WKE

Jan 10, 2023

PROJECT ID: 1300-09-70

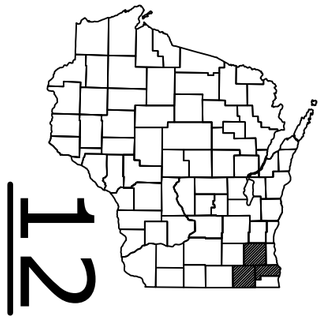
WITH: 1300-09-71

COUNTY: RACINE, WALW, WAUK

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 = 522



12

N

DESIGN DESIGNATION

A.A.D.T.	2022	=	8,200
A.A.D.T.	2042	=	9,700
D.H.V.		=	538
D.D.		=	59/41
T.		=	15.0%
DESIGN SPEED		=	55 MPH (BEGIN - STA 414+00) 40 MPH (STA 414+00 - END)
ESALS		=	2,423,600

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (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

PLAN OF PROPOSED IMPROVEMENT

NORTHWEST HIGHWAY (STH 83)

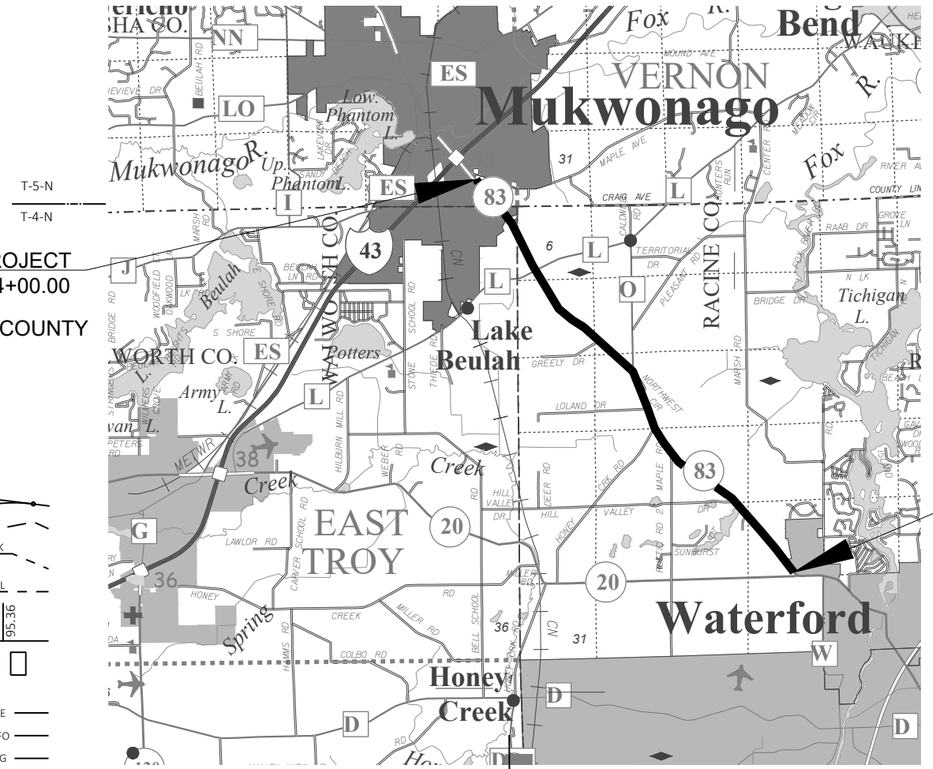
STH 20 TO IH 43

STH 83

RACINE, WALWORTH & WAUKESHA COUNTIES

STATE PROJECT NUMBER
1300-09-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1300-09-70	WISC 2023146	1



T-5-N

T-4-N

END PROJECT
STA 424+00.00

WALWORTH COUNTY

WAUKESHA COUNTY

BEGIN PROJECT
STA 66+29.00
Y = 202,331.306
X = 518,129.784

RACINE COUNTY

R-18-E R-19-E

LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 6.775 MI. RURAL

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), RACINE COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2007). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity

WISCONSIN
VALBON LATIFI
E-45819
CUDAHY, WI
PROFESSIONAL ENGINEER

DATE: 10/03/2022 (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT / RA SMITH NATIONAL
Designer	BLOOM COMPANIES, LLC
Project Manager	ROBERT BELLIN, P.E.
Regional Examiner	WISDOT SE REGION
Regional Supervisor	BENEDICT ERUCHALU

APPROVED FOR THE DEPARTMENT

DATE: 10/1/2022 Robert A. Bellin (Signature)

E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\010101-TI.DWG PLOT DATE : 9/29/2022 12:11 PM PLOT BY : VALBON LATIFI PLOT NAME :

GENERAL NOTES

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

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

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INLET PROTECTION SHALL BE PLACED AT ALL INLET LOCATIONS ACCEPTING STORM WATER FROM THE PROJECT AREA OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE DRIVING LANES AND SHOULDERS, ARE TO BE COVERED WITH SALVAGED TOPSOIL, SEED, FERTILIZER, AND MULCH / EROSION MAT. ALL SALVAGED TOPSOIL AREAS SHOULD USE 4 INCH TYPICAL DEPTH.

DO NOT USE FERTILIZER IN AREAS WITHIN 10 FEET OF WETLANDS.

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TOTAL PAVEMENT LAYER THICKNESS	LAYERS	NOMINAL MAXIMUM AGGREGATE GRADATION	TRAFFIC	ASPHALT BINDER	BINDER DESIGNATION LEVEL
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4"	1 3/4" UPPER	4	MT	58-28	S
	2 1/4" LOWER	3	MT	58-28	S
6"	2" UPPER	4	MT	58-28	S
	4" LOWER	3	MT	58-28	S

DESIGNER NOTES

DESIGN, PLANS, AND QUANTITIES FOR DRAINAGE ITEMS (CULVERTS AND STORM SEWERS) PROVIDED BY STORMWATER SOLUTIONS ENGINEERING, LLC.

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CMCP	CORRUGATED METAL CULVERT PIPE
GA	GAUGE
MGAL	MEGAGALLON
MPH	MILES PER HOUR
NOR	NORMAL
OD	OUTER DIAMETER
PAV'T	PAVEMENT

ORDER OF SECTION 2 DETAIL SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
PLAN DETAILS
REMOVAL PLANS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
DETOUR PLAN
ALIGNMENT
SUPERELEVATION TABLES
SURVEY CONTROL

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EMERGENCY CONTACT NUMBERS FOR WE ENERGIES

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DESIGN CONTACTS

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CMCP	CORRUGATED METAL CULVERT PIPE
GA	GAUGE
MGAL	MEGAGALLON
MPH	MILES PER HOUR
NOR	NORMAL
OD	OUTER DIAMETER
PAV'T	PAVEMENT

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TRAFFIC CONTROL
DETOUR PLAN
ALIGNMENT
SUPERELEVATION TABLES
SURVEY CONTROL

2

2

WALWORTH COUNTY
RACINE COUNTY

N

GREELEY DR

JANESVILLE RD

LOLAND DR

MATCH LINE STA 220+00

MATCH LINE STA 360+00

R/L GREELEY DR

R/L LOLAND DR

R/L CTH L

R/L NORTHWEST CIR

R/L STH 83

R/L CTH O

STA 342+61.88
BEGIN INTERSECTION
REHABILITATION

STA 354+17.59
END INTERSECTION
REHABILITATION

STA 248+48
CULVERT EXTENSION

RESURFACE
RECONSTRUCT
RECONSTRUCT
RESURFACE
RESURFACE
RECONSTRUCT
RECONSTRUCT
RESURFACE
RECONSTRUCT
RESURFACE

220+00
238+50
258+00
292+00
323+00

STH 83

NORTHWEST CIR

CTH O

CTH L

PLEASANT ROAD

WETLAND
BOUNDARY, TYP

TRIBUTARY TO
FOX RIVER

TRIBUTARY TO
FOX RIVER

TOWN OF
WATERFORD

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 02-po

PLOT DATE : 10/1/2022 10:20 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

N

WALWORTH COUNTY
WAUKESHA COUNTY

IH 43

END PROJECT 1300-09-70
END CONSTRUCTION 1300-09-71
STA 424+00.00

BEGIN PROJECT 1300-09-71
STA 383+59.60

BEAR PASS

ARROWHEAD DR

R/L W BOXHORN DR

W BOXHORN DR

W DEWEY DR

R/L W DEWEY DR

WOLF RUN

R/L WOLF RUN

WALWORTH COUNTY
RACINE COUNTY

MATCH LINE STA 360+00

STH 83

R/L STH 83

WETLAND
BOUNDARY, TYP

R/L E
WOLF
RUN

E WOLF RUN

VILLAGE OF
MUKWONAGO

MAPLE AVE

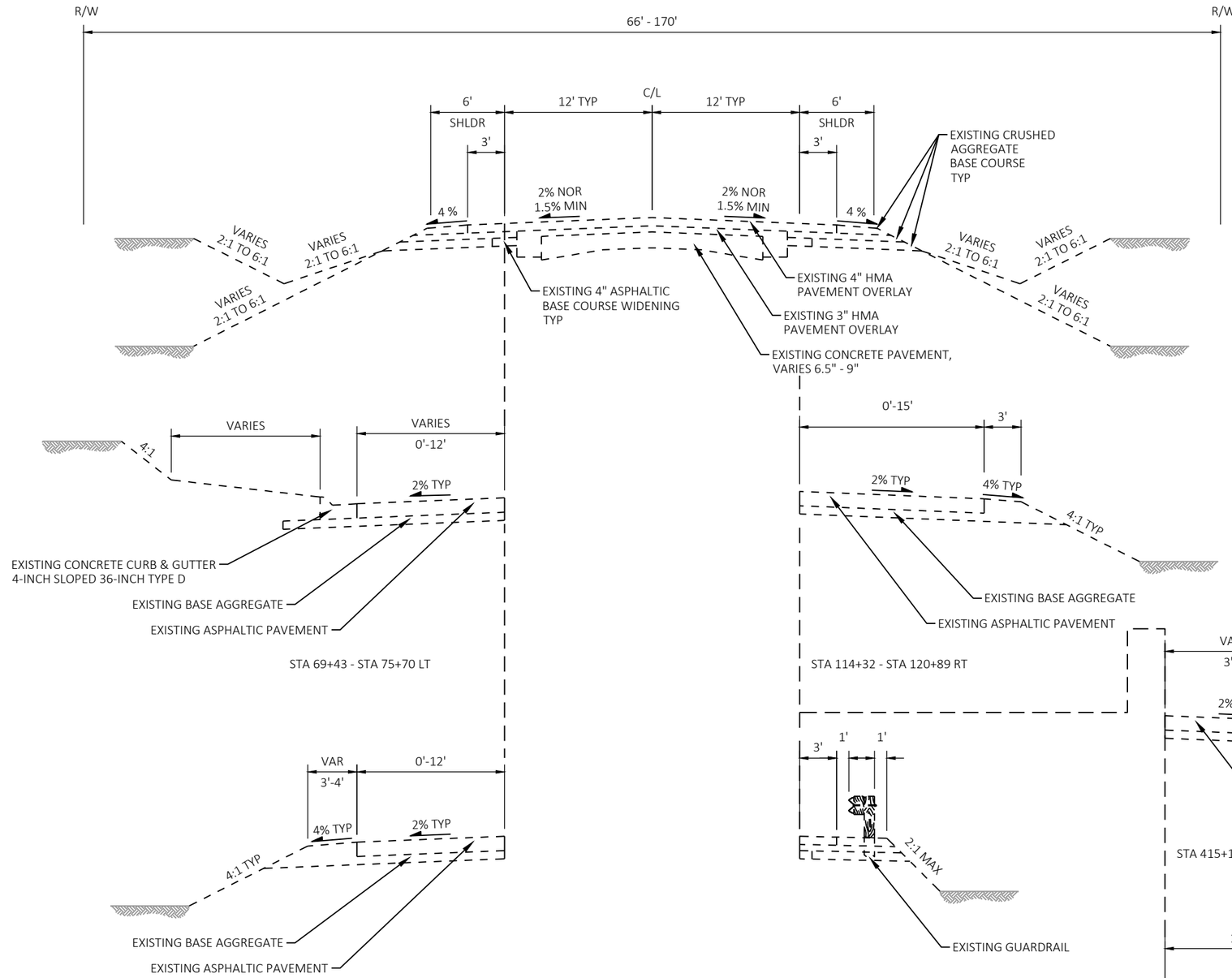
END PROJECT 1300-09-71
STA 434+83.47

TOWN OF
WATERFORD

RACINE COUNTY
WAUKESHA COUNTY

TRIBUTARY TO
MUKWONAGO RIVER

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PROJECT OVERVIEW	SHEET 5	E



TYPICAL EXISTING SECTION

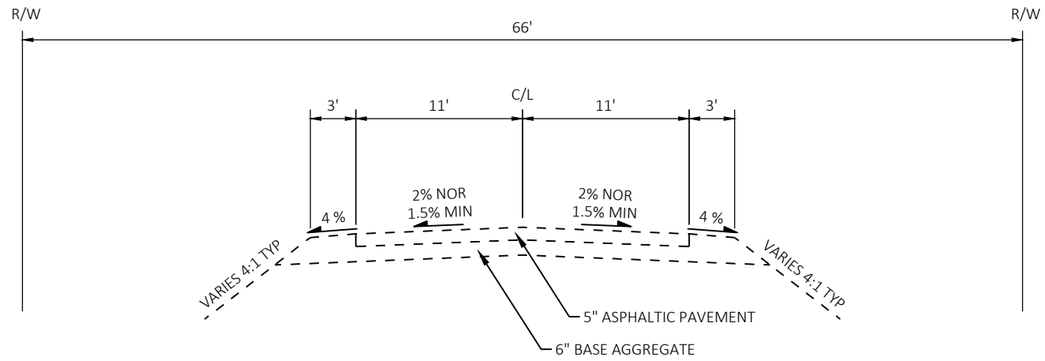
STH 83

STA 66+29 - STA 424+00

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EXISTING TYPICAL SECTIONS	SHEET 6	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 01-ets
PLOT DATE : 10/1/2022 10:28 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

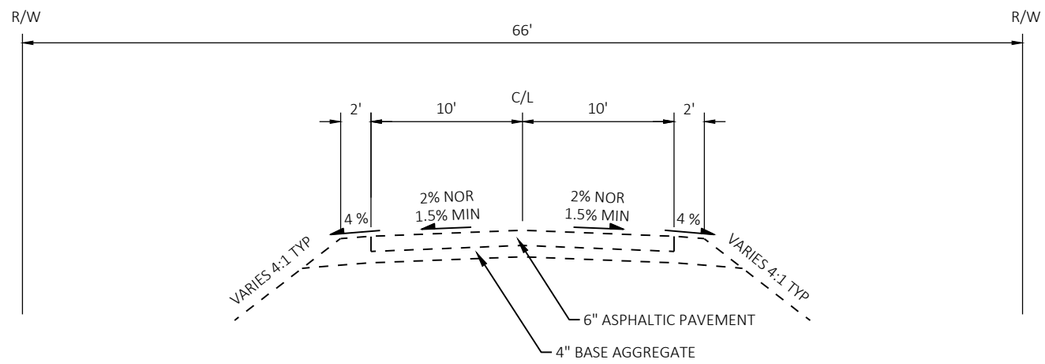
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TYPICAL EXISTING SECTION

MAMEROW'S LN

STA 26+90 - STA 27+74

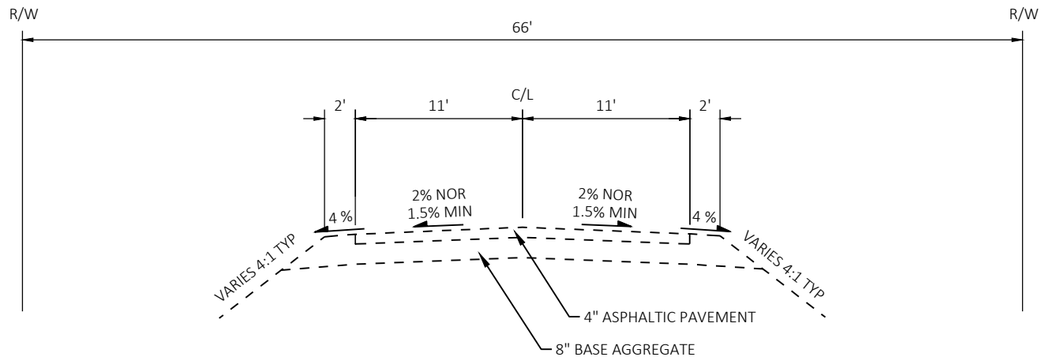


TYPICAL EXISTING SECTION

HILL VALLEY DR

STA 33+32 - STA 34+49

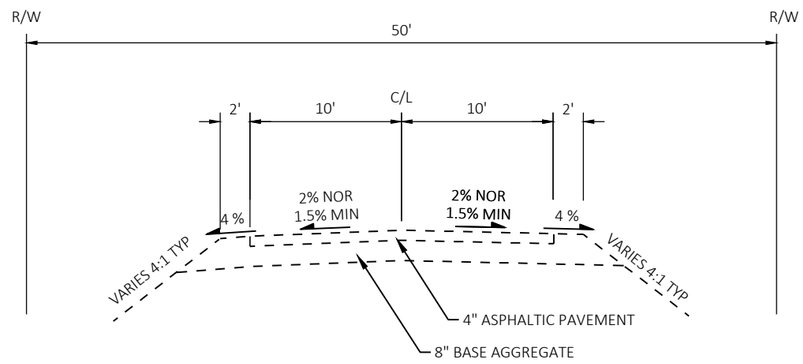
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TYPICAL EXISTING SECTION

MAPLE RD

STA 47+25 - STA 50+11



TYPICAL EXISTING SECTION

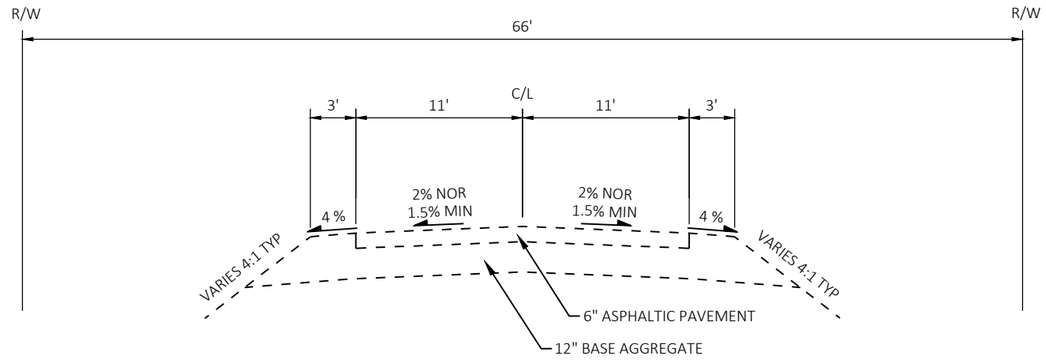
HONEY CREEK RD

STA 602+00 - STA 615+58

LOLAND DR

STA 549+50 - STA 550+09

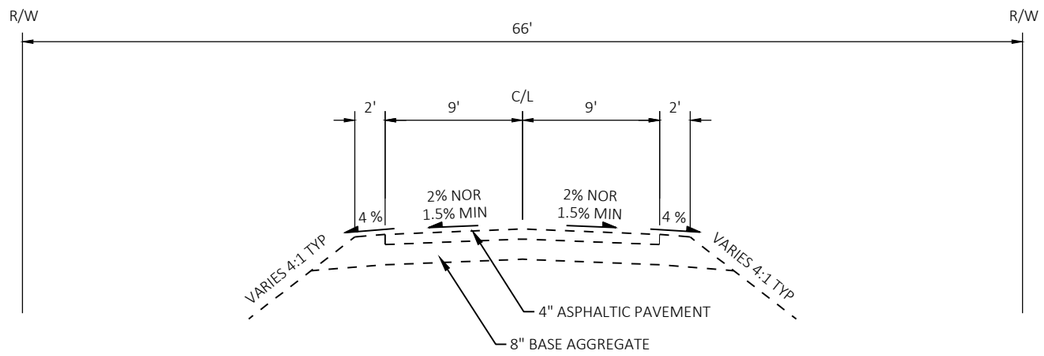
2



TYPICAL EXISTING SECTION

CTH O

STA 650+00 - STA 657+00

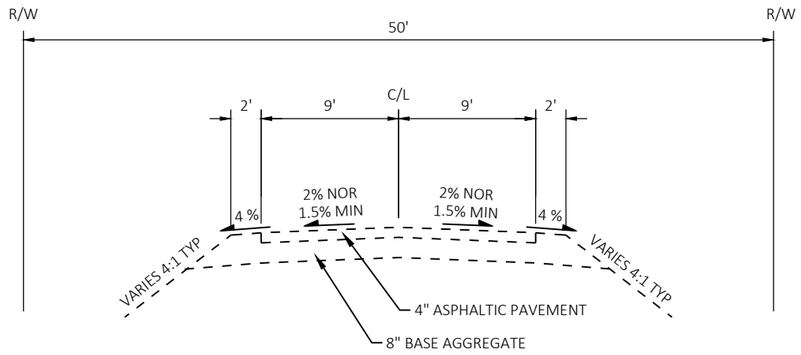


TYPICAL EXISTING SECTION

NORTHWEST CIR

STA 740+00 - STA 758+00

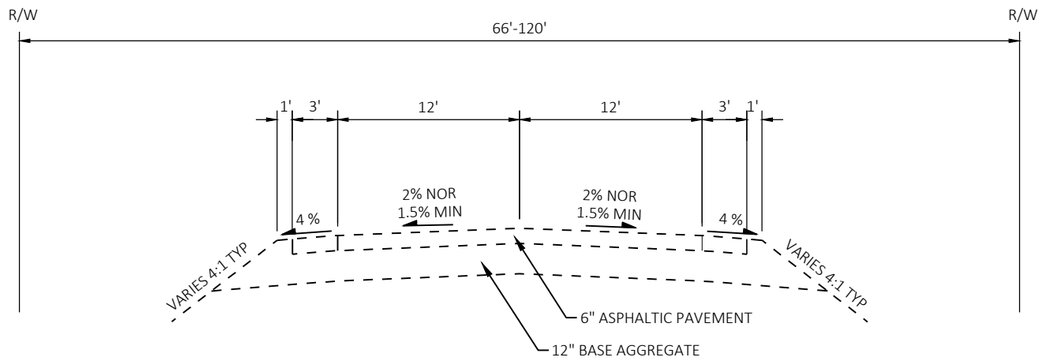
2



TYPICAL EXISTING SECTION

GREELEY DR

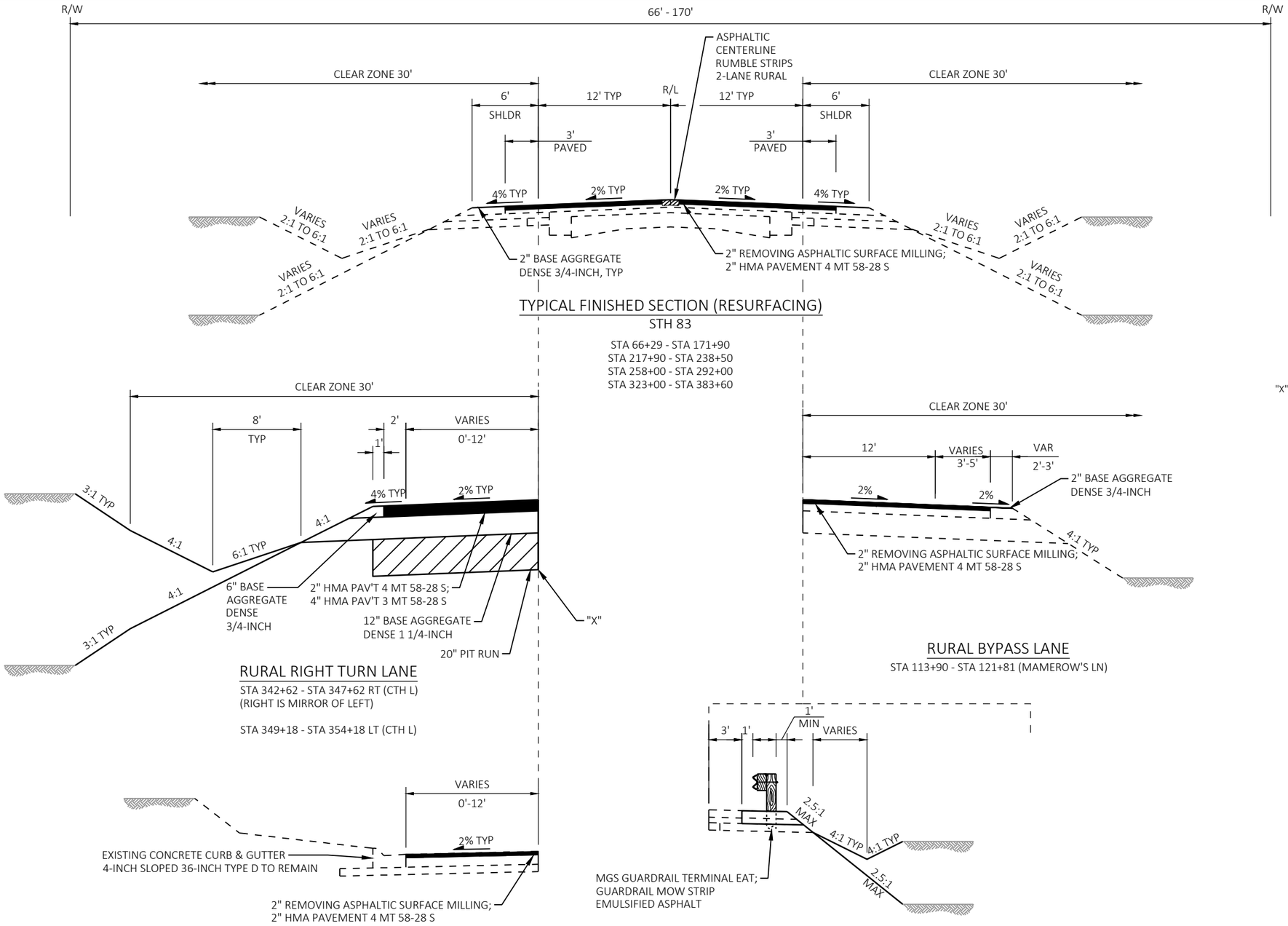
STA 713+63- STA 714+32



TYPICAL EXISTING SECTION

CTH L

STA 806+17 - STA 810+28



TYPICAL FINISHED SECTION (RESURFACING)

STH 83

STA 66+29 - STA 171+90
STA 217+90 - STA 238+50
STA 258+00 - STA 292+00
STA 323+00 - STA 383+60

NOTES

"X" = POINT REFERRED TO ON CROSS-SECTIONS

RURAL RIGHT TURN LANE

STA 342+62 - STA 347+62 RT (CTH L)
(RIGHT IS MIRROR OF LEFT)

STA 349+18 - STA 354+18 LT (CTH L)

RURAL BYPASS LANE (CURB & GUTTER)

STA 69+43 - STA 75+70 (PARK DR)

RURAL BYPASS LANE

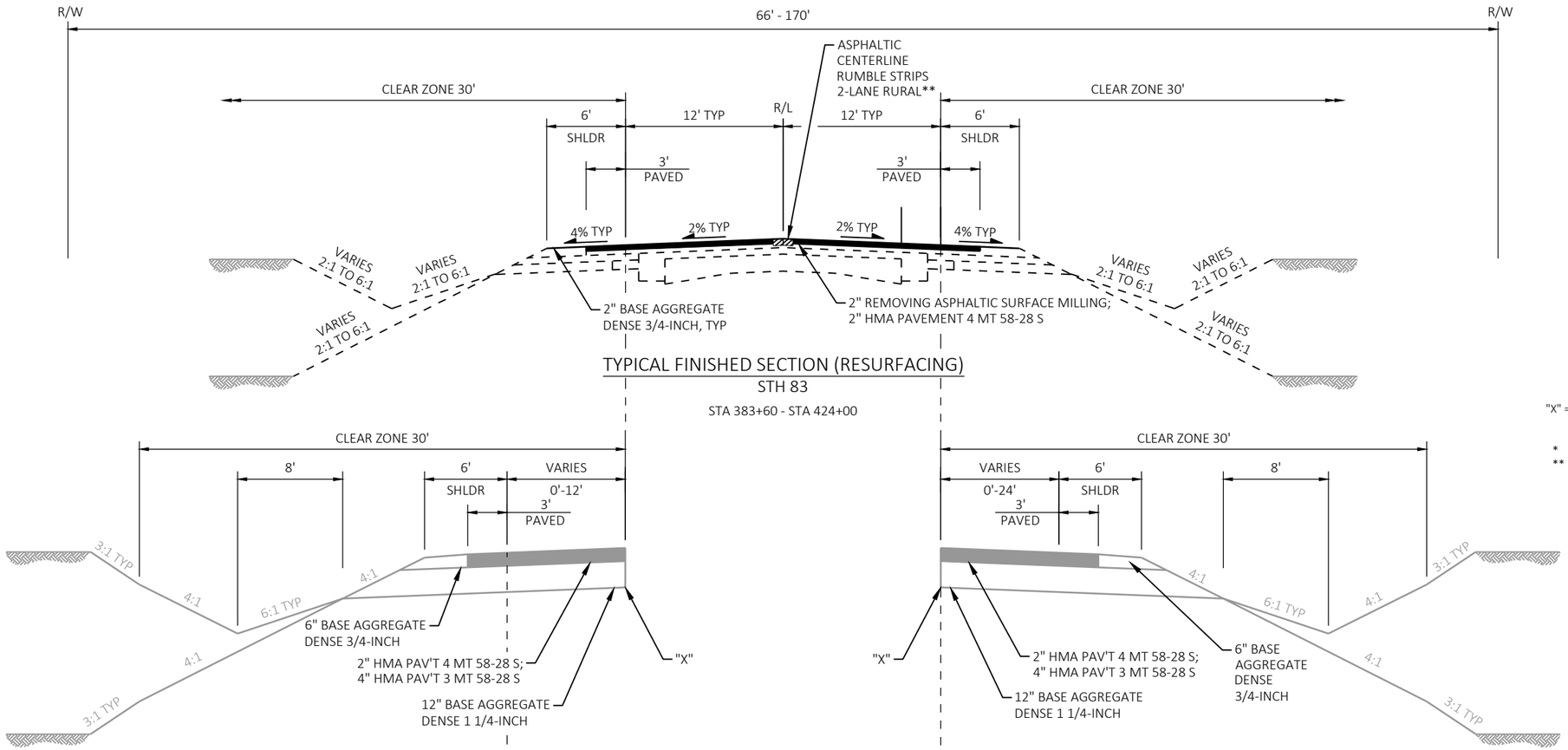
STA 113+90 - STA 121+81 (MAMEROW'S LN)

BEAM GUARD END TREATMENT REPLACEMENT

STA 124+90 - STA 125+40 RT
STA 128+39 - STA 128+89 RT

STA 125+32 - STA 125+82 LT
STA 128+42 - STA 128+92 LT
(LEFT IS MIRROR OF RIGHT)

2

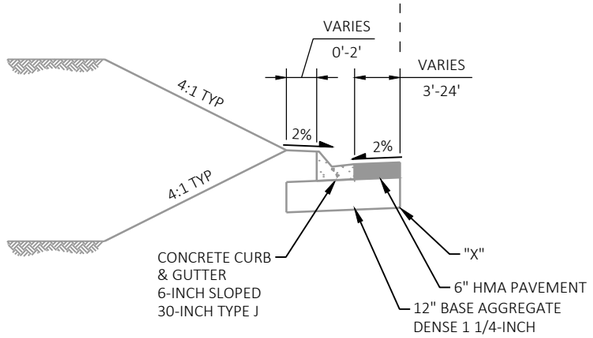


TYPICAL FINISHED SECTION (RESURFACING)

STH 83

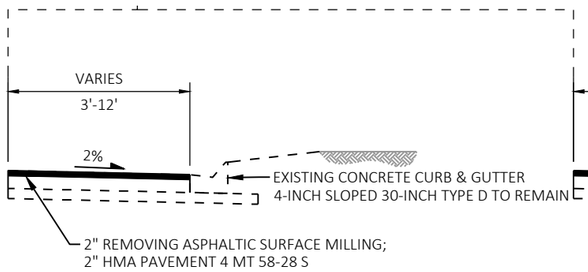
STA 383+60 - STA 424+00

STA 402+77 - STA 424+00 LT*

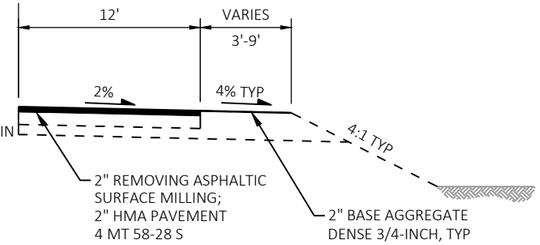


STA 408+49 - STA 418+09 LT*
STA 419+64 - STA 422+50 LT*

STA 383+60 - STA 410+10 RT*



STA 415+12 - STA 420+56 RT



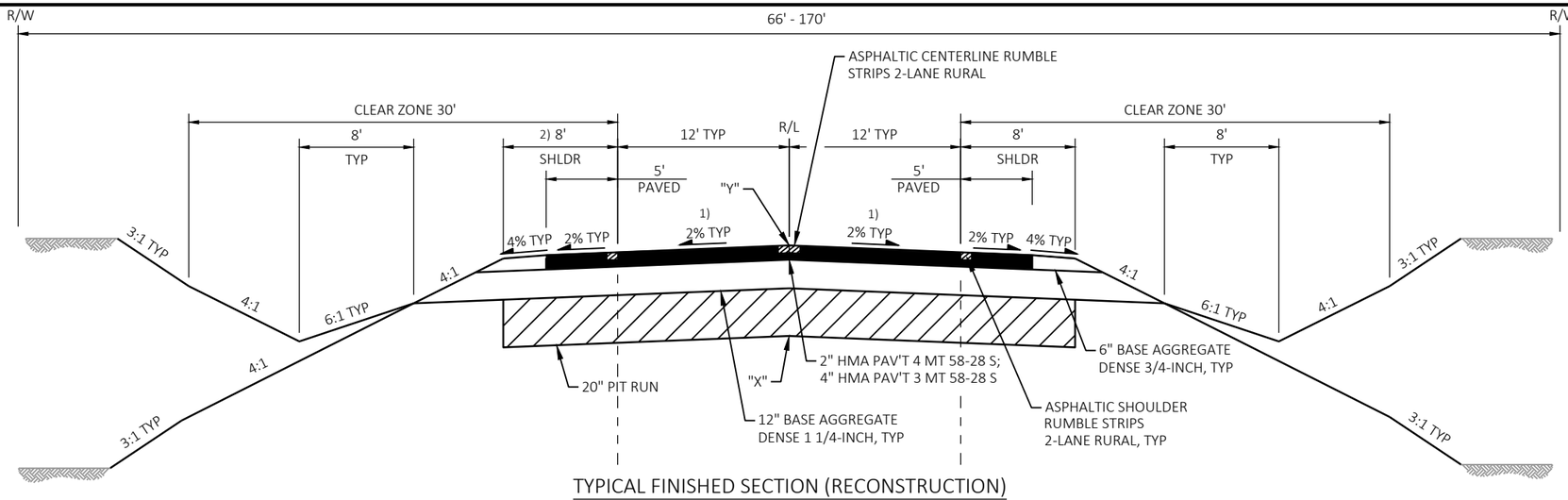
STA 420+56 - STA 424+00 RT

NOTES

"X" = POINT REFERRED TO ON CROSS-SECTIONS

* SEE PROJECT ID 1300-09-71

** DO NOT PLACE ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL FROM STA 414+00 - STA 424+00



TYPICAL FINISHED SECTION (RECONSTRUCTION)

STH 83

STA 171+90 - STA 217+90
STA 238+50 - STA 258+00
STA 292+00 - STA 323+00

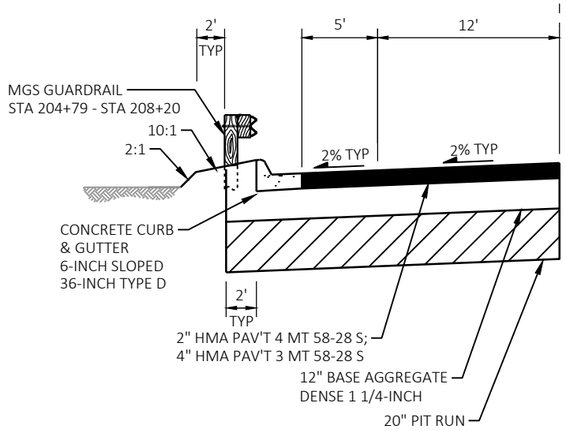
NOTES

1) SEE ALIGNMENT PLAN FOR SUPERELEVATION RATES AND TRANSITION STATIONS.

2) 6' SHOULDER, 5' PAVED (STA 189+05 TO STA 196+45).

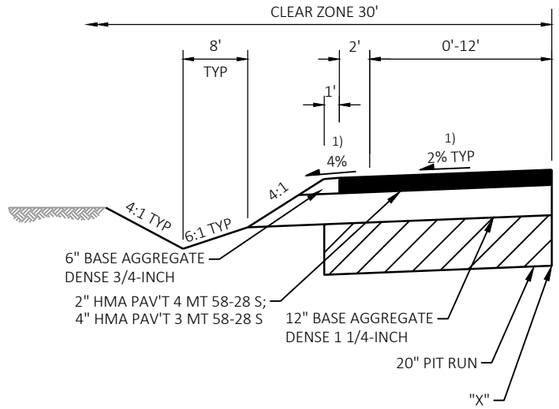
"X" = POINT REFERRED TO ON CROSS-SECTIONS

"Y" = POINT REFERRED TO ON PROFILE



CURB AND GUTTER

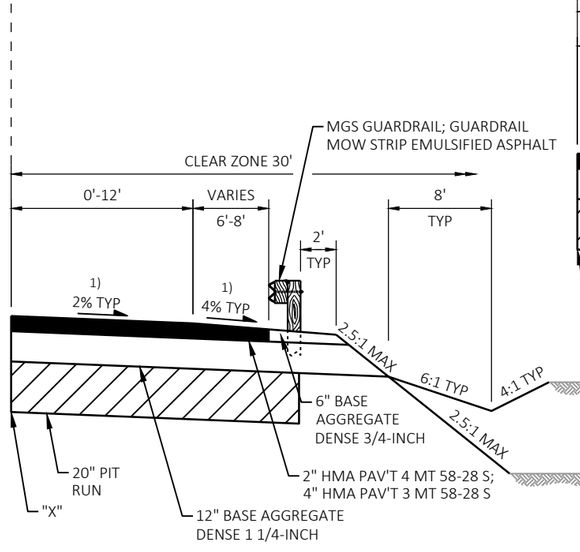
STA 202+15 - STA 208+40 LT



RURAL RIGHT TURN LANE

STA 185+92 - STA 189+42 LT (MAPLE RD)
STA 198+78 - STA 202+10 LT (HONEY CREEK RD)

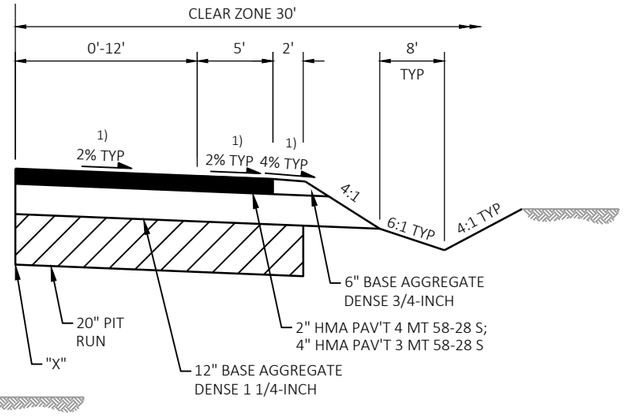
STA 247+57 - STA 252+57 RT (CTH O)
(RIGHT IS MIRROR OF LEFT)



BEAM GUARD

STA 246+20 - STA 249+07 RT
STA 299+00 - STA 306+70 RT

STA 247+17 - STA 250+71 LT
(LEFT IS MIRROR OF RIGHT)



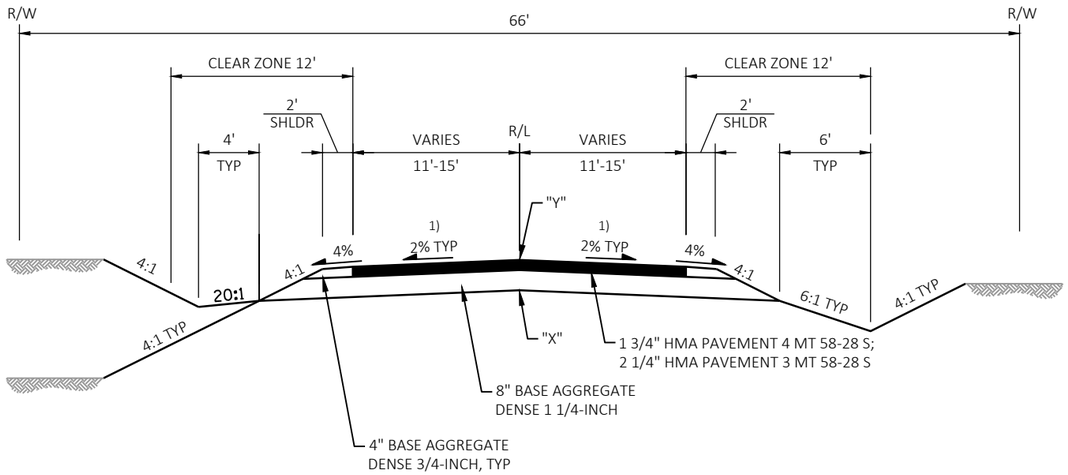
RURAL BYPASS LANE

STA 181+59 - STA 189+52 RT (MAPLE RD)
STA 194+15 - STA 202+07 RT (HONEY CREEK RD)

STA 249+02 - STA 256+94 LT (CTH O)
(LEFT IS MIRROR OF RIGHT)

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	FINISHED TYPICAL SECTIONS	SHEET 13	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\020401_TS.DWG
LAYOUT NAME - 03-fts
PLOT DATE : 10/1/2022 10:34 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION

MAPLE RD

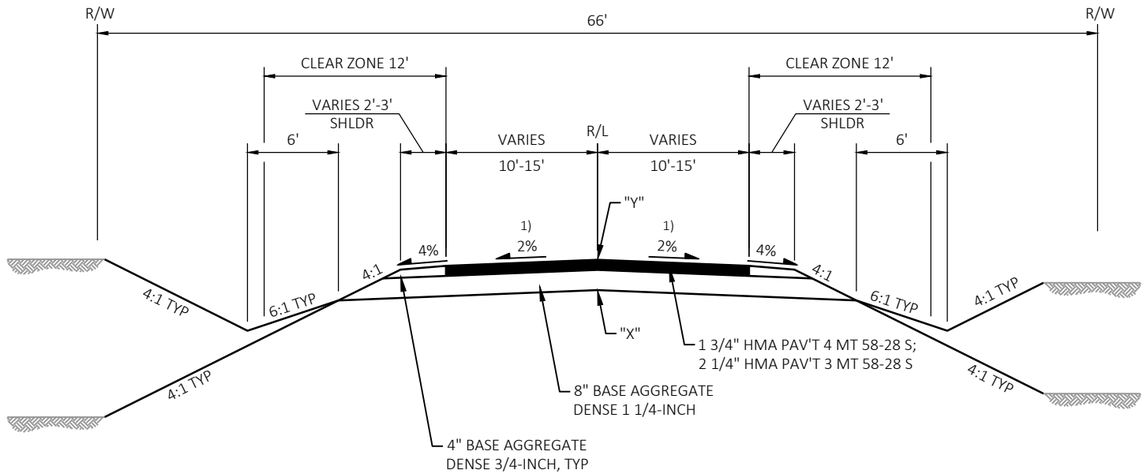
STA 47+25 - STA 50+11

NOTES

1) SEE ALIGNMENT PLAN FOR SUPERELEVATION RATES AND TRANSITION STATIONS.

"X" = POINT REFERRED TO ON CROSS-SECTIONS

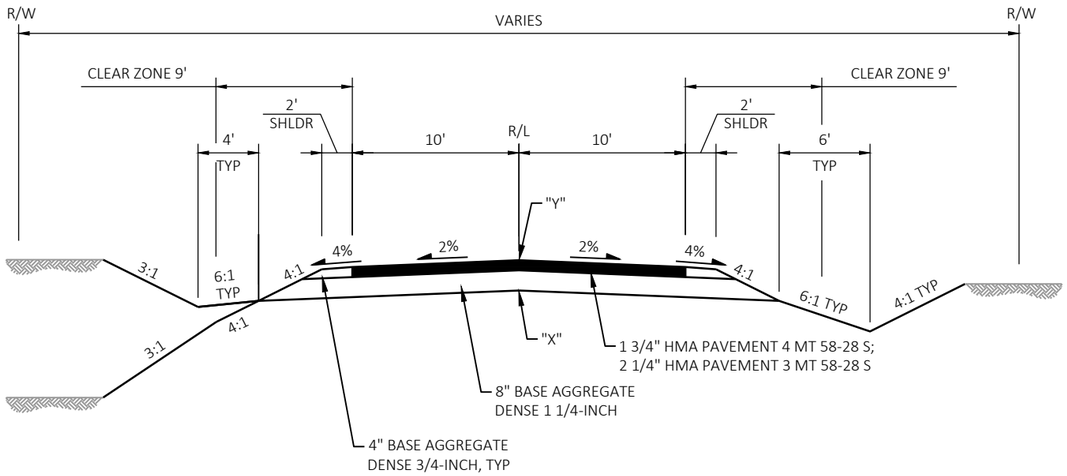
"Y" = POINT REFERRED TO ON PROFILE



TYPICAL FINISHED SECTION

HONEY CREEK RD

STA 602+00 - STA 622+56



TYPICAL FINISHED SECTION

SCHMIDT DWY

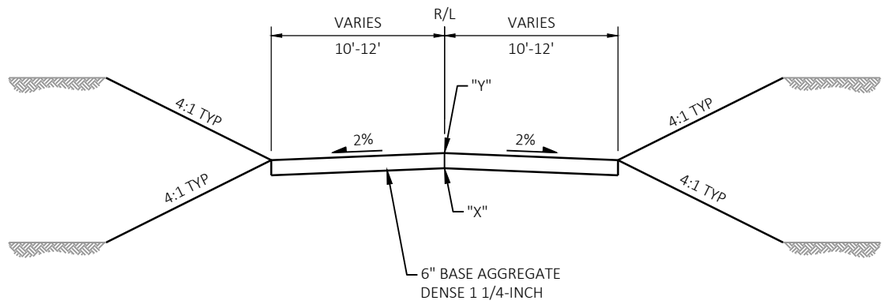
STA 630+00 - STA 635+00

NOTES

1) SEE ALIGNMENT PLAN FOR SUPERELEVATION RATES AND TRANSITION STATIONS.

"X" = POINT REFERRED TO ON CROSS-SECTIONS

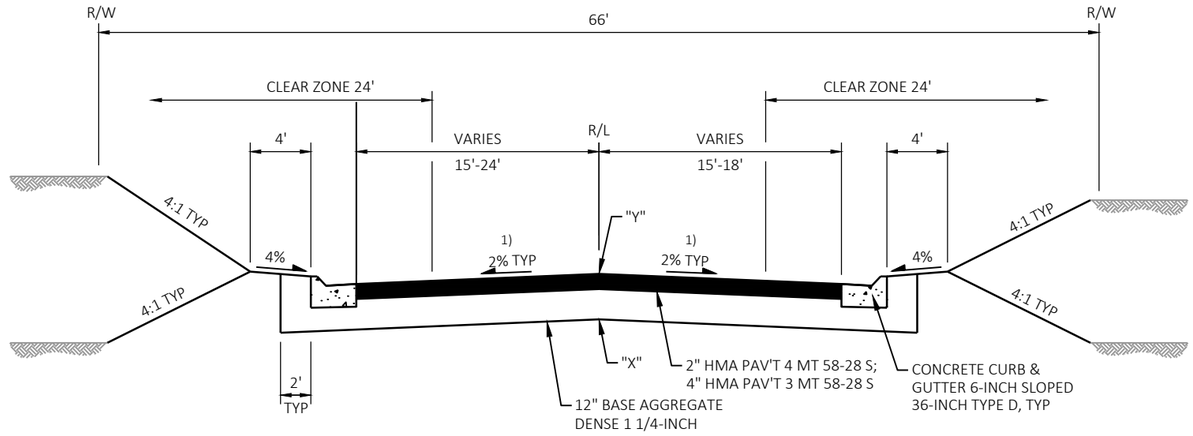
"Y" = POINT REFERRED TO ON PROFILE



TYPICAL FINISHED SECTION

DWY 208+67

STA 640+28 - STA 646+90



TYPICAL FINISHED SECTION

CTH O

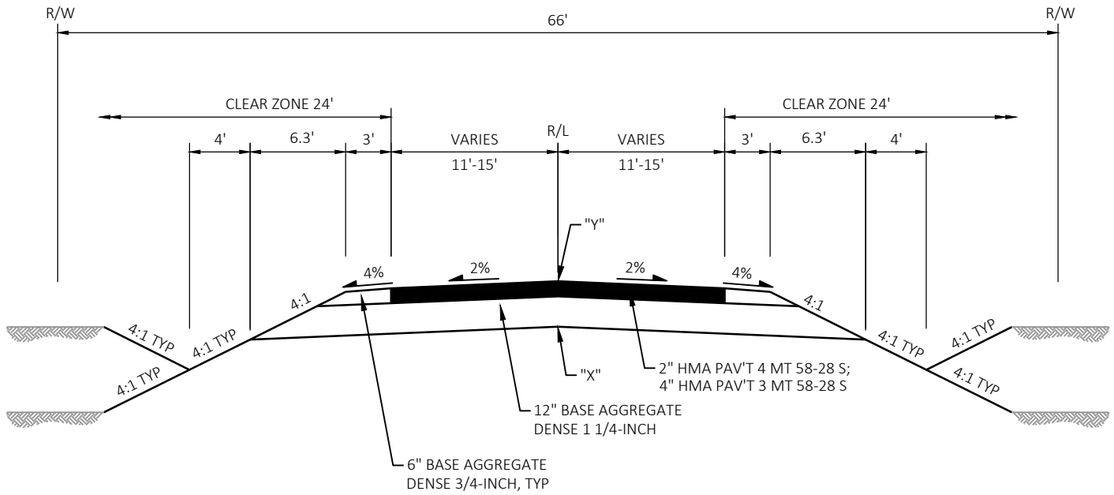
STA 650+00 - STA 655+00

NOTES

1) SEE ALIGNMENT PLAN FOR SUPERELEVATION RATES AND TRANSITION STATIONS.

"X" = POINT REFERRED TO ON CROSS-SECTIONS

"Y" = POINT REFERRED TO ON PROFILE



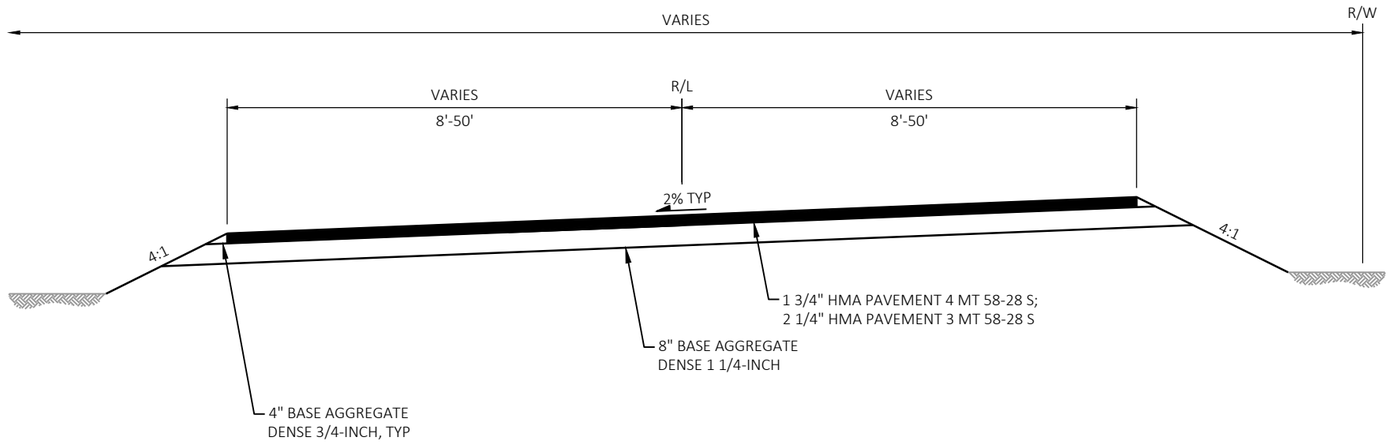
TYPICAL FINISHED SECTION

CTH O

STA 655+00 - STA 655+25

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	FINISHED TYPICAL SECTIONS	SHEET 16	E

2



TYPICAL FINISHED SECTION

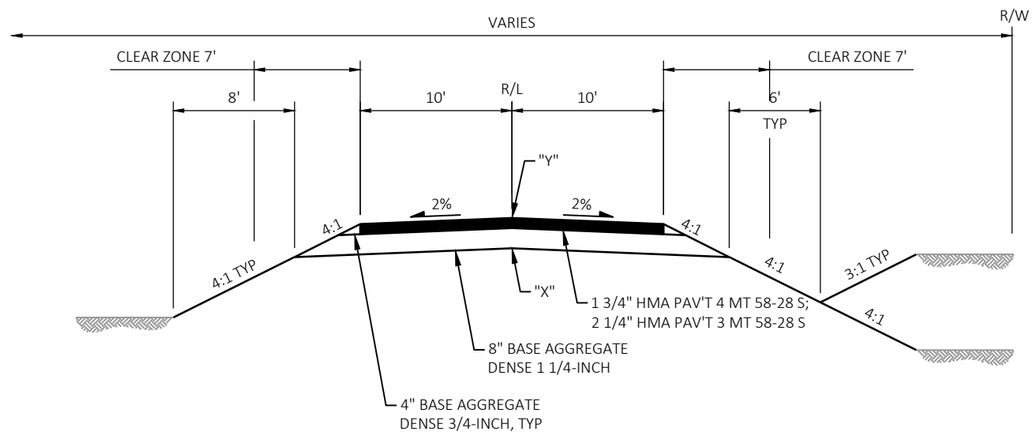
NORTHWEST CIR (CUL-DE-SAC)

STA 757+00 - STA 758+00

NOTES

"X" = POINT REFERRED TO ON CROSS-SECTIONS

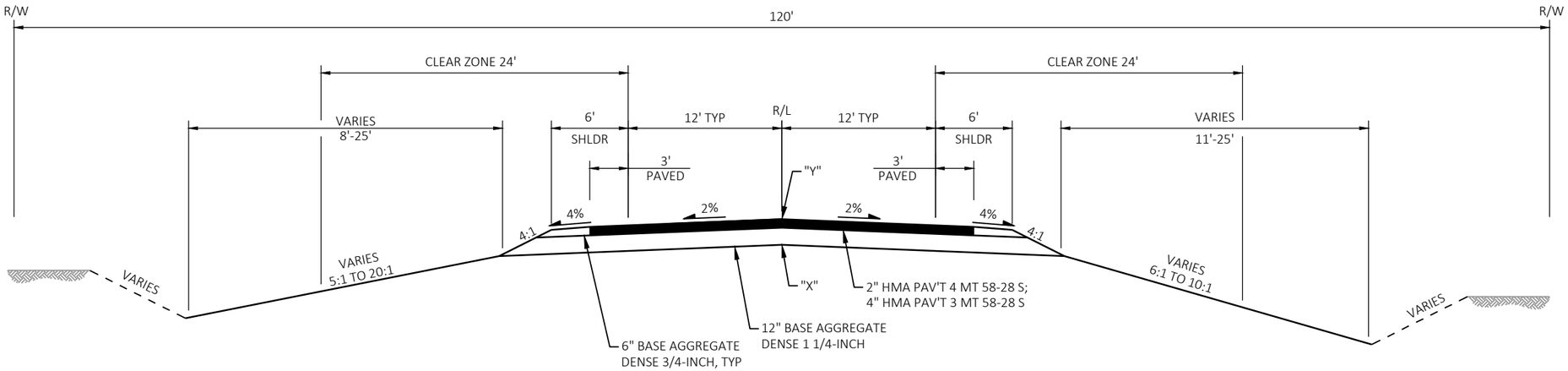
"Y" = POINT REFERRED TO ON PROFILE



TYPICAL FINISHED SECTION

NORTHWEST CIR

STA 761+00 - STA 764+43



TYPICAL FINISHED SECTION

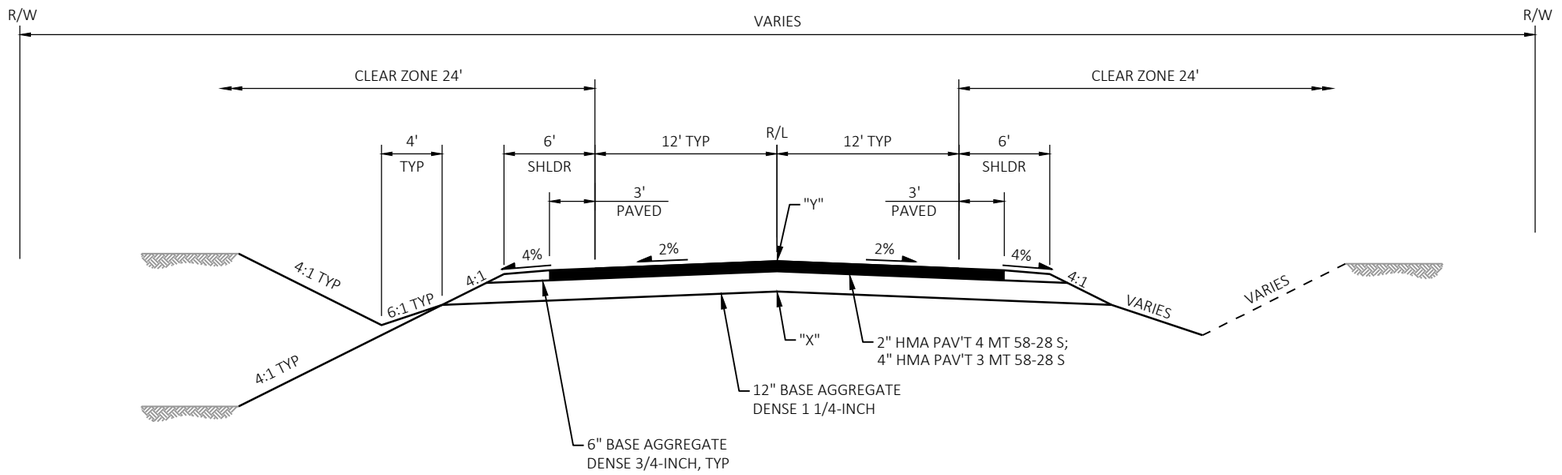
CTH L

STA 806+17 - STA 807+59

NOTES

"X" = POINT REFERRED TO ON CROSS-SECTIONS

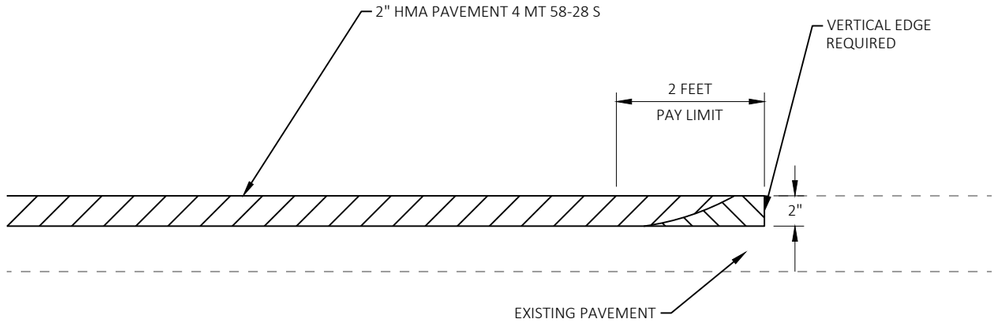
"Y" = POINT REFERRED TO ON PROFILE



TYPICAL FINISHED SECTION

CTH L

STA 809+00 - STA 810+28



REMOVE MATERIAL UNDER ITEM 'REMOVING ASPHALTIC SURFACE BUTT JOINT'

REMOVING ASPHALTIC SURFACE MILLING (2")

REMOVING ASPHALTIC SURFACE BUTT JOINT DETAIL (NO PROFILE CHANGE)

STH 83
STA 66+29
STA 424+00

PARK DR
STA 10+60

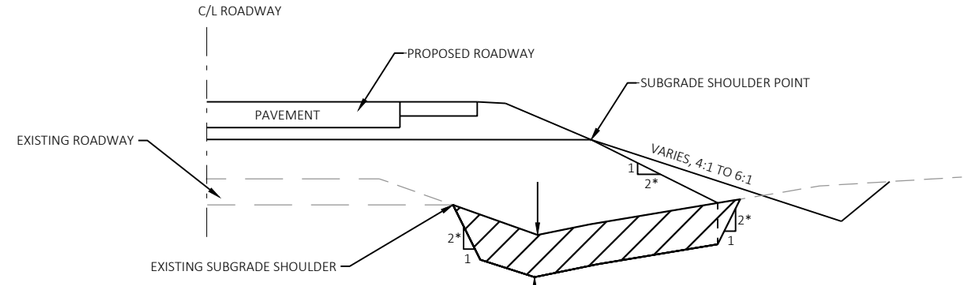
NORTHWEST CIR
STA 740+95

MAMEROW'S LN
STA 26+90

GREELY DR
STA 713+63

HILL VALLEY DR
STA 33+32

CTH L
STA 806+17
STA 810+28



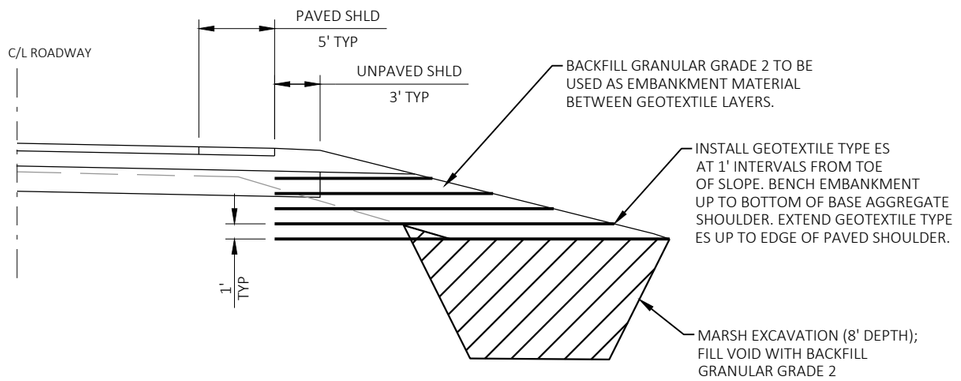
NOTES

1) EXACT EXTENTS OF EBS/MARSH SECTIONS SHALL BE DETERMINED BY ENGINEER IN THE FIELD.

LEGEND

EXCAVATION BELOW SUBGRADE/ MARSH EXCAVATION

PARTIAL EBS/MARSH EXCAVATION DETAIL

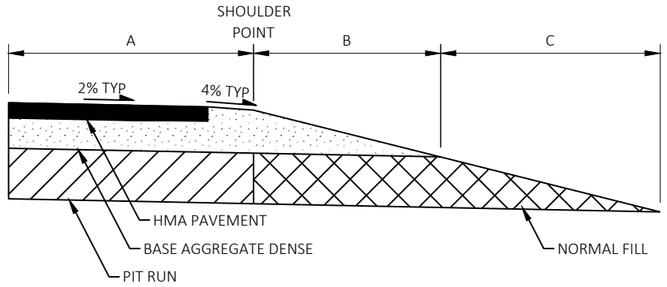


LEGEND

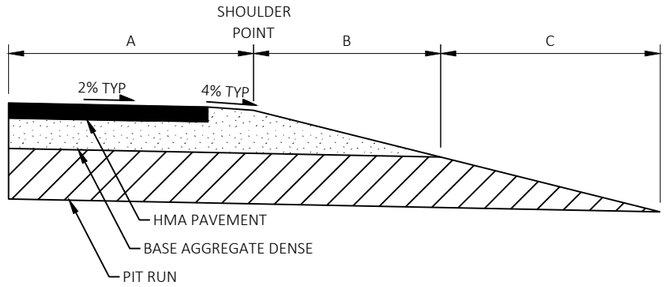
MARSH EXCAVATION

EMBANKMENT STABILIZATION DETAIL

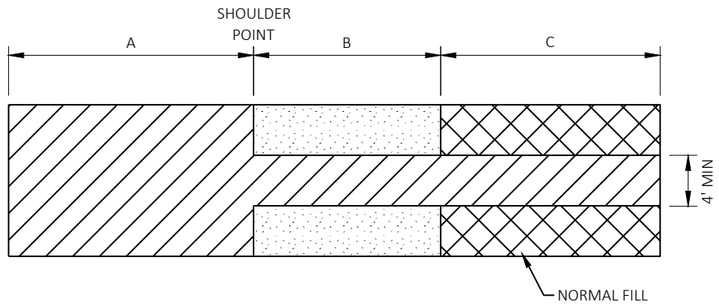
STA 241+00 - STA 246+70, RT
STA 242+00 - STA 243+00, LT
STA 246+00 - STA 247+18, LT



TYPICAL HALF SECTION WITHOUT RELIEF TRENCH



TYPICAL HALF SECTION WITH RELIEF TRENCH



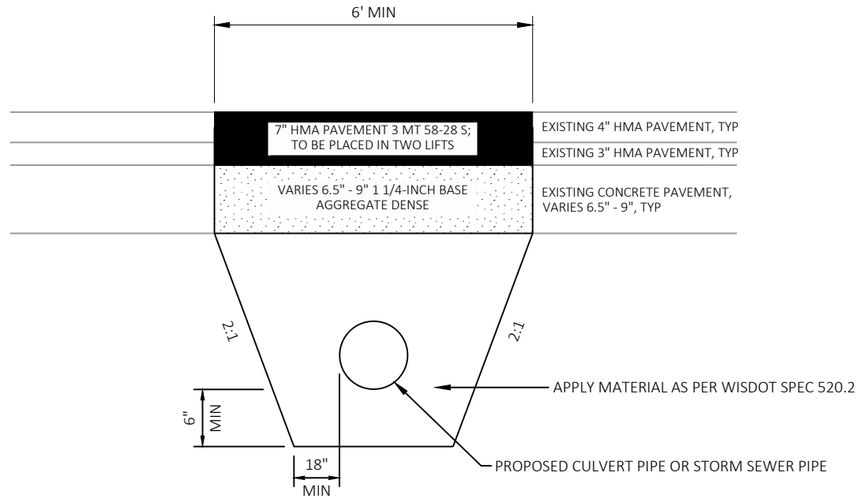
PLAN

NOTE

1) CONSTRUCT RELIEF TRENCH AT SAG POINTS OR EVERY 250 FT.

RELIEF TRENCH DETAIL

STA 171+90 - STA 217+90
STA 238+50 - STA 258+00
STA 292+00 - STA 323+00



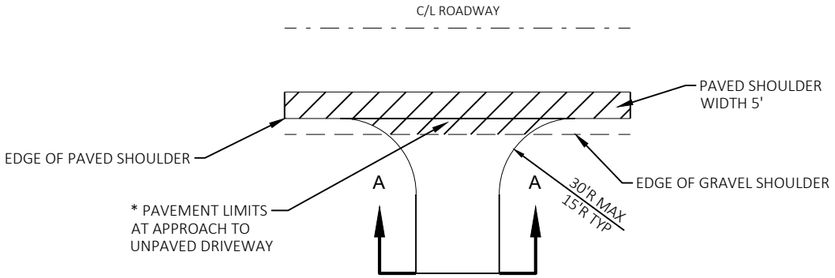
NOTE

1) FOR CULVERT REPLACEMENTS IN RECONSTRUCT SECTIONS, SEE THE TYPICAL SECTIONS FOR DEPTHS OF HMA PAVEMENT AND BASE AGGREGATE DENSE.

2) PLACE IN TWO LIFTS, WITH A MAXIMUM DEPTH FOR ONE OF THE LIFTS TO NOT EXCEED 4 INCHES.

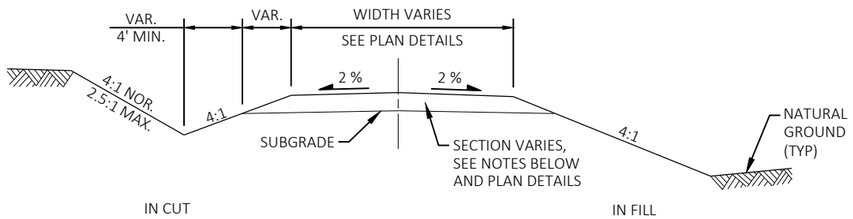
PAVEMENT RESTORATION AT PIPE REPLACEMENTS IN RESURFACE SECTIONS DETAIL

STA 71+00
STA 73+65
STA 76+15
STA 103+66
STA 141+19

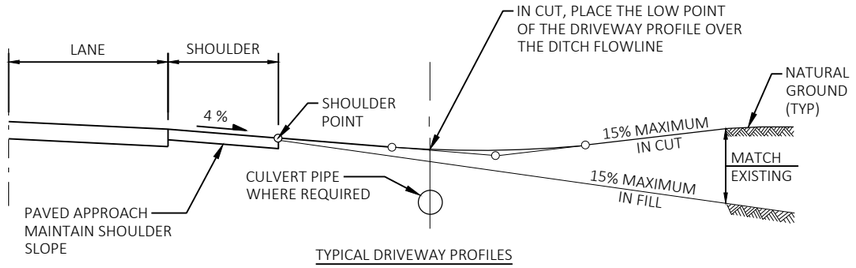


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT; SEE CROSS SECTIONS

PLAN VIEW



SECTION A-A



TYPICAL DRIVEWAY PROFILES

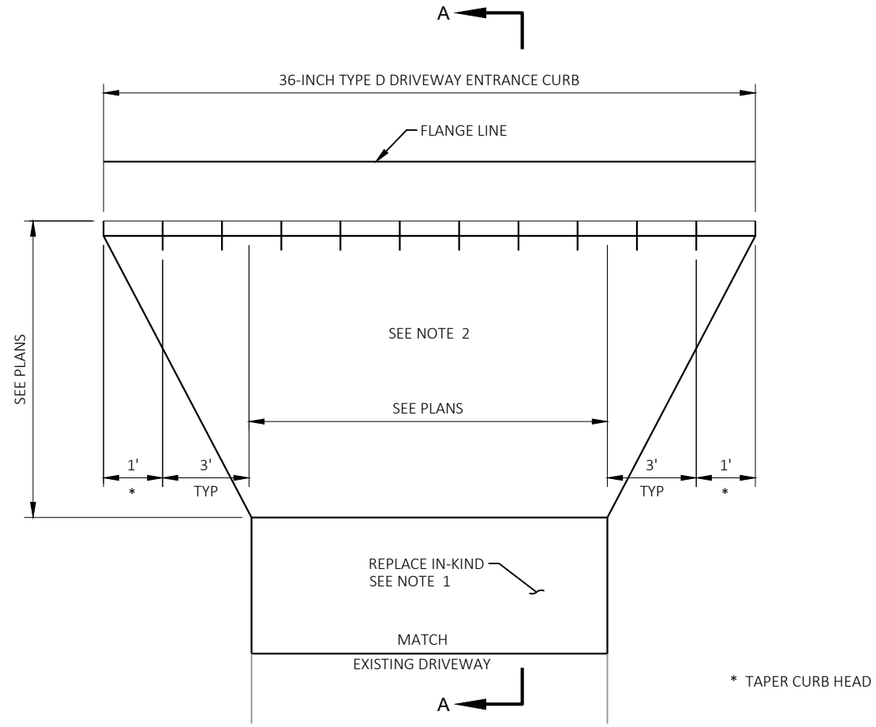
NOTES

1) WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.
2) FIELD AND PRIVATE DRIVEWAY SURFACES TO BE SAME AS EXISTING WITH MINIMUM SECTION OF:
   ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 4-INCH OVER BASE AGGREGATE DENSE 3/4-INCH 8-INCH OR
   BASE AGGREGATE DENSE 3/4-INCH 6-INCH
3) COMMERCIAL DRIVEWAY SURFACES TO BE SAME AS EXISTING WITH MINIMUM SECTION OF:
   ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 6-INCH OVER BASE AGGREGATE DENSE 3/4-INCH 8-INCH OR
4) SEE PLAN DETAILS FOR WIDTH REQUIRED.

RURAL DRIVEWAY DETAIL

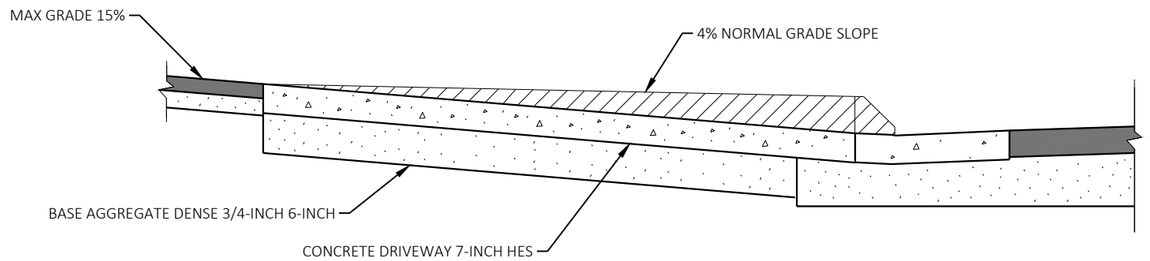
(RECONSTRUCTION SECTIONS ONLY)

2



* TAPER CURB HEAD

PLAN VIEW



SECTION A-A

NOTES

1) DRIVEWAY SURFACE BEYOND APRON SHALL BE REPLACED IN-KIND. SEE PLAN DETAILS FOR MATCH IN MATERIAL.
2) ALL URBAN DRIVEWAYS TO BACK OF APRON PAID UNDER THE DRIVEWAY BID ITEM "CONCRETE DRIVEWAY 7-INCH HES." SEE PLAN DETAILS.

URBAN DRIVEWAY DETAIL

(RECONSTRUCTION SECTIONS ONLY)

LEGEND

ASPHALTIC REPAIR

SSSSSS VERTICAL MILLED EDGE
SAW CUTTING AT THE CONTRACTORS DISCRETION

TTTTTTT TACK COAT

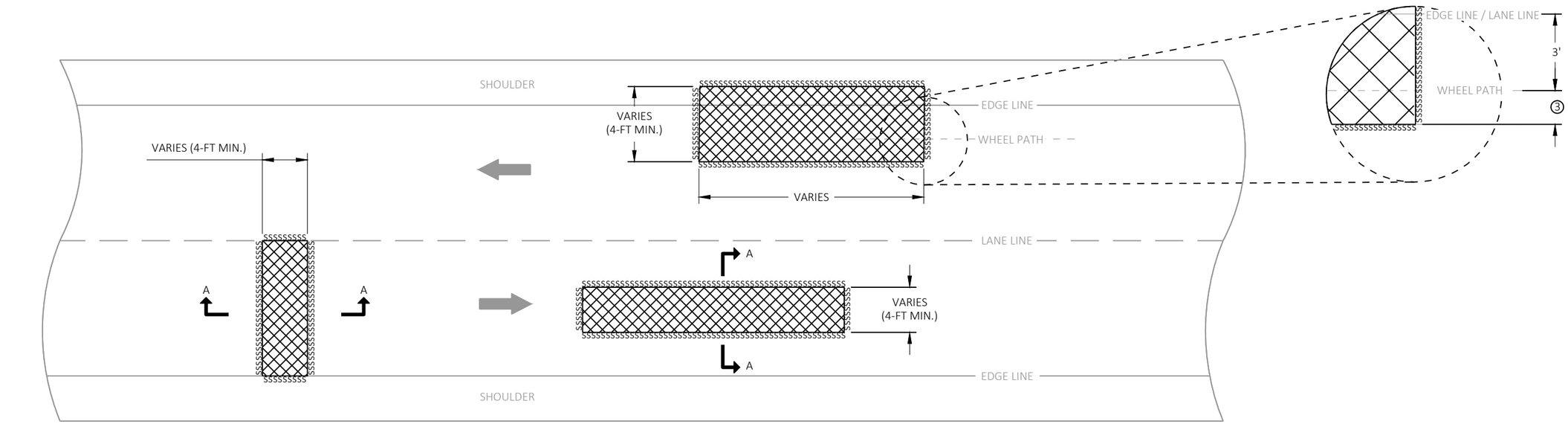
GENERAL NOTES

① EXACT LOCATION, DEPTH AND SIZE OF REPAIR TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

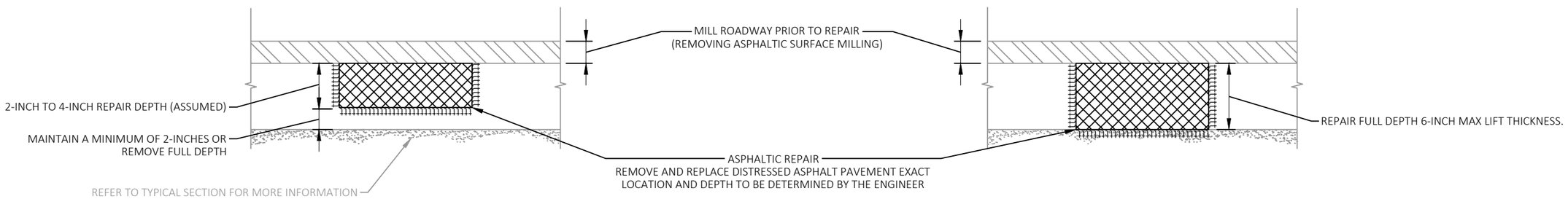
② MILL PAVEMENT PER PLAN PRIOR TO MAKING ASPHALTIC REPAIR.

③ LOCATE LONGITUDINAL REPAIR JOINTS OUTSIDE OF WHEEL PATH. 12-INCH MINIMUM (24-INCH RECOMMENDED) FROM THE CENTER OF THE WHEEL PATH.

④ ASPHALTIC REPAIR PAVING TO BE DONE ON THE SAME DAY AS REMOVAL.



PLAN VIEW



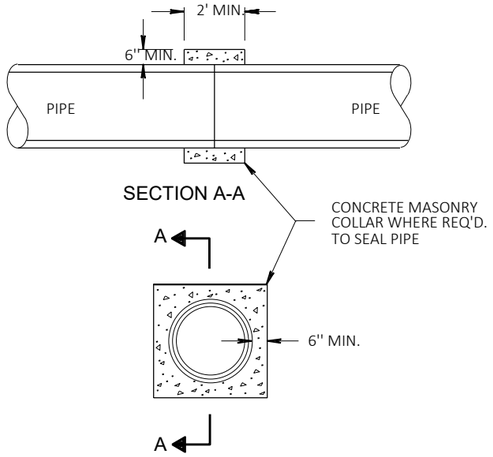
PARTIAL DEPTH

FULL DEPTH

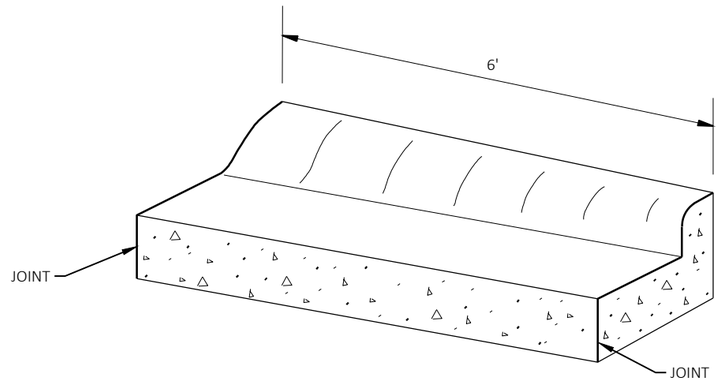
SECTION A-A

ASPHALTIC REPAIR DETAIL

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CONSTRUCTION DETAILS	SHEET 22	E



CONCRETE COLLAR DETAIL

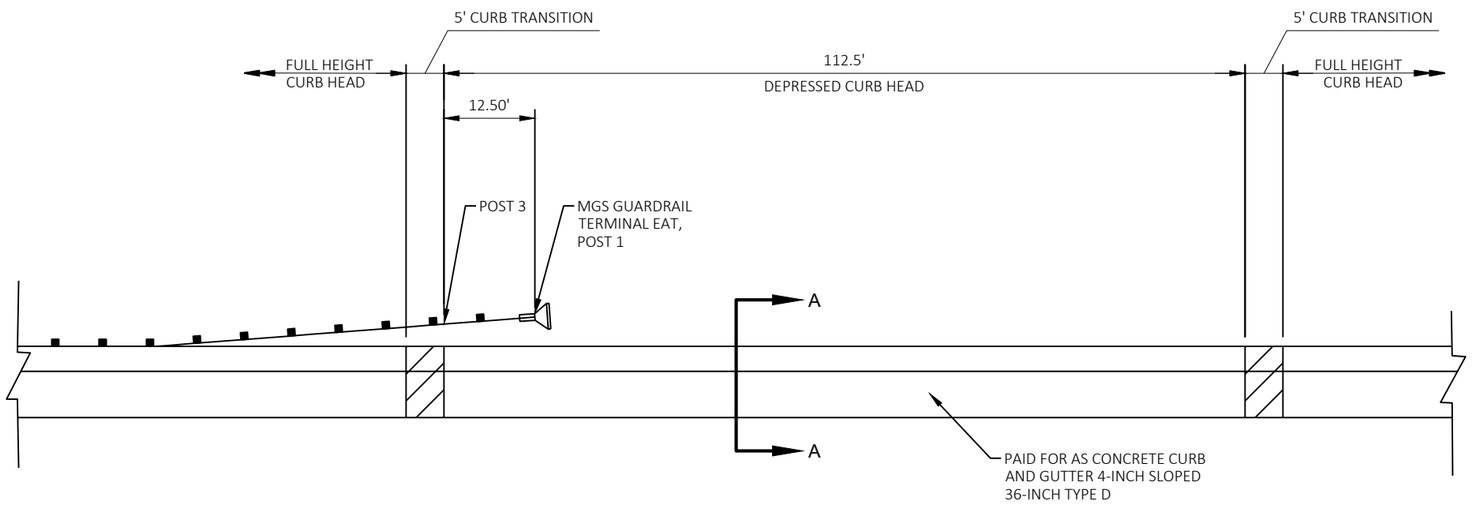


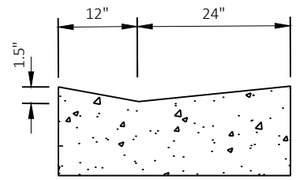
CURB & GUTTER TRANSITION DETAIL

(TO BE MEASURED & PAID FOR AS 36" CONCRETE CURB & GUTTER)

NOTE

TRANSITIONS ARE BETWEEN CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D TO CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J



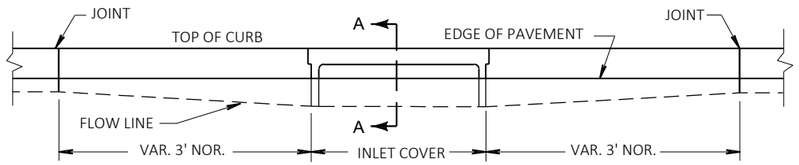


SECTION A-A

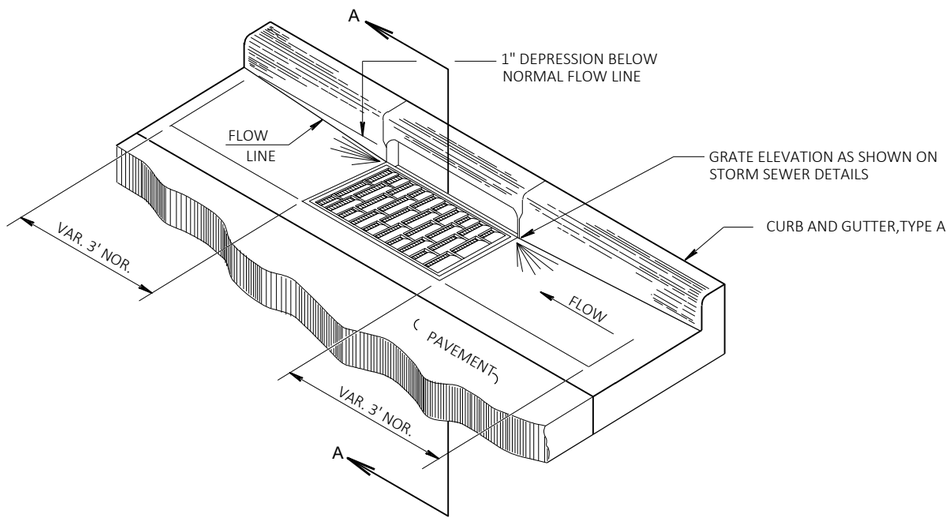
DEPRESSED CURB

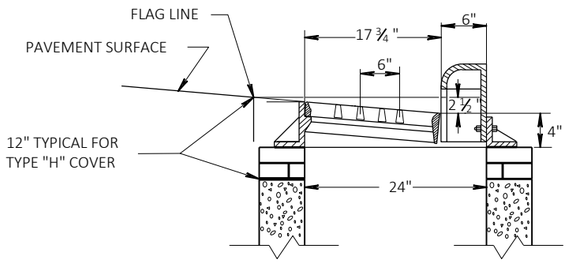
DEPRESSED CURB HEAD AT BEAM GUARD TERMINAL DETAIL

STA 203+79.31 TO STA 204+91.81
STA 207+07.50 TO STA 208+40.00



ELEVATION





SECTION A-A

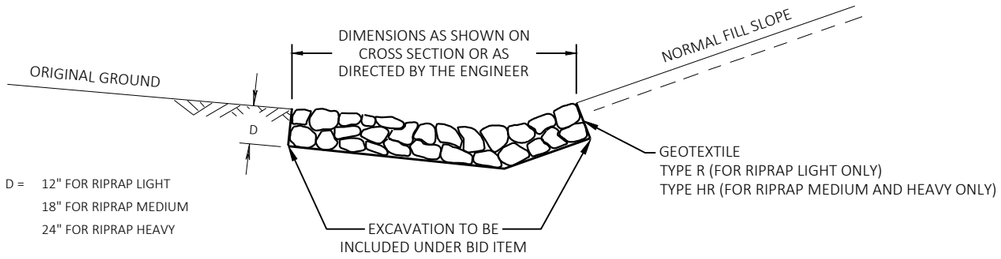
CURB AND GUTTER AT INLETS DETAIL

(TYPE 3-H INLET SHOWN)

RUNOFF COEFFICIENT TABLE

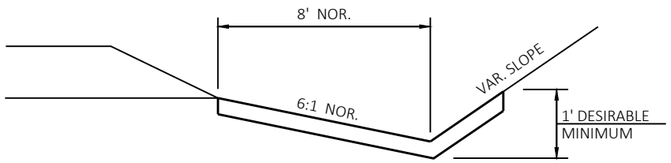
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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 = 104.90 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 27.50 ACRES



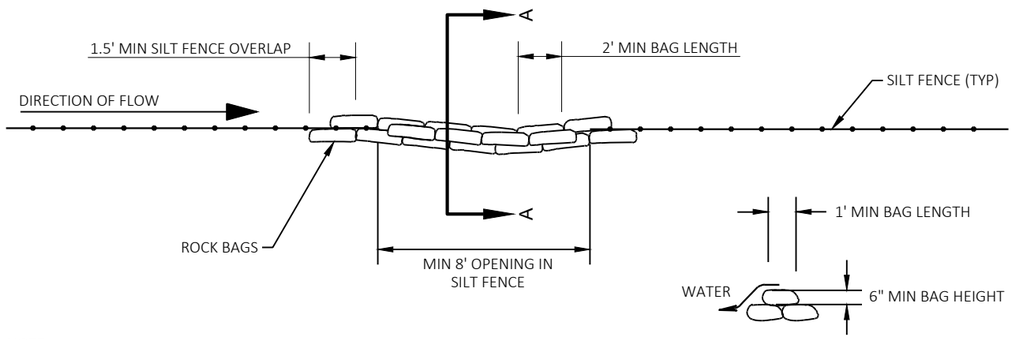
D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

RIPRAP IN DITCHES DETAIL



EROSION MAT FOR DITCHES DETAIL

FOR V DITCHES

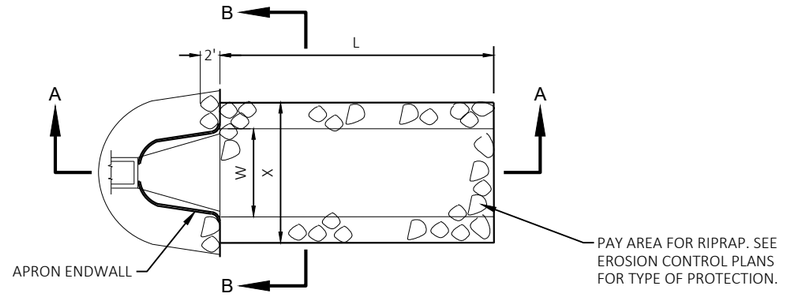


NOTE

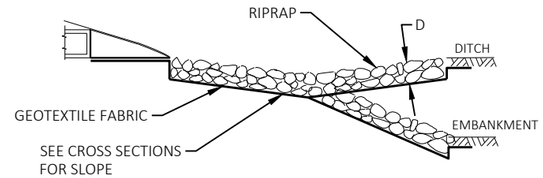
17 ROCK BAGS MINIMUM PER 8' OPENING

SECTION A-A

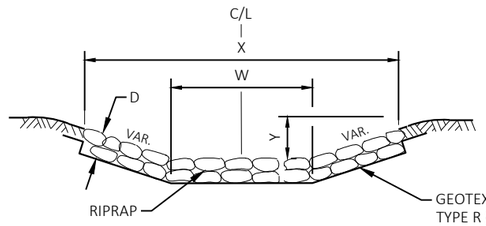
SILT FENCE RELIEF DETAIL



PLAN VIEW



SECTION A-A



SECTION B-B

L = 3 x X NOR OR 10' MIN. OR AS INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

X = W+2' FOR TYPICAL CULVERT DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE

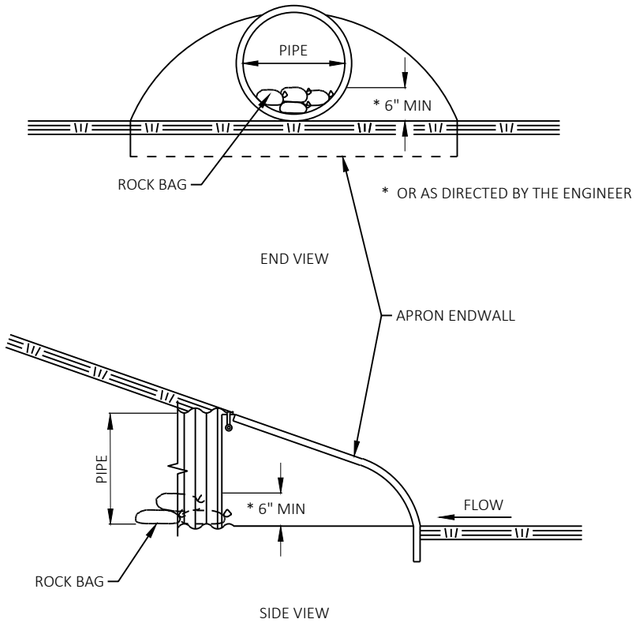
Y = 0.5' FOR TYPICAL CULVERT DISCHARGE INTO DITCH
1.0' FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE

NOTES

1) GEOTEXTILE FABRIC SHALL EXTEND BENEATH THE ENTIRE LENGTH OF THE APRON ENDWALL SECTION.

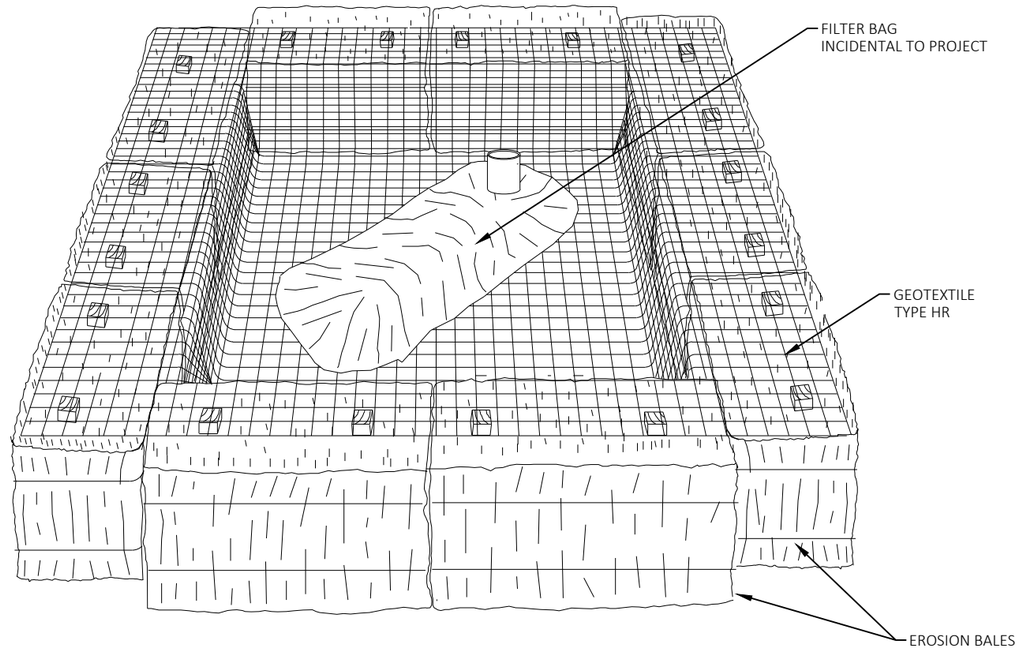
2) COMPLETE GEOTEXTILE FABRIC AND RIPRAP SECTION INSTALLATION PRIOR TO STORM WATER FLOW.

RIPRAP AND GEOTEXTILE FABRIC AT APRON ENDWALLS DETAIL



ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NUMBER OF BAGS
12"	1
15"	2
18"	2
24"	3
30"	5
36"	7
42"	7
48"	10
54"	10
60"	13
66"	14
72"	16
17"X13"	2
30"X19"	5
38"X24"	7
45"X29"	10
53"X34"	10
60"X38"	13
76"X48"	18
27' WIDE BOX CULVERT	36

CULVERT PIPE CHECKS DETAIL



TEMPORARY SETTLING BASIN DETAIL

EXAMPLE:

CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM

HEIGHT OF BALES = 1.5 FT.

SOLUTION:

SV (C.F.) = 16 X 50

SV = 800 C.F.

$$\frac{800 \text{ C.F.}}{1.5 \text{ FT.}} = 533 \text{ S.F.}$$

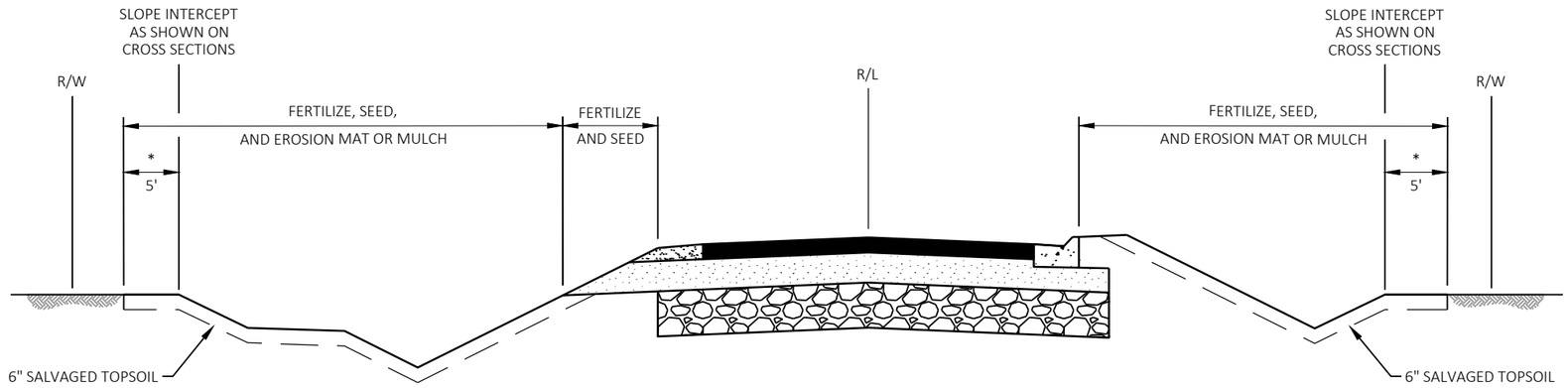
USE A 20 FT. X 27 FT. BASIN

NOTES

1) SEE EROSION CONTROL PLANS FOR LOCATION OF TEMPORARY SEDIMENT BASINS. ADDITONALLY, THE CONTRACTOR SHALL PUMP WATER FROM DEWATERING OPERATIONS INTO TEMPORARY SEDIMENT BASINS PRIOR TO DISCHARGING INTO ROADSIDE DITCHES.

2) BASIN SHALL BE KEPT LESS THAN 10% FULL OF SEDIMENT. GEOTEXTILE FABRIC AND SEDIMENTS SHALL BE DISPOSED BY THE CONTRACTOR OFF OF THE PROJECT SITE.

3) TEMPORARY SETTLING BASIN SHALL BE PAID FOR AS EROSION BALES AND GEOTEXTILE TYPE HR.

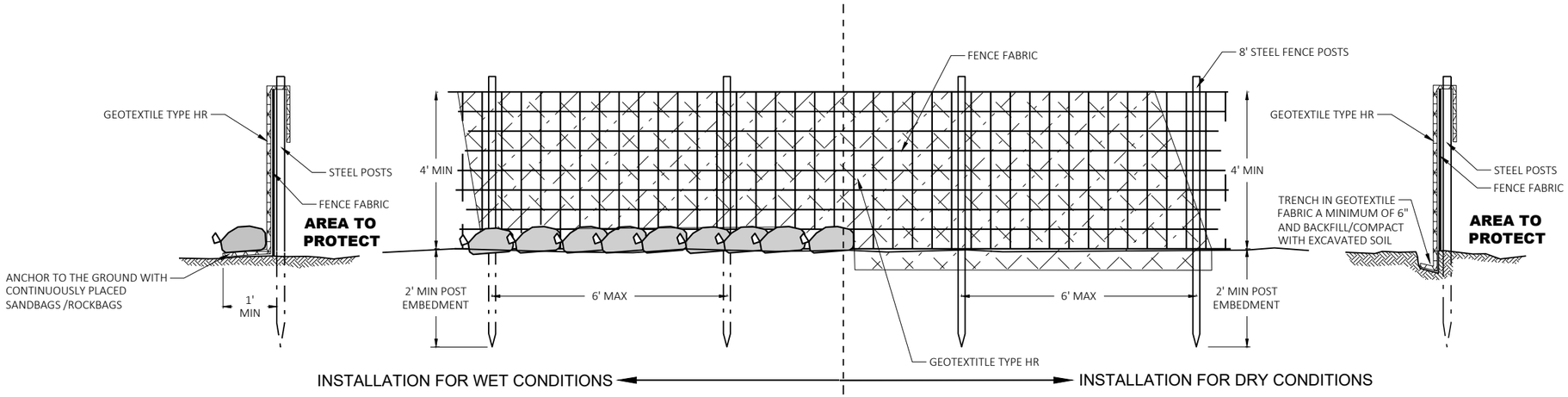


RURAL SECTION

URBAN SECTION

*EXTEND FINISHING ITEMS 5' BEYOND SLOPE INTERCEPT EXCEPT AT WETLANDS

FINISHING ITEMS DETAIL



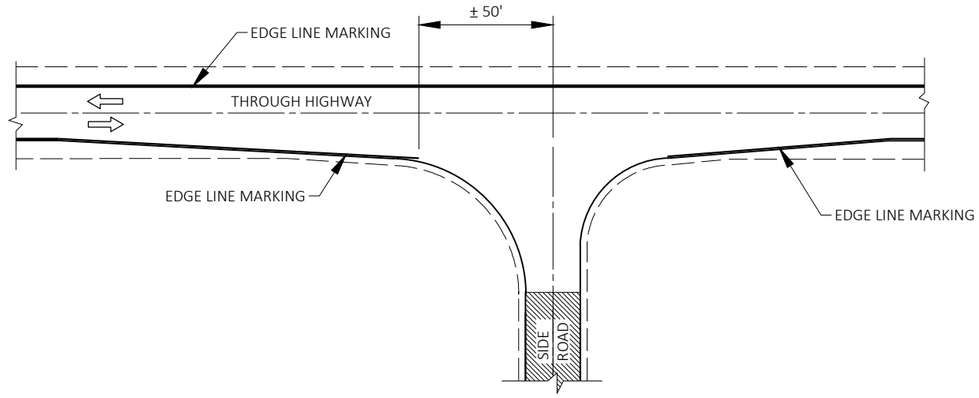
SILT FENCE HEAVY DUTY DETAIL

NOTES

1) ATTACH FENCE FABRIC TO POSTS A MINIMUM OF 3 TIES PER POST (TOP, MIDDLE, BOTTOM)

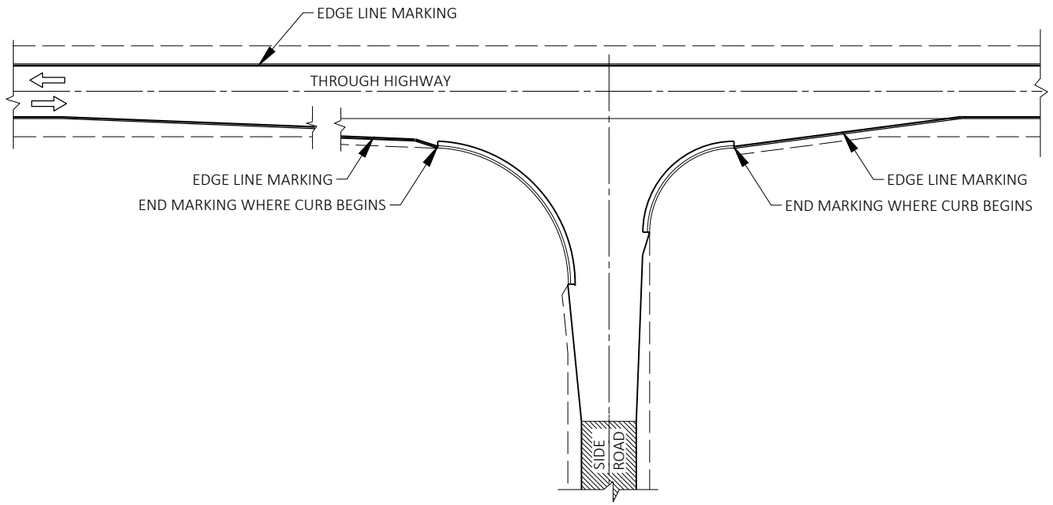
2) ATTACH GEOTEXTILE FABRIC TO FENCE FABRIC AND/OR POSTS AT A MAXIMUM SPACING OF EVERY 2 FEET ALONG THE TOP AND ADDITIONALLY AS NECESSARY TO PREVENT DISPLACEMENT BY WIND AND WAVE ACTIONS.

2



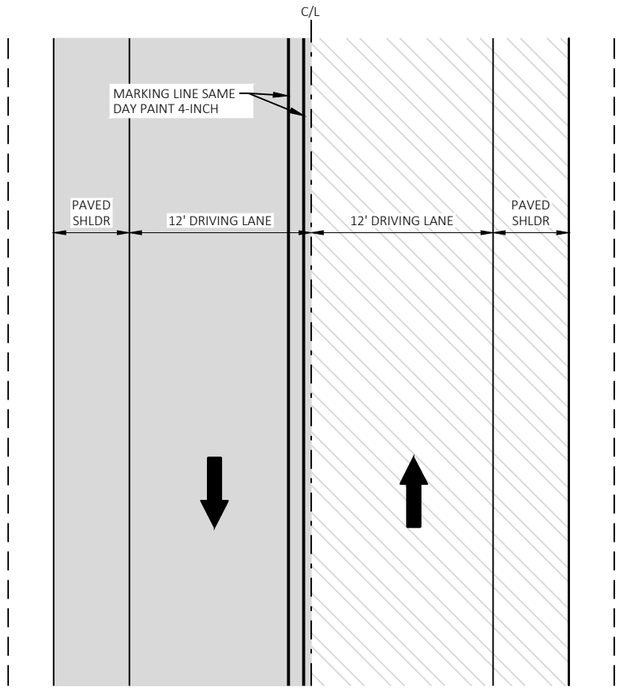
PAVEMENT MARKING MINOR INTERSECTION WITHOUT CURBS DETAIL

HILL VALLEY DR
LOLAND DR
GREELEY DR

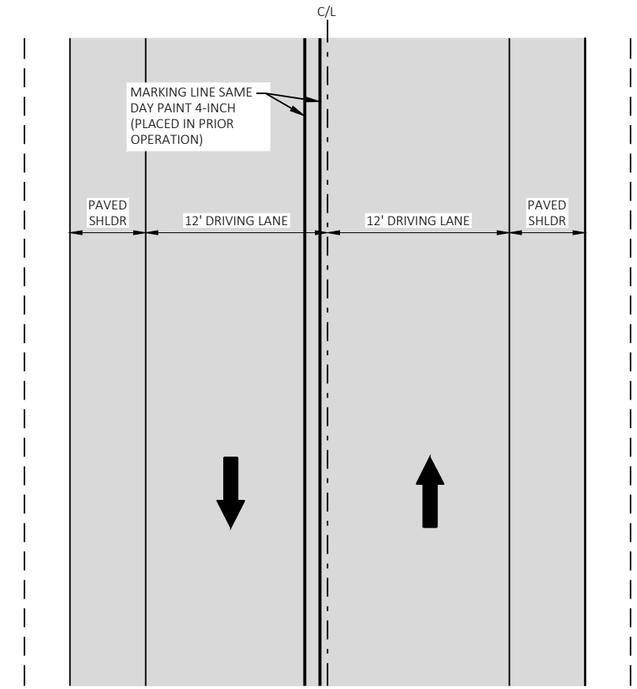


PAVEMENT MARKING MINOR INTERSECTION WITH CURBS DETAIL

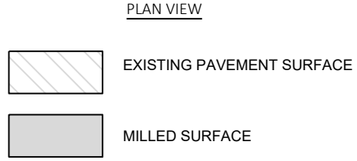
PARK DR
MAMEROW'S LN



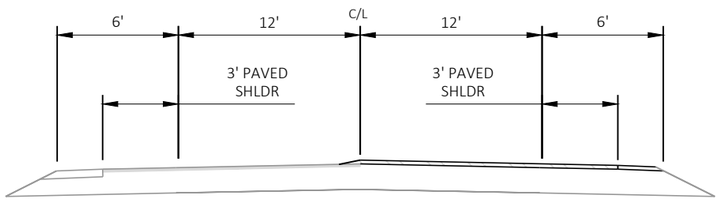
PLAN VIEW



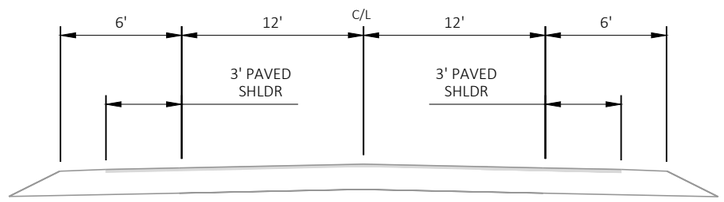
PLAN VIEW







CROSS SECTION VIEW



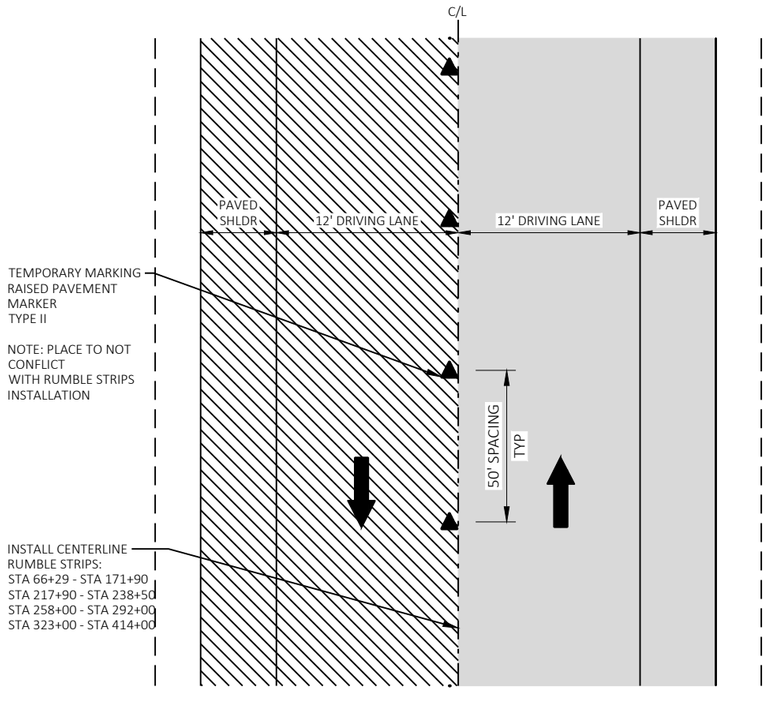
CROSS SECTION VIEW

LOWER LAYER (STAGE 3 - SB MILL) DETAIL

LOWER LAYER (STAGE 3 - NB MILL) DETAIL

MILLING, PAVING, AND MARKING SEQUENCE DETAIL

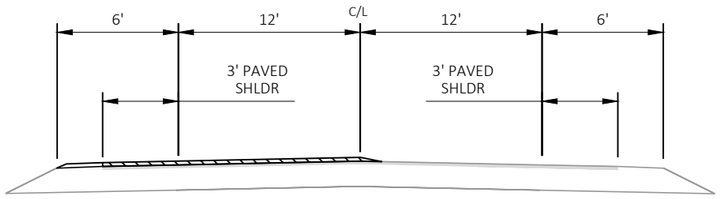
(RESURFACE SECTIONS ONLY)



PLAN VIEW

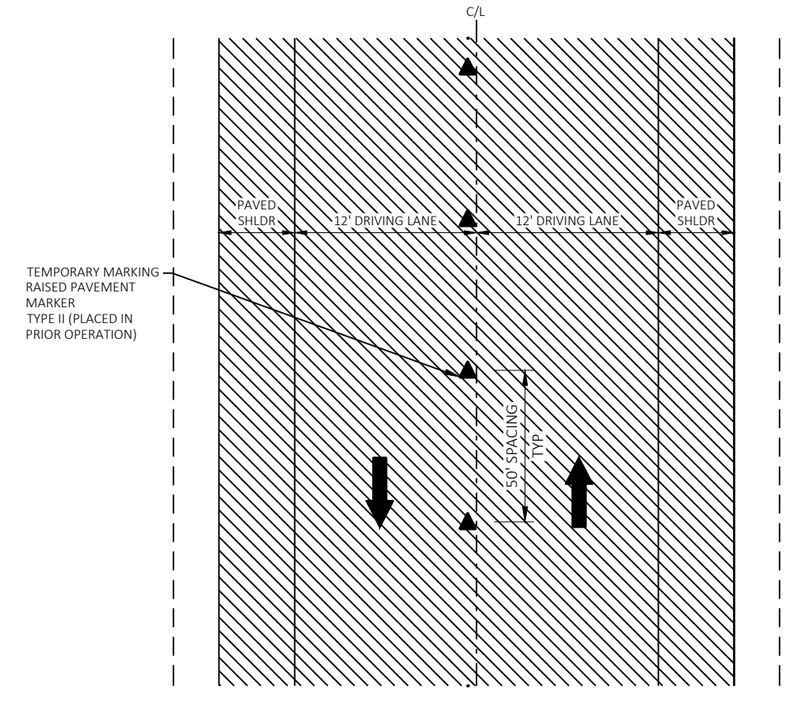
UPPER LAYER
2" HMA PAVEMENT 4 MT 58-28 S

MILLED SURFACE



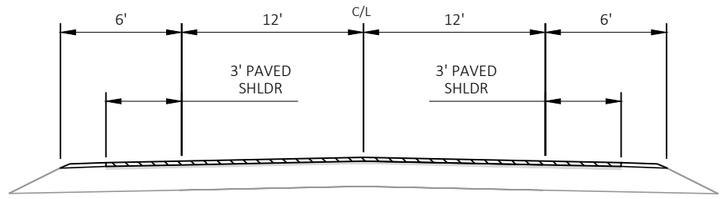
CROSS SECTION VIEW

UPPER LAYER (STAGE 3 - SB PAVE) DETAIL



PLAN VIEW

UPPER LAYER
2" HMA PAVEMENT 4 MT 58-28 S

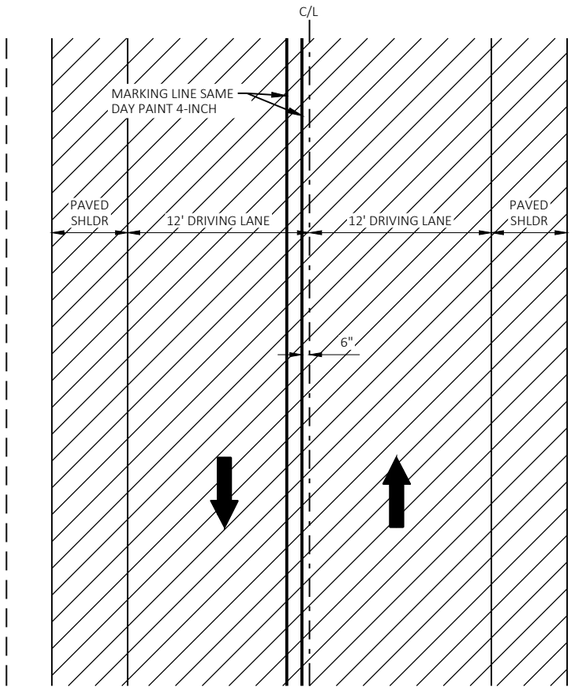


CROSS SECTION VIEW

UPPER LAYER (STAGE 3 - NB PAVE) DETAIL

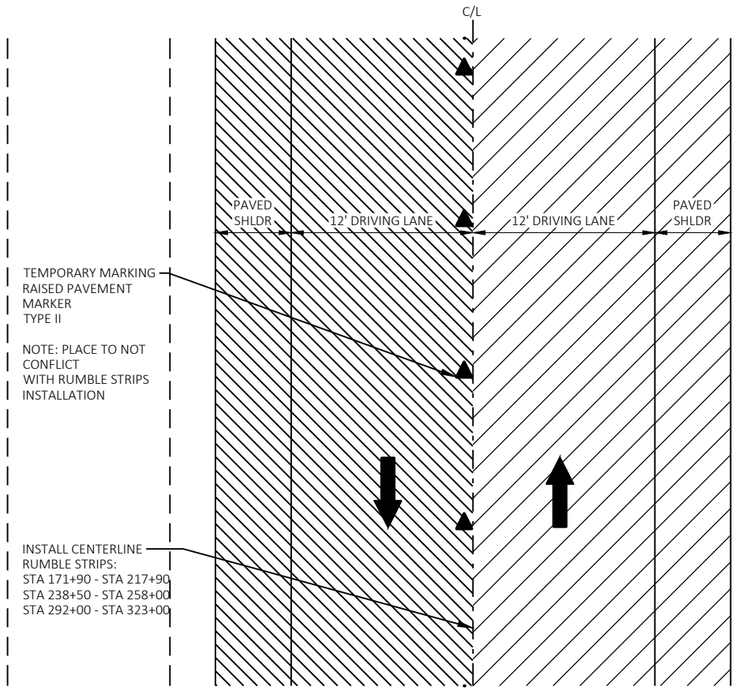
MILLING, PAVING, AND MARKING SEQUENCE DETAIL (CONTINUED)

(RESURFACE SECTIONS ONLY)



PLAN VIEW

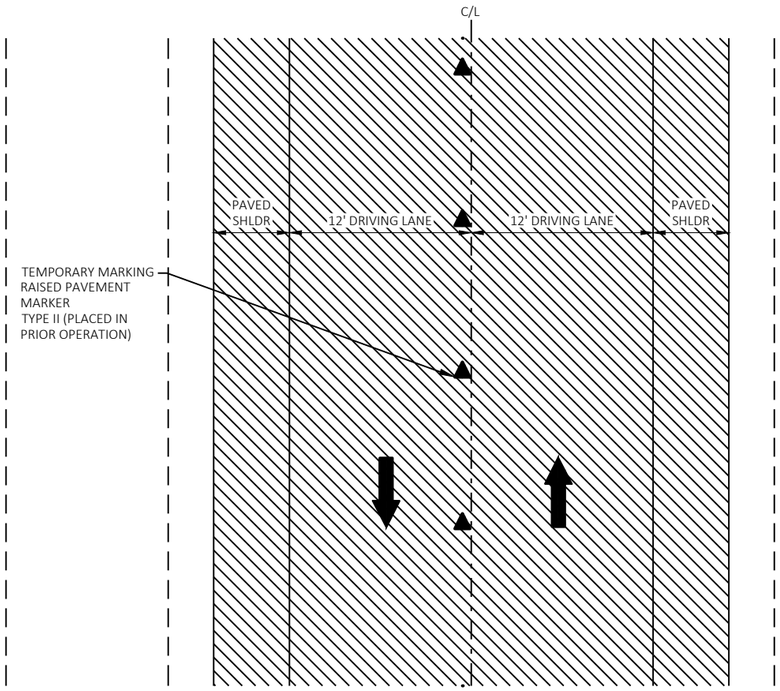
LOWER LAYER
4" HMA PAVEMENT 3 MT 58-28 S



PLAN VIEW

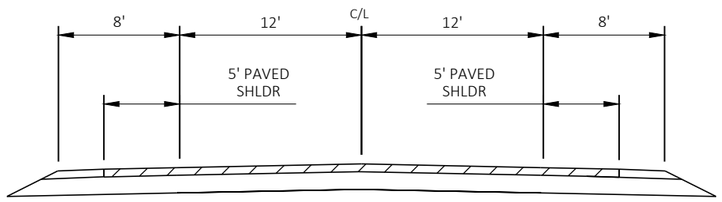
LOWER LAYER
4" HMA PAVEMENT 3 MT 58-28 S

UPPER LAYER
2" HMA PAVEMENT 4 MT 58-28 S

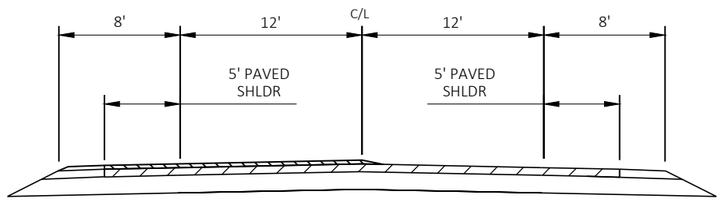


PLAN VIEW

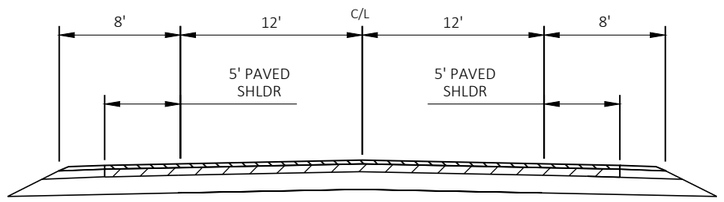
UPPER LAYER
2" HMA PAVEMENT 4 MT 58-28 S



CROSS SECTION VIEW



CROSS SECTION VIEW



CROSS SECTION VIEW

LOWER LAYER (STAGE 2) DETAIL

UPPER LAYER (STAGE 3 - SB PAVE) DETAIL

UPPER LAYER (STAGE 3- NB PAVE) DETAIL

MILLING, PAVING, AND MARKING SEQUENCE DETAIL

(RECONSTRUCT SECTIONS ONLY)

2

2

TRIBUTARY TO FOX RIVER

WETLAND BOUNDARY, TYP

SLOPE INTERCEPT, TYP

PROPOSED R/W

R/L STH 83

EXISTING R/W

STH 83

TLE

PLE

249

250

251

252

253

254

793

794

795

796

797

798

799

800

801

802

803

804

805

761

762

763

764

47.95'

47.95'

75.00'

75.00'

75.00'

75.00'

75.00'

75.00'

75.00'

73.02'

37.84'

39.57'

41.57'

41.67'

54.09'

68.38'

69.54'

85.36'

99.75'

90.89'

87.27'

81.49'

72.56'

68.91'

45.45'

38.30'

M/L

HMA

AGG

EXISTING R/W

PROPOSED R/W

TLE

NORTHWEST CIR

R/L NORTHWEST CIR

EXISTING R/W

TLE

EXISTING R/W

TLE

CTH O

651

652

R/L CTH O

PROPOSED R/W

TLE

NOTE

ADDITIONAL INFORMATION ON CULVERTS AND STORM SEWER STRUCTURES/PIPES CAN BE FOUND IN THE PLAN DETAILS AND STORM SEWER PLANS, RESPECTIVELY.

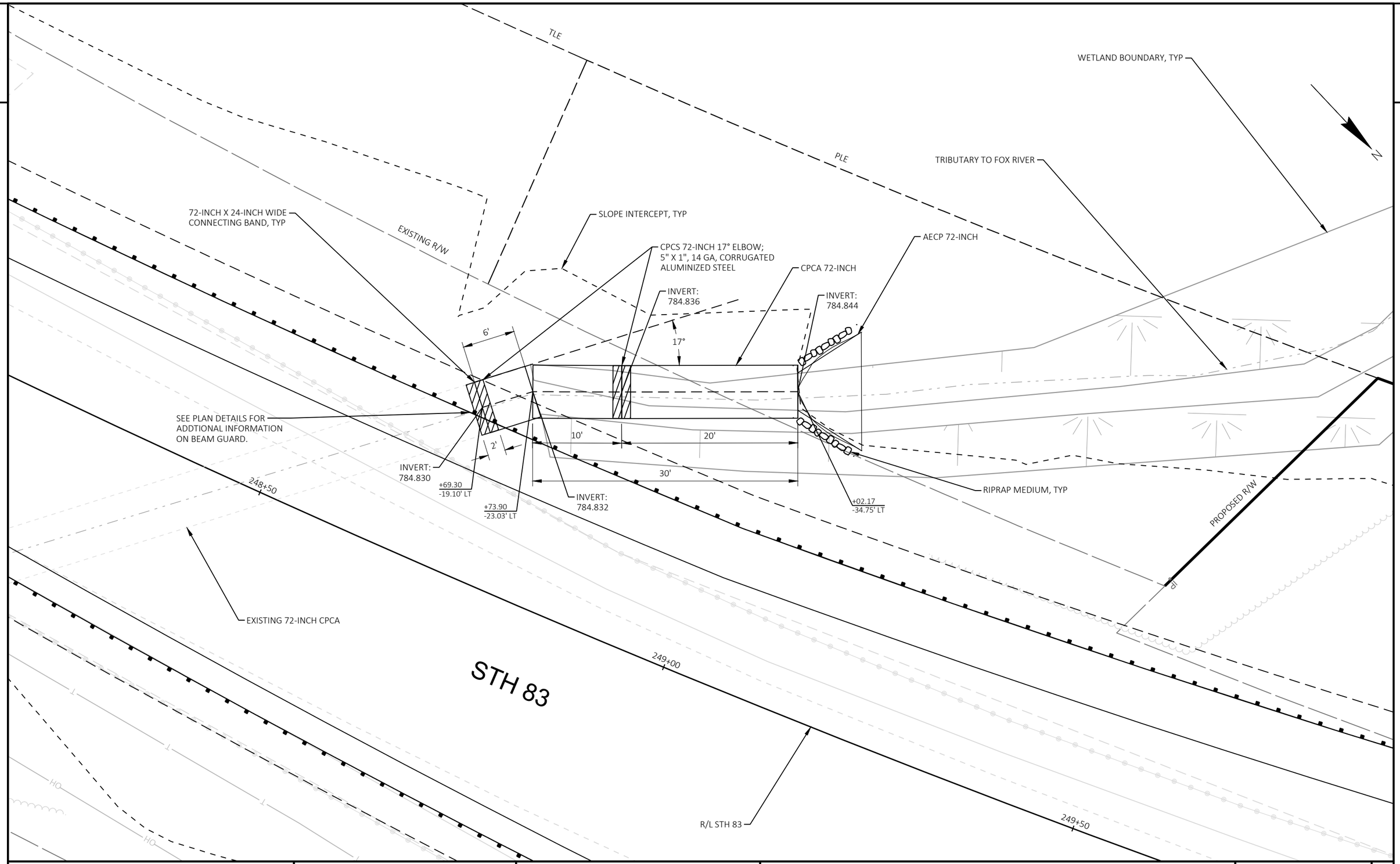
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CONSTRUCTION DETAILS - GRADING PLAN AND CROSS SECTION MATCHLINES	SHEET 32	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021010_CD.DWG
LAYOUT NAME - 021010_cd

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CONSTRUCTION DETAILS - 72-INCH CULVERT PIPE EXTENSION	SHEET 33	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021011_CD.DWG
LAYOUT NAME - 021011_cd
PLOT DATE : 10/1/2022 7:02 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

2

PENSCO TRUST COMPANY FBO MARK KRUPP IRA

CLEARING & GRUBBING (ID)
STA 296+70
36" OAK

CLEARING & GRUBBING (ID)
STA 298+65
12" OAK
15" OAK
18" OAK

CLEARING & GRUBBING (ID)
STA 299+90
15" OAK

CLEARING & GRUBBING (ID)
STA 299+83
12" OAK

CLEARING & GRUBBING (ID)
STA 300+56
24" OAK

CLEARING & GRUBBING (ID)
STA 300+73
26" OAK

CLEARING & GRUBBING (ID)
STA 301+33
18" OAK

CLEARING & GRUBBING (ID)
STA 301+38
36" OAK

CLEARING & GRUBBING (ID)
STA 301+54
18" OAK

CLEARING & GRUBBING (ID)
STA 301+62
20" OAK

CLEARING & GRUBBING (ID)
STA 301+72
18" OAK

EXISTING R/W

PROPOSED R/W

TLE

297

298

299

300

301

302

STH 83

15" CMCP

SLOPE INTERCEPT, TYP

CLEARING & GRUBBING (ID)
STA 299+73
20" OAK

CLEARING & GRUBBING (ID)
STA 300+02
22" OAK

R/L STH 83

EXISTING R/W

PROPOSED R/W

BALLARD

WESTERN RACINE COUNTY SEWERAGE DISTRICT

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CONSTRUCTION DETAILS - WILLOW CREEK RANCH TREE REMOVAL	SHEET 34	E

STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
1M	183+62.38	12.00 LT	49+84.35	163.13 RT	210614.354	509989.158	--	819.72
2M	183+95.68	17.00 LT	49+82.27	129.52 RT	210638.568	509965.759	--	819.08
3M	184+62.38	24.00 LT	49+81.10	62.46 RT	210688.820	509921.344	--	817.90
4M	184+99.56	78.75 LT	49+24.88	15.00 RT	210687.318	509855.179	--	817.27
5M	184+62.38	64.00 LT	49+24.88	55.00 RT	210665.603	509888.771	40'	816.15
6M	184+63.61	135.30 LT	48+50.89	11.00 RT	210625.216	509830.004	--	818.07
7M	184+76.41	153.26 LT	48+49.23	11.00 LT	210625.216	509807.942	--	818.75
8M	185+31.33	78.95 LT	49+35.37	15.00 LT	210713.068	509836.583	--	818.39
9M	185+34.07	69.32 LT	49+44.47	15.00 LT	210720.884	509842.828	--	818.28
10M	185+92.24	24.00 LT	49+92.40	66.91 LT	210794.567	509845.968	--	816.94
11M	185+92.24	84.00 LT	49+44.47	75.00 LT	210759.741	509797.109	60'	818.27
12M	186+02.24	24.00 LT	49+93.27	76.87 LT	210802.710	509840.164	--	816.89

BEGIN CONSTRUCTION
STA 47+25.00 R/L MAPLE RD
SAWCUT AND MATCH EXISTING

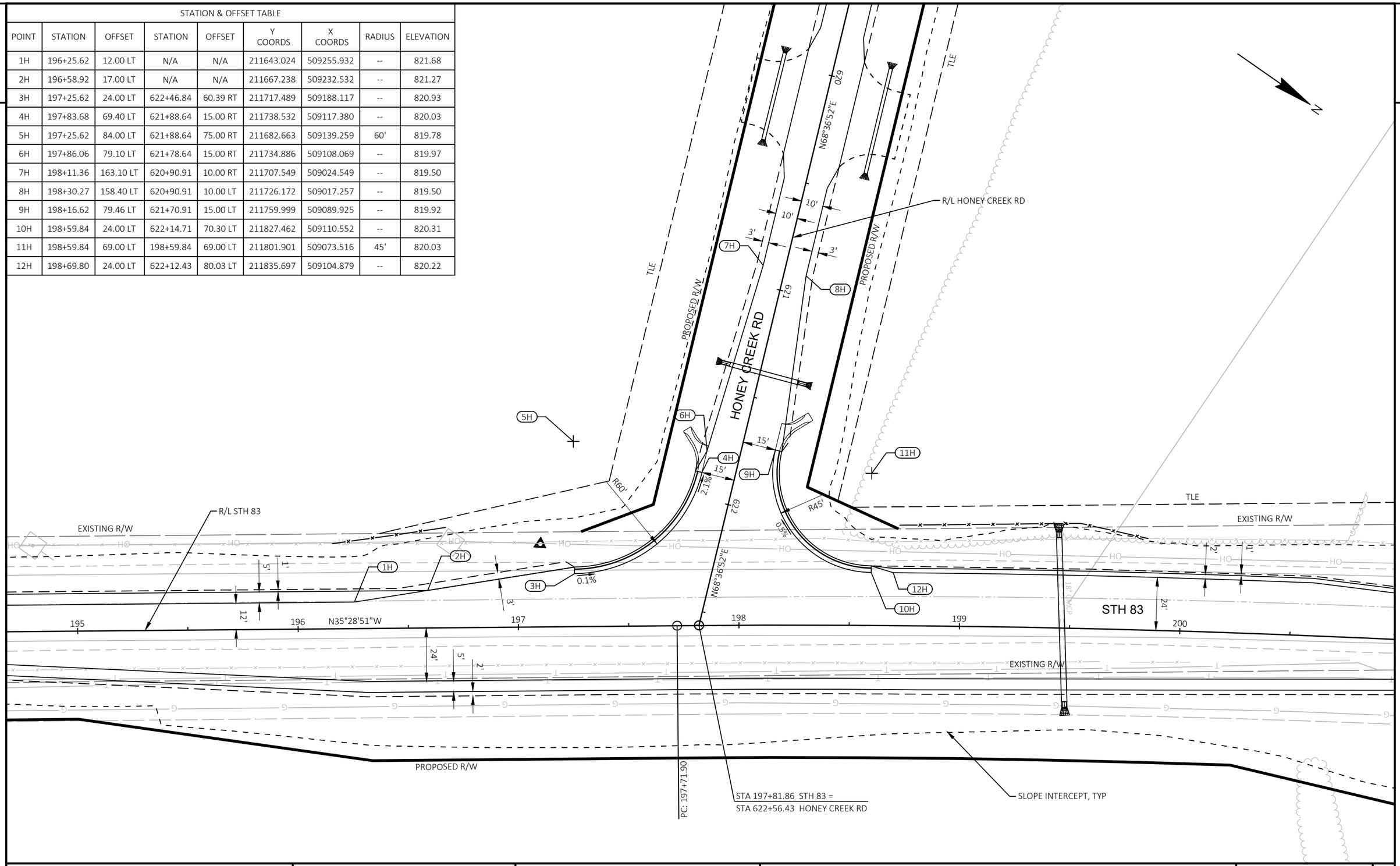
R/L MAPLE RD
R/L STH 83
MAPLE RD
STH 83
EXISTING R/W
PROPOSED R/W
PC: 48+40.73
PI: 49+08.76
PT: 49+68.47
PT: 183+25.20
N0°44'07"E
N49°31'41"E
N35°28'51"W
R40'
R60'
1.7%
0.7%
6.1%
15"X21" CMCP
24" CMCP
TLE
STA 185+27.18 STH 83 =
STA 50+10.64 MAPLE RD
SLOPE INTERCEPT, TYP
WETLAND BOUNDARY, TYP

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	INTERSECTION DETAILS - MAPLE RD	SHEET 35	E

2

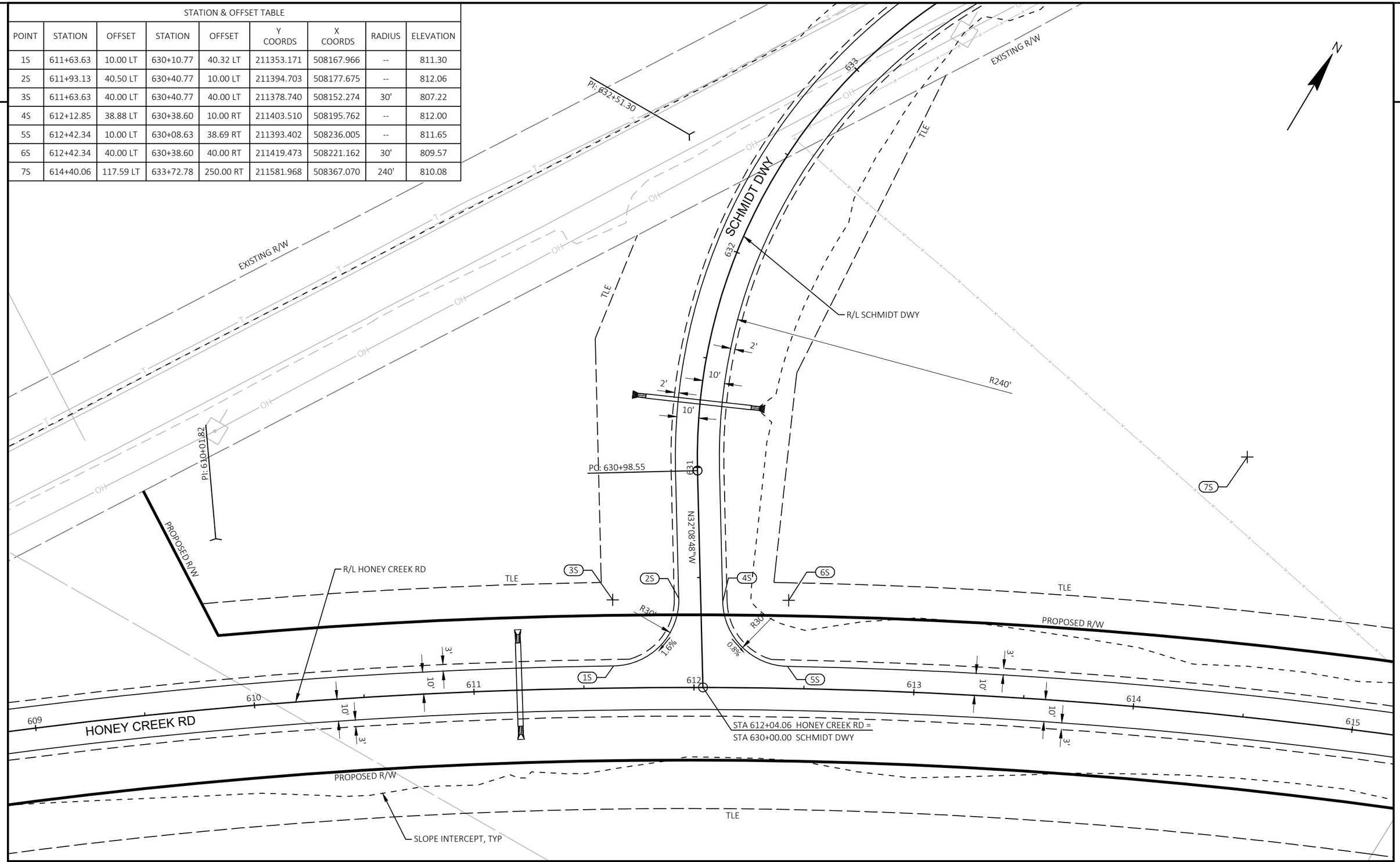
STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
1H	196+25.62	12.00 LT	N/A	N/A	211643.024	509255.932	--	821.68
2H	196+58.92	17.00 LT	N/A	N/A	211667.238	509232.532	--	821.27
3H	197+25.62	24.00 LT	622+46.84	60.39 RT	211717.489	509188.117	--	820.93
4H	197+83.68	69.40 LT	621+88.64	15.00 RT	211738.532	509117.380	--	820.03
5H	197+25.62	84.00 LT	621+88.64	75.00 RT	211682.663	509139.259	60'	819.78
6H	197+86.06	79.10 LT	621+78.64	15.00 RT	211734.886	509108.069	--	819.97
7H	198+11.36	163.10 LT	620+90.91	10.00 RT	211707.549	509024.549	--	819.50
8H	198+30.27	158.40 LT	620+90.91	10.00 LT	211726.172	509017.257	--	819.50
9H	198+16.62	79.46 LT	621+70.91	15.00 LT	211759.999	509089.925	--	819.92
10H	198+59.84	24.00 LT	622+14.71	70.30 LT	211827.462	509110.552	--	820.31
11H	198+59.84	69.00 LT	198+59.84	69.00 LT	211801.901	509073.516	45'	820.03
12H	198+69.80	24.00 LT	622+12.43	80.03 LT	211835.697	509104.879	--	820.22



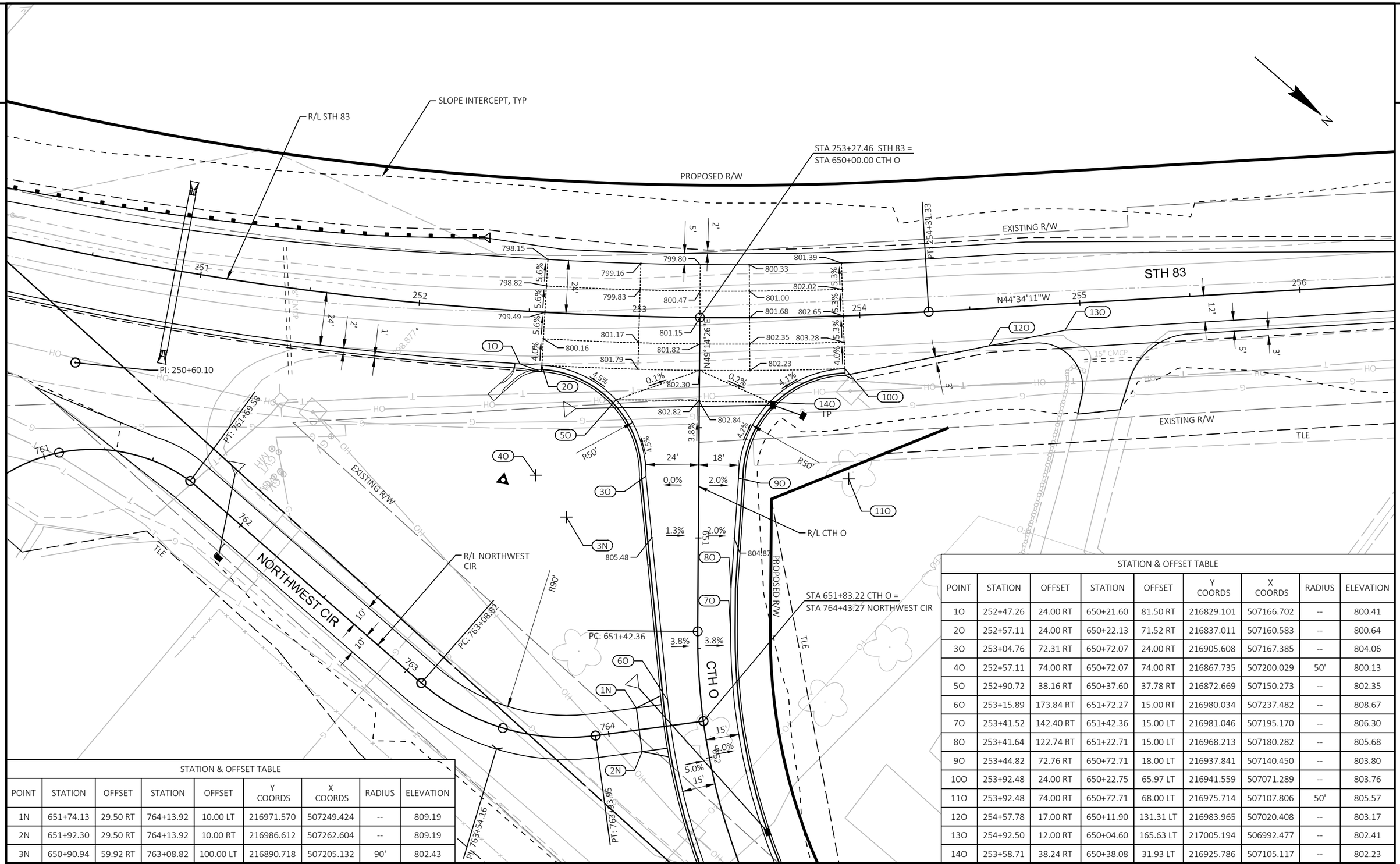
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	INTERSECTION DETAILS - HONEY CREEK RD	SHEET 36	E

STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
1S	611+63.63	10.00 LT	630+10.77	40.32 LT	211353.171	508167.966	--	811.30
2S	611+93.13	40.50 LT	630+40.77	10.00 LT	211394.703	508177.675	--	812.06
3S	611+63.63	40.00 LT	630+40.77	40.00 LT	211378.740	508152.274	30'	807.22
4S	612+12.85	38.88 LT	630+38.60	10.00 RT	211403.510	508195.762	--	812.00
5S	612+42.34	10.00 LT	630+08.63	38.69 RT	211393.402	508236.005	--	811.65
6S	612+42.34	40.00 LT	630+38.60	40.00 RT	211419.473	508221.162	30'	809.57
7S	614+40.06	117.59 LT	633+72.78	250.00 RT	211581.968	508367.070	240'	810.08



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	INTERSECTION DETAILS - SCHMIDT DWY	SHEET 37	E

2



STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
1N	651+74.13	29.50 RT	764+13.92	10.00 LT	216971.570	507249.424	--	809.19
2N	651+92.30	29.50 RT	764+13.92	10.00 RT	216986.612	507262.604	--	809.19
3N	650+90.94	59.92 RT	763+08.82	100.00 LT	216890.718	507205.132	90'	802.43

STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
1O	252+47.26	24.00 RT	650+21.60	81.50 RT	216829.101	507166.702	--	800.41
2O	252+57.11	24.00 RT	650+22.13	71.52 RT	216837.011	507160.583	--	800.64
3O	253+04.76	72.31 RT	650+72.07	24.00 RT	216905.608	507167.385	--	804.06
4O	252+57.11	74.00 RT	650+72.07	74.00 RT	216867.735	507200.029	50'	800.13
5O	252+90.72	38.16 RT	650+37.60	37.78 RT	216872.669	507150.273	--	802.35
6O	253+15.89	173.84 RT	651+72.27	15.00 RT	216980.034	507237.482	--	808.67
7O	253+41.52	142.40 RT	651+42.36	15.00 LT	216981.046	507195.170	--	806.30
8O	253+41.64	122.74 RT	651+22.71	15.00 LT	216968.213	507180.282	--	805.68
9O	253+44.82	72.76 RT	650+72.71	18.00 LT	216937.841	507140.450	--	803.80
10O	253+92.48	24.00 RT	650+22.75	65.97 LT	216941.559	507071.289	--	803.76
11O	253+92.48	74.00 RT	650+72.71	68.00 LT	216975.714	507107.806	50'	805.57
12O	254+57.78	17.00 RT	650+11.90	131.31 LT	216983.965	507020.408	--	803.17
13O	254+92.50	12.00 RT	650+04.60	165.63 LT	217005.194	506992.477	--	802.41
14O	253+58.71	38.24 RT	650+38.08	31.93 LT	216925.786	507105.117	--	802.23

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	INTERSECTION DETAILS - CTH O AND NORTHWEST CIR	SHEET 38	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 04-id
PLOT DATE : 10/1/2022 5:36 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
1L	346+59.33	12.00 LT	808+19.40	180.77 RT	223649.228	500851.621	--	835.00
2L	346+79.30	15.00 LT	808+15.39	160.98 RT	223665.413	500839.551	--	834.72
3L	347+59.33	24.00 LT	808+02.36	81.51 RT	223731.720	500793.836	--	833.86
4L	348+07.58	60.89 LT	807+63.07	35.18 RT	223756.840	500738.532	--	832.28
5L	347+59.33	74.00 LT	807+52.42	84.04 RT	223708.117	500749.757	50'	831.05
6L	348+10.20	70.55 LT	807+53.30	33.05 RT	223754.595	500728.788	--	832.17
7L	348+32.82	160.26 LT	806+62.55	15.00 RT	223732.184	500639.016	--	831.18
8L	348+60.70	177.01 LT	806+44.42	12.00 LT	223748.860	500611.094	--	830.96
9L	348+62.69	156.91 LT	806+64.39	15.00 LT	223760.096	500627.869	--	831.20
10L	348+67.63	76.53 LT	807+44.42	24.00 LT	223802.400	500696.402	--	832.17
11L	349+17.57	24.00 LT	807+94.36	76.53 LT	223871.218	500719.137	--	833.21

STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
12L	349+17.57	74.00 LT	807+44.42	74.00 LT	223847.615	500675.059	50'	830.35
13L	349+27.57	24.00 LT	807+93.85	86.52 LT	223880.034	500714.416	--	833.18
14L	350+20.12	12.00 RT	808+25.12	180.77 LT	223978.622	500702.460	--	833.14
15L	350+00.16	15.00 RT	808+29.13	160.98 LT	223962.437	500714.530	--	833.14
16L	349+20.12	24.00 RT	808+42.16	81.51 LT	223896.130	500760.245	--	833.20
17L	348+71.87	60.89 RT	808+81.45	35.18 LT	223871.010	500815.548	--	832.68
18L	349+20.12	74.00 RT	808+92.10	84.04 LT	223919.733	500804.324	50'	831.14
19L	348+69.26	70.55 RT	808+91.22	33.06 LT	223873.260	500825.292	--	832.78
20L	348+46.63	160.26 RT	809+81.97	15.00 LT	223895.666	500915.064	--	833.11
21L	348+18.75	177.01 RT	810+00.10	12.00 RT	223878.990	500942.987	--	833.34
22L	348+16.76	156.91 RT	809+80.14	15.00 RT	223867.754	500926.212	--	833.10

STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
23L	348+11.82	76.53 RT	809+00.10	24.00 RT	223825.451	500857.678	--	832.77
24L	347+61.88	24.00 RT	808+50.17	76.53 RT	223756.632	500834.944	--	833.84
25L	347+61.88	74.00 RT	809+00.10	74.00 RT	223780.235	500879.022	50'	832.19
26L	347+51.88	24.00 RT	808+50.67	86.52 RT	223747.817	500839.665	--	833.91
27L	348+17.59	27.18 LT	807+96.24	23.48 RT	223781.584	500763.531	5'	833.30
28L	348+25.19	58.96 LT	807+64.11	17.50 RT	223773.277	500731.927	4'	832.65
29L	348+22.63	28.10 LT	807+95.06	18.50 RT	223785.584	500760.340	5'	833.26
30L	348+56.83	28.10 RT	808+49.46	18.50 LT	223842.266	500793.741	5'	833.33
31L	348+61.86	27.18 RT	808+48.28	23.48 LT	223846.266	500790.550	5'	833.33
32L	348+54.26	58.96 RT	808+80.41	17.50 LT	223854.573	500822.154	4'	833.09

CTH L
STH 83
EXISTING R/W
PROPOSED R/W
REJECT GUTTER
R/L CTH L
R/L STH 83
SLOPE INTERCEPT, TYP
STA 348+39.73 STH 83 =
STA 808+22.26 CTH L
N64°43'49"E
N28°10'06"W
807
808
809
810
R50'
R5'
R4'
14'
24'
12'
1.3%
1.7%
0.4%
0.2%
3.1%
1.4%

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	INTERSECTION DETAILS - CTH L	SHEET 39 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 05-id
PLOT DATE : 10/1/2022 5:36 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

BEGIN PROJECT ID 1300-09-70
STA 66+29.00 R/L STH 83
BEGIN RESURFACE SECTION AND
MATCH EXISTING

VJ MAGIC ENTERPRISES LLC

KETTERHAGEN

CUDDEBACK

CAUTION

ASPHALTIC FLUMES

STA 67+74, LT
CE

R/L STH 83

+42.88
-15.73'

+52.01
-24.01'

STA 72+36.22 R/L STH 83=
STA 10+00.00 R/L PARK DR

STH 83

+78.10
-24.00'

EXISTING R/W

STA 75+92, LT
PE

+70.43
-13.26'

DITCH REGRADING
STA 76+03.47, 28.06' LT TO
STA 77+00.00, 26.86' LT

SLOPE
INTERCEPT,
TYP

TLE

STA 80+47, LT
PE

MATCH LINE STA 81+00

PT: 66+47.86

EXISTING R/W

UTILITY EASEMENT

+15.22
12.00'

+42.87
25.22'

PI: 10+69.10

+12.11
25.17'

EXISTING R/W

+39.45
12.00'

EXISTING R/W

DITCH REGRADING
STA 75+50.00, 42.00' RT TO
STA 76+50.00, 32.67' RT

STA 76+15
1-56' CPRC CLASS III 24-INCH
2-AECPRC
2° SKEW LHF
REDUCED SUBGRADE COVER

CAUTION

KOJIS

PARK DR

PI: 12+06.57

END CONSTRUCTION
STA 10+59.56 R/L PARK DR
MATCH EXISTING

R/L PARK DR

PI: 13+40.89

ROGALSKI

FHB INVESTMENTS

FHB INVESTMENTS

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 40	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 01-pd

PLOT DATE : 10/20/2022 9:49 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CUDDEBACK

BENAVIDES

BECK GRAIN FARMS LLC

ROGALSKI

FREEMAN

BECK GRAIN FARMS LLC

MATCH LINE STA 81+00

MATCH LINE STA 96+00

PI: 81+00.00

STH 83

R/L STH 83

STA 88+75, LT
PE

PC: 91+31.77

EXISTING R/W

EXISTING R/W

STA 81+63, RT
PE

STA 91+76, RT
PE

UTILITY EASEMENT

PI: 94+16.22

A1 B1 H1

A1 B1 H1

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 41	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 02-pd

PLOT DATE : 10/20/2022 9:49 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

BECK GRAIN FARMS LLC

OAKWOOD CEMETERY

MATCH LINE STA 96+00

MATCH LINE STA 111+00

PT: 97+00.21

STA 97+84, LT
PE

STA 97+73, RT
PE

STA 110+00, LT
CE

STA 108+68, RT
PE

STH 83

R/L STH 83

EXISTING R/W

EXISTING R/W

UTILITY EASEMENT

TLE

TLE

SLOPE INTERCEPT, TYP

DITCH REGRADING
STA 103+05.24, 26.52' LT TO
STA 105+00.00, 25.15' LT

FENCE SAFETY

A1

B1

H1

A1

B1

H1

CAUTION

DITCH REGRADING
STA 102+77.88, 25.59' RT TO
STA 104+00.64, 24.92' RT

STA 103+66
1-42' CPRCHE CLASS HE-IV 19x30-INCH
2-AECPRCHE
REDUCED SUBGRADE COVER

BECK GRAIN FARMS LLC

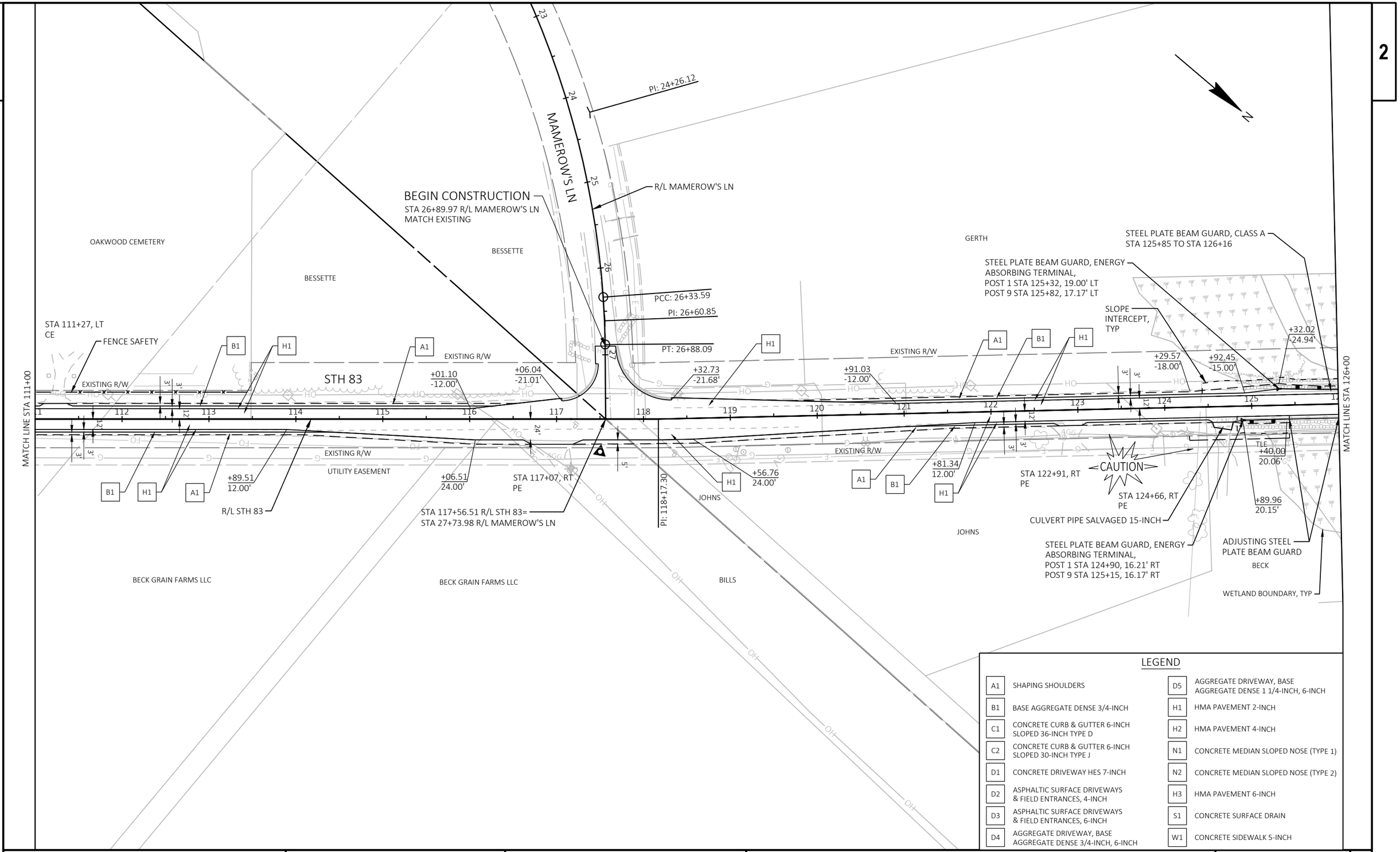
BECK GRAIN FARMS LLC

BECK GRAIN FARMS LLC

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2



LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

N

R/L HILL VALLEY DR

PC: 30+57.95

PI: 31+84.91

HILL VALLEY DR

EXISTING R/W

STEEL PLATE BEAM GUARD, ENERGY ABSORBING TERMINAL,
POST 1 STA 128+92.00, 18.00' LT
POST 9 STA 128+42.00, 16.73' LT

ADJUSTING STEEL PLATE BEAM GUARD

GERTH

MAMEROW

PROVINCIAL CORPORATION

PI: 33+11.70

BEGIN CONSTRUCTION
STA 33+32.09 R/L HILL VALLEY DR
MATCH EXISTING

+92.00
-21.90'

+10.78
-12.00'

+36.47
-20.93'

+60.78
-15.00'

STA 129+87.38 R/L STH 83=
STA 34+48.82 R/L HILL VALLEY DR

+71.23
-15.00'

+21.35
-12.00'

STH 83

R/L STH 83

PT: 135+67.80

DITCH REGRADING
STA 140+60.00, 29.15' LT TO
STA 141+49.80, 26.20' LT

MATCH LINE STA 126+00

MATCH LINE STA 141+00

+42.98
18.00'

+25.43
15.00'

+88.57
24.55'

PC: 130+75.50

UTILITY EASEMENT

STA 135+80, RT
PE

12" CMCP

STA 136+74, RT
PE

DITCH REGRADING
STA 140+50.00, 22.72' RT TO
STA 141+38.10, 25.52' RT

SLOPE INTERCEPT, TYP

TALSKY

BECK

CAUTION

STEEL PLATE BEAM GUARD, ENERGY ABSORBING TERMINAL,
POST 1 STA 128+89, 18.61' RT
POST 9 STA 128+39, 16.63' RT

WETLAND BOUNDARY, TYP

PI: 133+23.02

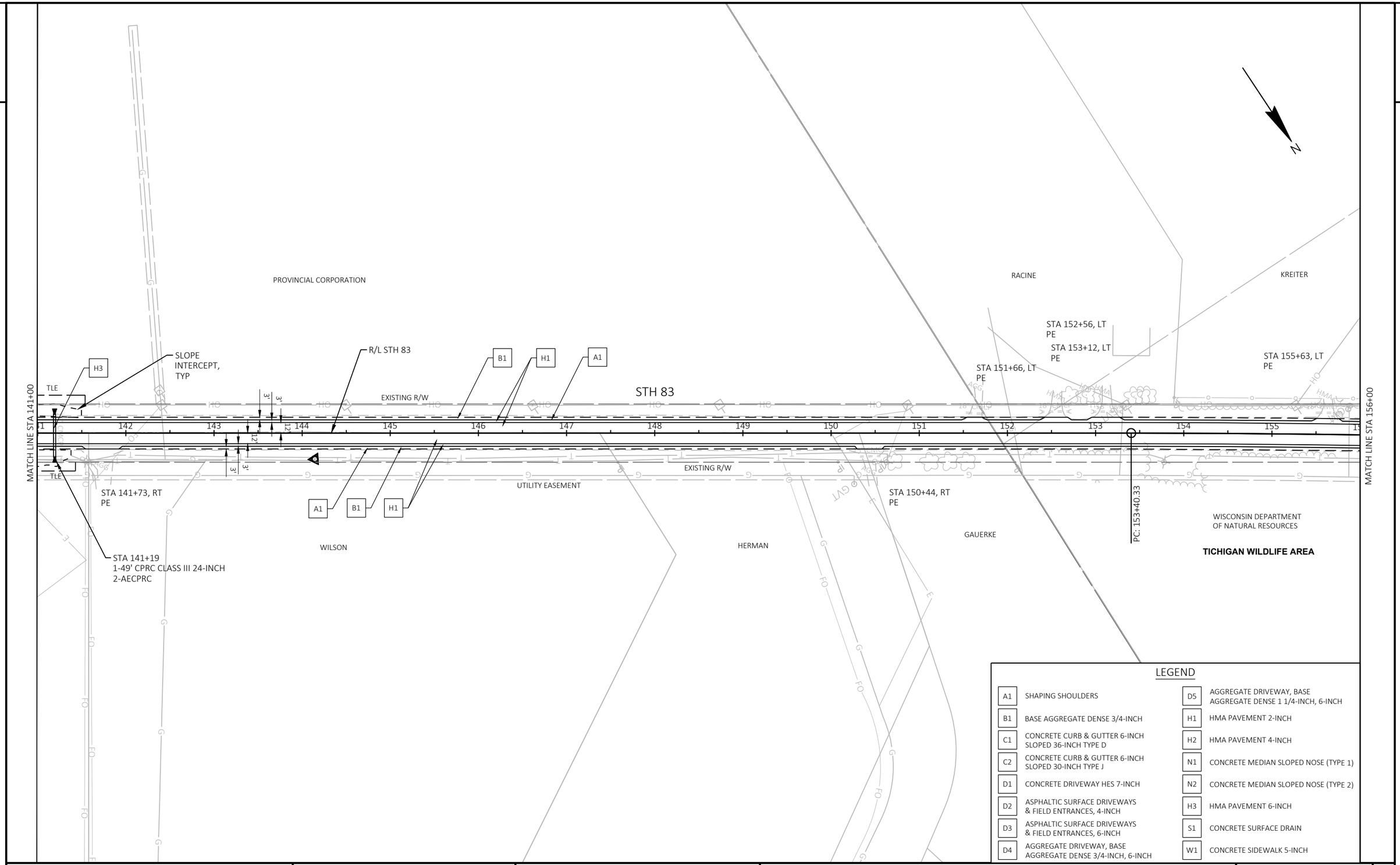
STA 133+81, RT
PE

ADJUSTING STEEL PLATE BEAM GUARD

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 44	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 05-pd
PLOT DATE : 10/20/2022 9:49 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2

2

MATCH LINE STA 156+00

MATCH LINE STA 171+00

KREITER

GAULT

ZOELLE

KELLEY FARM TRUST

KELLEY FARM TRUST

STA 156+42, LT
PE

STA 160+13, LT
PE

STA 161+61, LT
PE

R/L STH 83

EXISTING R/W

STH 83

PT: 164+95.54

B1

H1

A1

EXISTING R/W

EXISTING R/W

EXISTING R/W

UTILITY EASEMENT

24'

PAVE DNR DRIVEWAY
UP TO EXISTING R/W

A1

B1

H1

D2

STA 163+69, RT
PE, 12.0' WIDE

STA 166+36, RT
PE

1' PAVED SHOULDER IN FRONT OF HISTORIC PROPERTY
STA 166+06.91 TO STA 167+51.56

HISTORIC ELAM BEARDSLEY FARMHOUSE
5601 NORTHWEST HIGHWAY
STA 166+50 RT

KELLEY FARM TRUST

KELLEY FARM TRUST

WISCONSIN DEPARTMENT
OF NATURAL RESOURCES

TICHIGAN WILDLIFE AREA

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2

2

KELLEY FARM TRUST

WETLAND BOUNDARY, TYP

HIMEBAUCH

R/L MAPLE RD

EXISTING R/W

MAPLE RD

BEGIN CONSTRUCTION
STA 47+25.00 R/L MAPLE RD
SAWCUT AND MATCH EXISTING

STA 171+90.00
END RESURFACE SECTION
BEGIN RECONSTRUCTION SECTION

PC: 173+09.71

R/L STH 83

PI: 178+21.26

STH 83

EXISTING R/W

PROP R/W

TLE

STA 49+53
1-61' CPRCHE CLASS HE-IV 19x30-INCH
2-AECPRCHE
5° SKEW RHF

PT: 183+25.20

PC: 48+40.73

PI: 49+08.76

PROPOSED R/W

PT: 49+68.47

MATCH LINE STA 171+00

MATCH LINE STA 186+00

UTILITY EASEMENT

PROPOSED R/W

TLE

EXISTING R/W

PROPOSED R/W

TLE

END 20:1 SHOULDER TAPER
STA 172+30.00, 17.00' LT/RT

BEGIN 20:1 SHOULDER TAPER
STA 171+90.00, 15.00' LT/RT

DITCH REGRADING
STA 171+25.00, 22.69' RT TO
STA 171+90.00, 37.32' RT

KELLEY FARM TRUST

STA 174+88
1-56' CPRCHE CLASS HE-IV 19x30-INCH
2-AECPRCHE
1° SKEW RHF
REDUCED SUBGRADE COVER

BUTTLES

SLOPE
INTERCEPT,
TYP

CAUTION

100M

101M

D4 STA 184+89, RT
FE, 16.0' WIDE
1-31' CPCS 18-INCH
2-AECPS

STA 185+27.18 R/L STH 83=
STA 50+10.64 R/L MAPLE RD
TYPE B2 INTERSECTION REQ'D

STATION & OFFSET TABLE

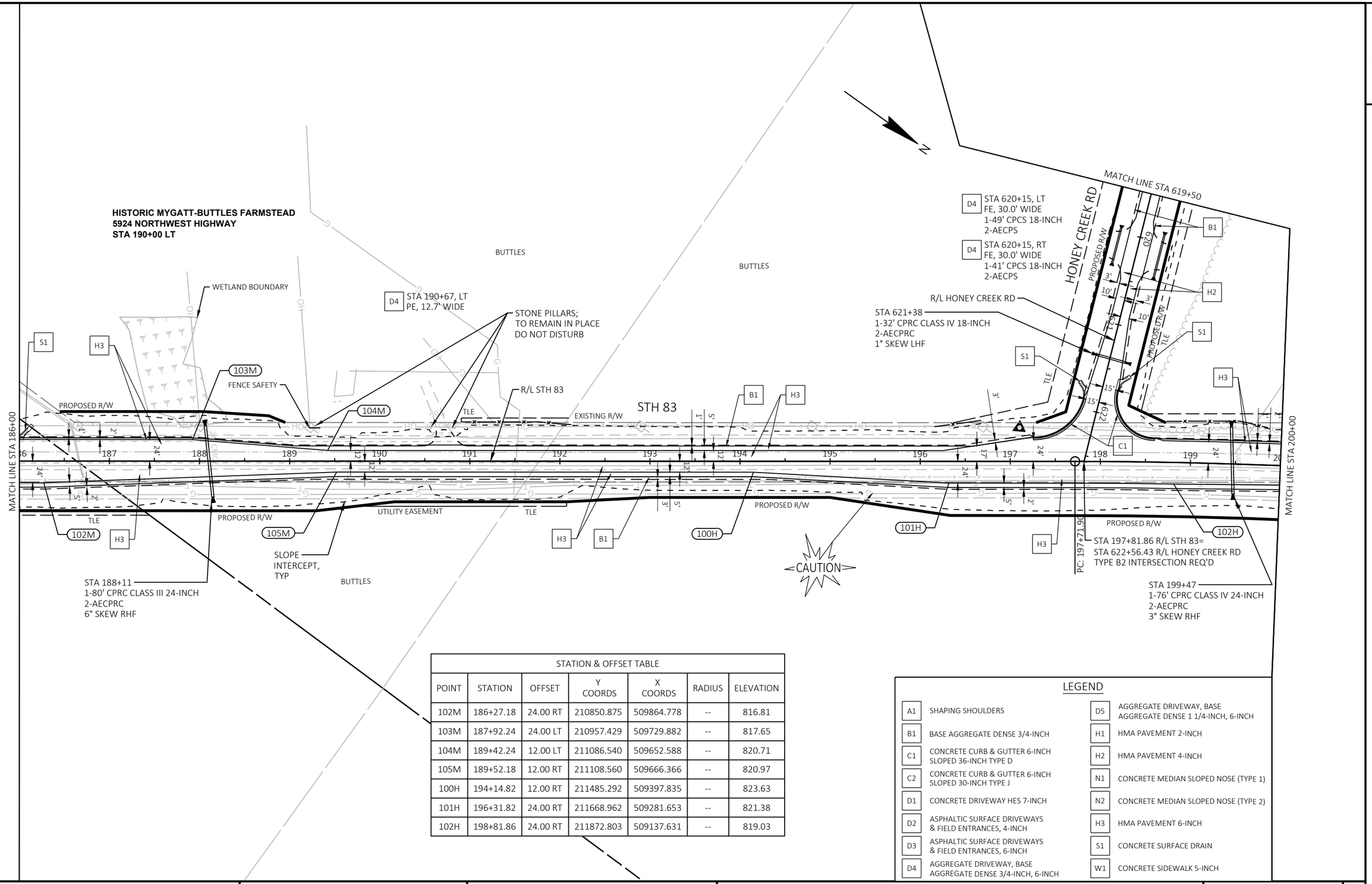
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
100M	181+58.90	12.00 RT	210465.469	510129.731	--	822.55
101M	183+77.18	24.00 RT	210647.298	510009.886	--	818.91

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 47	E

2



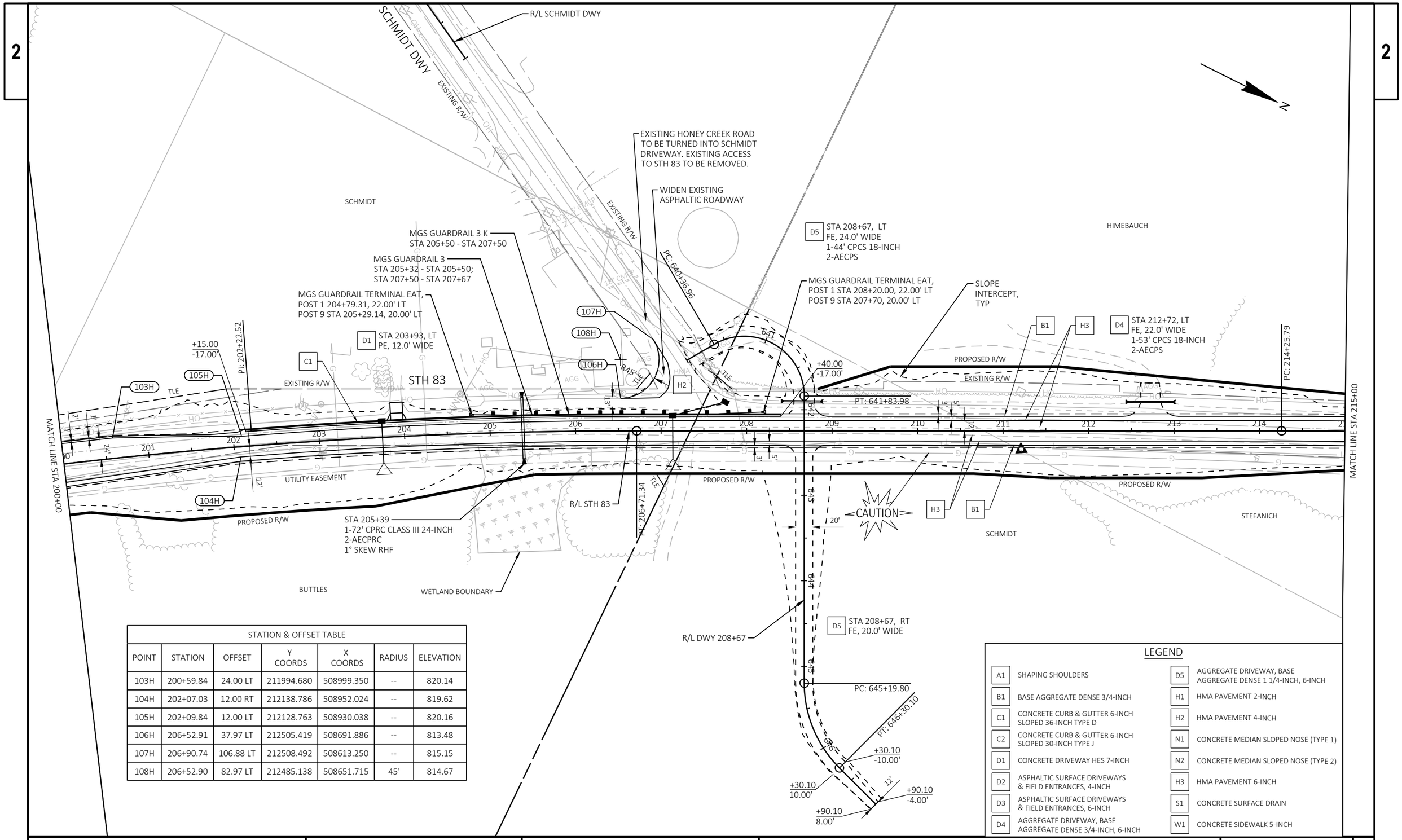
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
102M	186+27.18	24.00 RT	210850.875	509864.778	--	816.81
103M	187+92.24	24.00 LT	210957.429	509729.882	--	817.65
104M	189+42.24	12.00 LT	211086.540	509652.588	--	820.71
105M	189+52.18	12.00 RT	211108.560	509666.366	--	820.97
100H	194+14.82	12.00 RT	211485.292	509397.835	--	823.63
101H	196+31.82	24.00 RT	211668.962	509281.653	--	821.38
102H	198+81.86	24.00 RT	211872.803	509137.631	--	819.03

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
103H	200+59.84	24.00 LT	211994.680	508999.350	--	820.14
104H	202+07.03	12.00 RT	212138.786	508952.024	--	819.62
105H	202+09.84	12.00 LT	212128.763	508930.038	--	820.16
106H	206+52.91	37.97 LT	212505.419	508691.886	--	813.48
107H	206+90.74	106.88 LT	212508.492	508613.250	--	815.15
108H	206+52.90	82.97 LT	212485.138	508651.715	45'	814.67

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2

N

HIMEBAUCH

SJOBLOM

POTTER

BEGIN CONSTRUCTION
STA 549+50.00 R/L LOLAND DR
MATCH EXISTING

R/L LOLAND DR

LOLAND DR

EXISTING R/W

EXISTING R/W

STA 217+90.00
END RECONSTRUCTION SECTION
CONTINUE WITH RESURFACING

END 20:1 SHOULDER TAPER
STA 217+90.00, 15.00' LT/RT

BEGIN 20:1 SHOULDER TAPER
STA 217+50.00, 17.00' LT/RT

PI: 215+41.46

PC: 219+11.37

PI: 221+29.49

PI: 548+96.53

+30.27
-12.00'

+80.06
-15.00'

+44.93
-15.00'

+94.73
-12.00'

WETLAND BOUNDARY, TYP

R/L STH 83

STA 229+97, LT
PE

MATCH LINE STA 215+00

MATCH LINE STA 230+00

PROPOSED R/W

PROPOSED R/W

EXISTING R/W

EXISTING R/W

EXISTING R/W

STA 221+42, RT
PE

STH 83

UTILITY EASEMENT

PT: 216+57.10

SLOPE INTERCEPT,
TYP

PT: 223+46.76

CLEANING CULVERT PIPES

CAUTION

STEFANICH

STA 222+10.15 R/L STH 83=
STA 550+08.77 R/L LOLAND DR

TYMUS & MARTI

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 50	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 11-pd
PLOT DATE : 10/20/2022 9:49 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

N

FURGER

POTTER

RADI

RADI

WETLAND BOUNDARY, TYP

STA 232+39.12 R/L STH 83=
STA 740+00.00 R/L NORTHWEST CIR

STA 231+00, LT
FE

STA 232+58, LT
PE

R/L STH 83

STA 238+50.00
END RESURFACE SECTION
BEGIN RECONSTRUCTION SECTION

END 20:1 SHOULDER TAPER
STA 238+90.00, 17.00' LT/RT

D4 STA 239+50, LT
FE, 13.4' WIDE

STH 83

EXISTING R/W

TLE

MATCH LINE STA 230+00

MATCH LINE STA 245+00

PC: 740+21.22

UTILITY EASEMENT

R/L NORTHWEST CIR

PI: 740+83.75

END CONSTRUCTION
STA 740+94.48 R/L NORTHWEST CIR
MATCH EXISTING

TYMUS & MARTI

PI: 741+44.52

PI: 742+02.06

NORTHWEST CIR

STA 238+56
1-48' CPRCHE CLASS HE-IV 24x38-INCH
2-AECPRCHE

BEGIN 20:1 SHOULDER TAPER
STA 238+50.00, 15.00' LT/RT

SLOPE INTERCEPT, TYP

CAUTION

CLEARWATER ACRES LLP

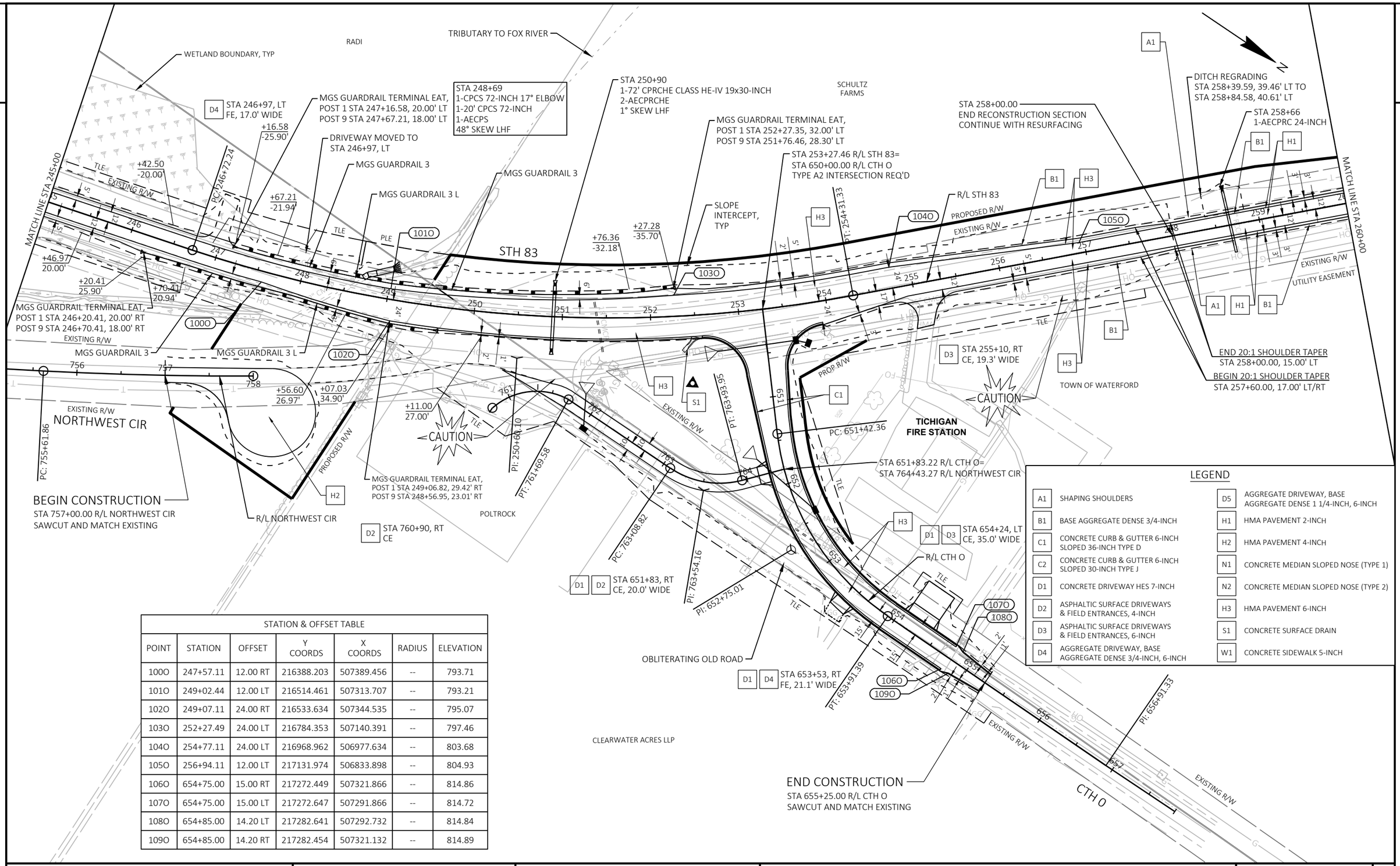
TRIBUTARY TO FOX RIVER

PC: 743+61.38

PI: 746+95.25

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 51	E

2

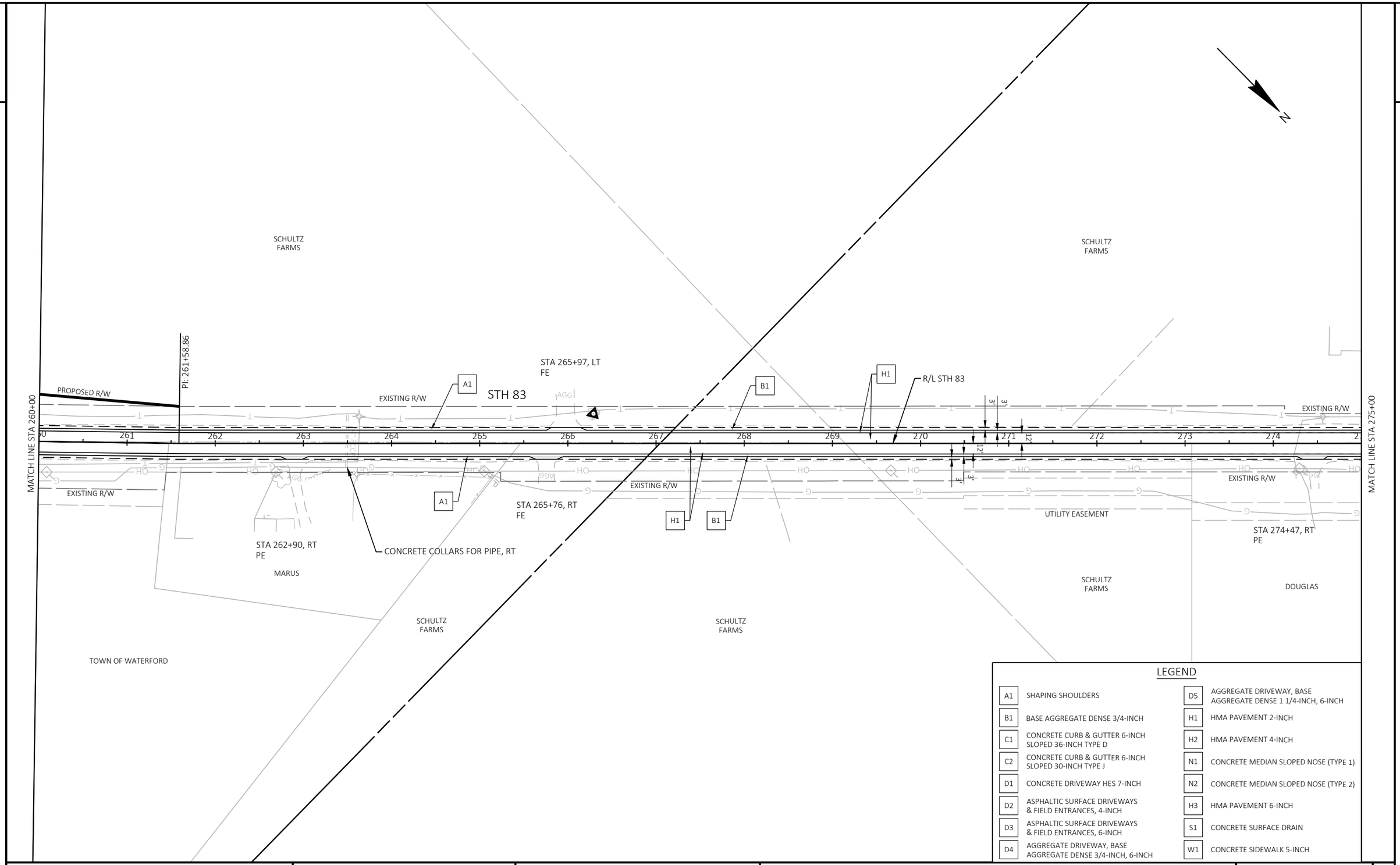


STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
100O	247+57.11	12.00 RT	216388.203	507389.456	--	793.71
101O	249+02.44	12.00 LT	216514.461	507313.707	--	793.21
102O	249+07.11	24.00 RT	216533.634	507344.535	--	795.07
103O	252+27.49	24.00 LT	216784.353	507140.391	--	797.46
104O	254+77.11	24.00 LT	216968.962	506977.634	--	803.68
105O	256+94.11	12.00 LT	217131.974	506833.898	--	804.93
106O	654+75.00	15.00 RT	217272.449	507321.866	--	814.86
107O	654+75.00	15.00 LT	217272.647	507291.866	--	814.72
108O	654+85.00	14.20 LT	217282.641	507292.732	--	814.84
109O	654+85.00	14.20 RT	217282.454	507321.132	--	814.89

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2



LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2

2

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

N

GREELEY DR

R/L GREELEY DR

BEGIN CONSTRUCTION
STA 713+63.41 R/L GREELEY DR
MATCH EXISTING

SCHULTZ FARMS

SCOTT

TRIBUTARY TO FOX RIVER

STH 83

R/L STH 83

STA 275+23, LT FE

STA 275+97, LT FE

STA 277+15, RT PE

MATCH LINE STA 275+00

MATCH LINE STA 290+00

RC: 279+73.76

PI: 281+18.14

PT: 282+62.50

+59.81 -12.00'

+70.39 -15.00'

+20.33 -12.00'

+71.06 -15.00'

+01.06 -18.00'

+59.41 -18.00'

+89.41 -15.00'

EXISTING R/W

UTILITY EASEMENT

STA 281+07.20 R/L STH 83=
STA 714+31.58 R/L GREELEY DR

DOUGLAS

WETLAND BOUNDARY, TYP

18" CMC

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 54	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 15-pd
PLOT DATE : 10/20/2022 9:50 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

PENSCO TRUST COMPANY FBO MARK KRUPP IRA

STA 292+00.00
END RESURFACE SECTION
BEGIN RECONSTRUCTION SECTION

WETLAND BOUNDARY, TYP

PC: 293+88.72

STH 83

EXISTING R/W

PROPOSED R/W

MATCH LINE STA 290+00

MATCH LINE STA 305+00

PC: 304+52.66

SLOPE INTERCEPT, TYP

PI: 304+19.50

TLE

EXISTING R/W

UTILITY EASEMENT

D2 STA 297+17, LT
PE, 12.0' WIDE

D4 STA 298+07, RT
PE, 19.7' WIDE

D4 STA 297+35, RT
PE, 20.4' WIDE

PI: 297+06.95

+49.64
23.94'

MGS GUARDRAIL 3

MGS GUARDRAIL TERMINAL EAT,
POST 1 STA 299+00.00, 22.00' RT
POST 9 STA 299+49.50, 20.00' RT

+50.59
17.00'

+27.23
20.00'

+00.00
27.90'

END 20:1 SHOULDER TAPER
STA 292+40.00, 17.00' LT/RT

BEGIN 20:1 SHOULDER TAPER
STA 292+00.00, 15.00' LT/RT

R/L STH 83

CAUTION

WESTERN RACINE
COUNTY
SEWERAGE DISTRICT

SCHULTZ

BALLARD

WESTERN RACINE
COUNTY
SEWERAGE DISTRICT

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 55	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 16-pd

PLOT DATE : 10/20/2022 9:50 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

PI: 312+45.37

SANCHEZ - HANSON TRUST

STA 308+54
1-52' CPRCHE CLASS HE-IV 19x30-INCH
2-AECPRCHE
16° SKEW LHF

PRAGER TRUST

D3 STA 307+35, LT
CE, 35.0' WIDE

SLOPE INTERCEPT, TYP

PROPOSED R/W

STH 83

B1 H3

D4 STA 305+90, LT
PE

PROPOSED R/W

EXISTING R/W

306 307 308 309 310 311 312 313 314 315 316 317 318 319

EXISTING R/W

D4 STA 318+21, LT
FE, 20.0' WIDE

MATCH LINE STA 305+00

PROPOSED R/W

R/L STH 83

+91.10
20.00'

+21.01
17.00'

CAUTION

H3 B1

SANCHEZ - HANSON TRUST

EXISTING R/W

MATCH LINE STA 320+00

TLE

+20.00
23.94'

MGS GUARDRAIL TERMINAL EAT,
POST 1 STA 306+70.35, 22.00' RT
POST 9 STA 306+20.01, 20.00' RT

+70.35
27.90'

WETLAND BOUNDARY

STA 318+43
1-55' CPRC CLASS IV 24-INCH
2-AECPRC

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2

N

KLAWITTER

SANCHEZ

FLINTROP

SLOPE INTERCEPT, TYP

STA 323+36, LT
PE

D4 STA 321+83, LT
PE 15.7' WIDE
1-36' CPCS 21-INCH
2-AECPS

STA 323+00.00
END RECONSTRUCTION SECTION
CONTINUE WITH RESURFACING

CONCRETE COLLARS FOR PIPE, LT

R/L STH 83

A1

STA 329+02, LT
PE

EXISTING R/W

STH 83

B1 H1

PT: 320+00.27

B1 H3

PROPOSED R/W

MATCH LINE STA 320+00

MATCH LINE STA 335+00

321 322 323 324 325 326 327 328 329 330 331 332 333 334

EXISTING R/W

UTILITY EASEMENT

PROPOSED R/W

H3 B1 BEGIN 20:1 SHOULDER TAPER
STA 322+60.00, 17.00' LT/RT

END 20:1 SHOULDER TAPER
STA 323+00.00, 15.00' LT/RT

CAUTION

SANCHEZ - HANSON TRUST

A1

STA 328+95, RT
FE

FLINTROP

B1 H1

STA 333+17, RT
PE

NEARY

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

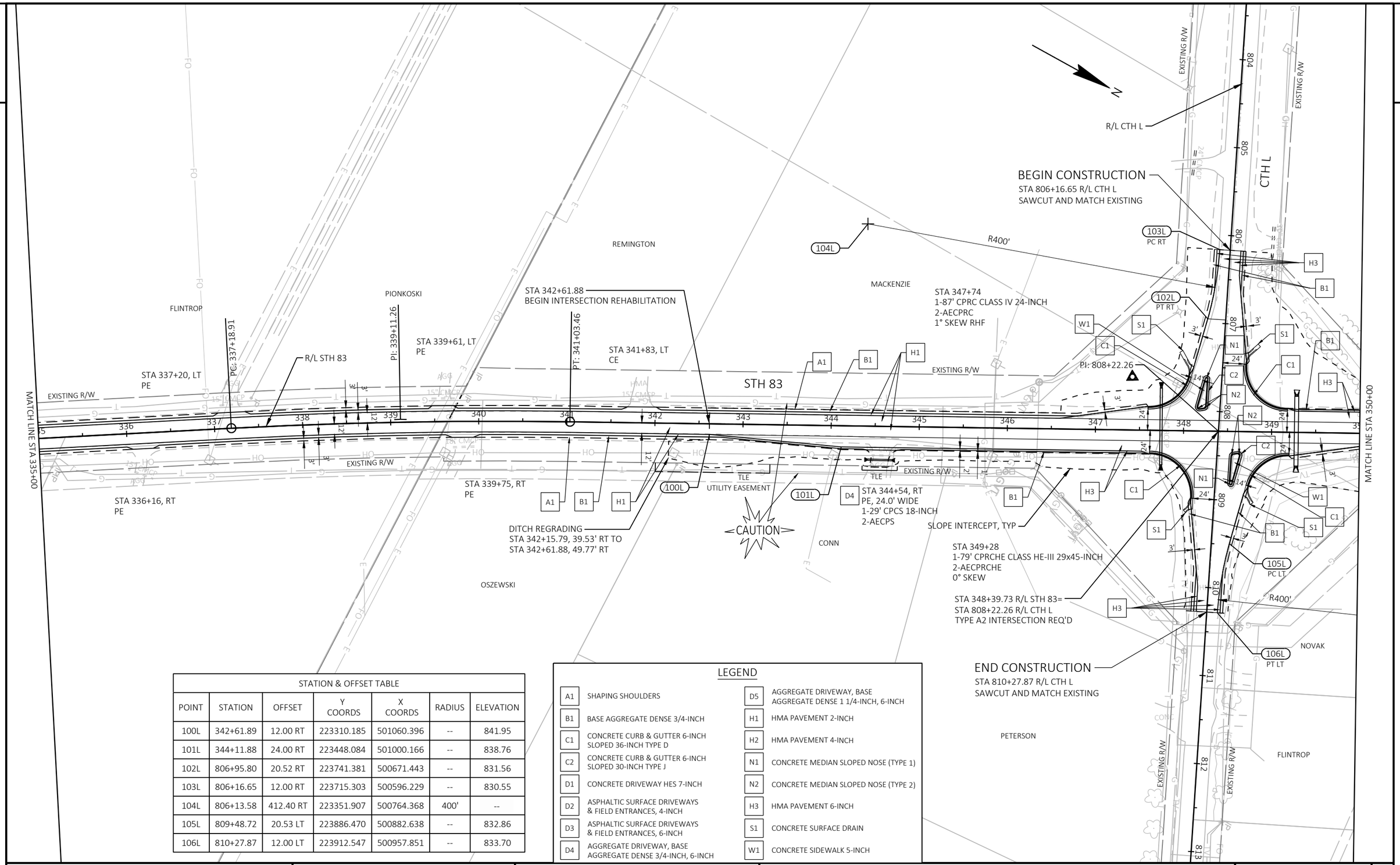
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 57	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 18-pd

PLOT DATE : 10/20/2022 9:50 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
100L	342+61.89	12.00 RT	223310.185	501060.396	--	841.95
101L	344+11.88	24.00 RT	223448.084	501000.166	--	838.76
102L	806+95.80	20.52 RT	223741.381	500671.443	--	831.56
103L	806+16.65	12.00 RT	223715.303	500596.229	--	830.55
104L	806+13.58	412.40 RT	223351.907	500764.368	400'	--
105L	809+48.72	20.53 LT	223886.470	500882.638	--	832.86
106L	810+27.87	12.00 LT	223912.547	500957.851	--	833.70

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2

2

MATCH LINE STA 350+00

MATCH LINE STA 365+00

GAUGER

GAUGER

BURGAD

SLOPE INTERCEPT, TYP

STA 354+17.59
END INTERSECTION REHABILITATION

D4 STA 351+54, LT
CE, 34.0' WIDE

B1

H3

TLE

108L

109L

PI: 353+44.41

R/L STH 83

STA 362+40, LT
PE

A1

B1

H1

PROPOSED R/W

EXISTING R/W

STH 83

EXISTING R/W

EXISTING R/W

UTILITY EASEMENT

STA 357+06, RT
PE

PC: 352+21.76

PT: 354+67.03

STA 350+82, RT
CE

CAUTION

WETLAND BOUNDARY, TYP

GREENWALD

DSPF REAL ESTATE

R400'

107L

HINTZ

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
107L	810+30.92	411.99 LT	224275.563	500789.865	400'	--
108L	352+67.57	24.00 LT	224180.022	500553.987	--	832.61
109L	354+17.59	12.00 LT	224319.592	500496.457	--	830.29

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

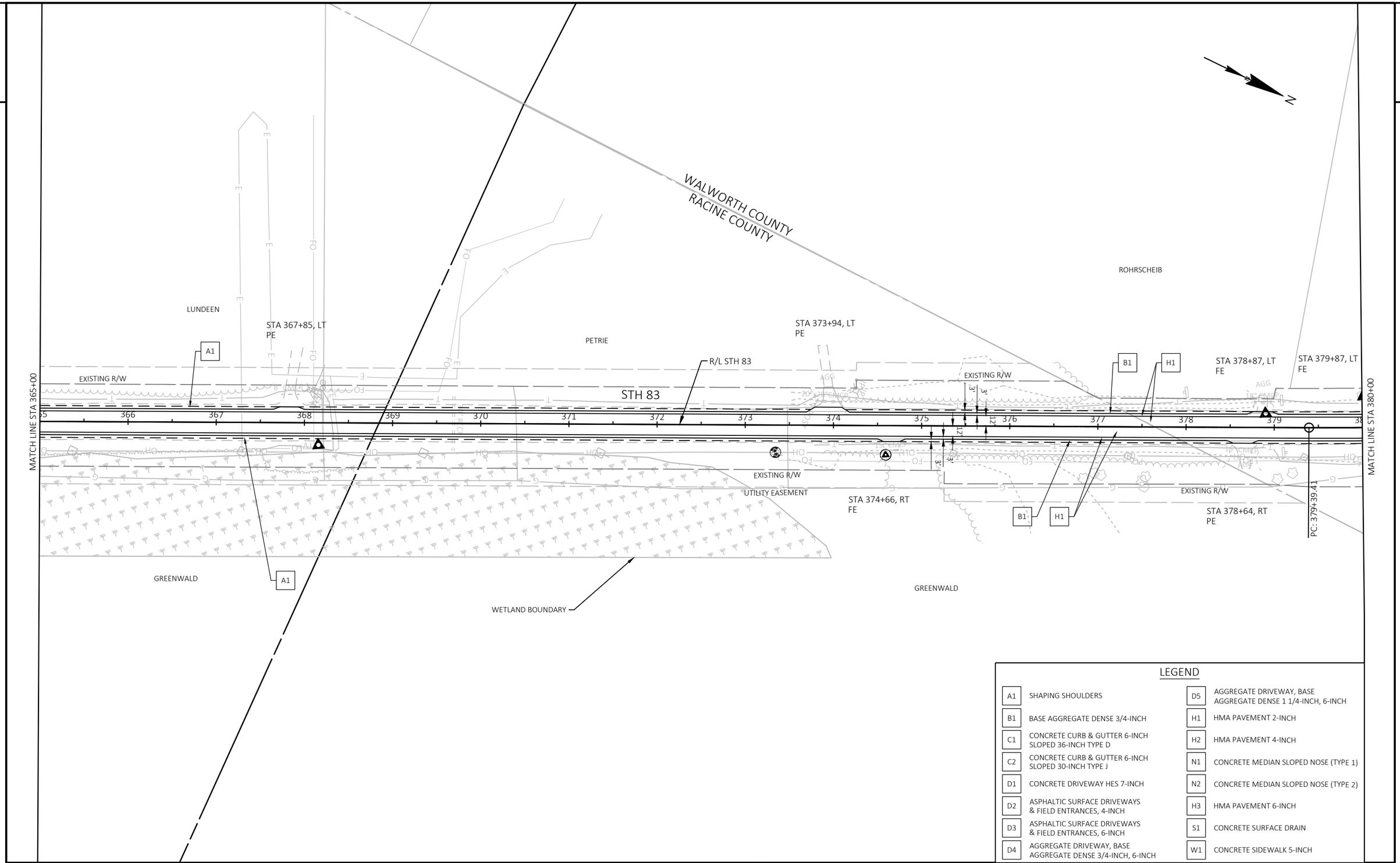
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 59	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 20-pd

PLOT DATE : 10/20/2022 9:50 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2

2

N

VILLAGE OF MUKWONAGO

MS21 HOLDINGS LLC

PORTER

WETLAND BOUNDARY, TYP

STA 387+80, LT
FE

PT: 388+82.72

R/L STH 83

B1

H1

EXISTING R/W

+75.05
12.00'

STH 83

MATCH LINE STA 380+00

MATCH LINE STA 395+00

380 381 382 383 384 385 386 387 388 389 390 391 392 393 394

12 3 3

A1

EXISTING R/W

EXISTING R/W

A1

STA 383+05, RT
PE

+59.60
12.00'

STA 383+45, RT
PE

PI: 384+13.46

UTILITY EASEMENT

SEE PROJECT ID 1300-09-71

H1

EXISTING R/W

TLE

VILLAGE OF MUKWONAGO

PREMEAU

PORTER

GREENWALD

WALWORTH COUNTY
RACINE COUNTY

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 61	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 22-pd

PLOT DATE : 10/20/2022 9:51 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

PC: 910+30.87

PT: 910+93.64

911

912

913

914

915

R/L W BOXHORN DR

EXISTING R/W

W BOXHORN DR

EXISTING R/W

QUERNEMOEN MUKWONAGO LLC

WALWORTH COUNTY
WAUKESHA COUNTY

PITTS

BEGIN CONSTRUCTION
STA 914+18.66 R/L W BOXHORN DR
MATCH EXISTING

H1

+45.24
-28.19'

+46.65
-28.22'

PI: 397+59.51

A1

B1

H1

1'

2'

27'

EXISTING R/W

STA 400+67, LT
CE

+96.28
-28.09'

R/L STH 83

+76.53
-12.00'

STH 83

H1

12'

PROPOSED R/W

EXISTING R/W

MATCH LINE STA 395+00

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

12'

12'

EXISTING R/W

MATCH LINE STA 410+00

EXISTING R/W

TLE

UTILITY EASEMENT

PROPOSED R/W

H1

STA 396+29.85 R/L STH 83=
STA 915+32.08 R/L W BOXHORN DR

SEE PROJECT ID 1300-09-71

PITTS

VILLAGE OF MUKWONAGO

PITTS

N

LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

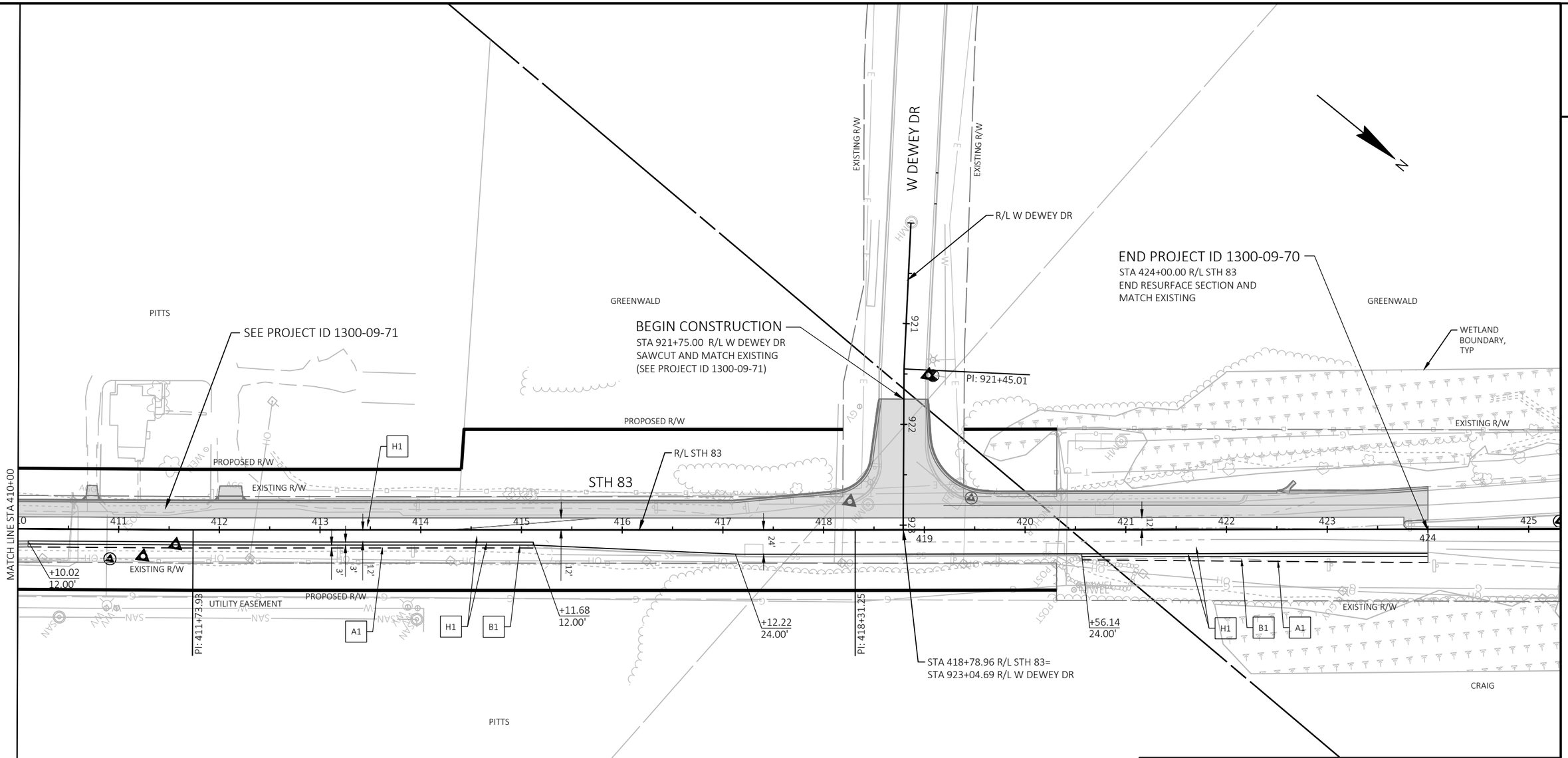
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN DETAILS	SHEET 62	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 23-pd

PLOT DATE : 10/20/2022 9:51 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

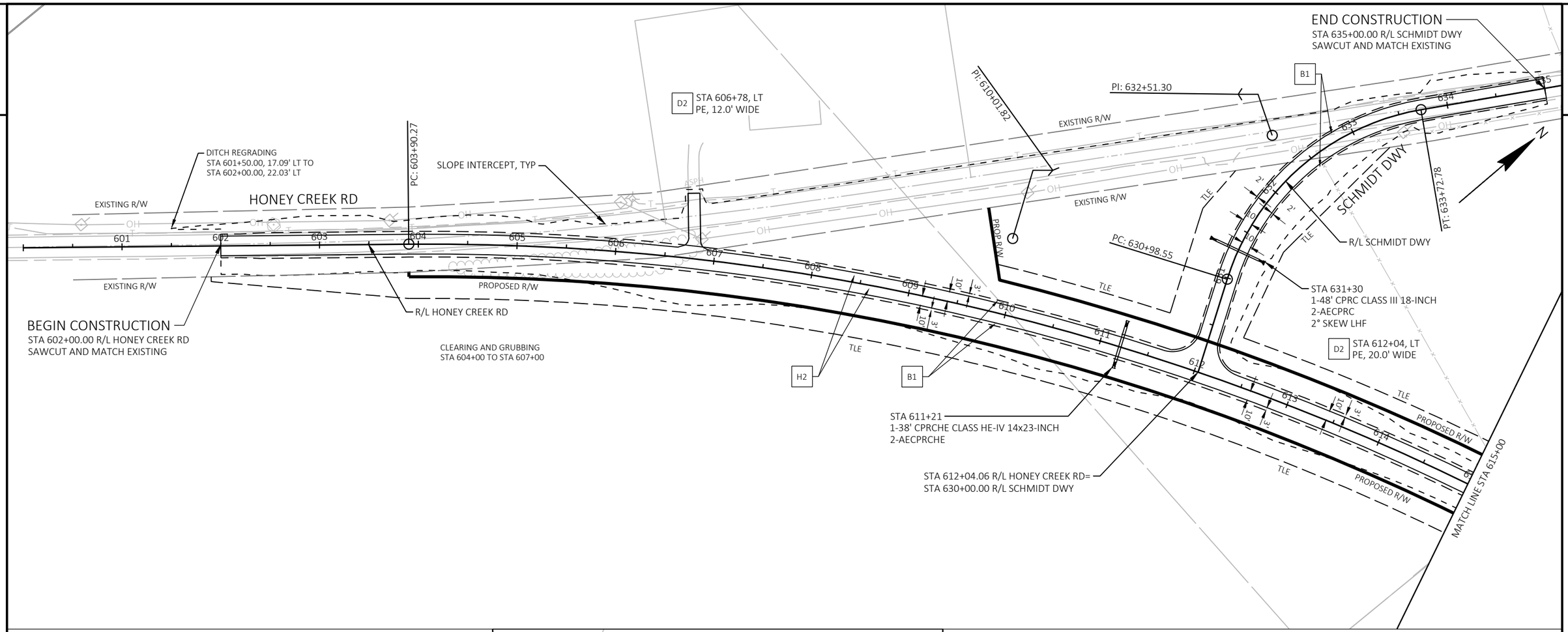
WISDOT/CADDS SHEET 42

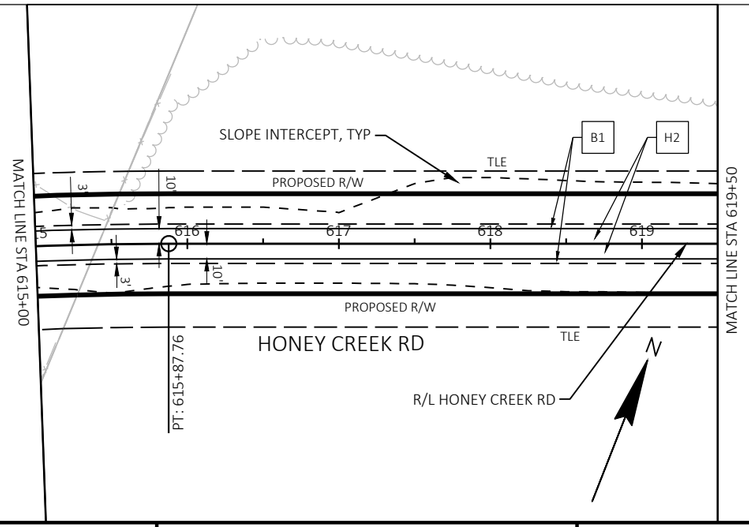
2



LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH





LEGEND

A1	SHAPING SHOULDERS	D5	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
B1	BASE AGGREGATE DENSE 3/4-INCH	H1	HMA PAVEMENT 2-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	H2	HMA PAVEMENT 4-INCH
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	N1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
D1	CONCRETE DRIVEWAY HES 7-INCH	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
D2	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 4-INCH	H3	HMA PAVEMENT 6-INCH
D3	ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES, 6-INCH	S1	CONCRETE SURFACE DRAIN
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH	W1	CONCRETE SIDEWALK 5-INCH

2

2

BEGIN PROJECT ID 1300-09-70
STA 66+29.00 R/L STH 83

STH 83

R/L STH 83

EXISTING R/W

EXISTING R/W

EXISTING R/W

EXISTING R/W

REMOVING SMALL PIPE CULVERTS

R/L PARK DR

PARK DR

MATCH LINE STA 81+00

MATCH LINE STA 81+00

MATCH LINE STA 96+00

HMA

TLE

XXXXXXXXXXXXXX

XXXX

XXXXXX

24" RCP

66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

11

12

LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXX SAWING ASPHALT
- SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 65	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 01-rm

PLOT DATE : 10/20/2022 11:24 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

MATCH LINE STA 96+00

REMOVING SMALL PIPE CULVERTS

TLE

STH 83

EXISTING R/W

EXISTING R/W

TLE

R/L STH 83

MATCH LINE STA 111+00

N

LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXX SAWING ASPHALT
- AAAAAAAAAA SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

MAMEROW'S LN

R/L MAMEROW'S LN

WETLAND BOUNDARY, TYP

MATCH LINE STA 111+00

R/L STH 83

EXISTING R/W

EXISTING R/W

STH 83

EXISTING R/W

EXISTING R/W

CLEARING AND GRUBBING STA 125+00 TO STA 126+00, LT

TLE

MATCH LINE STA 126+00

NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

2

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 66	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 02-rm
PLOT DATE : 10/20/2022 11:24 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXXX SAWING ASPHALT
- AAAAAAAAAAA SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

N

WETLAND BOUNDARY, TYP

CLEARING AND GRUBBING
STA 128+00 TO STA 130+00, LT & RT
STA 34+00 TO STA 34+50, RT

HILL VALLEY DR

R/L HILL VALLEY DR

MATCH LINE STA 126+00

EXISTING R/W

STH 83

R/L STH 83

TLE

MATCH LINE STA 141+00

12" CMCP

REMOVING SMALL PIPE CULVERTS

HMOD DF9858, DO NOT DISTURB

MATCH LINE STA 156+00

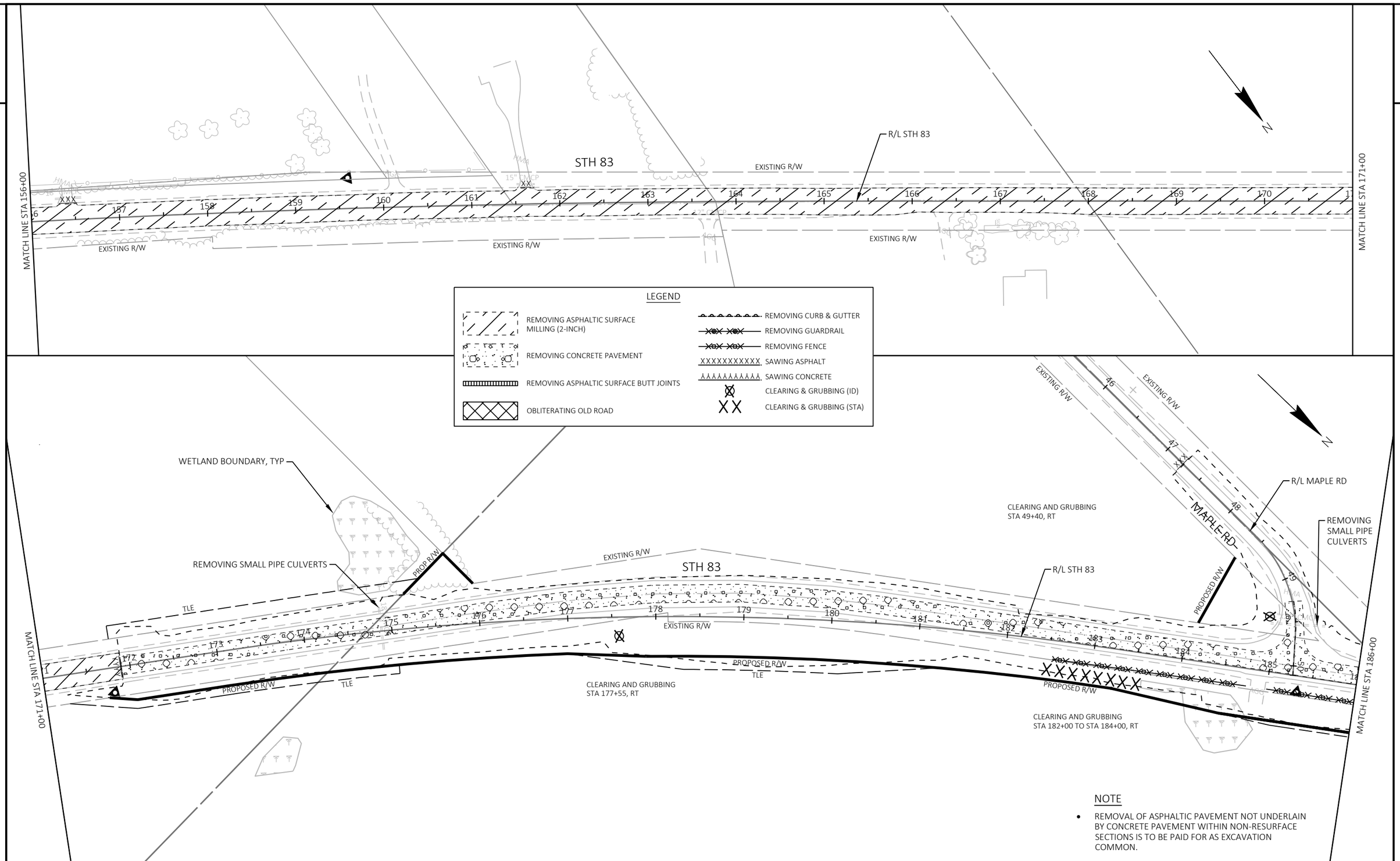
NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 67	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 03-rm
PLOT DATE : 10/20/2022 11:24 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 68	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 04-rm
PLOT DATE : 10/20/2022 11:24 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 186+00

MATCH LINE STA 620+00

WETLAND BOUNDARY, TYP

CLEARING AND GRUBBING
STA 187+00 TO STA 188+00, LT

PROPOSED R/W

EXISTING R/W

TLE

STH 83

R/L STH 83

187 188 189 190 191 192 193 194 195 196 197 198 199 200

TLE

PROPOSED R/W

REMOVING SMALL PIPE CULVERTS

CLEARING AND GRUBBING
STA 189+00 TO STA 192+00, RT

TLE

PROPOSED R/W

REMOVING SMALL PIPE CULVERTS

MATCH LINE STA 200+00

TLE

PROPOSED R/W

621

621

CLEARING AND GRUBBING
STA 621+00 TO STA 622+00, LT

N

CLEARING AND GRUBBING
STA 198+00 TO STA 205+00, LT & RT

LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXX SAWING ASPHALT
- SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

CLEARING AND GRUBBING
STA 198+00 TO STA 205+00, LT & RT

EXISTING R/W

EXISTING R/W

EXISTING R/W

REMOVING SMALL PIPE CULVERTS

REMOVING SMALL PIPE CULVERTS

R/L STH 83

CLEARING AND GRUBBING
STA 208+00 TO STA 214+00, LT

TLE

TLE

TLE

TLE

PROPOSED R/W

EXISTING R/W

STH 83

MATCH LINE STA 200+00

201 202 203 204 205 206 207 208 209 210 211 212 213 214 215

PROPOSED R/W

PROPOSED R/W

MATCH LINE STA 215+00

CLEARING AND GRUBBING
STA 206+00 TO STA 207+00, RT

N

NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 69	E

2

LOLAND DR

EXISTING R/W

WETLAND BOUNDARY, TYP

N

R/L LOLAND DR

R/L STH 83

STH 83

EXISTING R/W

PROPOSED R/W

MATCH LINE STA 215+00

216 217 218 219 220 221 222 223 224 225 226 227 228 229

EXISTING R/W

PROPOSED R/W

SEPTIC FIELD

CLEARING AND GRUBBING
STA 228+02, RT

EXISTING R/W

MATCH LINE STA 230+00

LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXX SAWING ASPHALT
- XXXXXXXXXX SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

N

R/L STH 83

STH 83

EXISTING R/W

MATCH LINE STA 230+00

230 231 232 233 234 235 236 237 238 239 240 241 242 243 244

EXISTING R/W

EXISTING R/W

TLE

TLE

MATCH LINE STA 245+00

REMOVING SMALL PIPE CULVERTS

REMOVING HEIGHT MODERNIZATION GEODETIC SURVEY MONUMENT
(HMOD DF9860)

R/L NORTHWEST CIR

NORTHWEST CIR

741 742 743

EXISTING R/W

752 753 754 755

EXISTING R/W

NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 70	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 06-rm

PLOT DATE : 10/20/2022 11:24 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

MATCH LINE STA 245+00

CLEARING AND GRUBBING
STA 249+00 TO STA 250+00, LT

TRIBUTARY TO FOX RIVER

REMOVING SMALL PIPE CULVERTS

R/L STH 83

PROPOSED R/W

EXISTING R/W

STH 83

NORTHWEST CIR

CLEARING AND GRUBBING
STA 762+00 TO STA 764+00

REMOVING SMALL PIPE CULVERTS

+18.83
-39.08' LT

+73.67
-30.58' LT

CTH O

MATCH LINE STA 260+00

MATCH LINE STA 275+00

NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- SAWING ASPHALT
- SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 71	E

2

2

LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- SAWING ASPHALT
- SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

N

R/L GREELEY DR

GREELEY DR

710 711 712 713 714

STH 83

R/L STH 83

EXISTING R/W

EXISTING R/W

EXISTING R/W

18" CMCP

MATCH LINE STA 275+00

MATCH LINE STA 290+00

276 277 278 279 280 281 282 283 284 285 286 287 288 289 290

SEE CONSTRUCTION DETAILS - WILLOW CREEK RANCH TREE REMOVAL FOR LOCATIONS STA 296+00 TO STA 303+00

MATCH LINE STA 290+00

MATCH LINE STA 305+00

STH 83

R/L STH 83

EXISTING R/W

EXISTING R/W

PROPOSED R/W

PROPOSED R/W

TLE

CLEARING AND GRUBBING STA 304+00 TO STA 308+00

XXXX

291 292 293 294 295 296 297 298 299 300 301 302 303 304 305

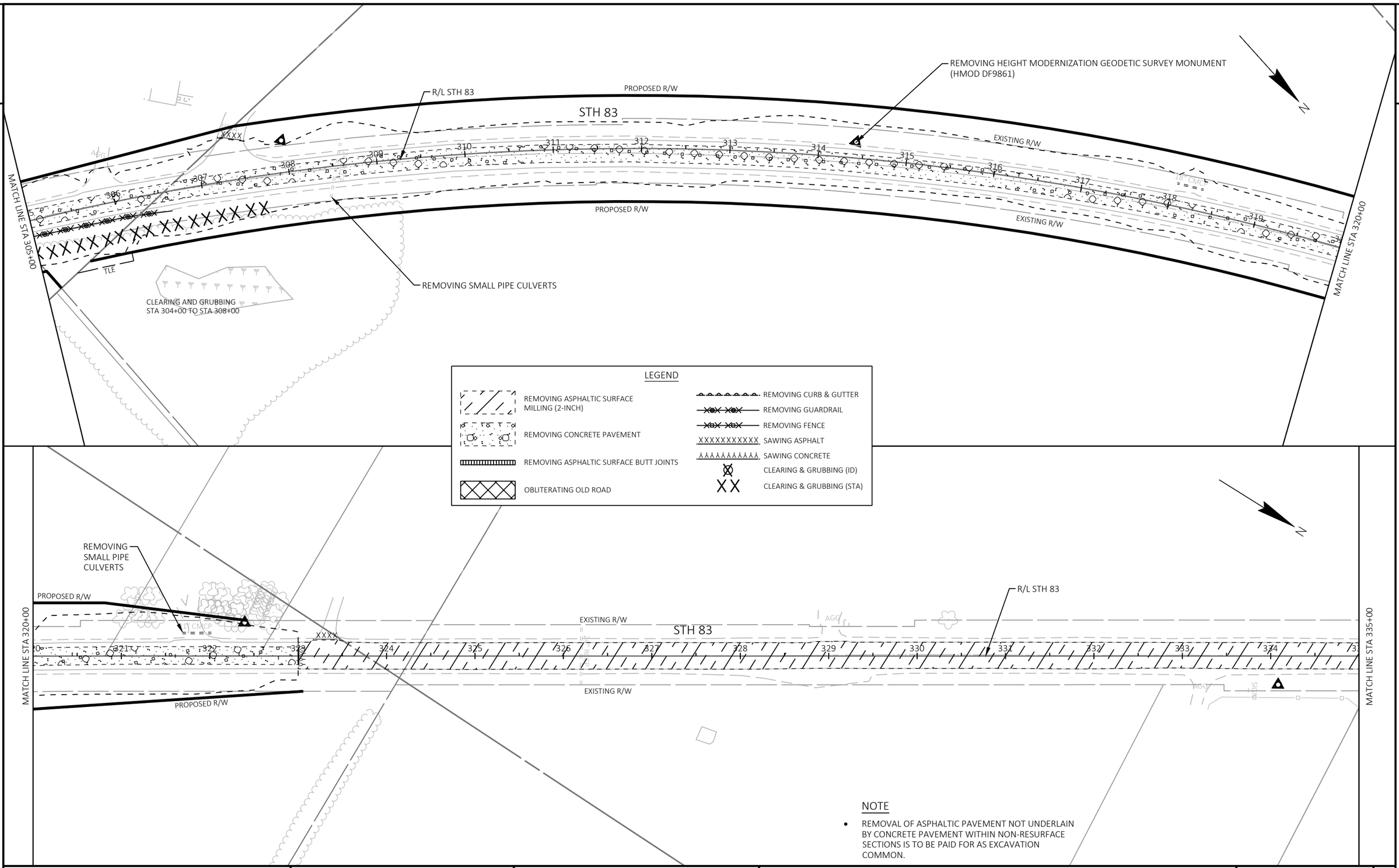
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NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 72	E

2



NOTE

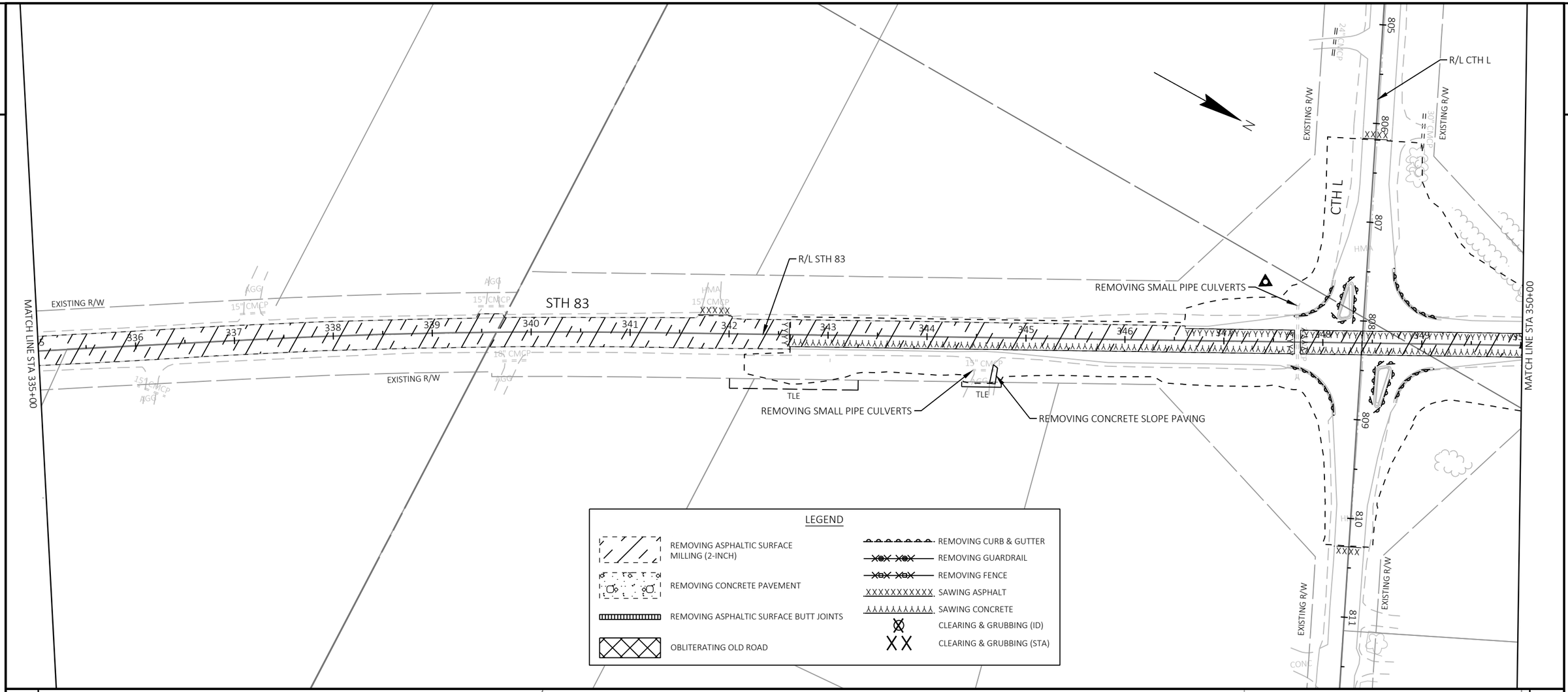
- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

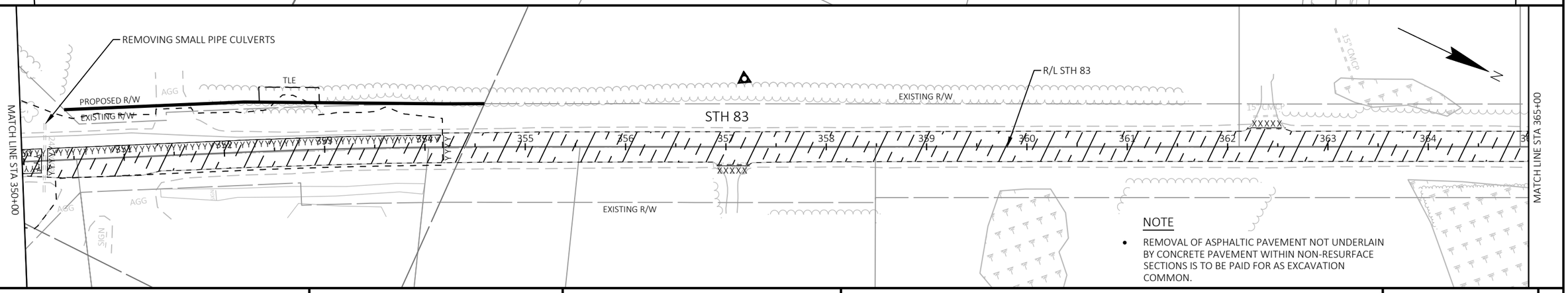
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 73	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 09-rm

PLOT DATE : 10/20/2022 11:25 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42





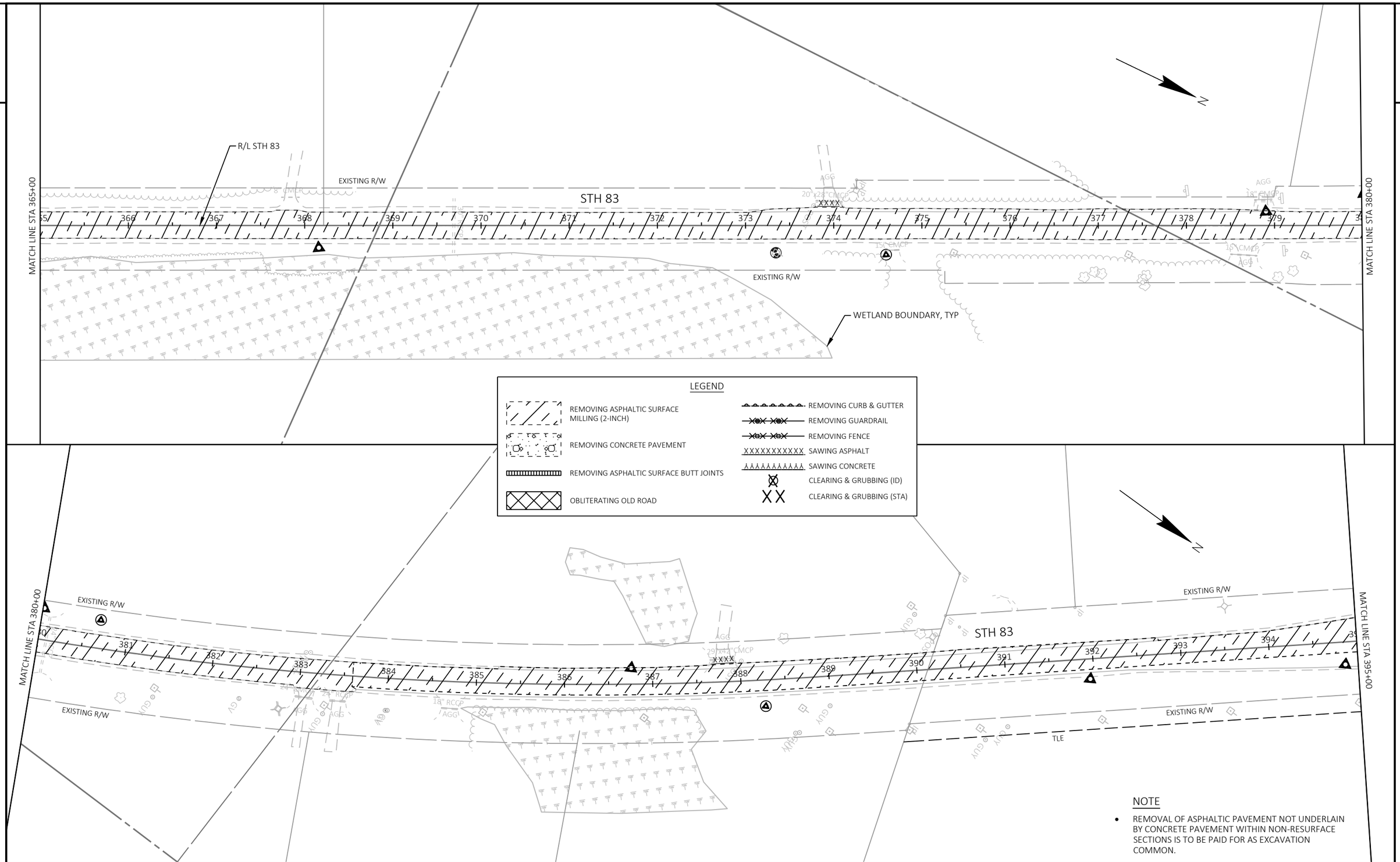
NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 74	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 10-rm
PLOT DATE : 10/20/2022 11:25 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXX SAWING ASPHALT
- SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 75	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 11-rm
PLOT DATE : 10/20/2022 11:25 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

W BOXHORN DR

EXISTING R/W

913

914

915

R/L W BOXHORN DR

EXISTING R/W

MATCH LINE STA 395+00

STH 83

R/L STH 83

EXISTING R/W

PROPOSED R/W

EXISTING R/W

396 397 398 399 400 401 402 403 404 405 406 407 408 409

EXISTING R/W

EXISTING R/W

PROPOSED R/W

EXISTING R/W

TLE

MATCH LINE STA 410+00

LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXX SAWING ASPHALT
- AAAAAAAAAA SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

END PROJECT ID 1300-09-70

STA 424+00.00 R/L STH 83

EXISTING R/W

921

W DEWEY DR

EXISTING R/W

R/L W DEWEY DR

922

PROPOSED R/W

PROPOSED R/W

EXISTING R/W

PROPOSED R/W

STH 83

EXISTING R/W

410 411 412 413 414 415 416 417 418 419 420 421 422 423 424

EXISTING R/W

EXISTING R/W

PROPOSED R/W

R/L STH 83

MATCH LINE STA 410+00

MATCH LINE STA 425+00

NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

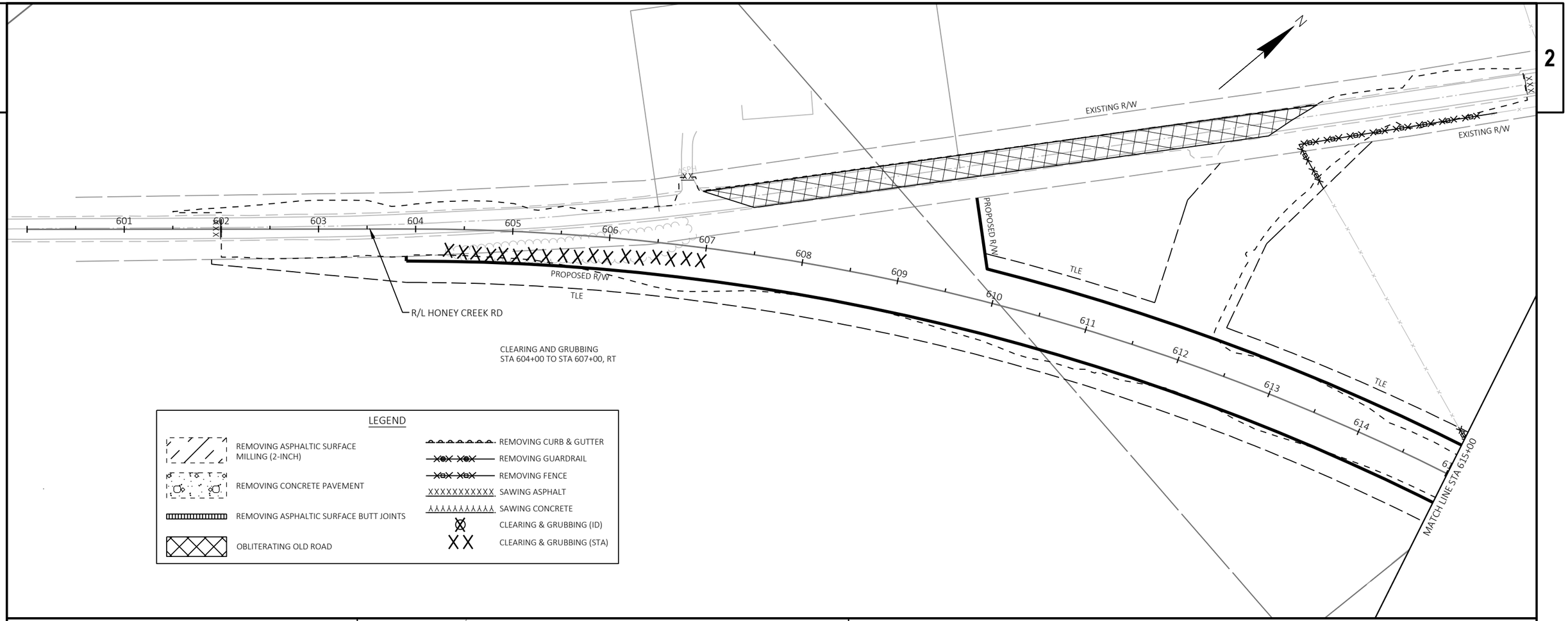
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	REMOVAL PLANS	SHEET 76	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 12-rm

PLOT DATE : 10/20/2022 11:26 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

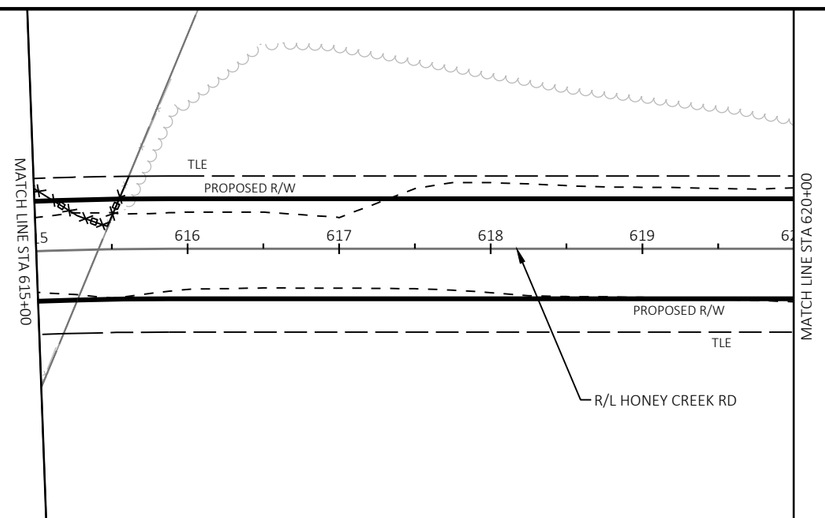
WISDOT/CADDS SHEET 42

2



LEGEND

- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE BUTT JOINTS
- OBLITERATING OLD ROAD
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXX SAWING ASPHALT
- ΛΛΛΛΛΛΛΛΛΛ SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)



NOTE

- REMOVAL OF ASPHALTIC PAVEMENT NOT UNDERLAIN BY CONCRETE PAVEMENT WITHIN NON-RESURFACE SECTIONS IS TO BE PAID FOR AS EXCAVATION COMMON.

BEGIN PROJECT ID 1300-09-70
STA 66+29.00 R/L STH 83

STH 83

EXISTING R/W

SLOPE INTERCEPT, TYP

TLE

R/L STH 83

MATCH LINE STA 81+00

PARK DR

R/L PARK DR

24" RCP

HMA

15" CMCP

18" CMCP

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- SILT FENCE DOUBLE STAKED
- EROSION BALES
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE X)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE RELIEF
- SURFACE WATER FLOW

MATCH LINE STA 96+00

NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 78	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 01-ec
PLOT DATE : 10/20/2022 10:59 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 96+00

R/L STH 83

EXISTING R/W

STH 83

SLOPE INTERCEPT, TYP

TLE

EXISTING R/W

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- SILT FENCE DOUBLE STAKED
- EROSION BALES
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE X)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE RELIEF
- SURFACE WATER FLOW

WETLAND BOUNDARY, TYP

EXISTING R/W

HILL VALLEY DR

R/L HILL VALLEY DR

EXISTING R/W

STH 83

R/L STH 83

SLOPE INTERCEPT, TYP

EXISTING R/W

TLE

EXISTING R/W

TLE

EXISTING R/W

EXISTING R/W

NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

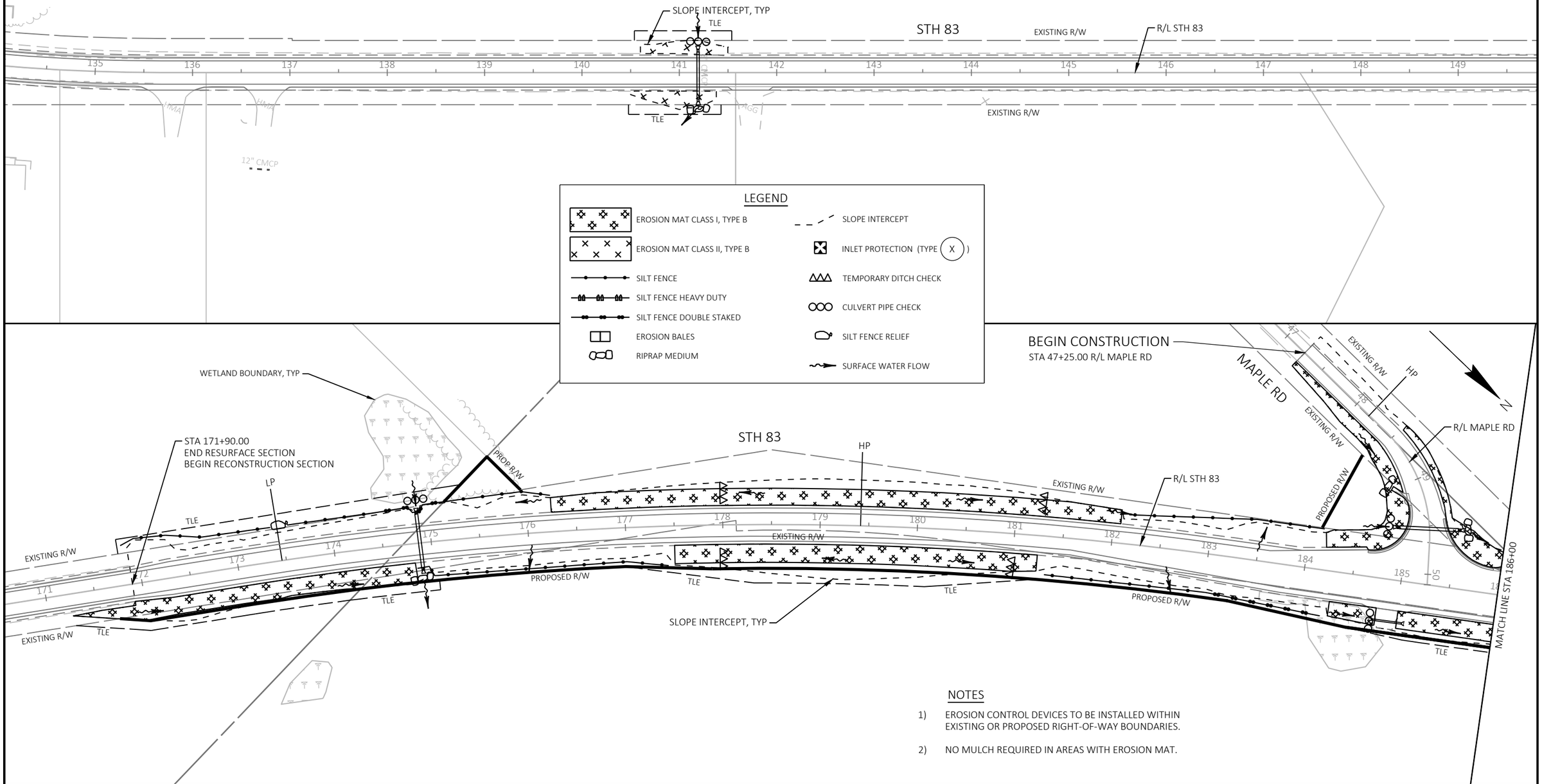
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 79	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 02-ec

PLOT DATE : 10/20/2022 10:59 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



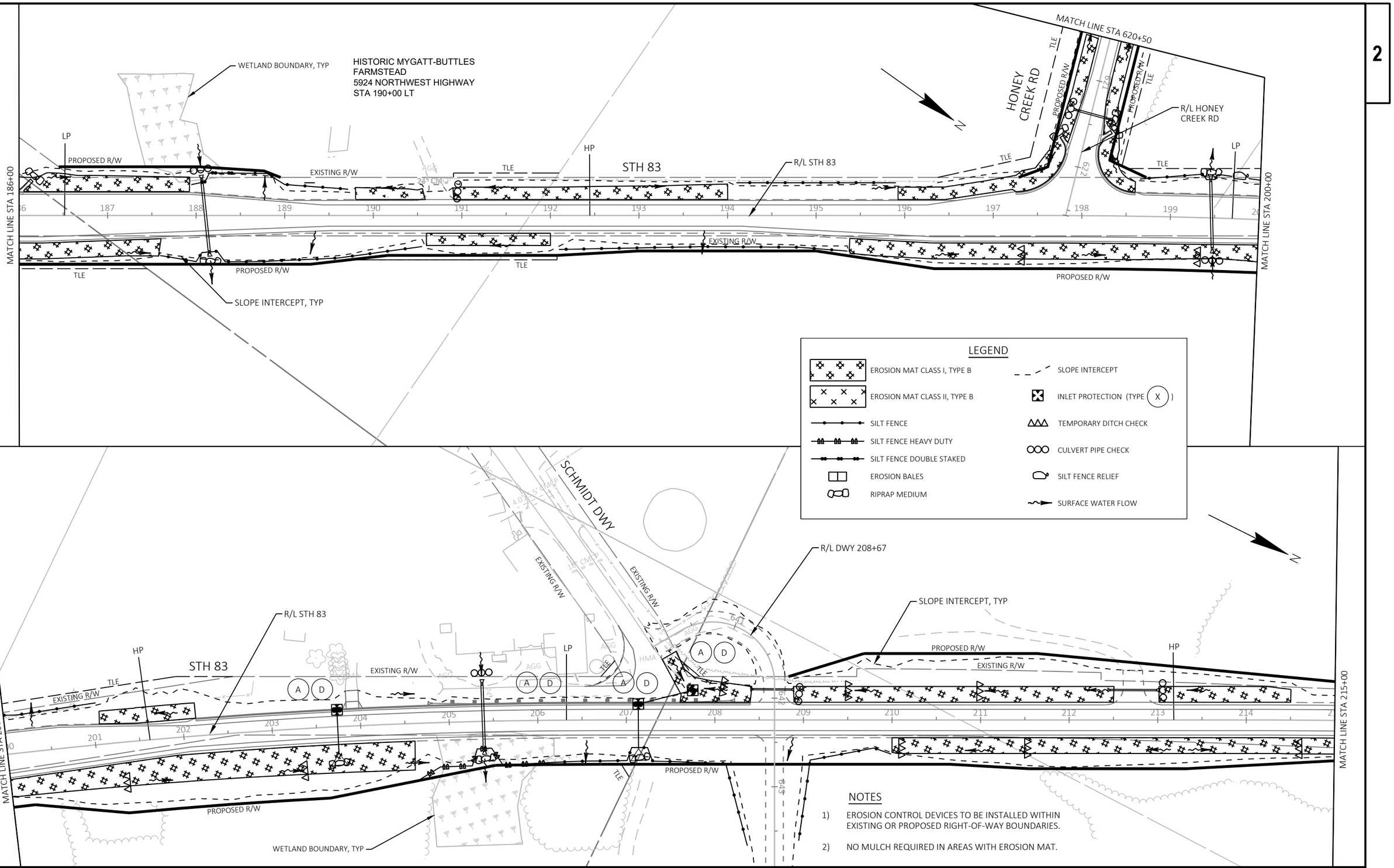
NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 80	E

2



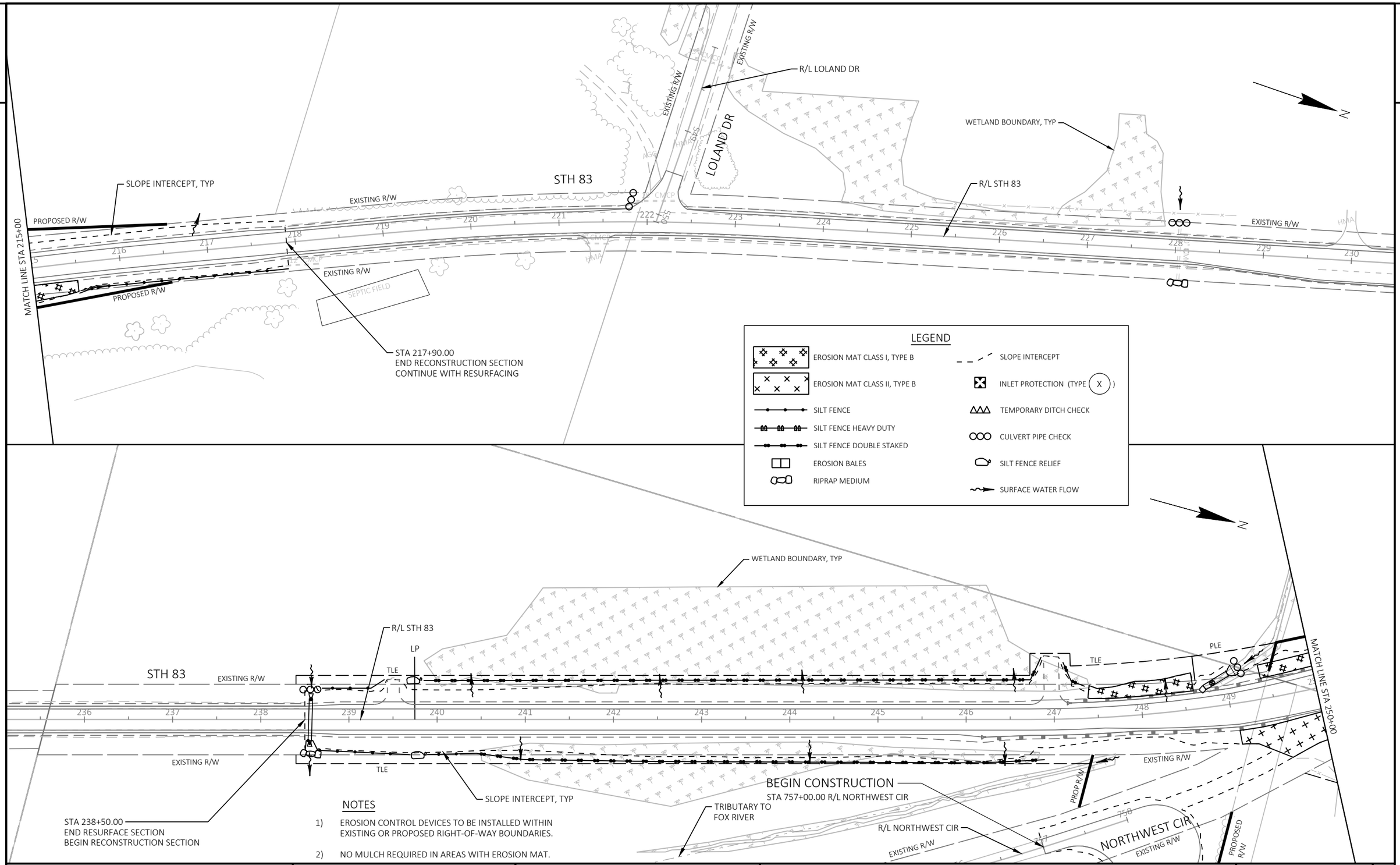
NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 81	E

2



NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 82	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 05-ec
PLOT DATE : 10/20/2022 11:01 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

TRIBUTARY TO FOX RIVER

WETLAND BOUNDARY

SLOPE INTERCEPT, TYP

HP

R/L STH 83

STH 83

PROPOSED R/W

EXISTING R/W

PROPOSED R/W

EXISTING R/W

MATCH LINE STA 250+00

TLE

STA 258+00.00
END RECONSTRUCTION SECTION
CONTINUE WITH RESURFACING

CTH O

PROP R/W

NORTHWEST CIR

R/L NORTHWEST CIR

R/L CTH O

END CONSTRUCTION
STA 655+25.00 R/L CTH O

EXISTING R/W

EXISTING R/W

NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

LEGEND

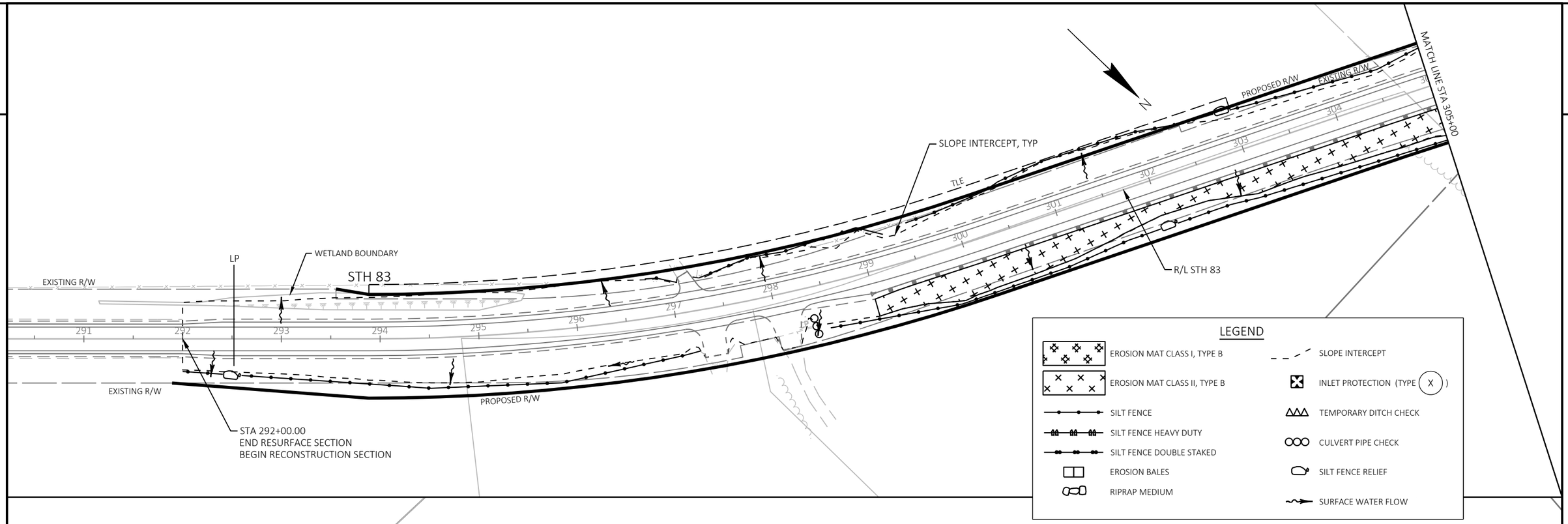
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- SILT FENCE DOUBLE STAKED
- EROSION BALES
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE X)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE RELIEF
- SURFACE WATER FLOW

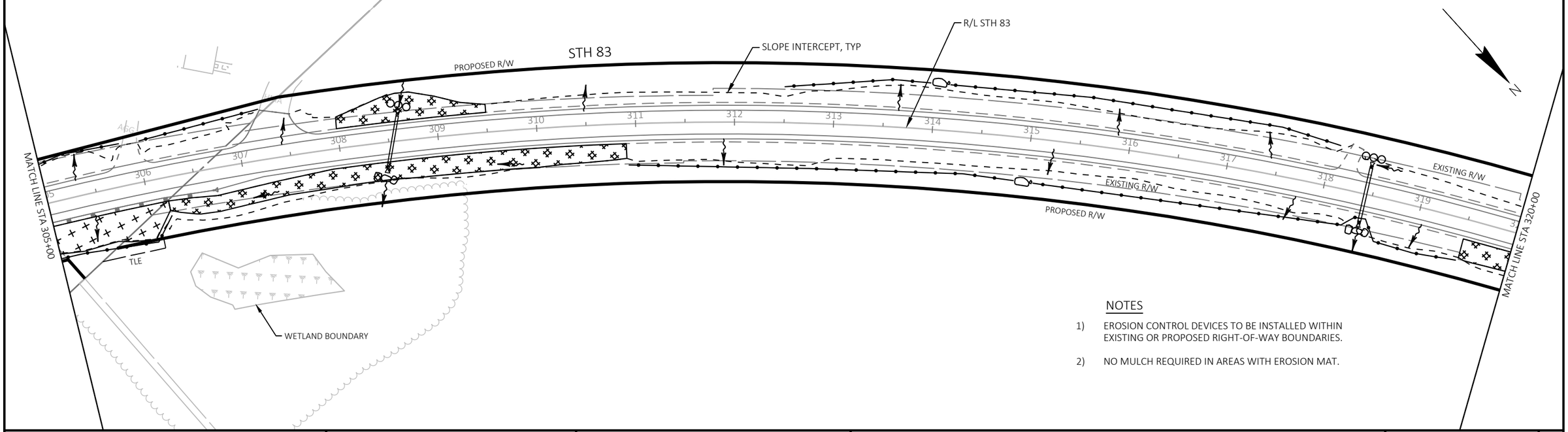
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 83	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 06-ec

PLOT DATE : 10/20/2022 11:01 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2





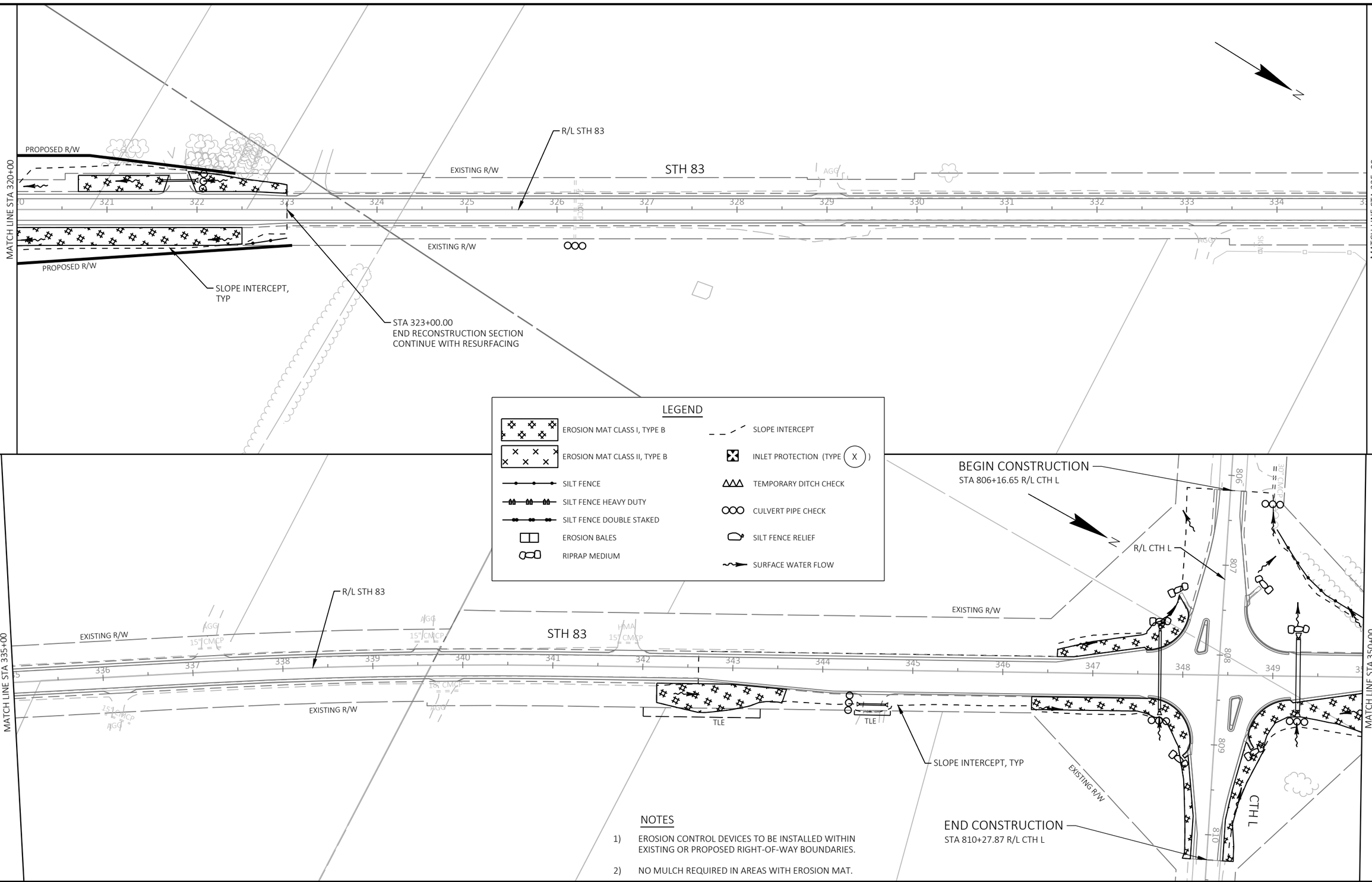
NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 84	E

2



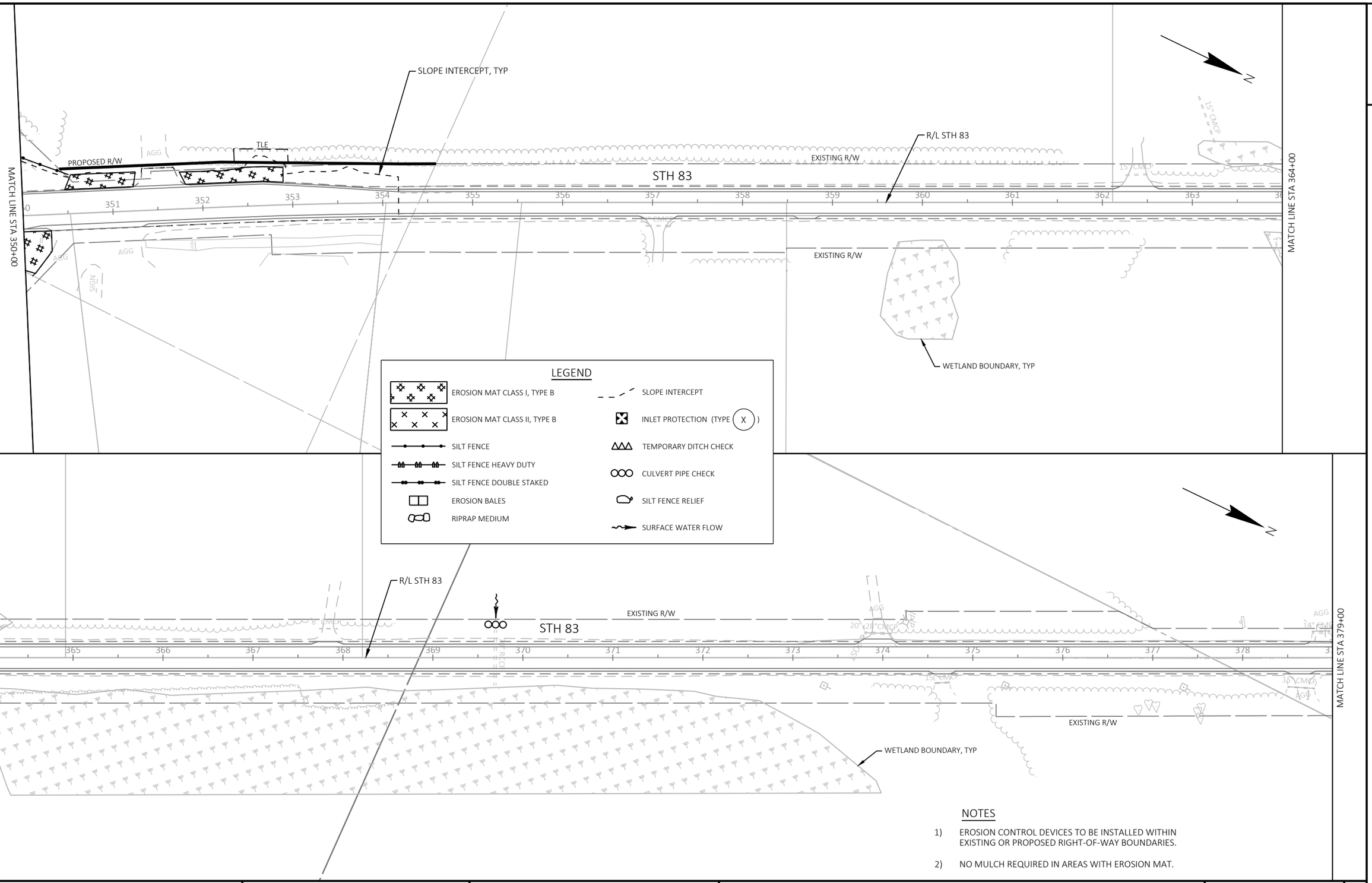
NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 85	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 08-ec
PLOT DATE : 10/20/2022 11:02 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

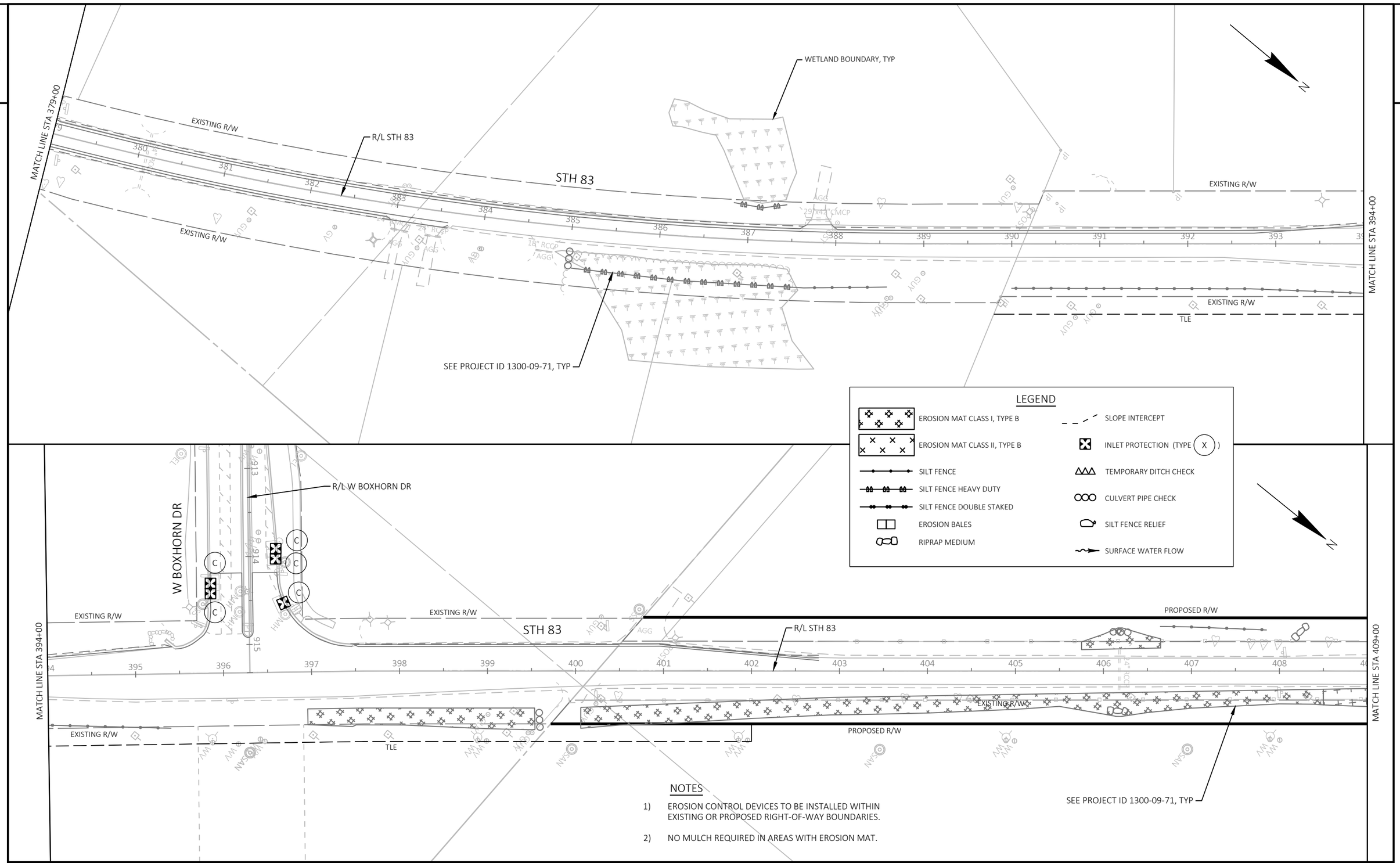


NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 86	E



NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 87	E

2

MATCH LINE STA 409+00

N

R/L W DEWEY DR

W DEWEY DR

WETLAND BOUNDARY, TYP

SEE PROJECT ID 1300-09-71, TYP

PROPOSED R/W

EXISTING R/W

STH 83

R/L STH 83

EXISTING R/W

409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424

921 922

C

C

EXISTING R/W

PROPOSED R/W

END PROJECT ID 1300-09-70
STA 424+00.00 R/L STH 83

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- SILT FENCE DOUBLE STAKED
- EROSION BALES
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE X)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE RELIEF
- SURFACE WATER FLOW

NOTES

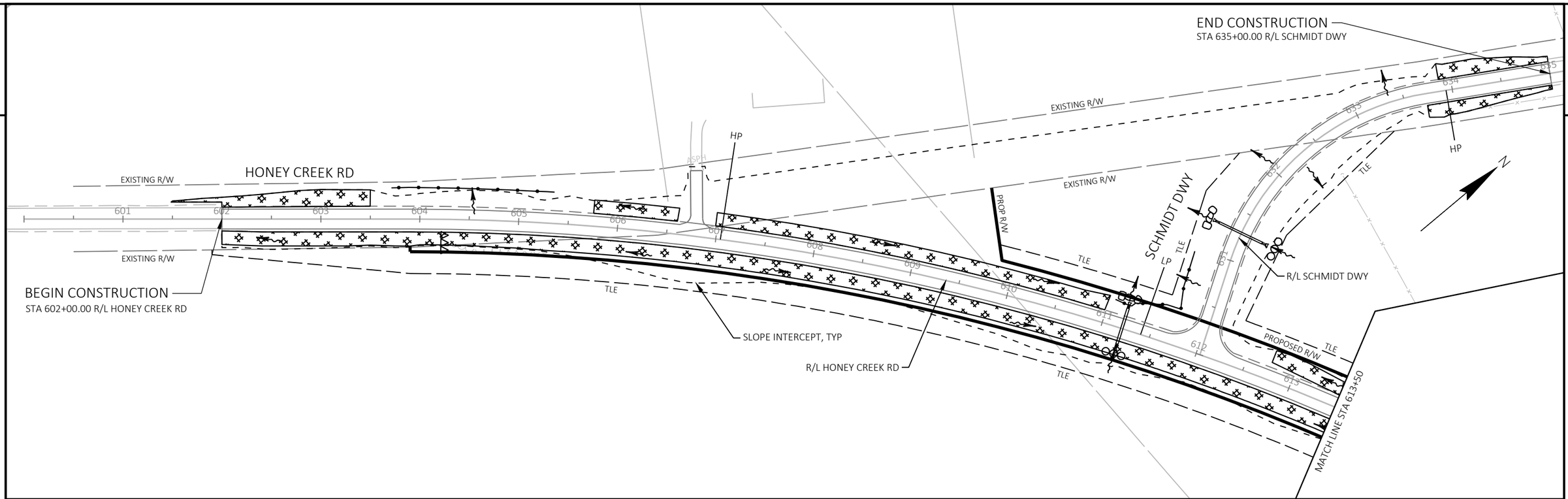
1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

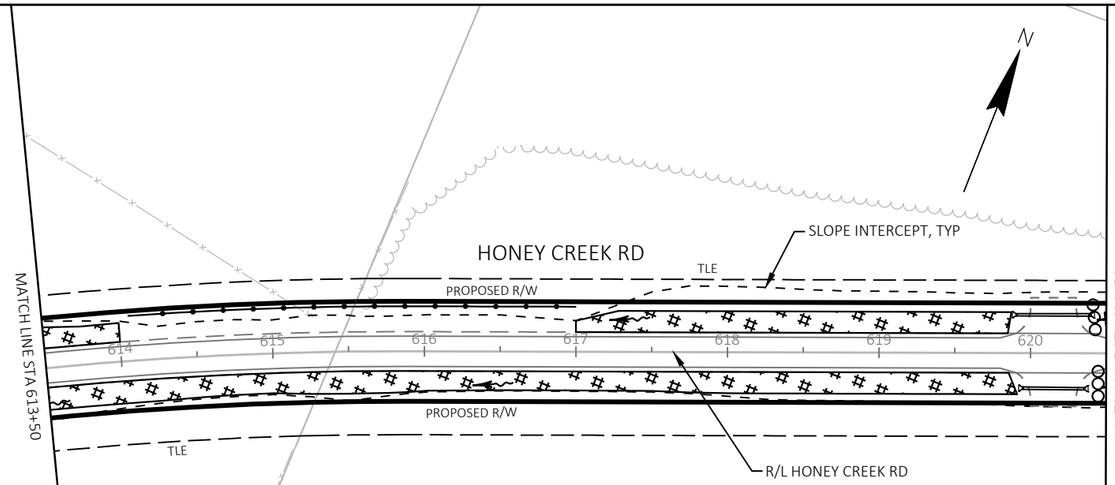
2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 88	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 11-ec

PLOT DATE : 10/20/2022 11:03 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT





NOTES

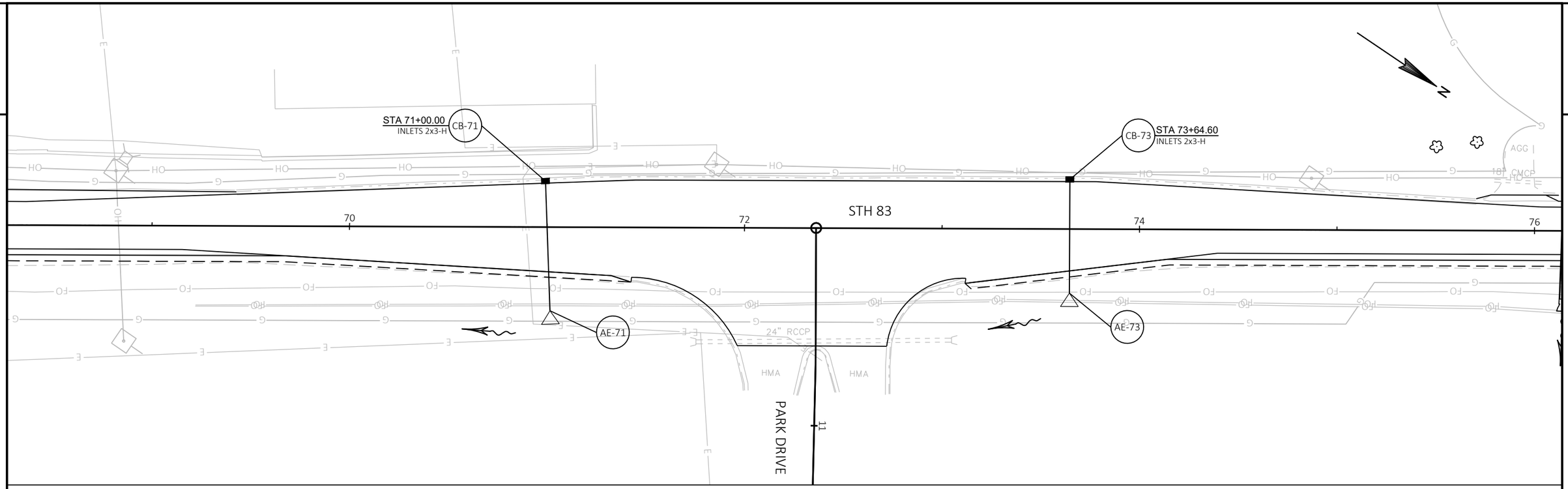
1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

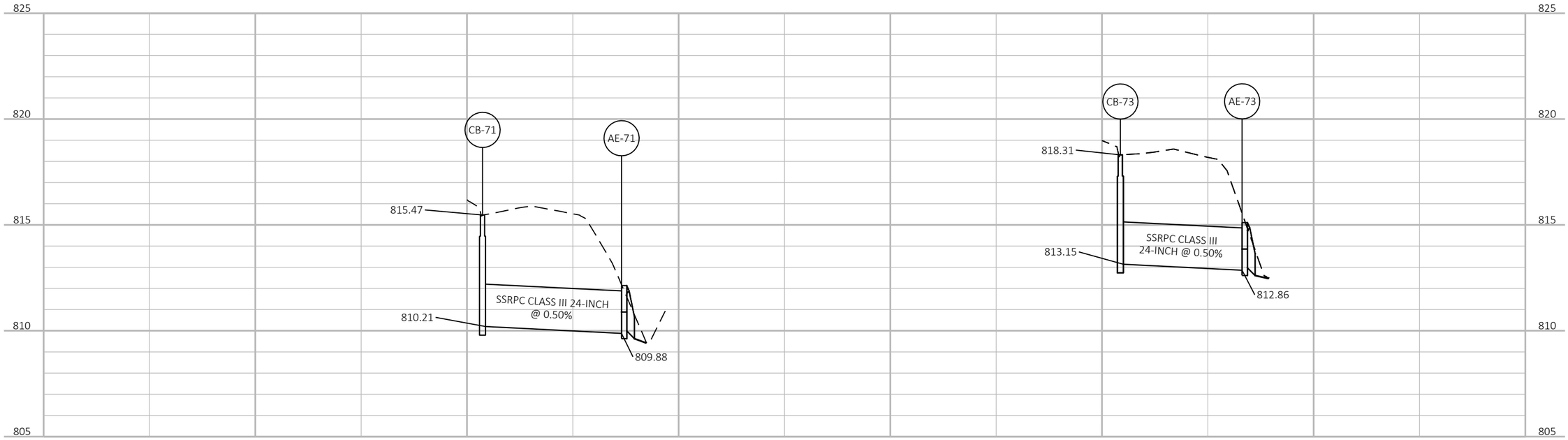
2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- SILT FENCE DOUBLE STAKED
- EROSION BALES
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE X)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE RELIEF
- SURFACE WATER FLOW

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	EROSION CONTROL	SHEET 89	E





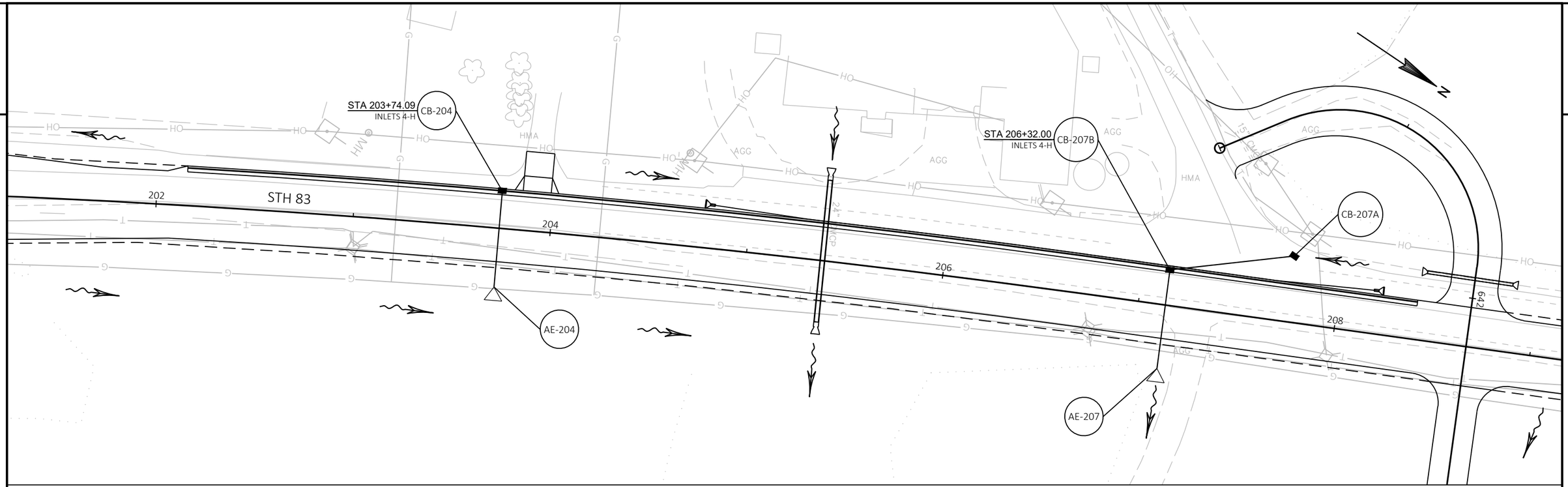
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALW., WAUK.	STORM SEWER PLANS	SHEET PRE_86

E

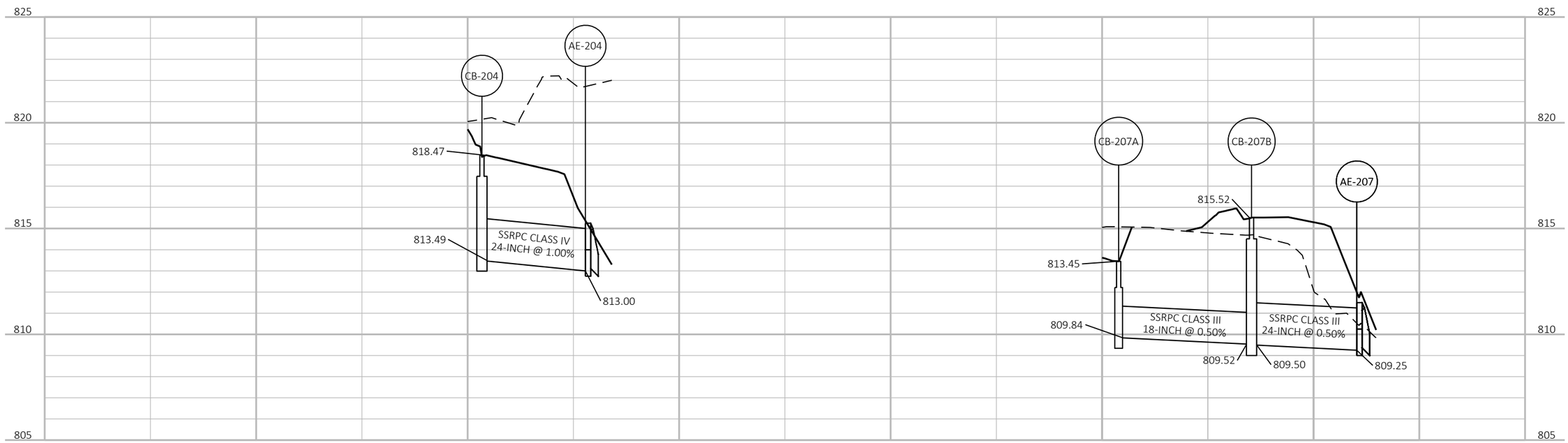
FILE NAME : C:\USERS\KARAKOCH\STORMWATER SOLUTIONS ENGINEERING\STORMWATER PROJECTS - DOCUMENTS\2018\WISDOT\STH 83\CADD\SSE-PROJBASE\SSE_STH83_STORM SEWER FILE_DRAFTING.DWG 7/19/18
LAYOUT NAME - 1

PLOT BY : CASSANDRA BENCE PLOT NAME : PLOT SCALE : 1":50'

WISDOT/CADDS SHEET 41



2

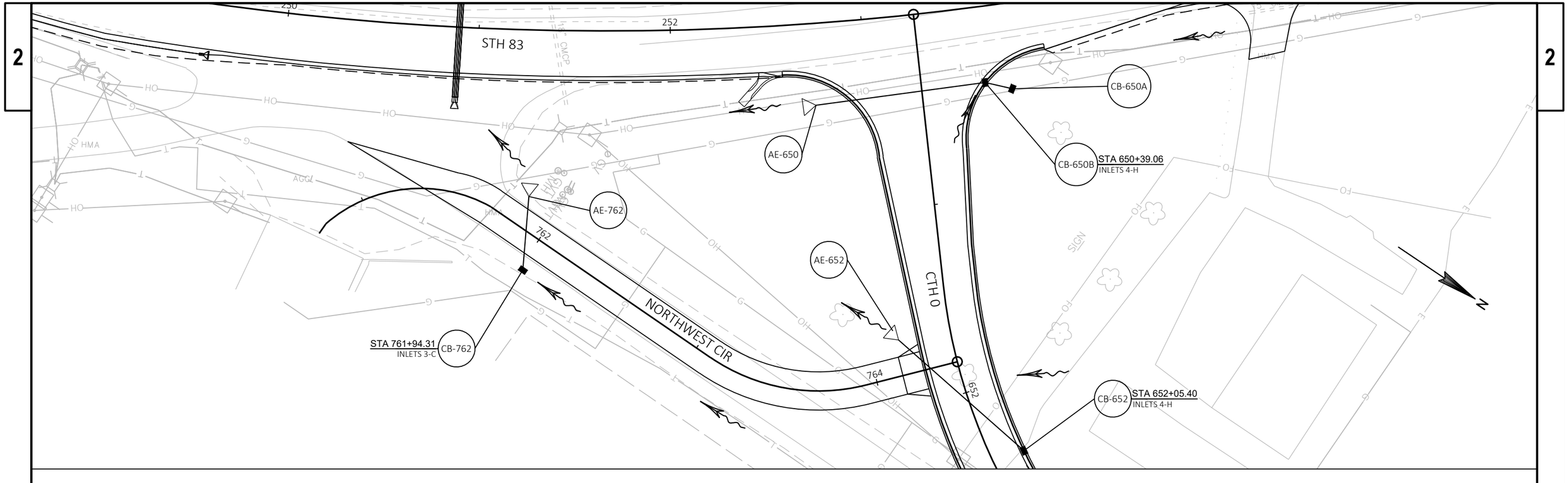


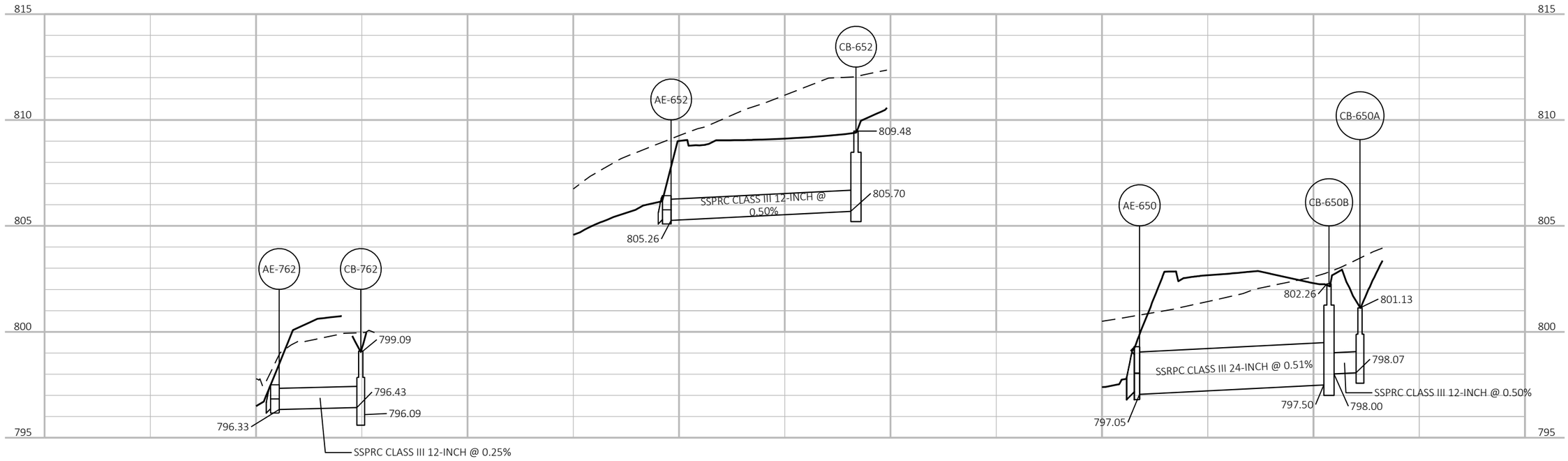
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALW., WAUK.	STORM SEWER PLANS	SHEET PRE_87

E

FILE NAME : C:\USERS\KARAKOCH\STORMWATER SOLUTIONS ENGINEERING\STORMWATER PROJECTS - DOCUMENTS\2018\WISDOT\STH 83\CADD\SSE-PROJBASE\SSE_STH83_STORM SEWER FILE_DRAFTING.DWG 7/19/18
LAYOUT NAME - 2

PLOT BY : CASSANDRA BENCE PLOT NAME : PLOT SCALE : 1":50'





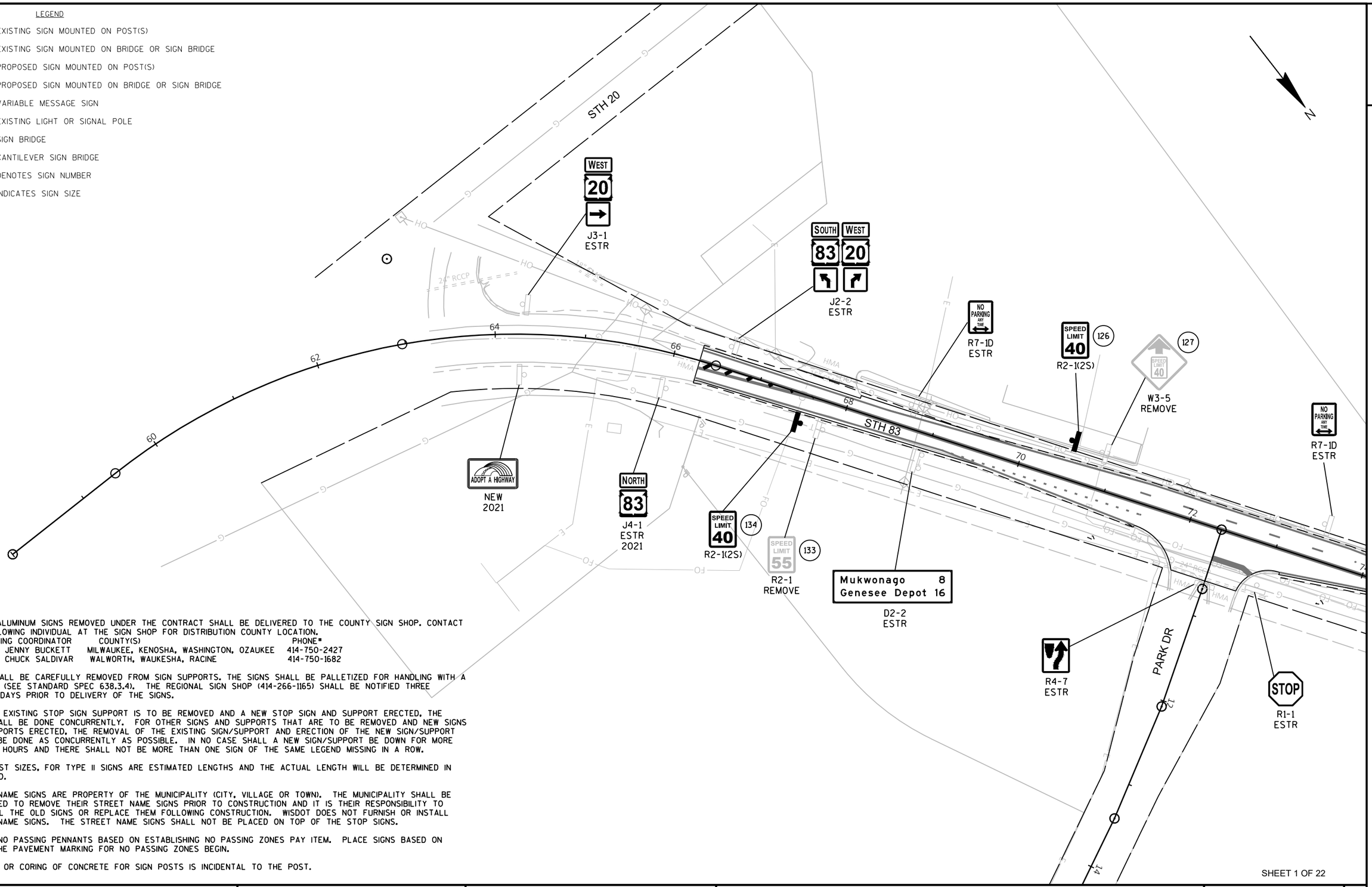
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALW., WAUK.	STORM SEWER PLANS	SHEET PRE_88 92	E

FILE NAME : C:\USERS\KARAKOCH\STORMWATER SOLUTIONS ENGINEERING\STORMWATER PROJECTS - DOCUMENTS\2018\WISDOT\STH 83\CADD\SSE-PROJBASE\SSE_STH83_STORM SEWER FILE_DRAFTING.DWG 7/19/18
LAYOUT NAME - 3
PLOT BY : CASSANDRA BENCE PLOT NAME : PLOT SCALE : 1":50'

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE COUNTY SIGN SHOP. CONTACT THE FOLLOWING INDIVIDUAL AT THE SIGN SHOP FOR DISTRIBUTION COUNTY LOCATION.

SIGNING COORDINATOR	COUNTY(S)	PHONE#
• JENNY BUCKETT	MILWAUKEE, KENOSHA, WASHINGTON, OZAUKEE	414-750-2427
• CHUCK SALDIVAR	WALWORTH, WAUKESHA, RACINE	414-750-1682

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (414-266-1165) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

WHEN AN EXISTING STOP SIGN 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 POST SIZES, FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION. WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.

LOCATE NO PASSING PENNANTS BASED ON ESTABLISHING NO PASSING ZONES PAY ITEM. PLACE SIGNS BASED ON WHERE THE PAVEMENT MARKING FOR NO PASSING ZONES BEGIN.

BOX OUT OR CORING OF CONCRETE FOR SIGN POSTS IS INCIDENTAL TO THE POST.

SHEET 1 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 93	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-01

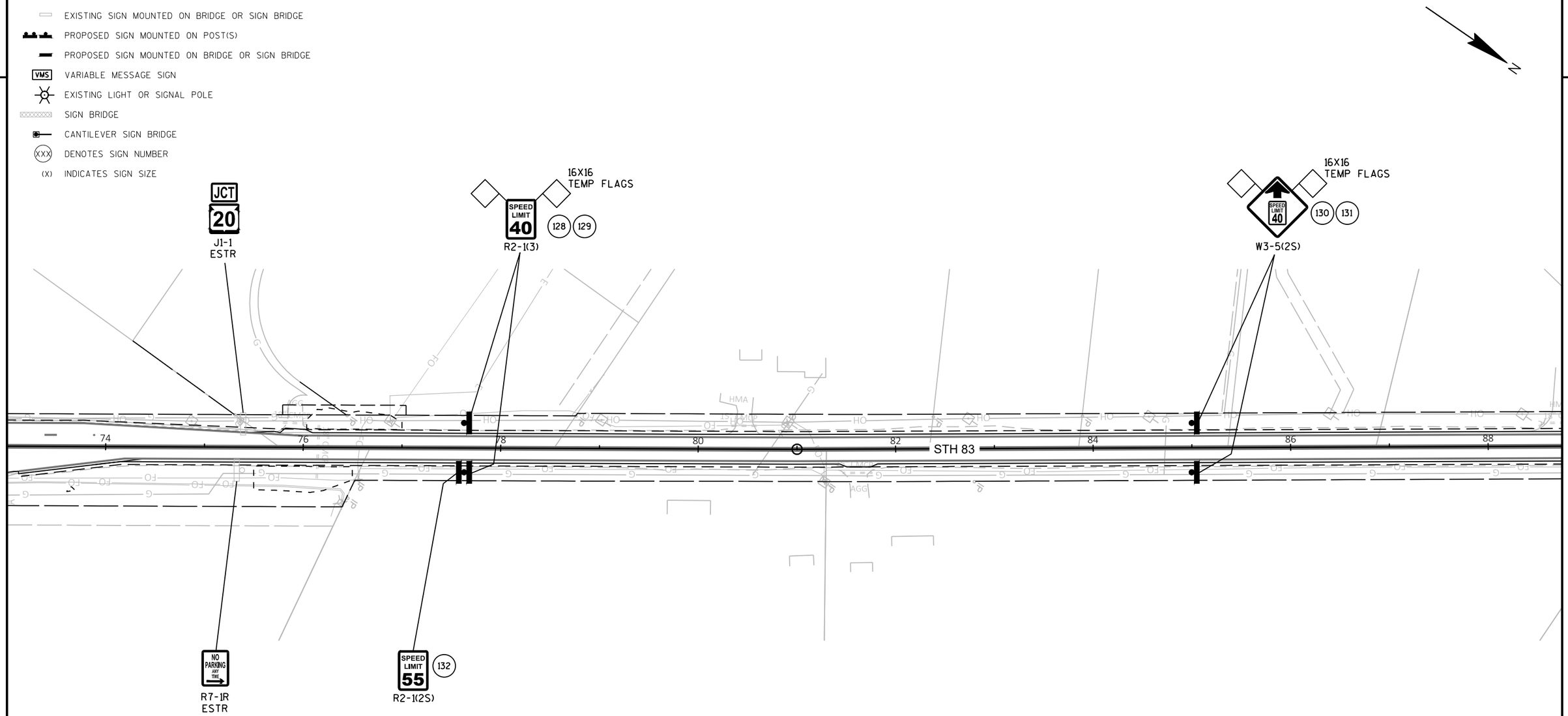
PLOT DATE : 11/11/2022 10:29 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 2 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 94	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-02

PLOT DATE : 11/11/2022 10:29 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

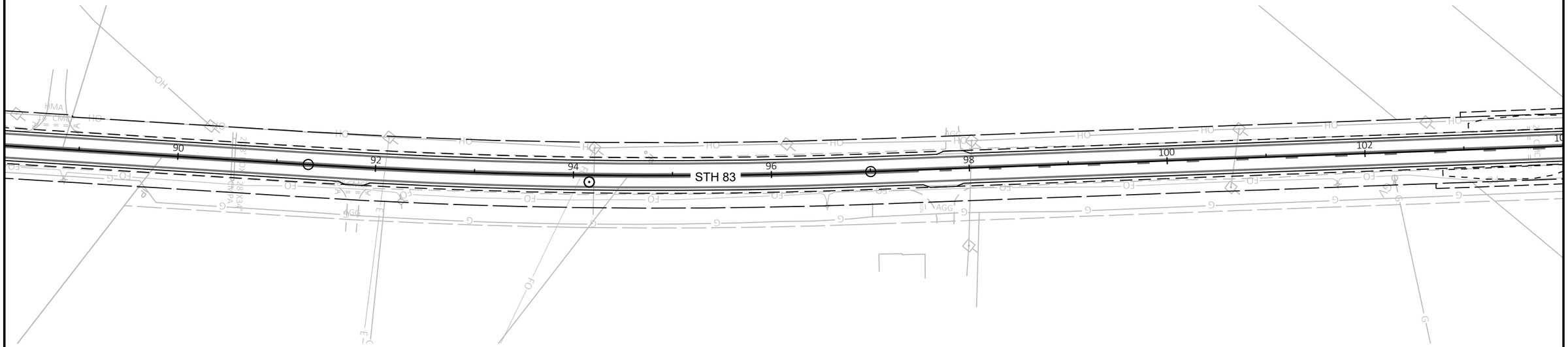
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

NO SIGNS
THIS SHEET



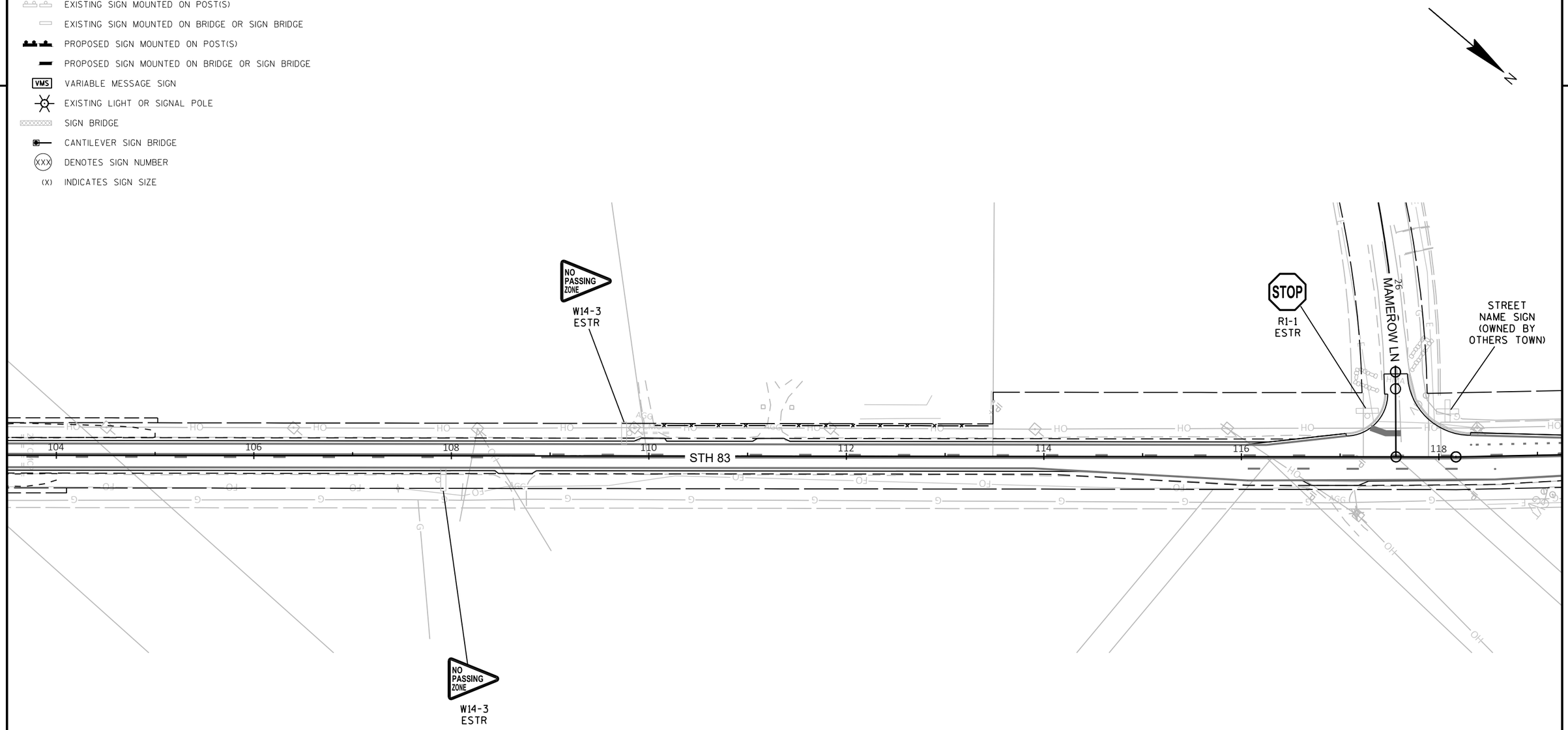
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 95	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-03
PLOT DATE : 11/11/2022 10:29 AM
PLOT BY : VANDE LEEST, CYNTHIA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



2

SHEET 4 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 96	E

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LAYOUT NAME - Sht-04

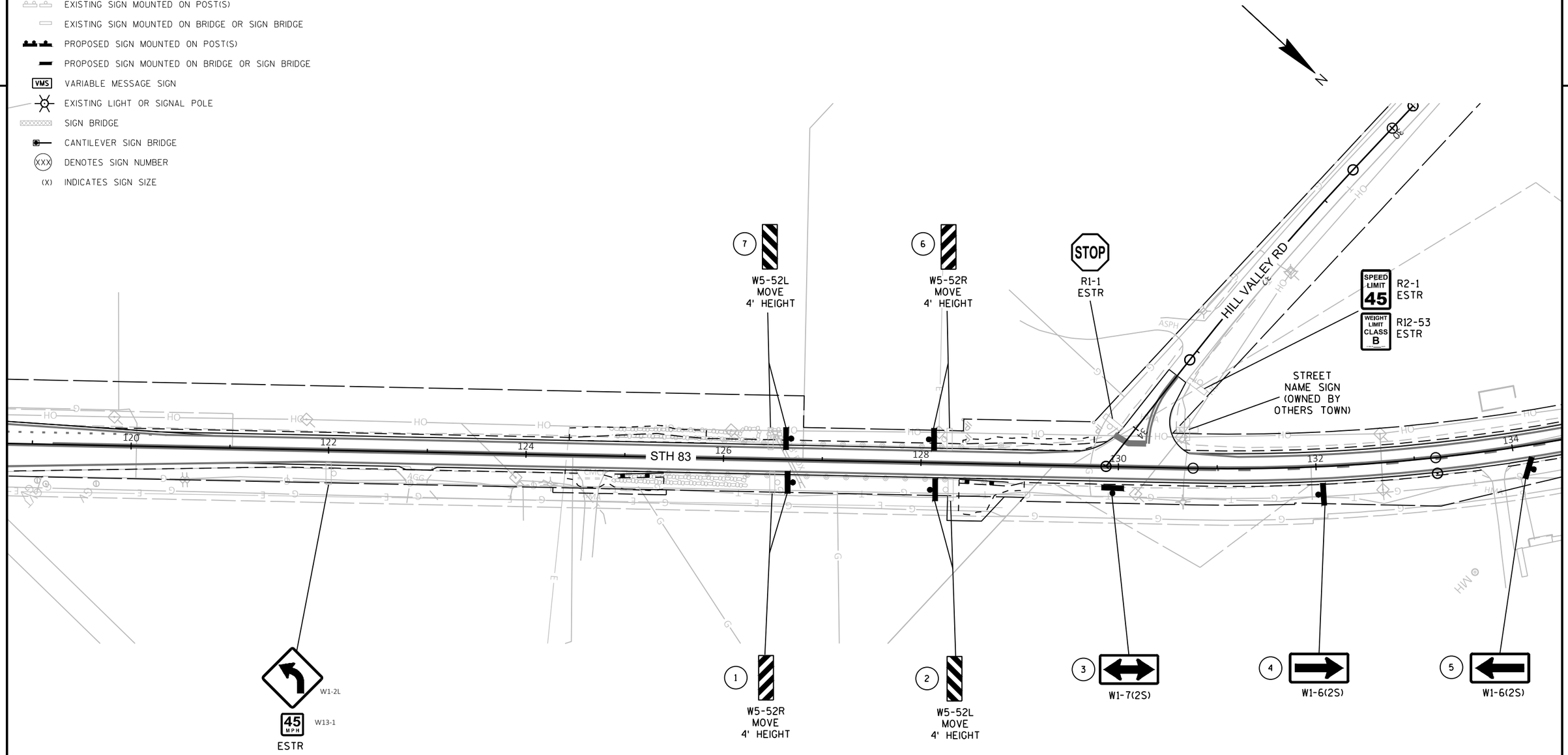
PLOT DATE : 11/11/2022 10:29 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 5 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 97	E

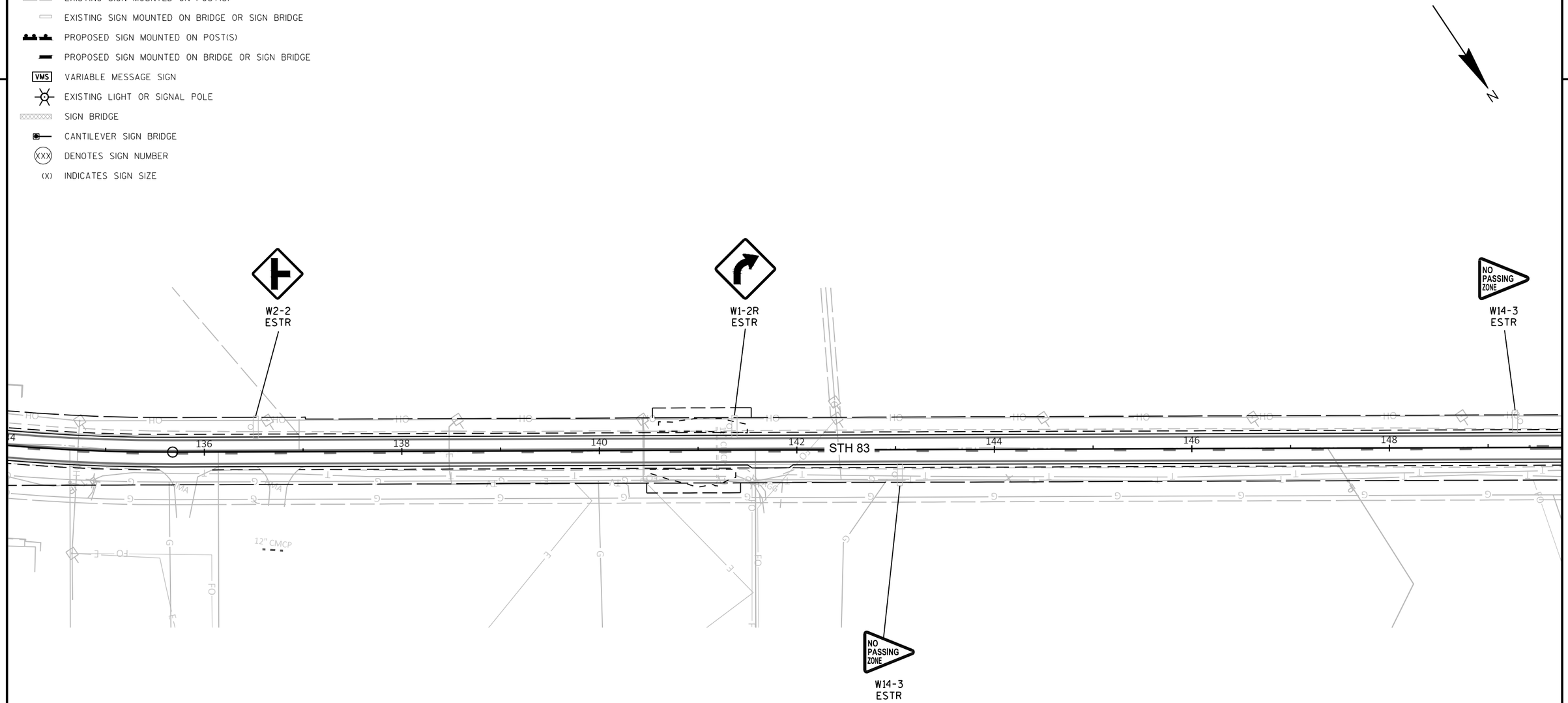
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LAYOUT NAME - Sht-05

PLOT DATE : 11/11/2022 10:29 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



2

SHEET 6 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 98	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-06

PLOT DATE : 11/11/2022 10:30 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

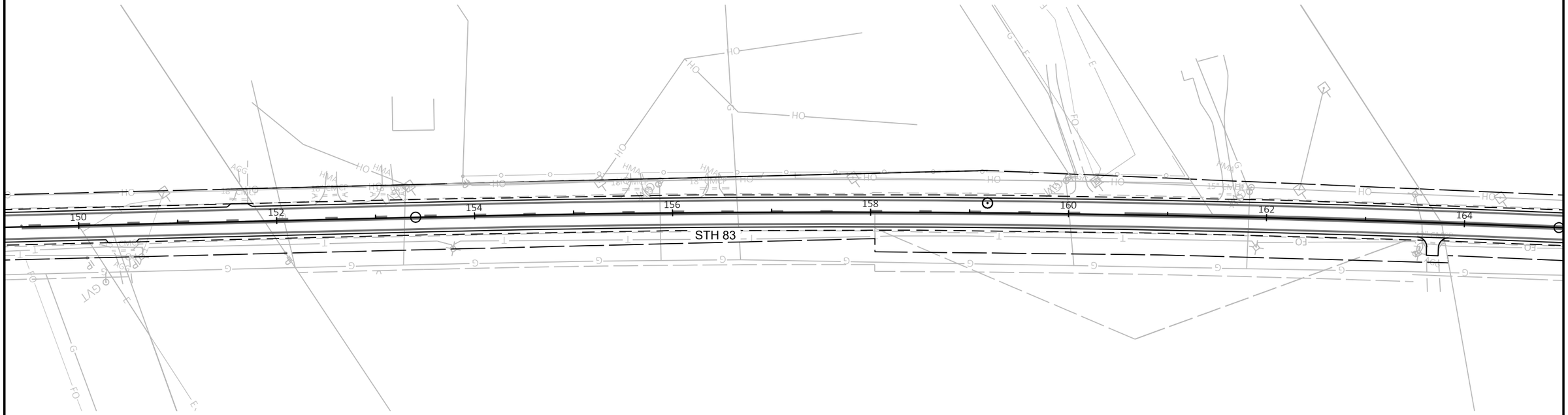
2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

NO SIGNS
THIS SHEET

N



2

SHEET 7 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 99	E

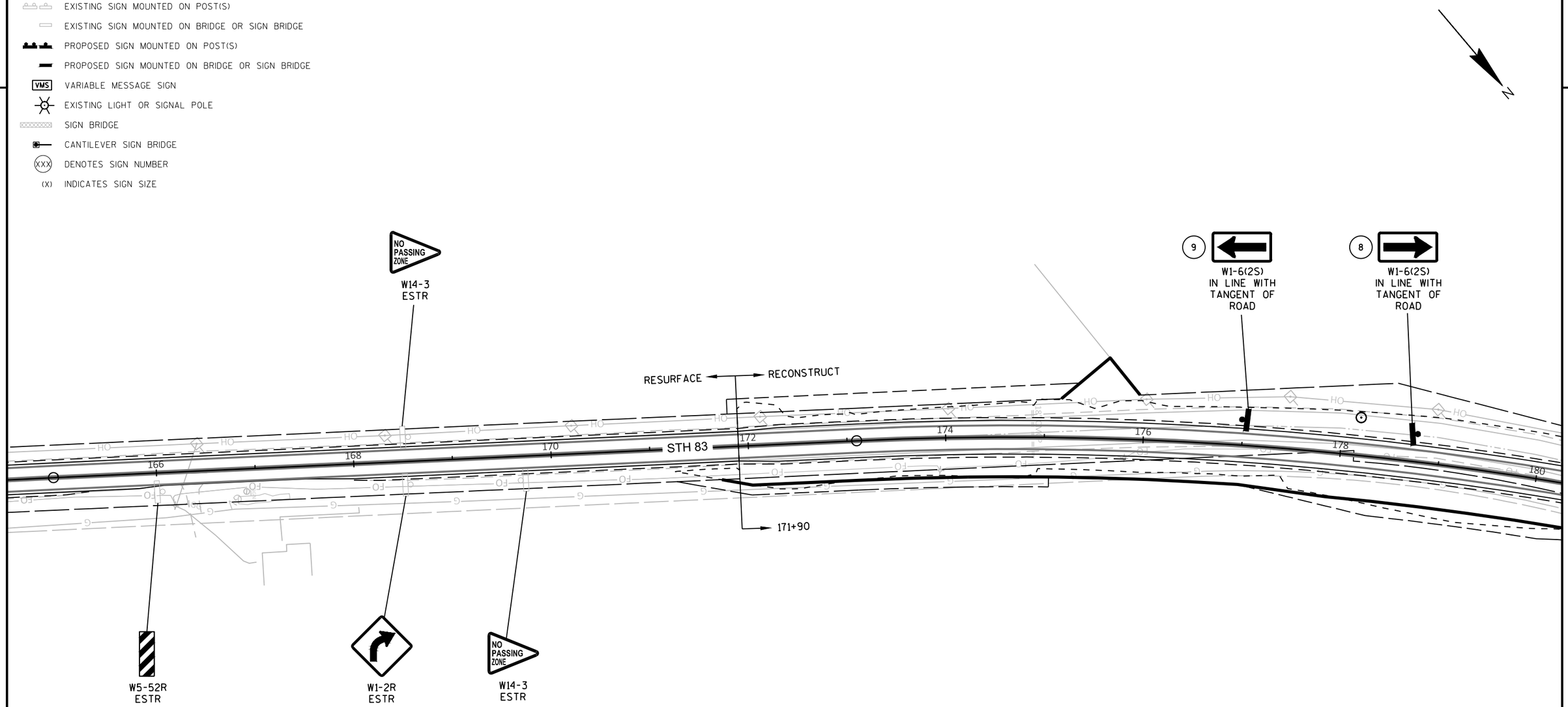
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LAYOUT NAME - Sht-07

PLOT DATE : 11/11/2022 10:30 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 8 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 100	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-08

PLOT DATE : 11/11/2022 10:30 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
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- CANTILEVER SIGN BRIDGE
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- (X) — INDICATES SIGN SIZE

N

MAPLE RD

25 RUSTIC ROAD R2 MOVE

26 WEIGHT LIMIT CLASS B R12-53 MOVE

17 18 19 20 21 22 23 24 W1-8 W1-8 MOVE BACK TO BACK

14 JCT MN2-1 RUSTIC ROAD MN6-1 MOVE

REMOVE

13 W1-2L(2S)

SOUTH 83 REMOVE

29 SOUTH 83 J4-1(2S)

27 83 J13-1(2S)

END RUSTIC ROAD R2 28 MOVE

STH 83

180 182 184 186 188 190 192 194

STREET NAME SIGN (OWNED BY OTHERS TOWN)

10 RUSTIC ROAD MN6-1 MOVE

11 W1-7(2S) REMOVE

15 16 STOP R1-1(2S) STOP REMOVE

12 W2-2(2S) REMOVE

SHEET 9 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 101	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-09

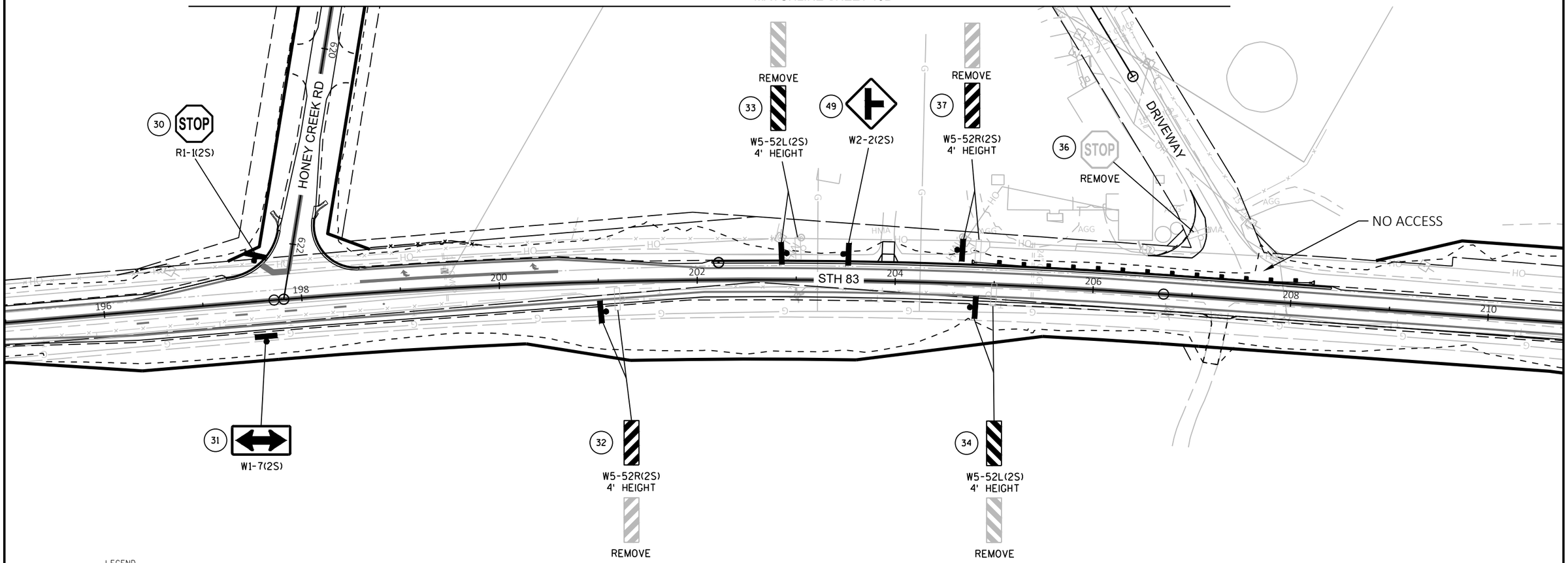
PLOT DATE : 11/11/2022 10:30 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

SEE SHEETS 10A & 10B FOR
SIGNING ON HONEY CREEK RD

MATCHLINE SHEET 10B



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
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- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
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- EXISTING LIGHT OR SIGNAL POLE
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- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 102	E

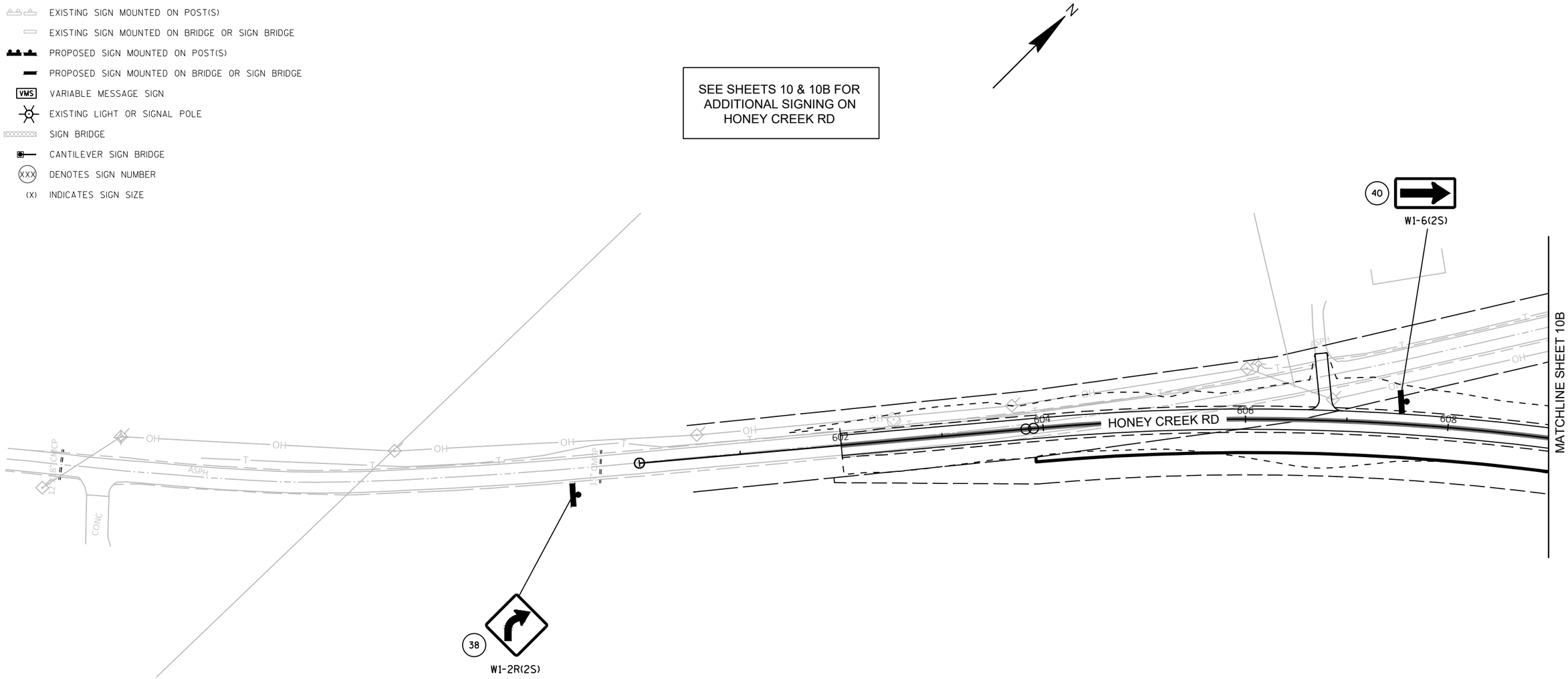
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LAYOUT NAME - Sht-10
PLOT DATE : 11/11/2022 10:30 AM
PLOT BY : VANDE LEEST, CYNTHIA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE

SEE SHEETS 10 & 10B FOR ADDITIONAL SIGNING ON HONEY CREEK RD



SHEET 10A OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 103	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-10A

PLOT DATE : 11/11/2022 10:30 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
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- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE

SEE SHEETS 10 & 10A FOR ADDITIONAL SIGNING ON HONEY CREEK RD

ROAD TO BE REMOVED

DRIVEWAY

DRIVEWAY - NO STOP SIGN NEEDED

42 NO ACCESS W14-2 MODIFIED

48 W1-6(2S)

43 16x16 TEMP FLAGS W3-1(2S)

45 W1-2L(2S)

HONEY CREEK RD

MATCHLINE SHEET 10A

MATCHLINE SHEET 10

634 636 638 640 610 612 614 616 618

OH AGC

SHEET 10B OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 104	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-10B

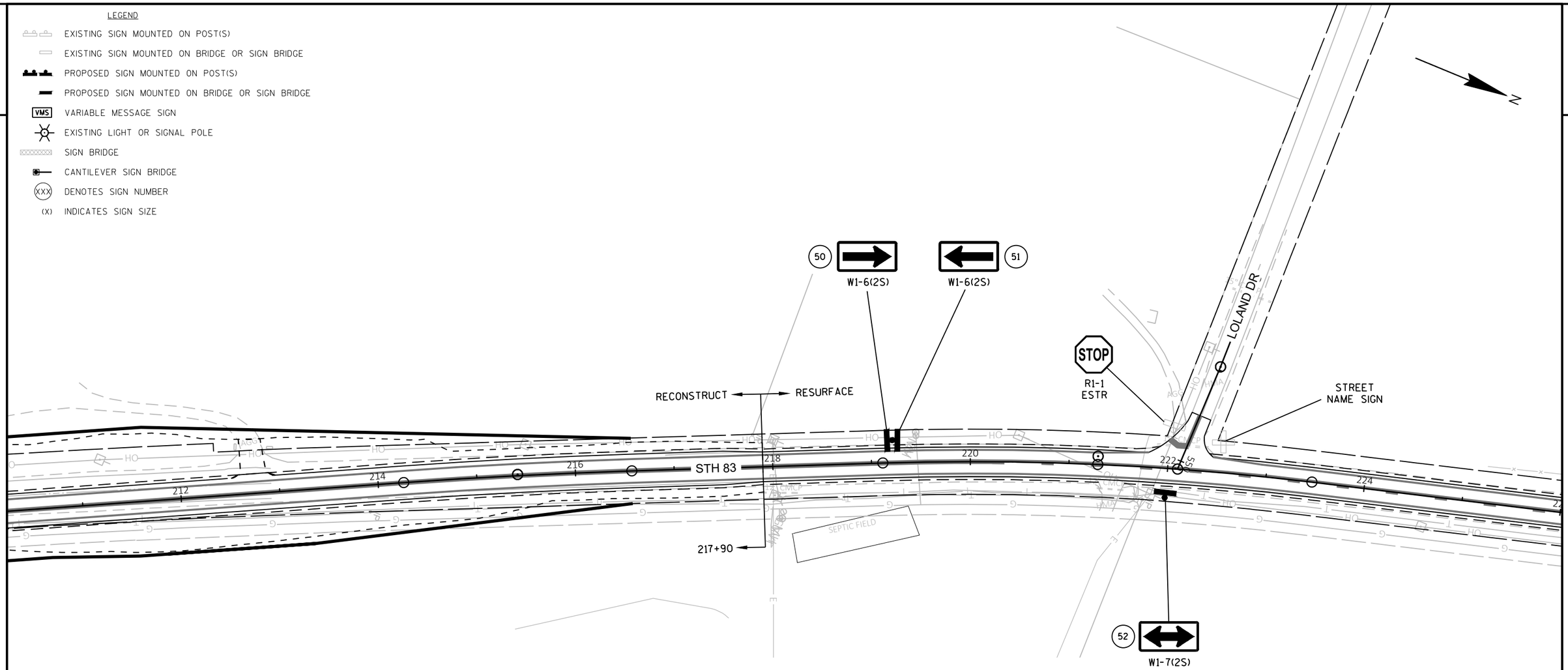
PLOT DATE : 11/11/2022 10:31 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
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- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



2

SHEET 11 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 105	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-11

PLOT DATE : 11/11/2022 10:31 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

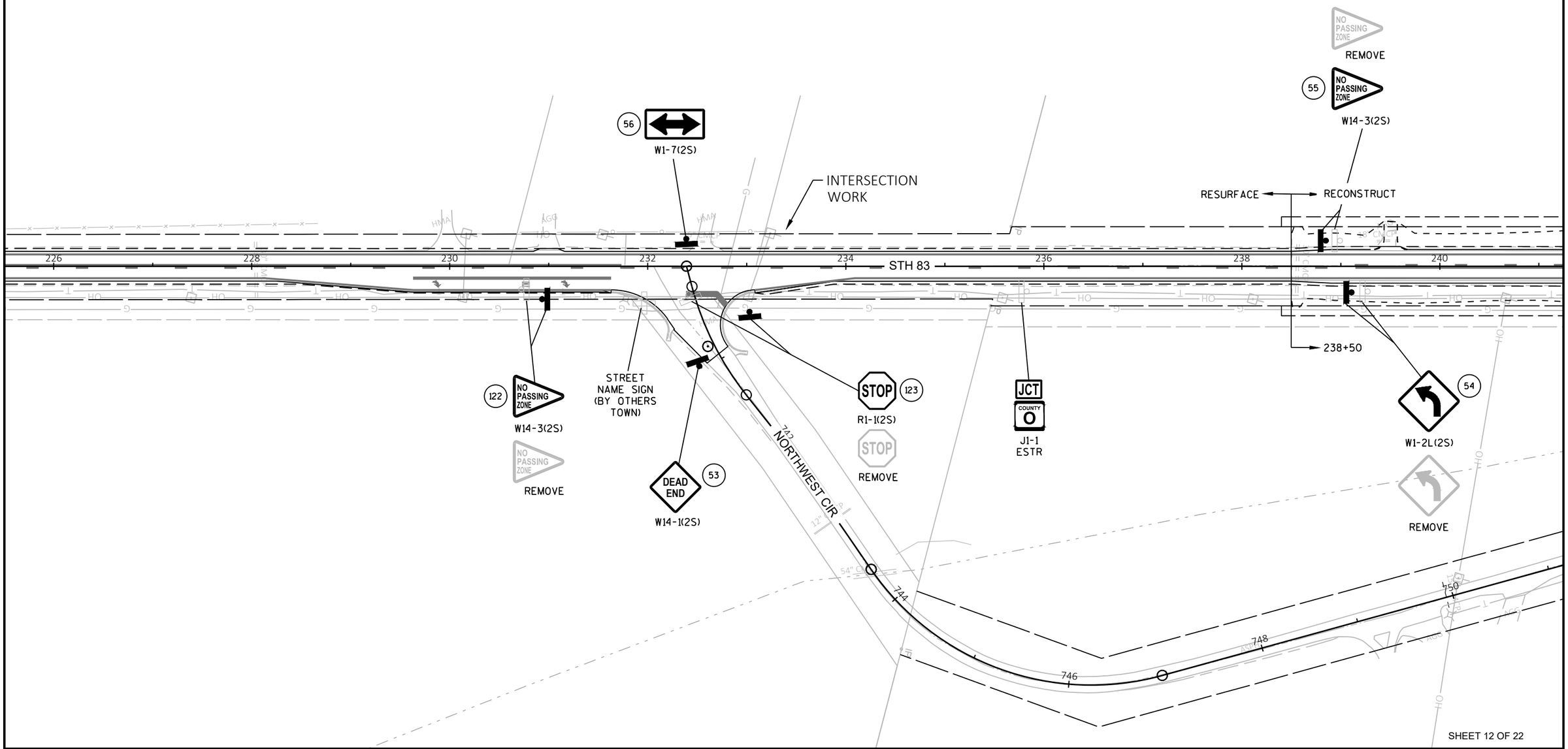
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
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- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE

N



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 106	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-12

PLOT DATE : 11/11/2022 10:31 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

N

REMOVE
79
W5-52R(2S)
4' HEIGHT

REMOVE
78
W5-52L(2S)
4' HEIGHT

77
W1-6
REMOVE

REMOVE
76
W5-52R(2S)
4' HEIGHT

REMOVE
67
W1-6(2S)

75
W1-7(2S)

REMOVE
74
COUNTY O
J3-1(2S)

242 244 246 248 250 252 254 256

STH 83

NORTHWEST CIR.

752 754 756 758

CTH O

762 764 652 654 656

(CALDWELL RD)

STOP
72 73
R1-1(2S)

CHURCH SIGN
68
REMOVE
ON UTILITY POLE

JCT 83
REMOVE
69
JCT 83
J1-1(2S)

58
Country View CAMPGROUND
Right on "O"
REMOVE
ILLEGAL SIGN

57
DEAD END
W14-1(2S)

W5-56(2S)
4' HEIGHT
59 60 61

62
COUNTY O
J3-1(2S)

COUNTY O
REMOVE

STOP
63
R1-1
REMOVE

66
STOP
REMOVE

83
64
J13-1
REMOVE

124
W11-8
REMOVE

65
W1-6(2S)

71
ADOPT A HIGHWAY
MOVE

70
REMOVE

W3-1(2S)

SHEET 13 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 107	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-13

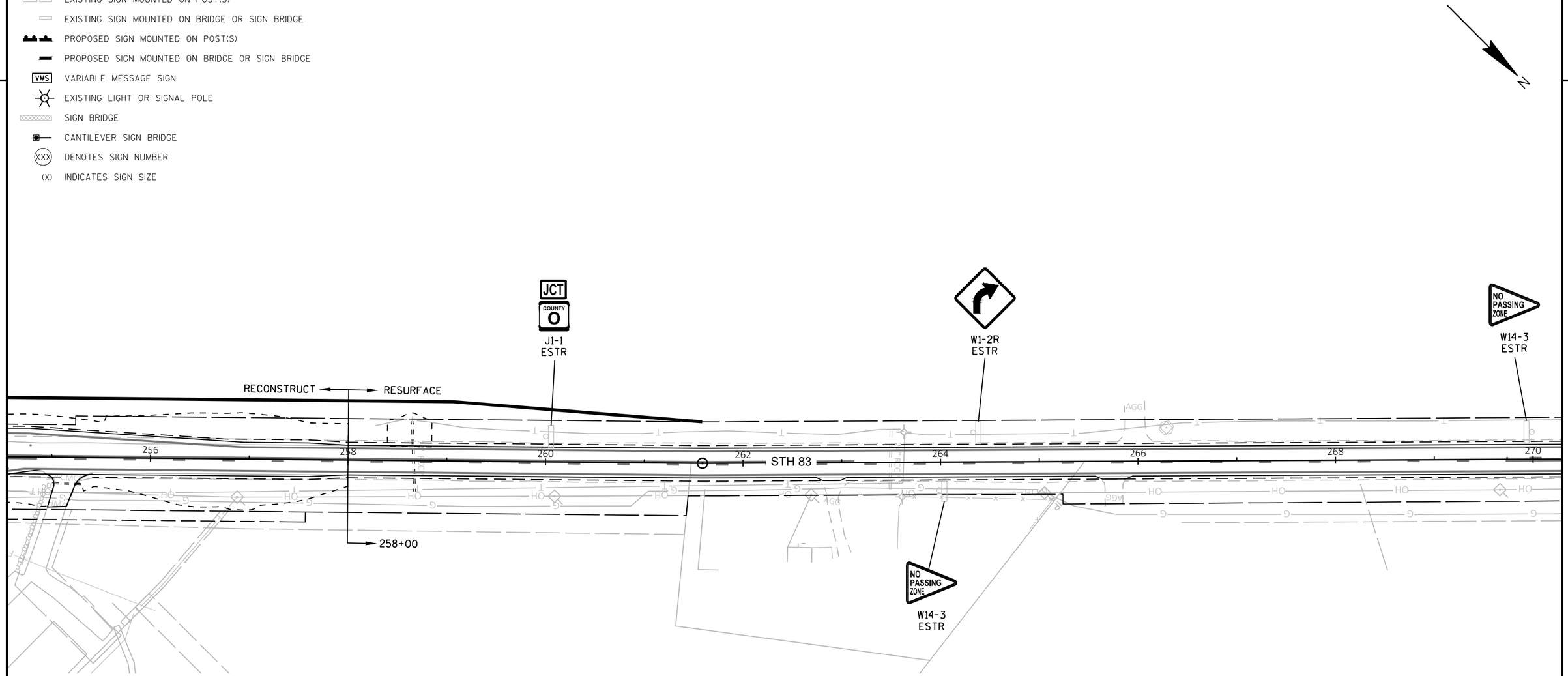
PLOT DATE : 11/11/2022 10:31 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
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- (X) INDICATES SIGN SIZE



SHEET 14 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 108	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-14

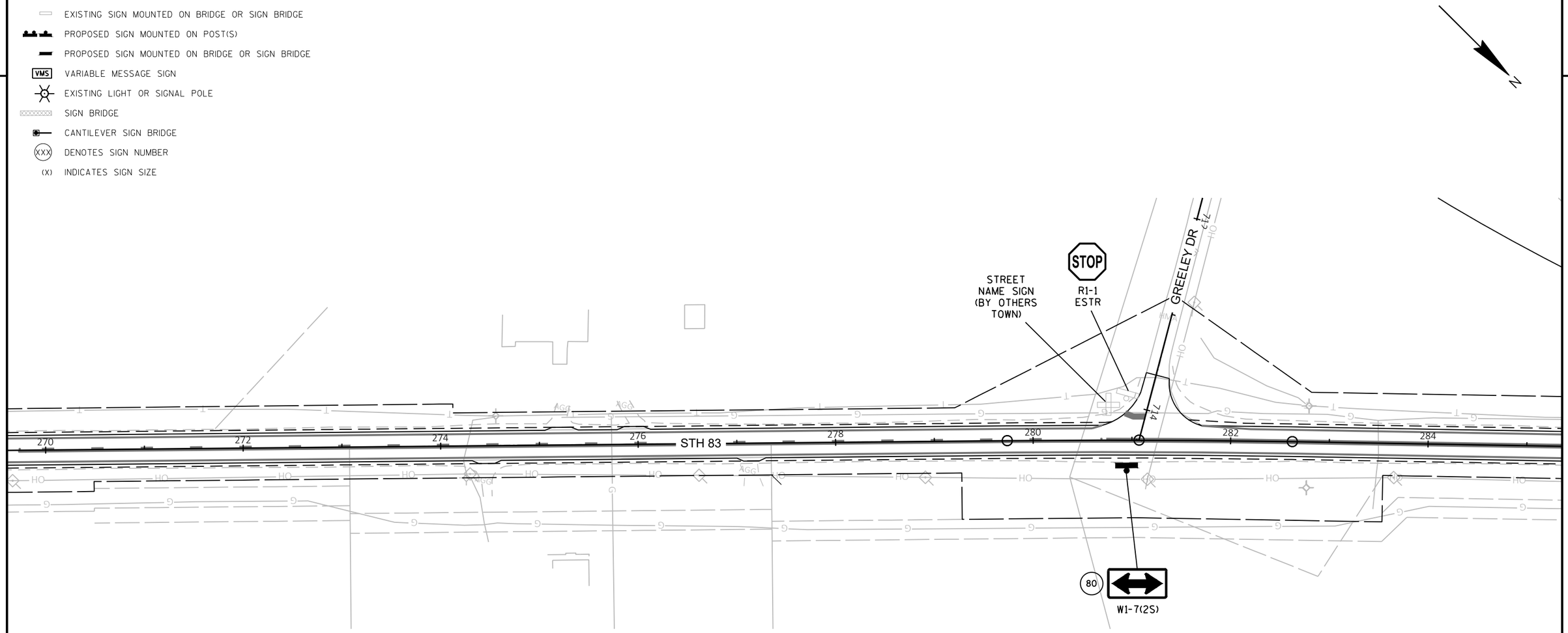
PLOT DATE : 11/11/2022 10:31 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
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- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 15 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 109	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-15

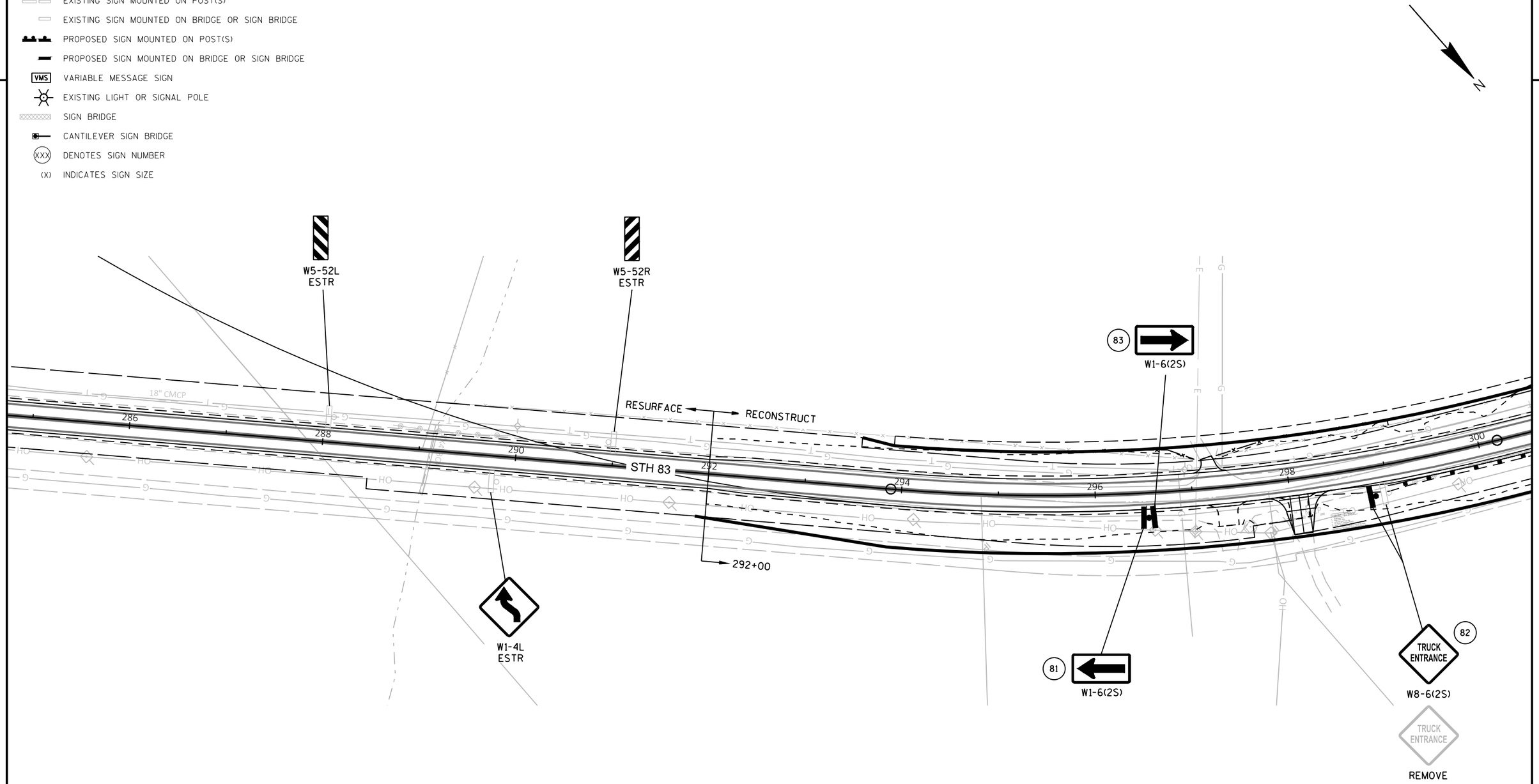
PLOT DATE : 11/11/2022 10:31 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
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- (X) — INDICATES SIGN SIZE



2

SHEET 16 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 110	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-16

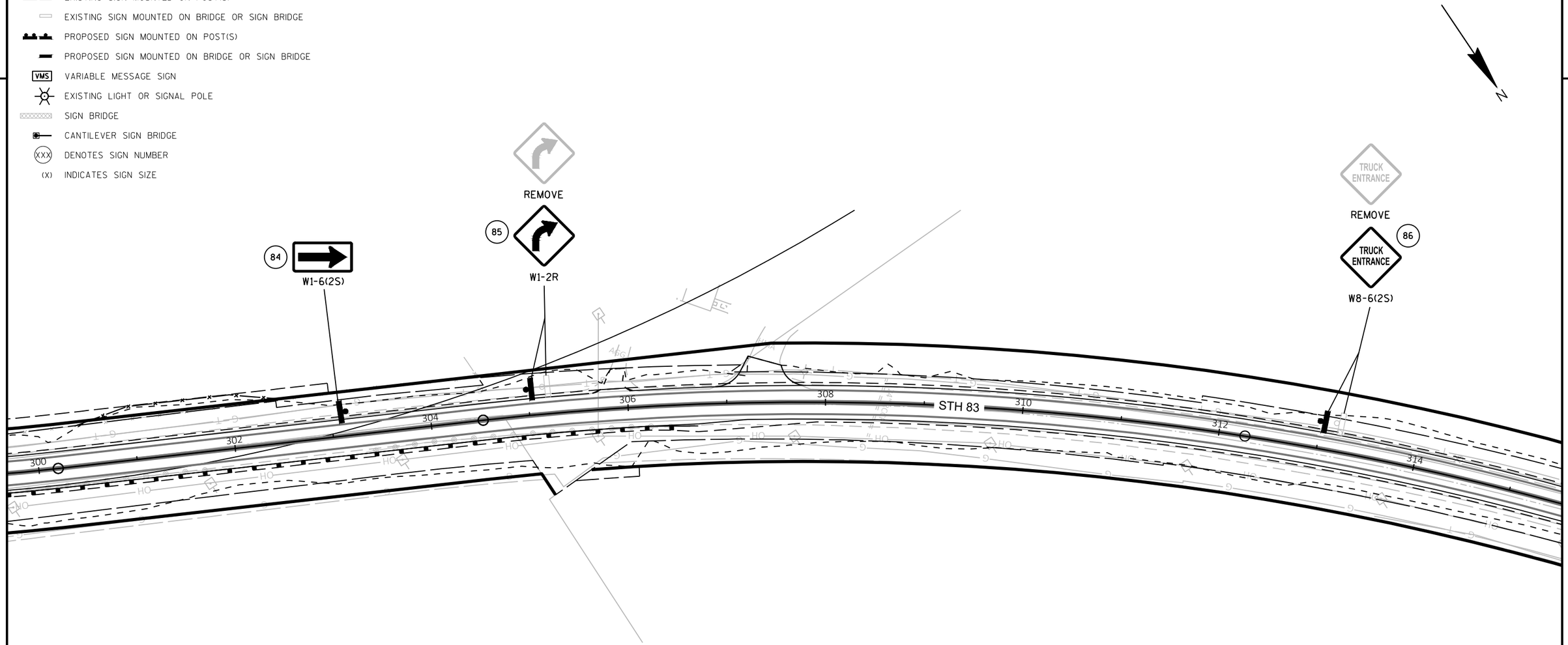
PLOT DATE : 11/11/2022 10:32 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
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SHEET 17 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 111	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-17

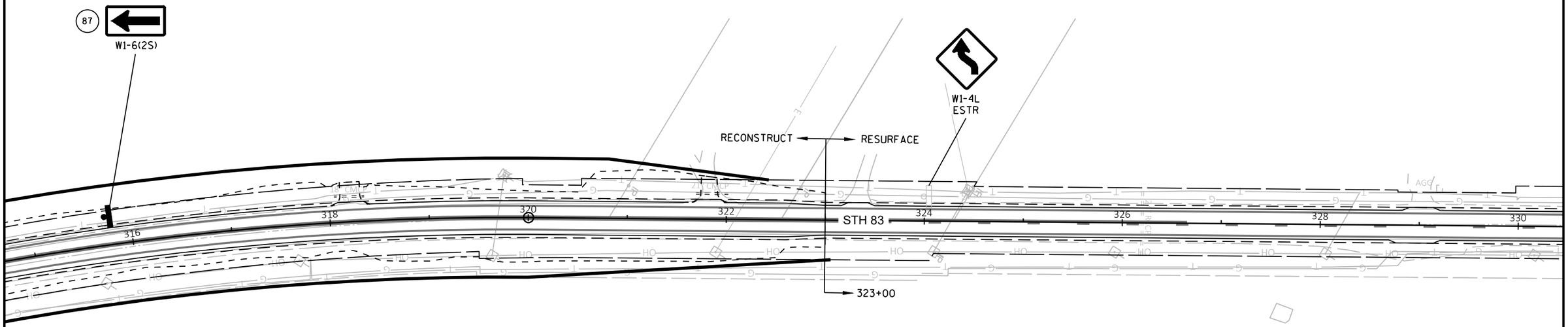
PLOT DATE : 11/11/2022 10:32 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



2

SHEET 18 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 112	E

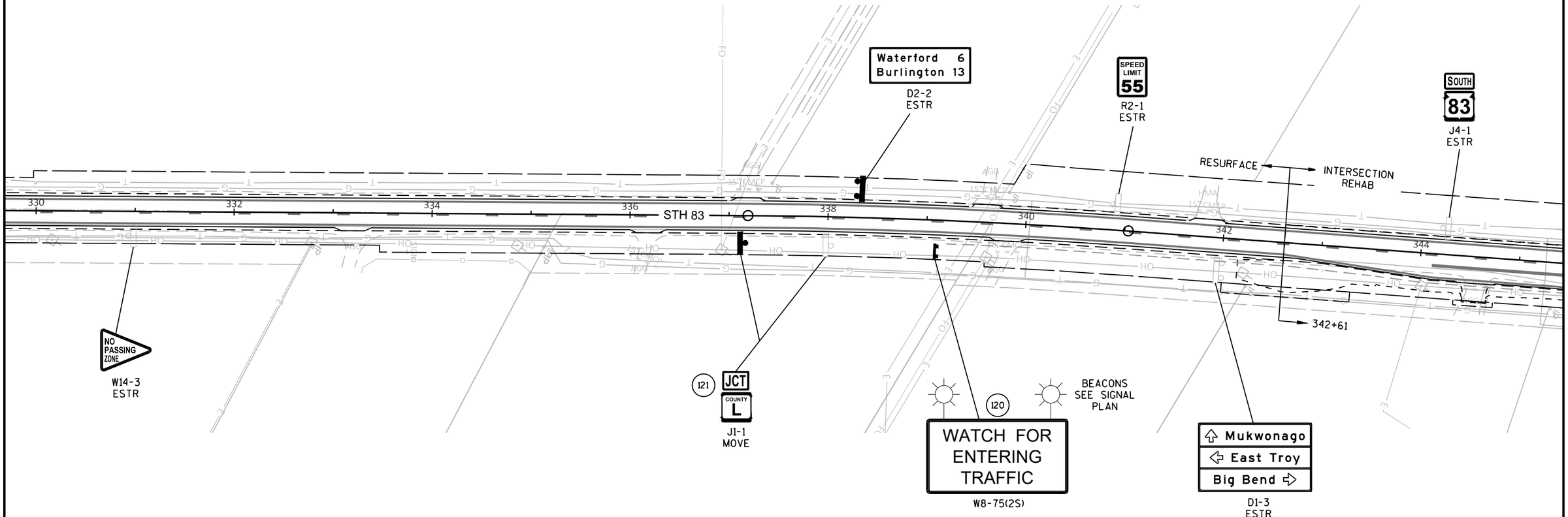
FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-18

PLOT DATE : 11/11/2022 10:32 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

2

SEE SHEET 20A FOR ADDITIONAL SIGNS IN THIS AREA

CTH L (JANESVILLE RD)

804 806 808 810 812

WEST COUNTY L 97
J4-1 MOVE

COUNTY L 100
J13-1 MOVE

96 ALT AMERICAN 43
J2-1 MOVE

Waterford
Big Bend
East Troy
D1-3 ESTR

119
BEACONS SEE SIGNAL PLAN
WATCH FOR ENTERING TRAFFIC
W8-75(2S)

118
LI MI HERITAGE FLOWER FARM
MOVE

INTERSECTION REHAB
RESURFACE

346 348 350 352 354 356 358 360

STH 83

354+17

COUNTY L 88
J13-1 MOVE

EAST COUNTY L
J4-1 ESTR

94 ADOPT A HIGHWAY
MOVE

95 NORTH 83
J4-1 MOVE

Mukwonago 3
Genesee Depot 11
D2-2 ESTR

CTH L (JANESVILLE RD)

SHEET 20 OF 22

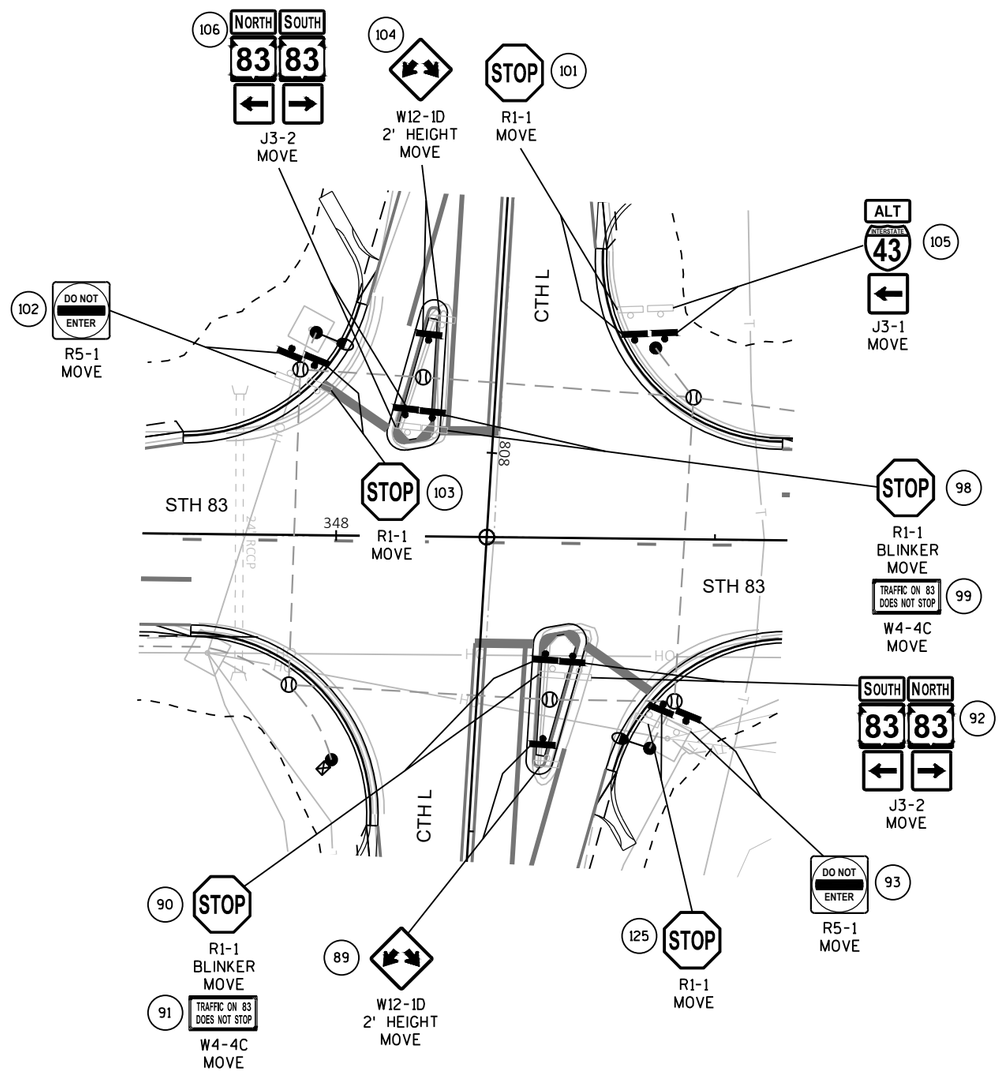
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 114	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-20

PLOT DATE : 11/11/2022 10:32 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 20A OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 115	E

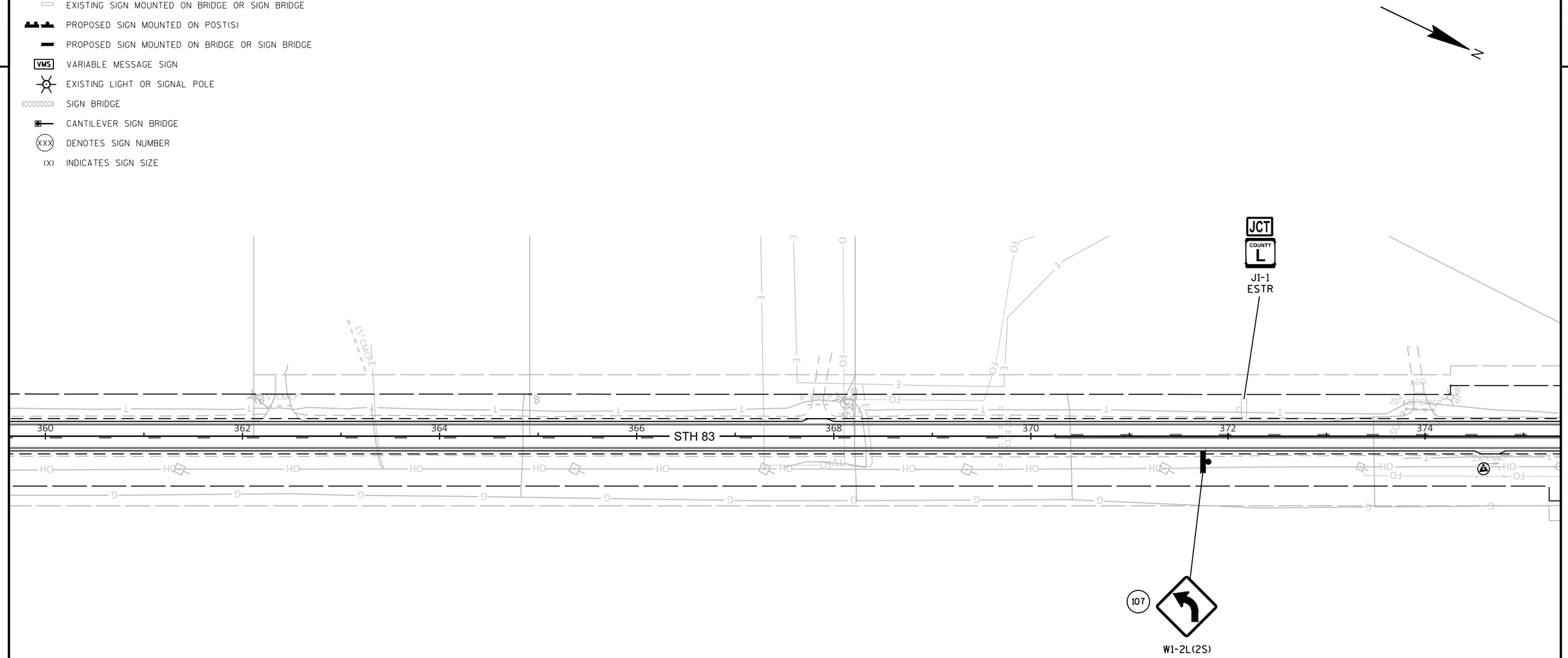
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LAYOUT NAME - Sht-20A

PLOT DATE : 11/11/2022 10:32 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



2

SHEET 21 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 116	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-21

PLOT DATE : 11/11/2022 10:33 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

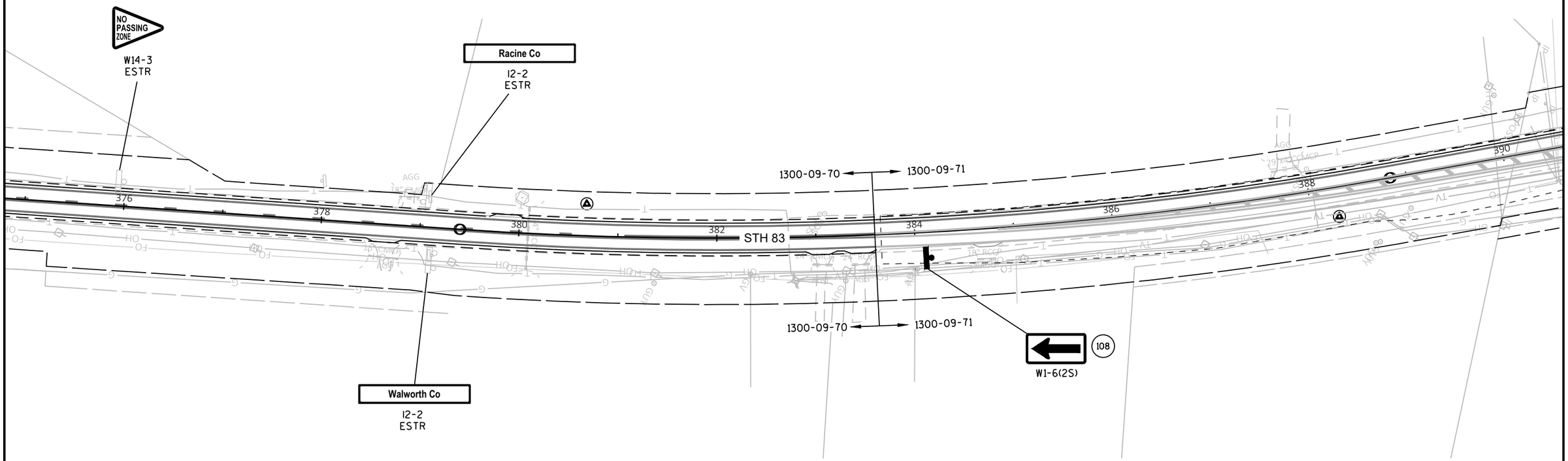
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 22 OF 22

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE/WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 117	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023201_PS_1300-09-70.DWG
LAYOUT NAME - Sht-22

PLOT DATE : 11/11/2022 10:33 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

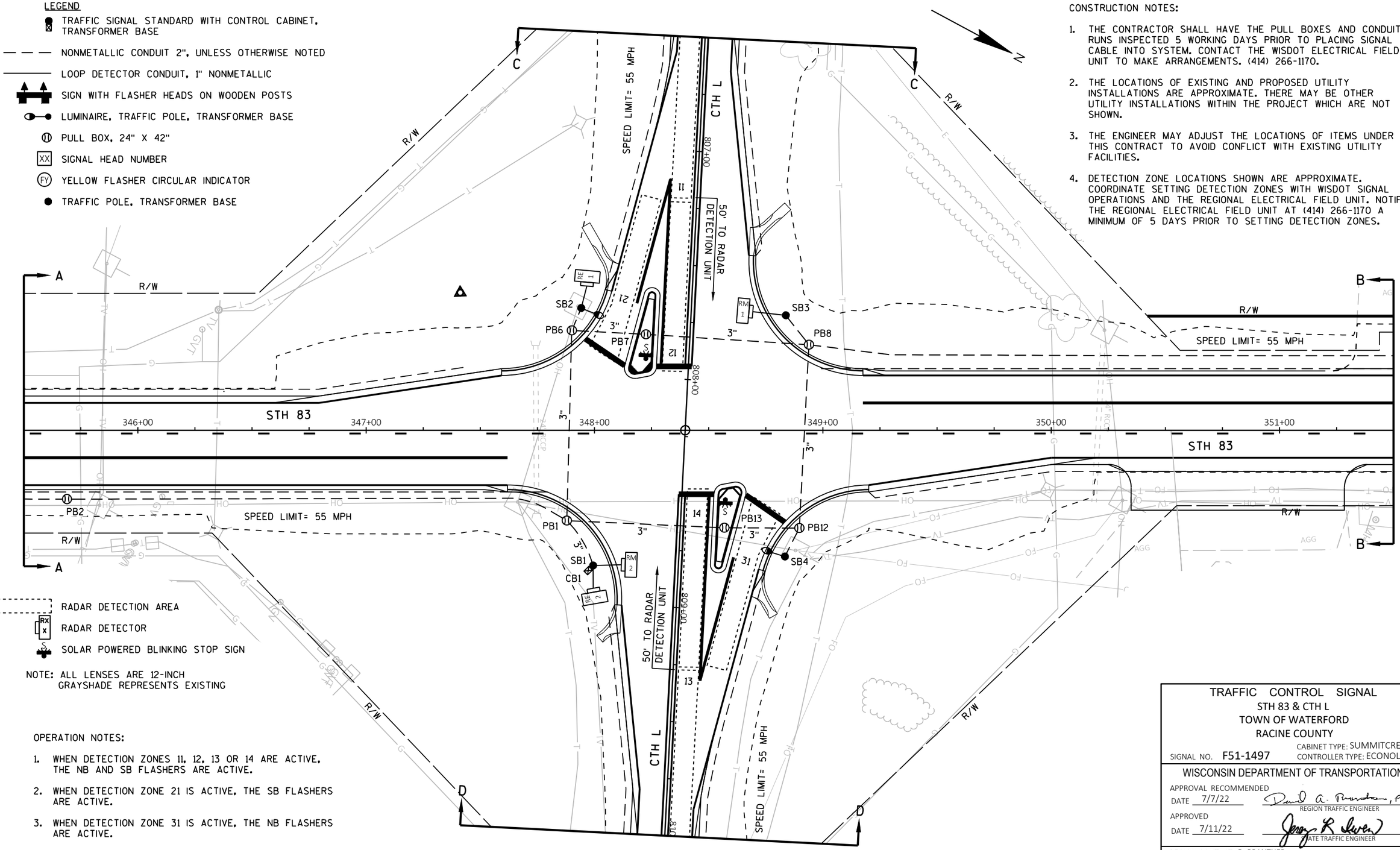
WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC SIGNAL STANDARD WITH CONTROL CABINET, TRANSFORMER BASE
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGN WITH FLASHER HEADS ON WOODEN POSTS
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- FY YELLOW FLASHER CIRCULAR INDICATOR
- TRAFFIC POLE, TRANSFORMER BASE

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
4. DETECTION ZONE LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE SETTING DETECTION ZONES WITH WISDOT SIGNAL OPERATIONS AND THE REGIONAL ELECTRICAL FIELD UNIT. NOTIFY THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170 A MINIMUM OF 5 DAYS PRIOR TO SETTING DETECTION ZONES.



RADAR DETECTION AREA

RX RADAR DETECTOR

SOLAR POWERED BLINKING STOP SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

OPERATION NOTES:

1. WHEN DETECTION ZONES 11, 12, 13 OR 14 ARE ACTIVE, THE NB AND SB FLASHERS ARE ACTIVE.
2. WHEN DETECTION ZONE 21 IS ACTIVE, THE SB FLASHERS ARE ACTIVE.
3. WHEN DETECTION ZONE 31 IS ACTIVE, THE NB FLASHERS ARE ACTIVE.

TRAFFIC CONTROL SIGNAL
STH 83 & CTH L
TOWN OF WATERFORD
RACINE COUNTY

SIGNAL NO. F51-1497
CABINET TYPE: SUMMITCREST
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 7/7/22 — David A. Brantner, P.E. — REGION TRAFFIC ENGINEER

APPROVED
DATE 7/11/22 — STATE TRAFFIC ENGINEER

REGION CONTACT: D. BRANTNER
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 1 OF 6

7-7-22 JWG

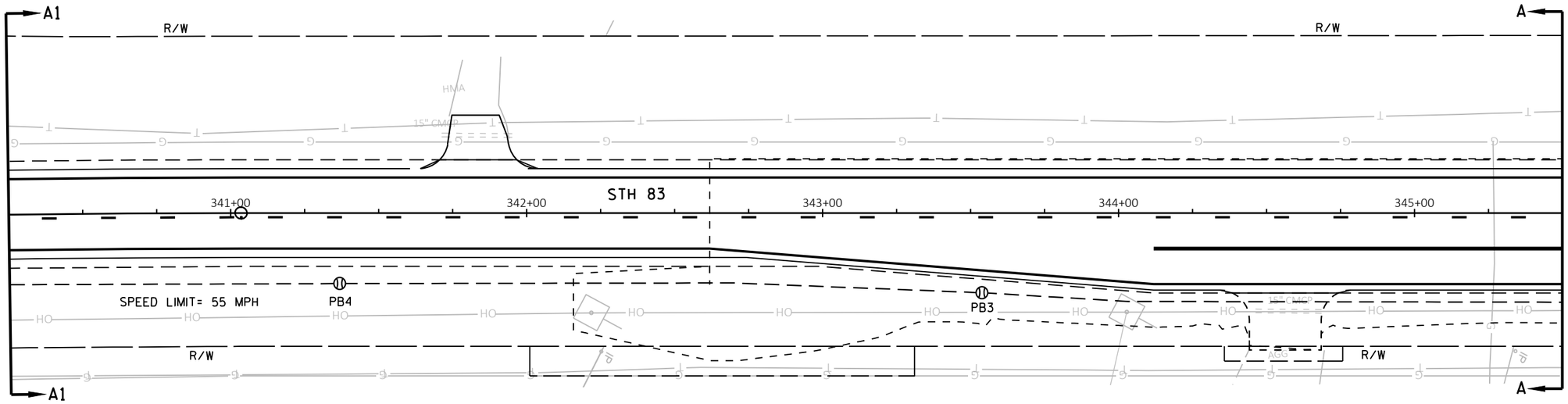
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 118	E

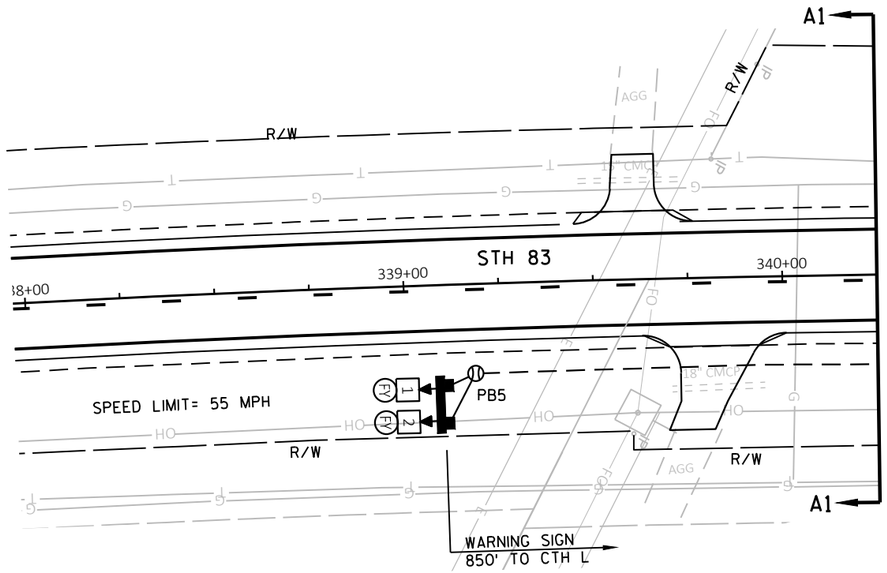
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LAYOUT NAME - F51-1497_pg1

PLOT DATE : 7/12/2022 7:34 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
STH 83 & CTH L
TOWN OF WATERFORD
RACINE COUNTY

SIGNAL NO. F51-1497

REGION CONTACT: D. BRANTNER
DESIGNED BY: C. VANDE LEEST
REVISED BY:

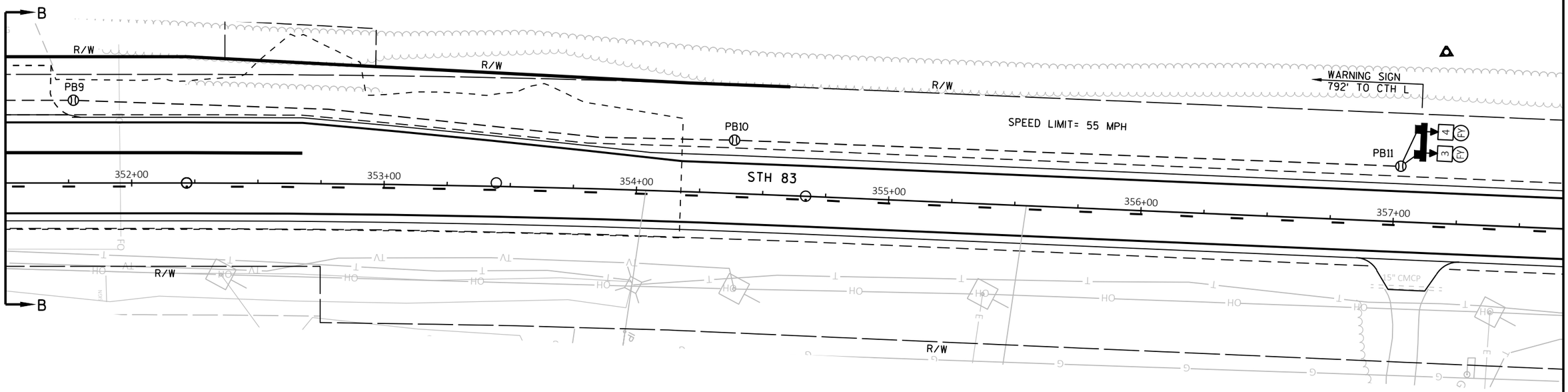
PAGE 2 OF 6

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 119	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIG\F51-1497\F51-1497.DWG
LAYOUT NAME - F51-1497_pg2

PLOT DATE : 7/12/2022 7:34 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : ##########

2



TRAFFIC CONTROL SIGNAL
STH 83 & CTH L
TOWN OF WATERFORD
RACINE COUNTY

SIGNAL NO. F51-1497

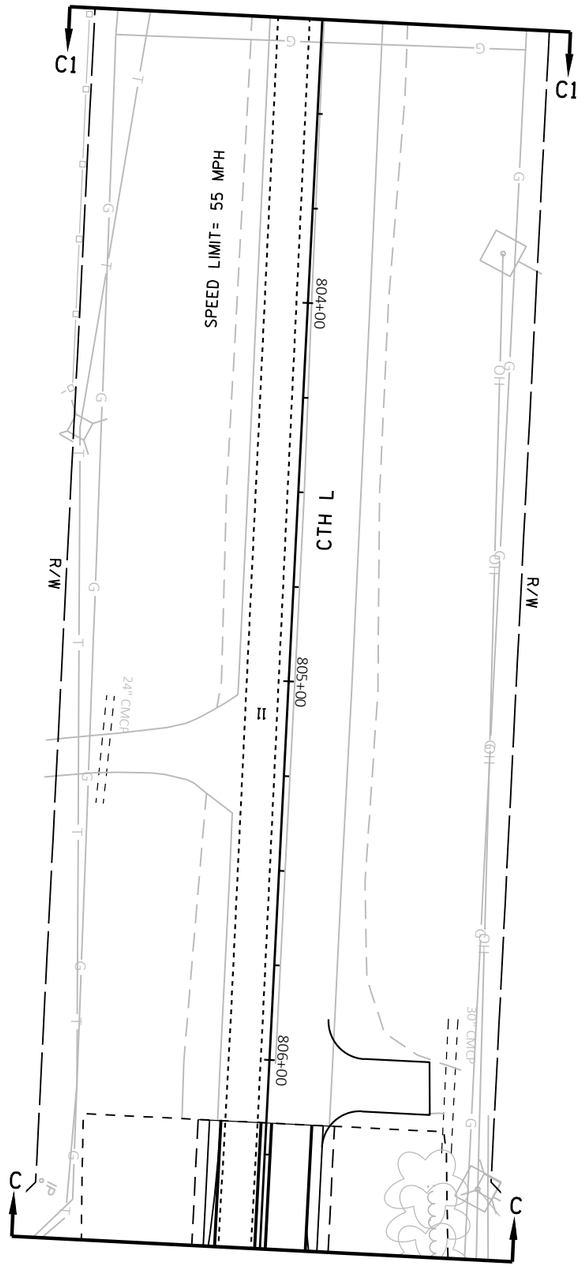
REGION CONTACT: D. BRANTNER
DESIGNED BY: C. VANDE LEEST
REVISED BY:

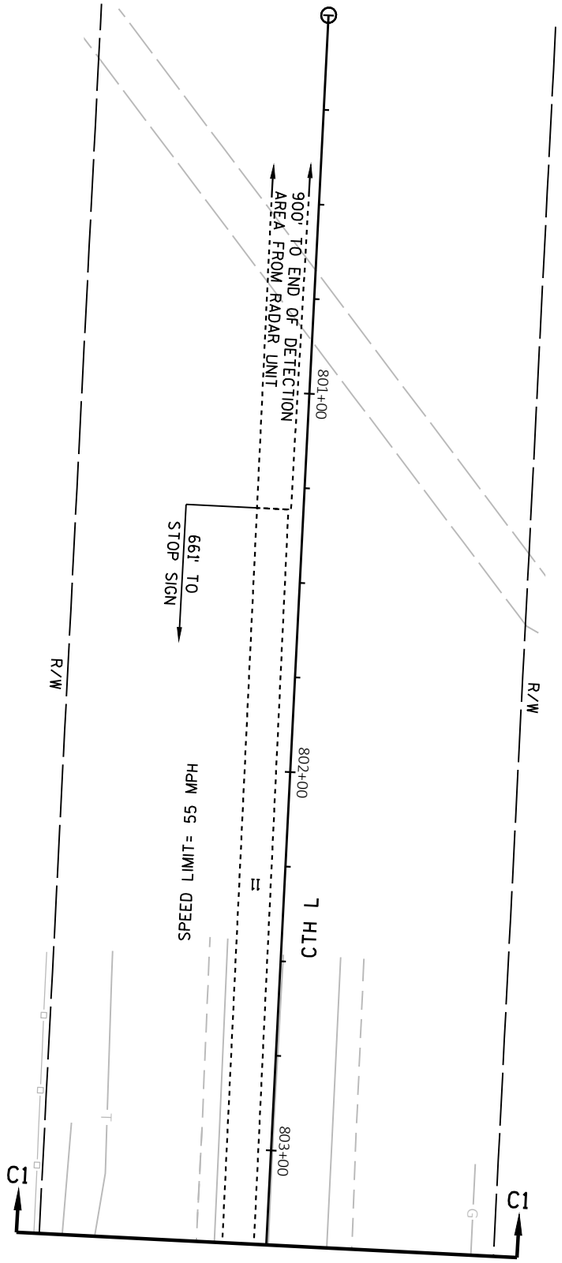
PAGE 3 OF 6

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 120	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIG\F51-1497\F51-1497.DWG
LAYOUT NAME - F51-1497_pg3

PLOT DATE : 7/12/2022 7:35 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : ##########





TRAFFIC CONTROL SIGNAL
STH 83 & CTH L
TOWN OF WATERFORD
RACINE COUNTY

SIGNAL NO. F51-1497

REGION CONTACT: D. BRANTNER
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 4 OF 6

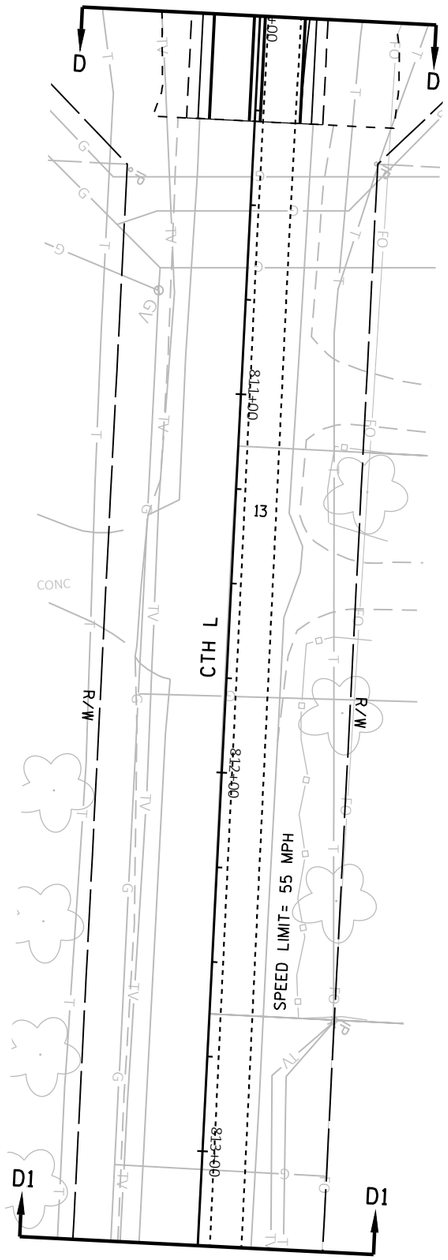
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 121	E

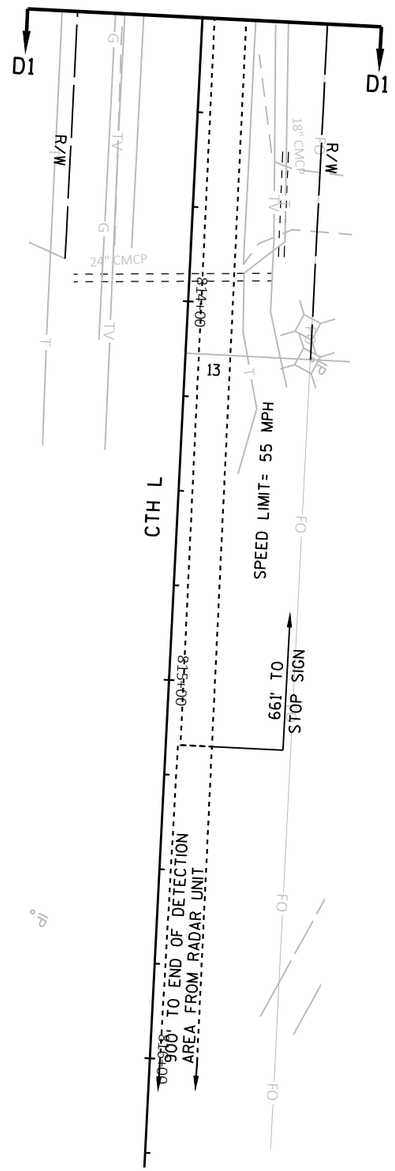
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LAYOUT NAME - F51-1497_pg4

PLOT DATE : 7/12/2022 7:35 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
STH 83 & CTH L
TOWN OF WATERFORD
RACINE COUNTY

SIGNAL NO. F51-1497

REGION CONTACT: D. BRANTNER
DESIGNED BY: C. VANDE LEEST
REVISED BY:

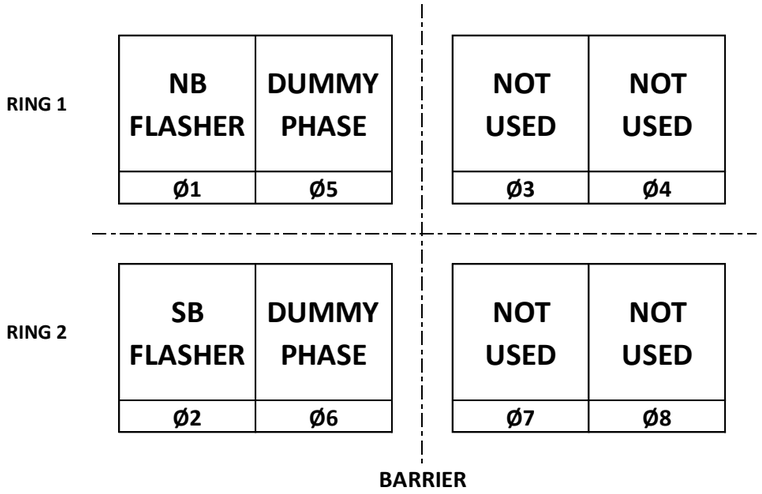
PAGE 5 OF 6

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 122	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIG\F51-1497\F51-1497.DWG
LAYOUT NAME - F51-1497_pg5

PLOT DATE : 7/12/2022 7:35 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	1,2	FY
Ø2	3,4	FY
Ø3		
Ø4		
Ø5		
Ø6		
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF		
OLG		
OLH		





CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				X
2				X
3				
4				
5			MIN	X
6			MIN	X
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: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	1	1 & 2	1 & 2					
PLAN LOOP DETECTOR*(S)	21	11	13					
CALLED PHASE	2	1 & 2	1 & 2					
CALL OPTION	X	X	X					
DELAY TIME								
EXTENTION OPTION	X	X	X					
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	2	1 & 2	1 & 2					
PLAN LOOP DETECTOR*(S)	31	12	14					
CALLED PHASE	1	1 & 2	1 & 2					
CALL OPTION	X	X	X					
DELAY TIME								
EXTENTION OPTION	X	X	X					
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

GENERAL NOTES:

1. WHEN DETECTION ZONES 11,12,13, OR 14 ARE ACTIVE, THE NB AND SB FLASHERS ARE ACTIVE.
2. WHEN DETECTION ZONE 21 IS ACTIVE, THE SB FLASHERS ARE ACTIVE.
3. WHEN DETECTION ZONE 31 IS ACTIVE, THE NB FLASHERS ARE ACTIVE.
4. DUMMY PHASES PRESENT TO PROVIDE AN OFF CYCLE FOR THE BEACONS.

STH 83 & CTH L
TOWN OF WATERFORD
RACINE COUNTY

SIGNAL NO: F51-1497 CABINET TYPE: SUMMITCREST
CONTROLLER TYPE: ECONOLITE
DATE: 07/22 PAGE NUMBER: 6 OF 6

FILE NAME: C:\BoxDrv\Box\DTSD\DTSD-SER\OPS\Traffic\Signals\Databases\Signal Intersection Files\F51-1497\PLANS\TS2-S_E_FYA_EFGH_Econolite_SEQ.xlsx PLOT DATE: 7/7/2022 PLOT NAME: TS2-S_E_FYA_EFGH_Econolite_SEQ.xlsx PLOT BY: PLOT SCALE: 1:1

2

PROJECT ID:	1300-09-70
INTERSECTION:	STH 83 & CTH L

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

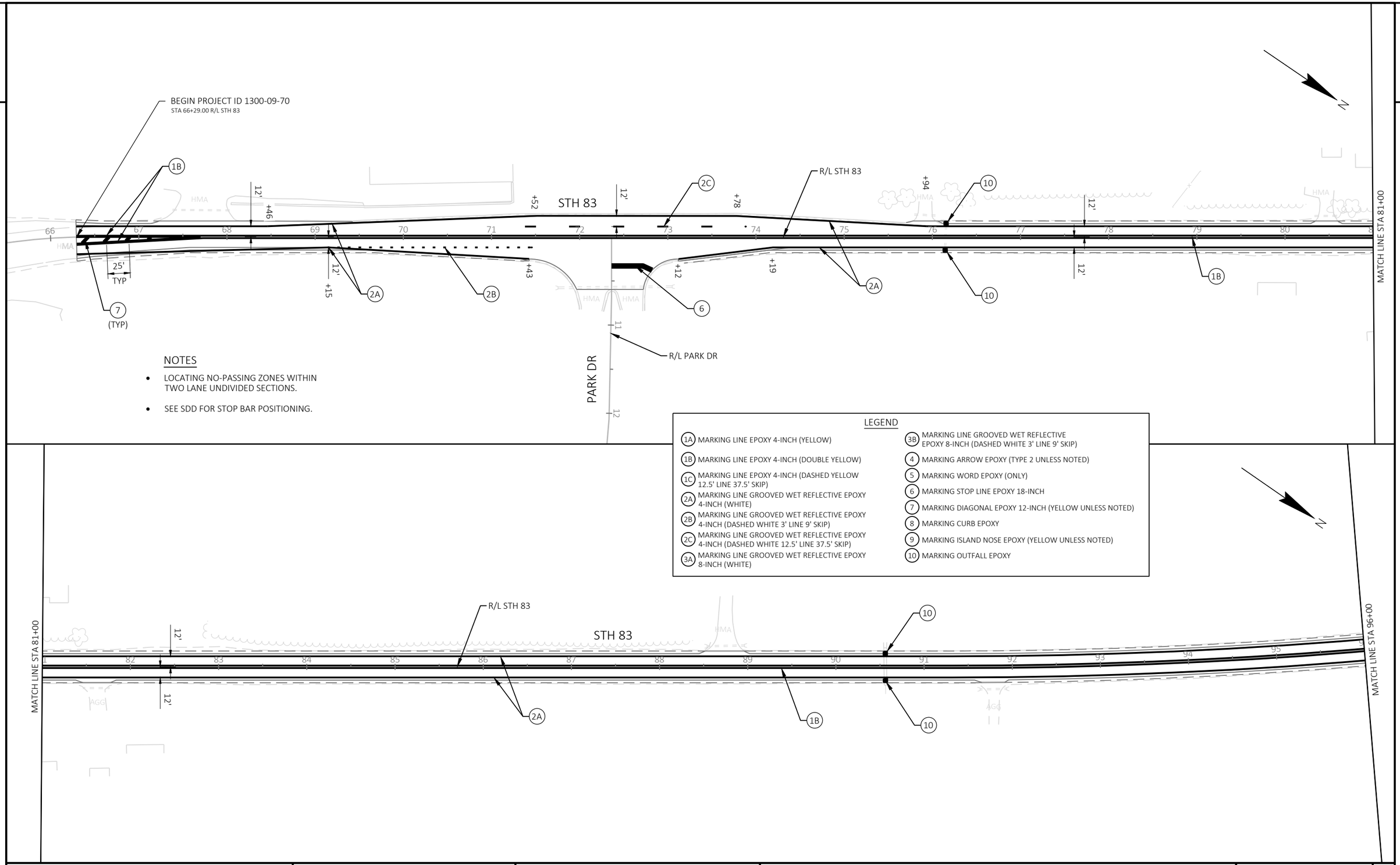
CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	FUTURE APS
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
PB5 SIGN	5	1		BLK									
		2		RED									
PB11 SIGN	5	3		BLK									
		4		RED									

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	RE2
SB1	RM2
SB2	RE1
SB3	RM1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
CB1	PB1
PB1	SB1
PB1	PB2
PB2	PB3
PB3	PB4
PB4	PB5
PB5	C CONDULET
PB1	PB6
PB6	SB2
PB6	PB7
PB7	PB8
PB8	SB3
PB1	PB13
PB13	PB12
PB12	PB8
PB8	PB9
PB9	PB10
PB10	PB11
PB11	C CONDULET

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB2
CB1	SB4

Radar Detection Cable	
From	To
CB1	SB1 - RE2
CB1	SB1 - RM2
CB1	SB2 - RE1
CB1	SB3 - RM1



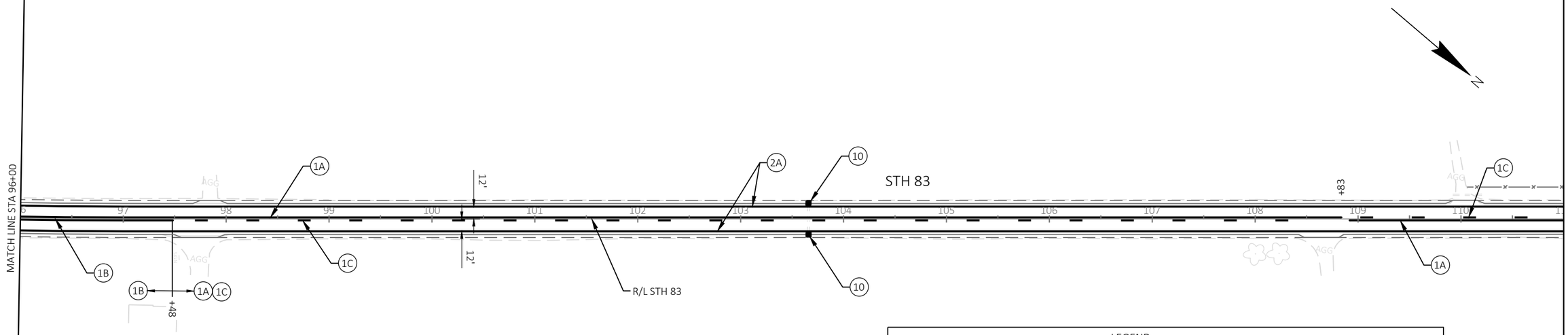
NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.

LEGEND

1A MARKING LINE EPOXY 4-INCH (YELLOW)	3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
1C MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)	5 MARKING WORD EPOXY (ONLY)
2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)	6 MARKING STOP LINE EPOXY 18-INCH
2B MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)	7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)	8 MARKING CURB EPOXY
3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)	9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
	10 MARKING OUTFALL EPOXY

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 125	E

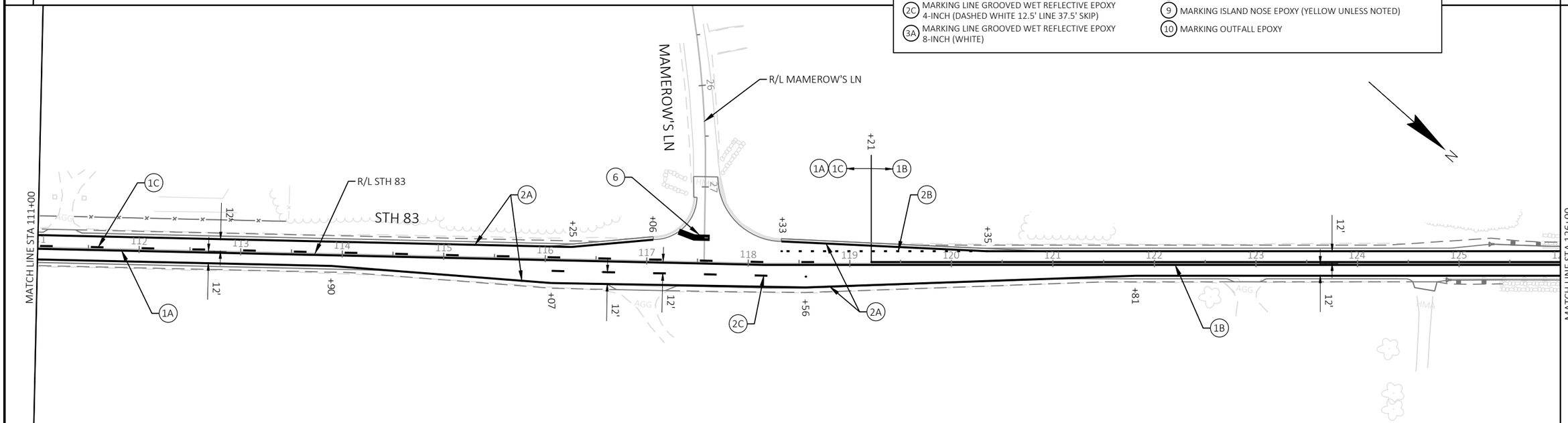


NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.

LEGEND

- 1A MARKING LINE EPOXY 4-INCH (YELLOW)
- 1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 1C MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)
- 2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- 2B MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)
- 2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
- 3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
- 3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
- 4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
- 5 MARKING WORD EPOXY (ONLY)
- 6 MARKING STOP LINE EPOXY 18-INCH
- 7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- 8 MARKING CURB EPOXY
- 9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- 10 MARKING OUTFALL EPOXY



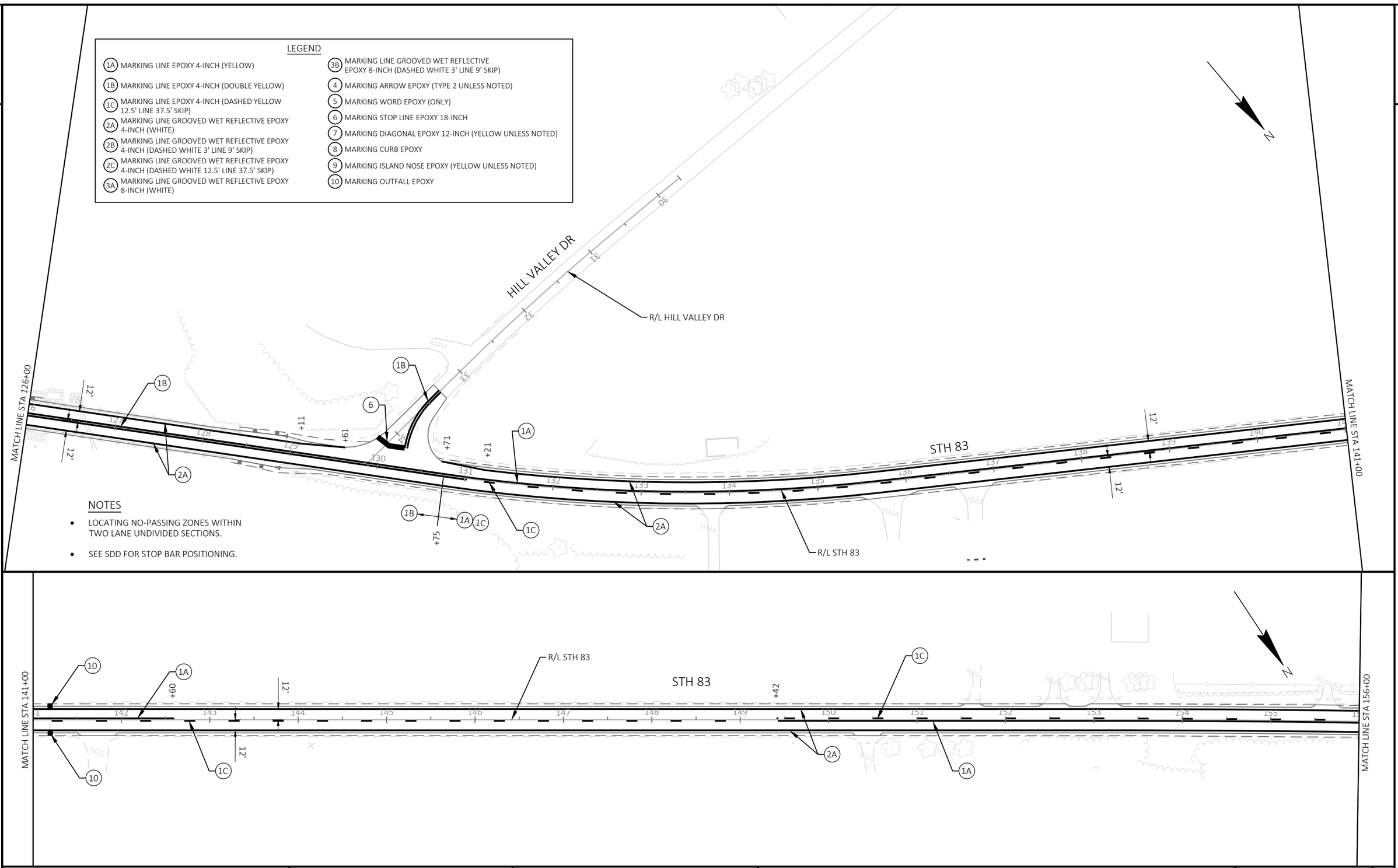
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 126	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 02-pm
PLOT DATE : 10/11/2022 11:03 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- (1A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (1B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (1C) MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)
- (2A) MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- (2B) MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)
- (2C) MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
- (3A) MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
- (3B) MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
- (4) MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
- (5) MARKING WORD EPOXY (ONLY)
- (6) MARKING STOP LINE EPOXY 18-INCH
- (7) MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- (8) MARKING CURB EPOXY
- (9) MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- (10) MARKING OUTFALL EPOXY

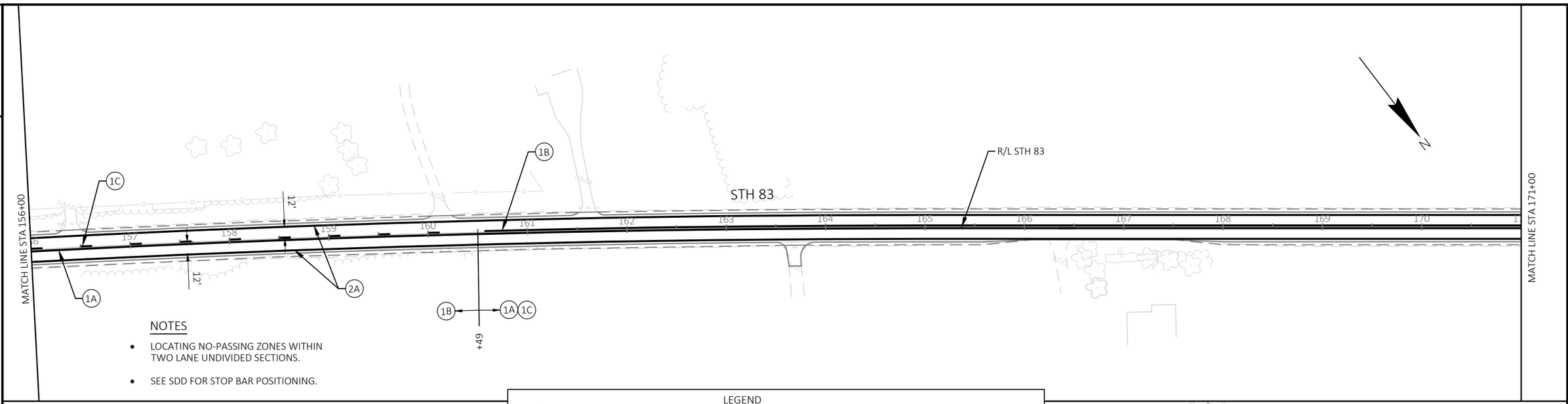


NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 127	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 03-pm
PLOT DATE : 10/11/2022 11:04 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

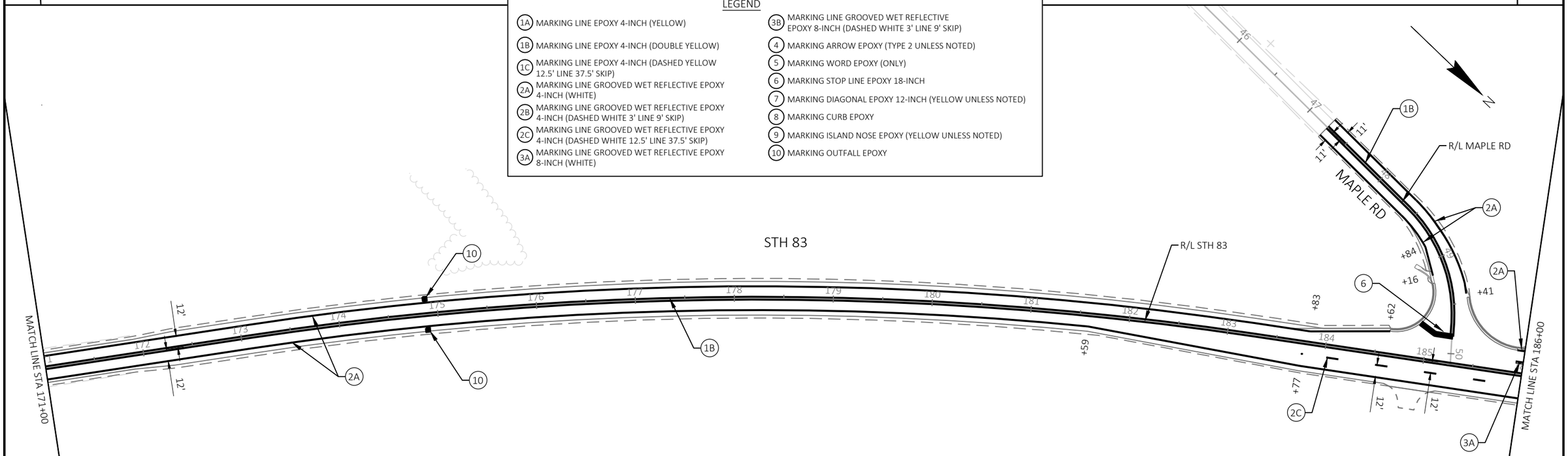


NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.

LEGEND

- 1A MARKING LINE EPOXY 4-INCH (YELLOW)
- 1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 1C MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)
- 2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- 2B MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)
- 2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
- 3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
- 3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
- 4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
- 5 MARKING WORD EPOXY (ONLY)
- 6 MARKING STOP LINE EPOXY 18-INCH
- 7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- 8 MARKING CURB EPOXY
- 9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- 10 MARKING OUTFALL EPOXY



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 128	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 04-pm

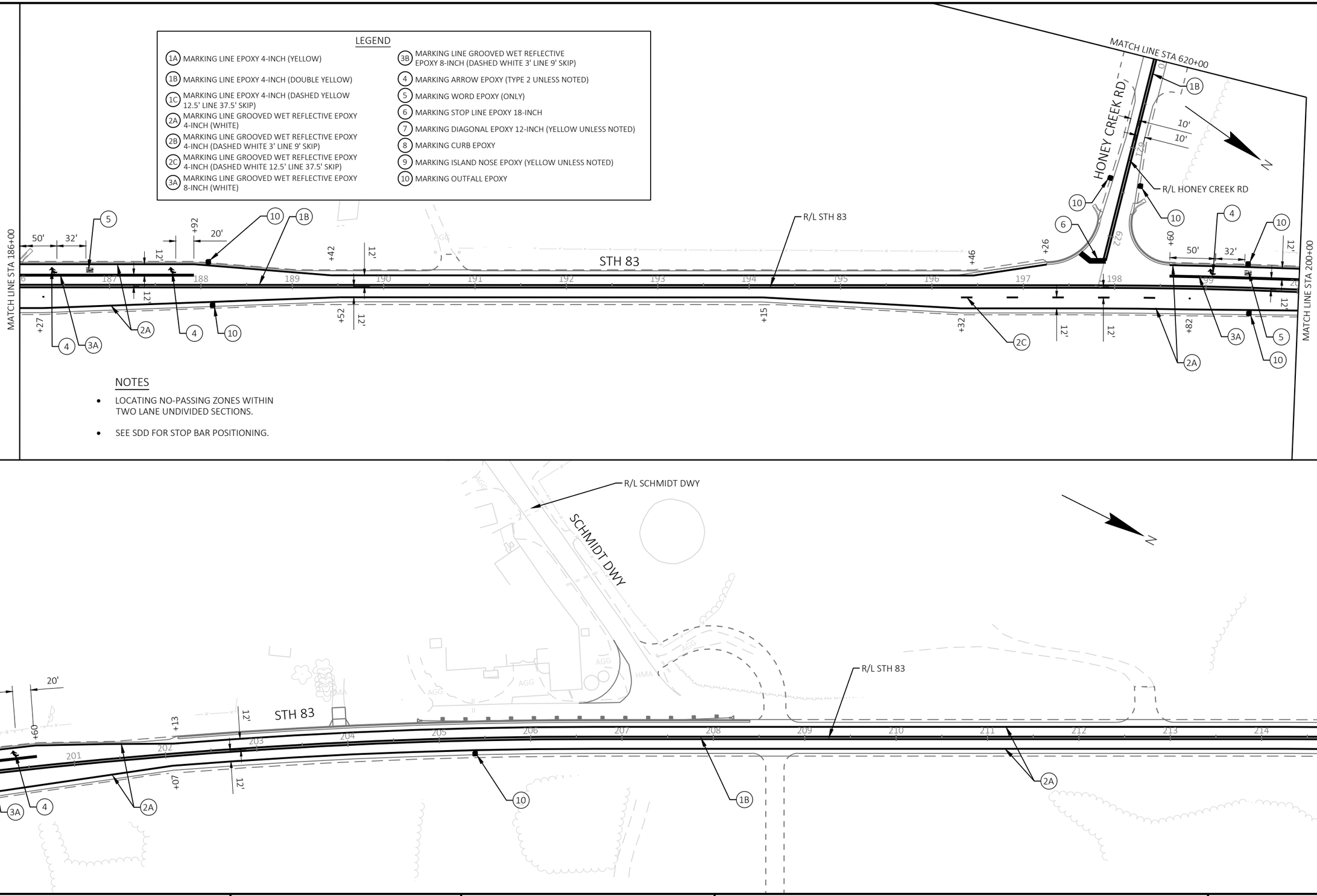
PLOT DATE : 10/11/2022 11:04 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- (1A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (1B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (1C) MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)
- (2A) MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- (2B) MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)
- (2C) MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
- (3A) MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
- (3B) MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
- (4) MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
- (5) MARKING WORD EPOXY (ONLY)
- (6) MARKING STOP LINE EPOXY 18-INCH
- (7) MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- (8) MARKING CURB EPOXY
- (9) MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- (10) MARKING OUTFALL EPOXY



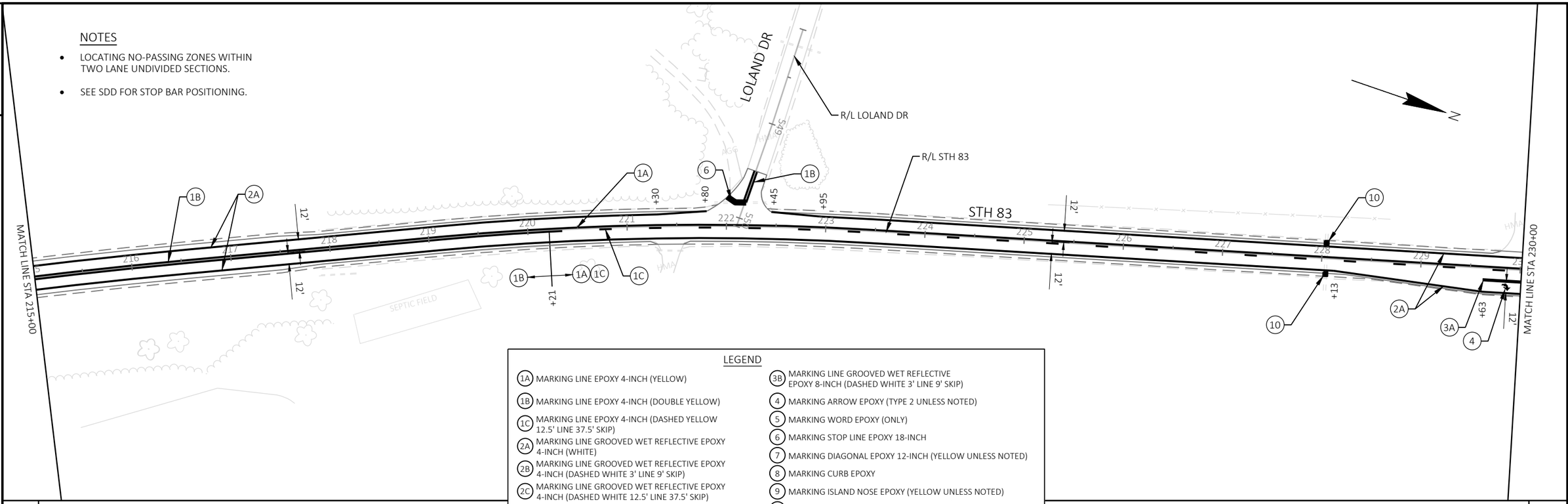
NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 129	E

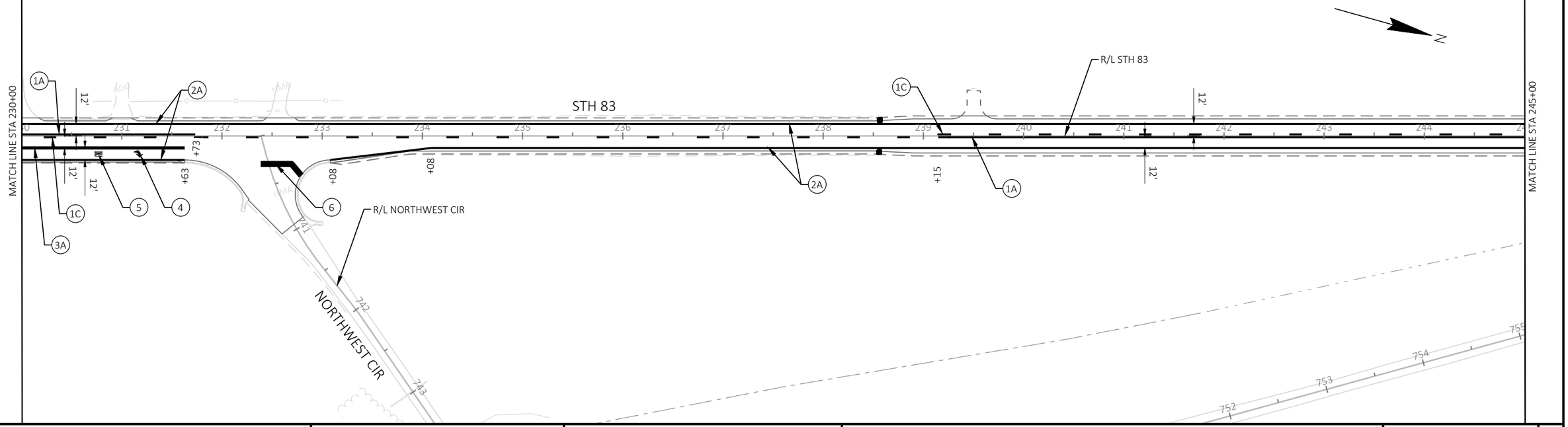
NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.



LEGEND

1A MARKING LINE EPOXY 4-INCH (YELLOW)	3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
1C MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)	5 MARKING WORD EPOXY (ONLY)
2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)	6 MARKING STOP LINE EPOXY 18-INCH
2B MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)	7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)	8 MARKING CURB EPOXY
3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)	9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
	10 MARKING OUTFALL EPOXY

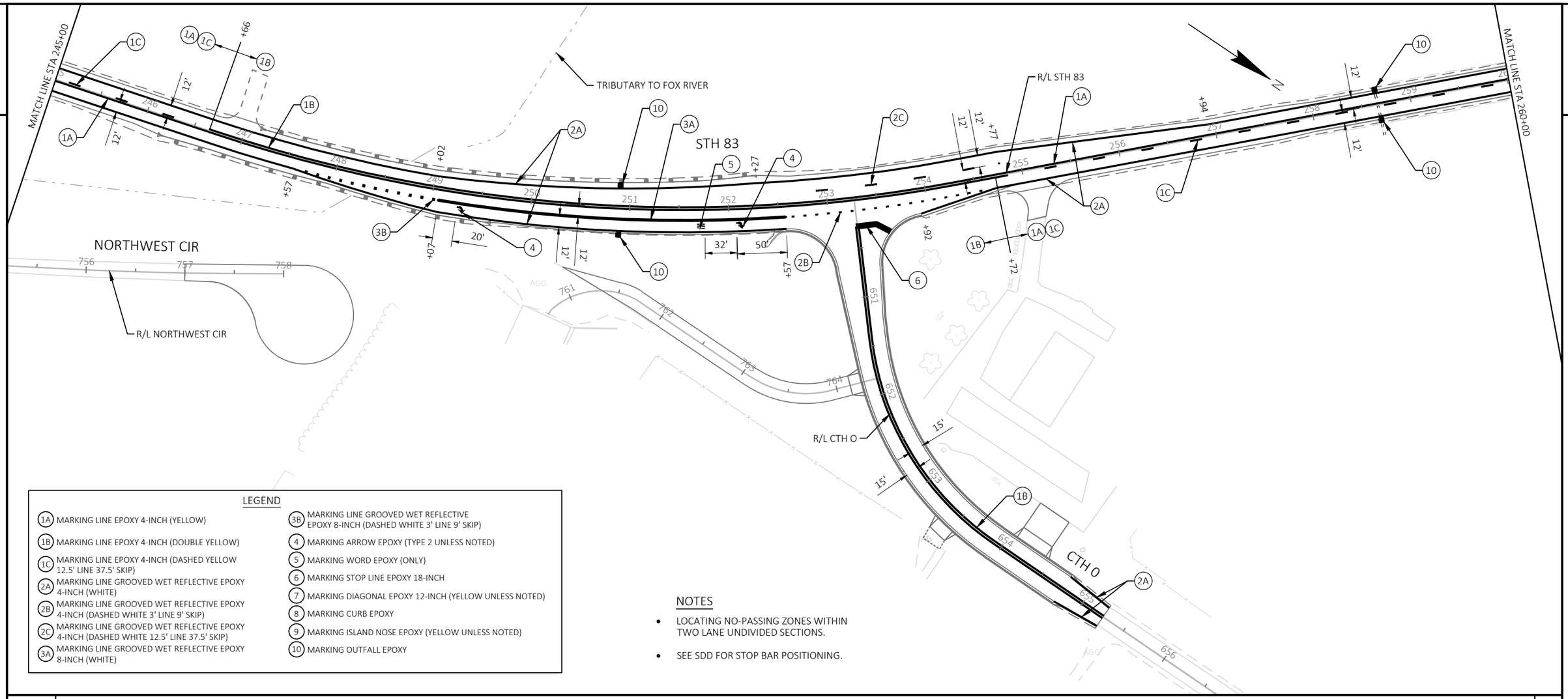


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 130	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 06-pm

PLOT DATE : 10/11/2022 11:06 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

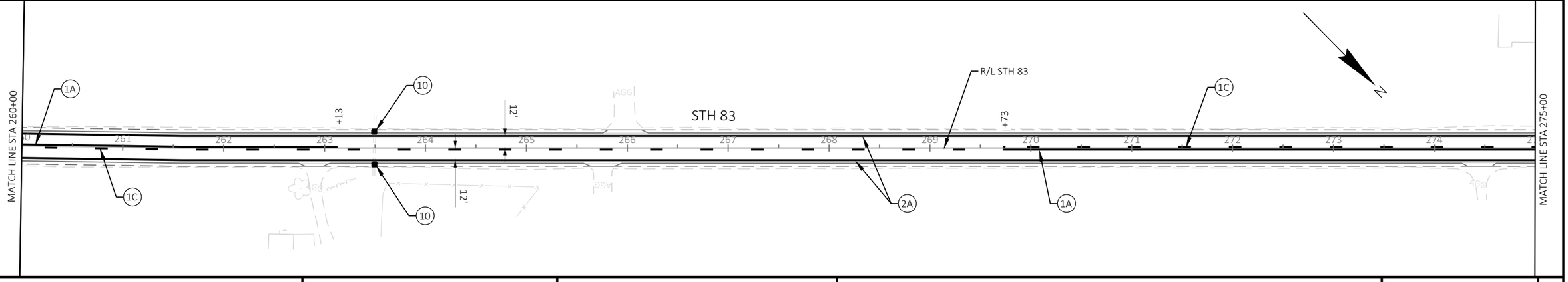


LEGEND

- 1A MARKING LINE EPOXY 4-INCH (YELLOW)
- 1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 1C MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)
- 2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- 2B MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)
- 2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
- 3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
- 3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
- 4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
- 5 MARKING WORD EPOXY (ONLY)
- 6 MARKING STOP LINE EPOXY 18-INCH
- 7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- 8 MARKING CURB EPOXY
- 9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- 10 MARKING OUTFALL EPOXY

NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.

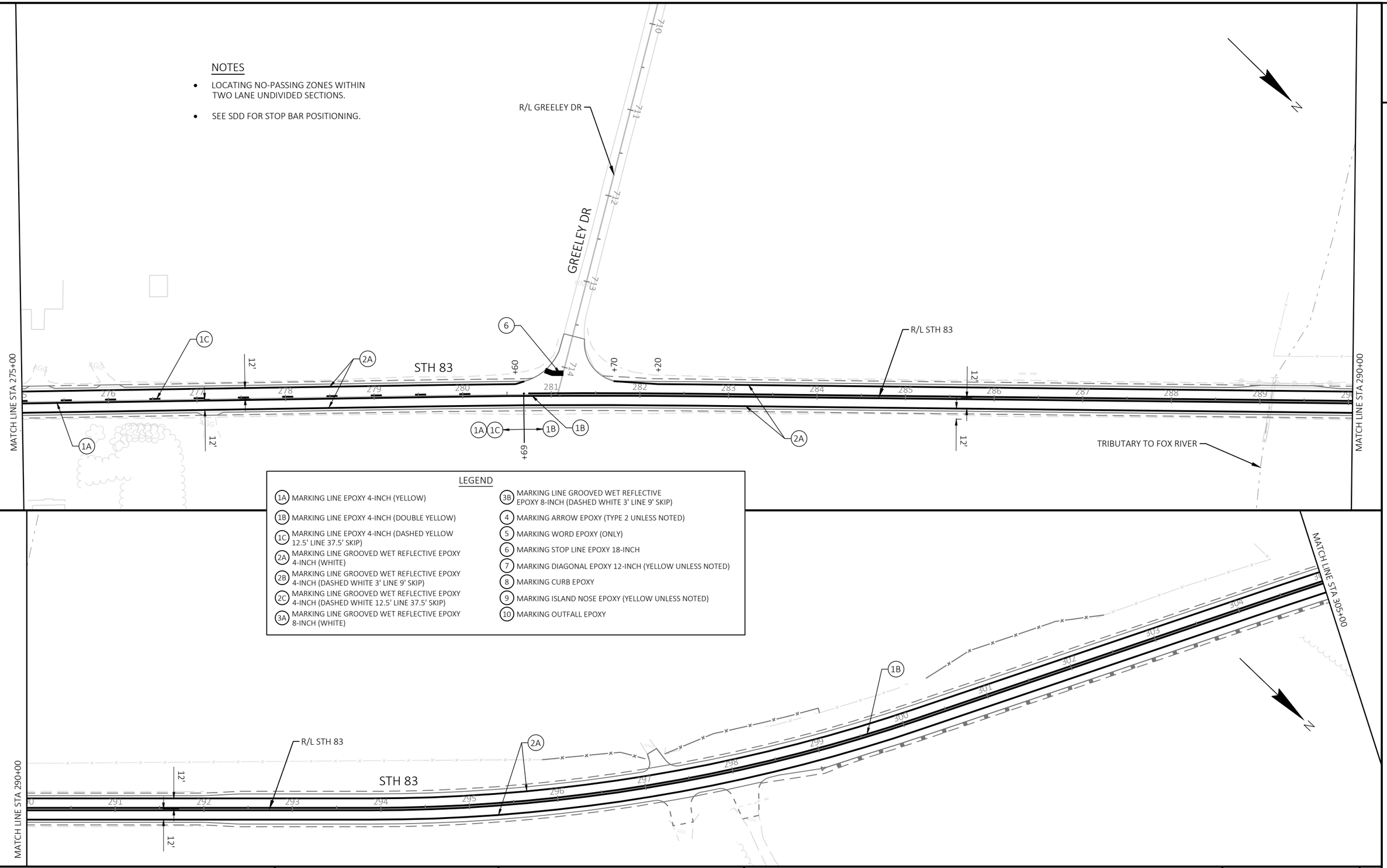


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 131	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 07-pm
PLOT DATE : 10/11/2022 11:06 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

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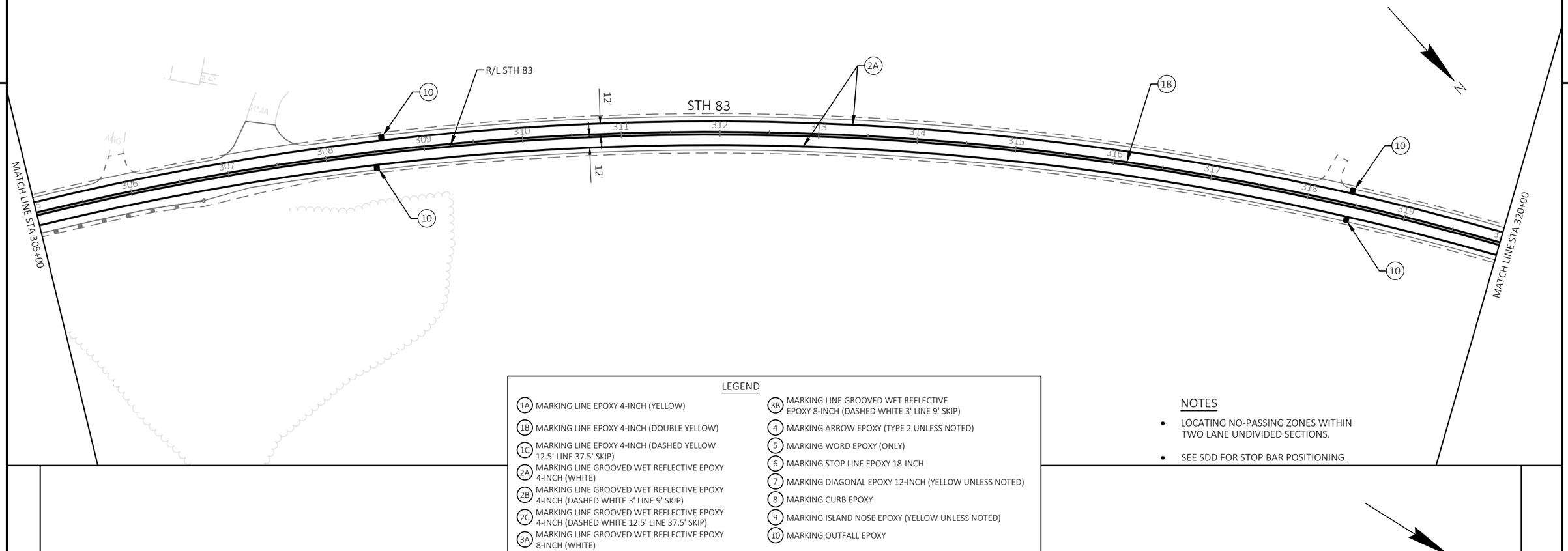
- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.



LEGEND

1A MARKING LINE EPOXY 4-INCH (YELLOW)	3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
1C MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)	5 MARKING WORD EPOXY (ONLY)
2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)	6 MARKING STOP LINE EPOXY 18-INCH
2B MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)	7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)	8 MARKING CURB EPOXY
3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)	9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
	10 MARKING OUTFALL EPOXY

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 132	E

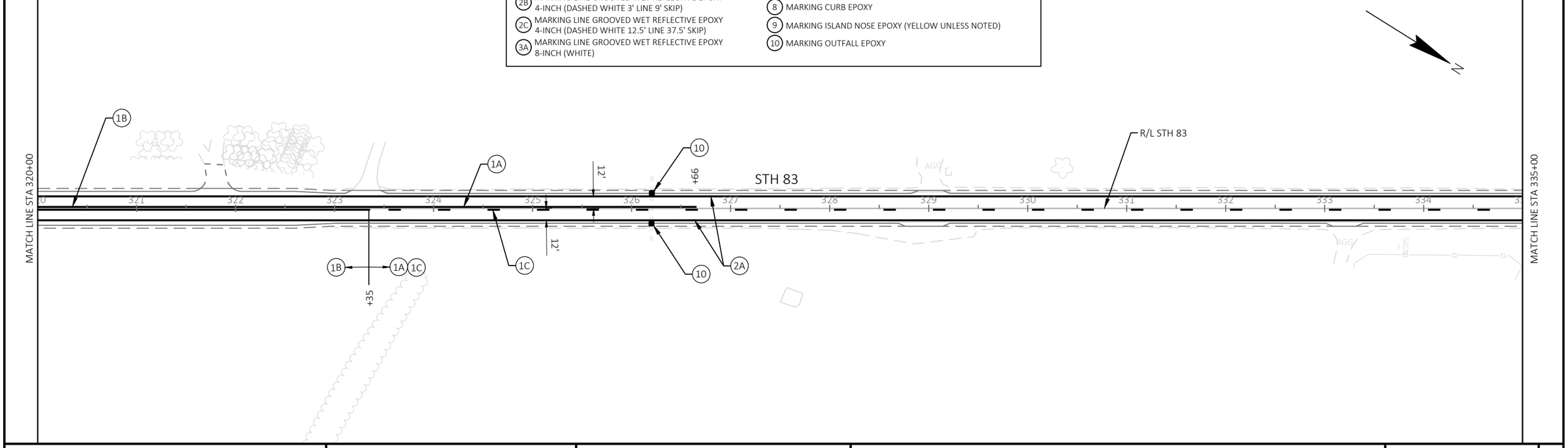


LEGEND

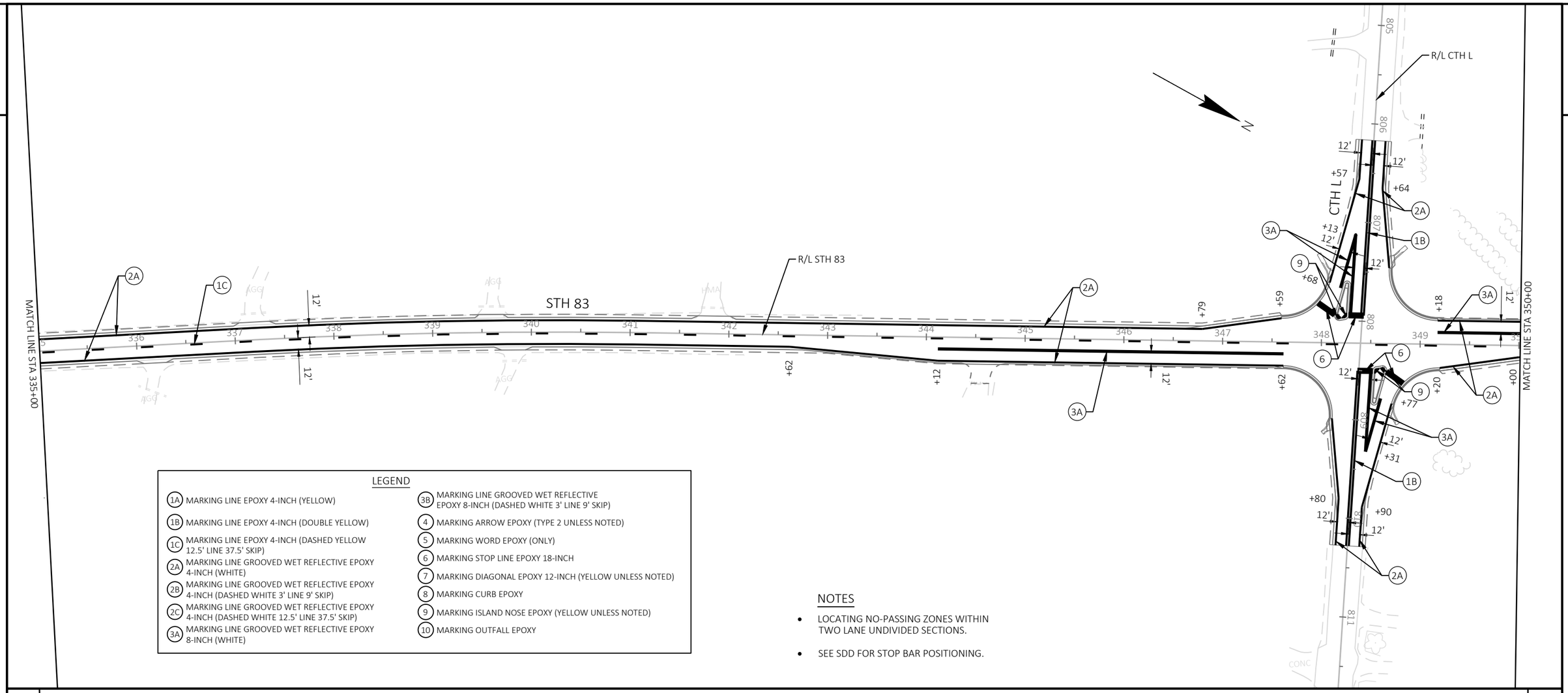
- (1A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (1B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (1C) MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)
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- (2C) MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
- (3A) MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
- (3B) MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
- (4) MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
- (5) MARKING WORD EPOXY (ONLY)
- (6) MARKING STOP LINE EPOXY 18-INCH
- (7) MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- (8) MARKING CURB EPOXY
- (9) MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- (10) MARKING OUTFALL EPOXY

NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 133	E

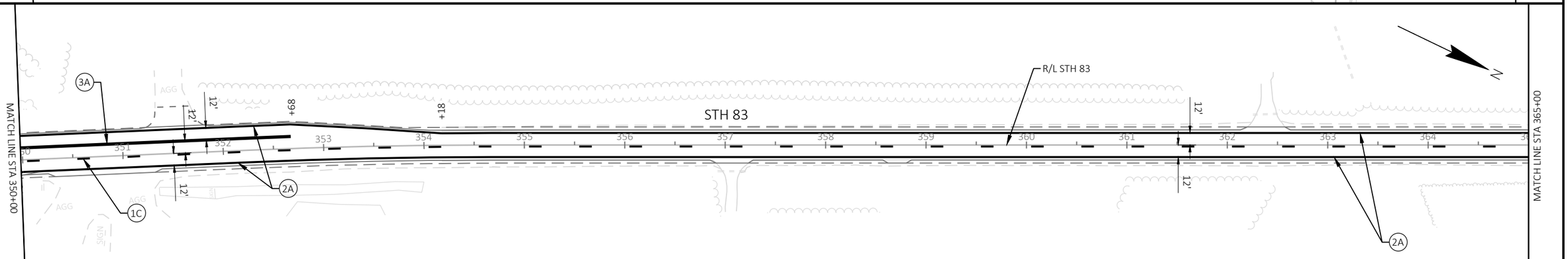


LEGEND

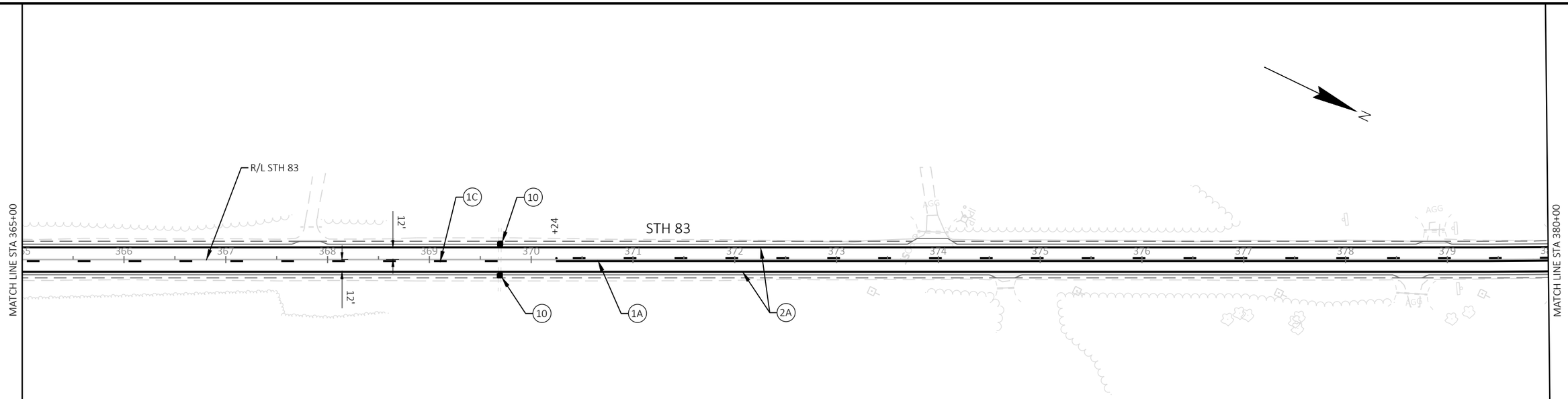
- 1A MARKING LINE EPOXY 4-INCH (YELLOW)
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- 3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
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- 7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- 8 MARKING CURB EPOXY
- 9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- 10 MARKING OUTFALL EPOXY

NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 134	E

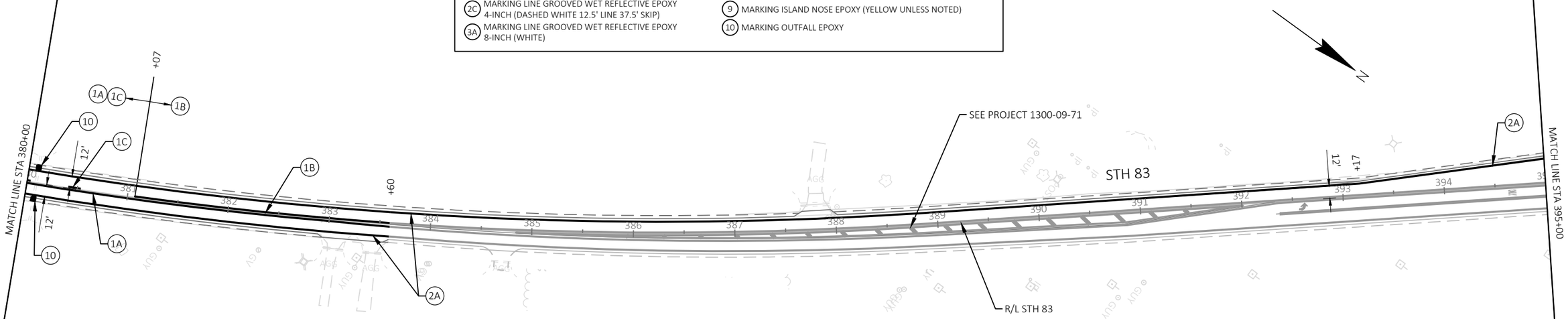


NOTES

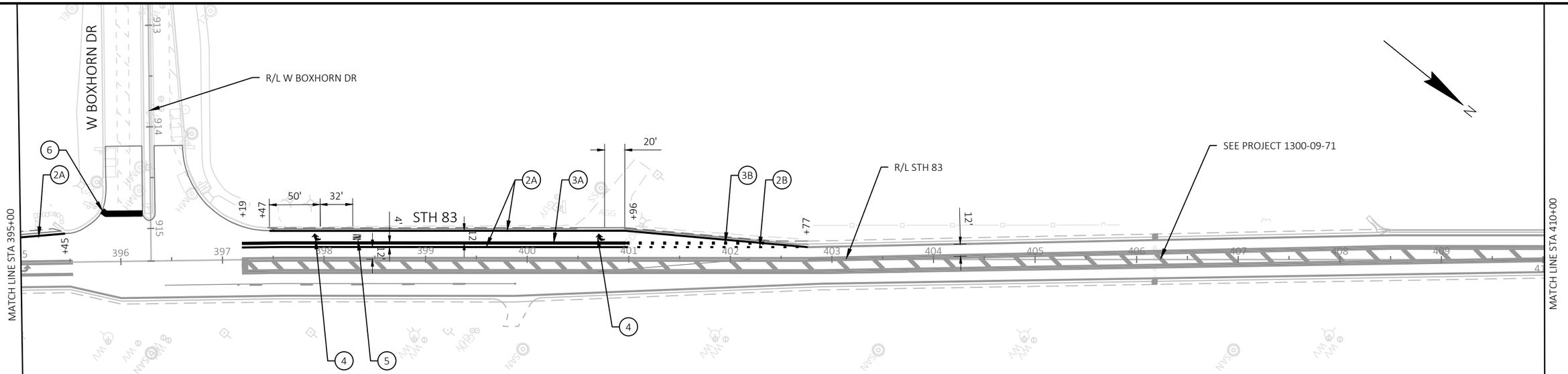
- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.

LEGEND

- (1A) MARKING LINE EPOXY 4-INCH (YELLOW)
- (1B) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
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- (7) MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- (8) MARKING CURB EPOXY
- (9) MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- (10) MARKING OUTFALL EPOXY



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 135	E

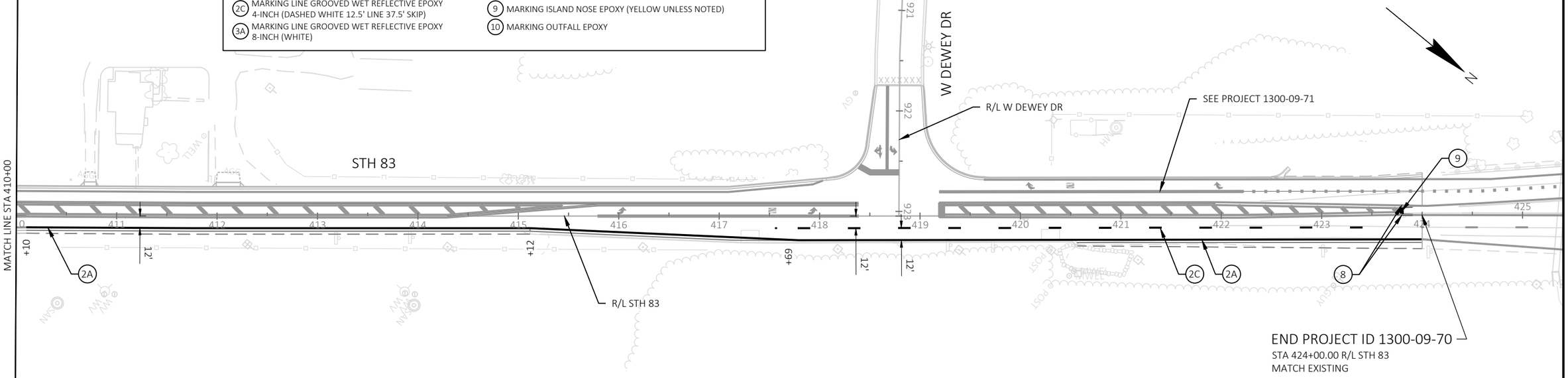


LEGEND

- 1A MARKING LINE EPOXY 4-INCH (YELLOW)
- 1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 1C MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)
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- 8 MARKING CURB EPOXY
- 9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- 10 MARKING OUTFALL EPOXY

NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.

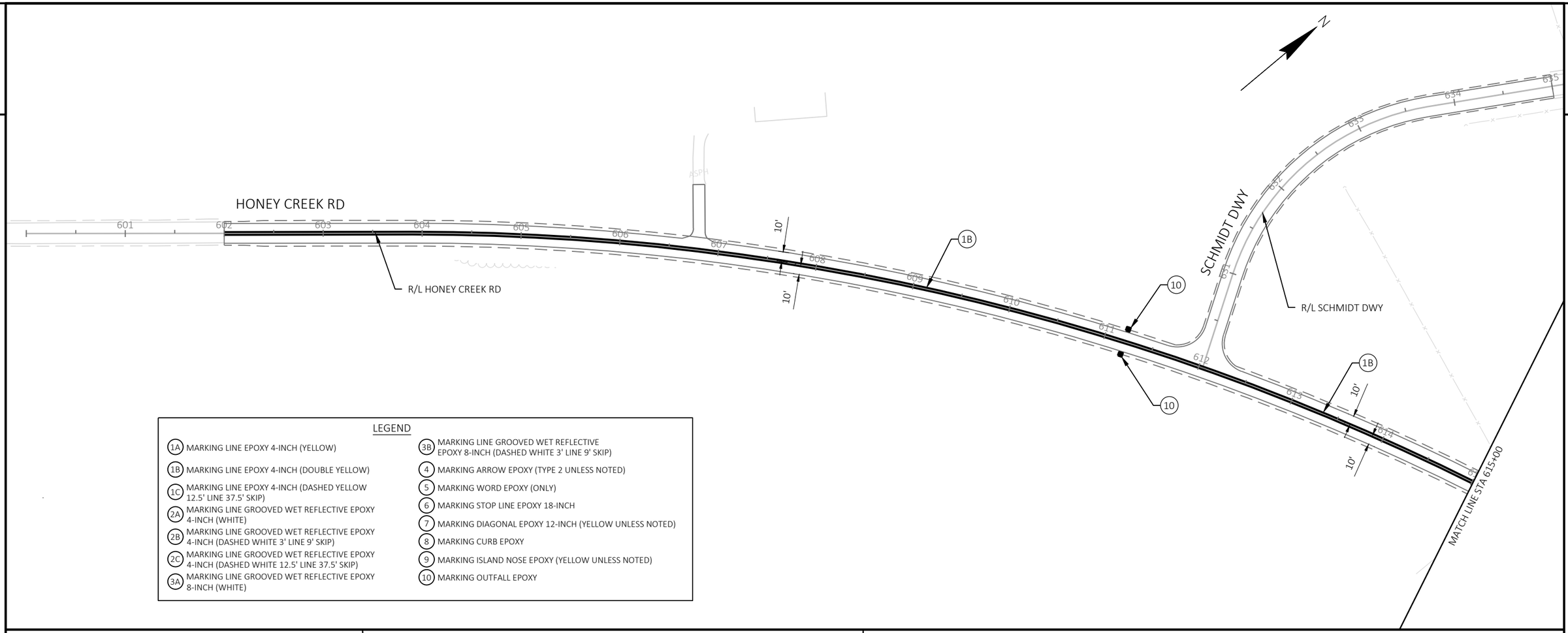


END PROJECT ID 1300-09-70
STA 424+00.00 R/L STH 83
MATCH EXISTING

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 136	E

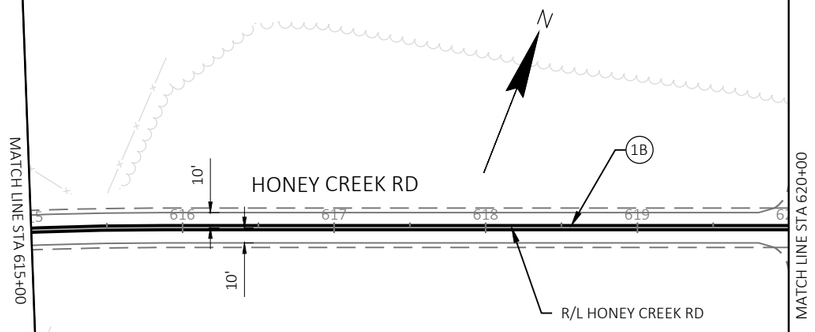
FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 12-pm
PLOT DATE : 10/11/2022 11:09 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2



LEGEND

- 1A MARKING LINE EPOXY 4-INCH (YELLOW)
- 1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 1C MARKING LINE EPOXY 4-INCH (DASHED YELLOW 12.5' LINE 37.5' SKIP)
- 2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- 2B MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)
- 2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
- 3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
- 3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
- 4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
- 5 MARKING WORD EPOXY (ONLY)
- 6 MARKING STOP LINE EPOXY 18-INCH
- 7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- 8 MARKING CURB EPOXY
- 9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- 10 MARKING OUTFALL EPOXY



NOTES

- LOCATING NO-PASSING ZONES WITHIN TWO LANE UNDIVIDED SECTIONS.
- SEE SDD FOR STOP BAR POSITIONING.

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PAVEMENT MARKING	SHEET 137	E

2

GENERAL NOTES FOR TRAFFIC CONTROL

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

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER.

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

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

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

ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED AND BE EQUIPPED WITH TWO TYPE "A" LOW INTENSITY FLASHING LIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 500' IN FRONT OF THE DRUMS.

ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE ROADWAY IS RESTORED TO A SAFE OPERATING CONDITION.

LEGEND

- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS
- TYPE III BARRICADE WTH ATTACHED SIGN AND TWO TYPE "A" LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- Ⓐ TYPE A WARNING LIGHT (FLASHING)
- Ⓒ TYPE C WARNING LIGHT (STEADY BURN)
- MB TRAFFIC CONTROL PCMS
- WORK AREA
- DIRECTION OF TRAFFIC

NON-STANDARD WORK ZONE TRAFFIC CONTROL SIGNS

A



WO16-7L
24"X12"

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - GENERAL NOTES AND LEGEND	SHEET 138	E

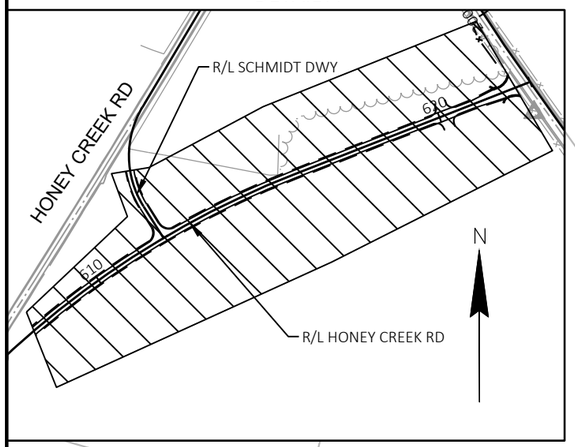
STAGE 1 - CONSTRUCTION

BEGIN GRADING FOR NEW SIDE ROAD ALIGNMENTS (HONEY CREEK RD AND CTH O).

STAGE 1 - TRAFFIC

ALL TRAFFIC TO BE ON EXISTING ROADWAYS.

DETAIL A



TOWN OF EAST TROY

WALWORTH COUNTY / RACINE COUNTY

WALWORTH COUNTY / WAUKESHA COUNTY

RACINE COUNTY / WAUKESHA COUNTY

VILLAGE OF MUKWONAGO

END PROJECT
STA. 424+00.00

BEGIN PROJECT
STA. 66+29.00

SEE DETAIL A

SEE DETAIL B

HONEY CREEK RD

SCHMIDT DWY

MAPLE RD

MAPLE AVE

GREELEY DR

LOLAND DR

HILL VALLEY DR

MAMEROW'S LN

NORTHWEST CIR

CTH L

CTH O

E WOLF RUN

IH 43

STH 20

STH 83

STH 20 / STH 83

PARK DR

PLEASANT RD

TERRITORIAL DR

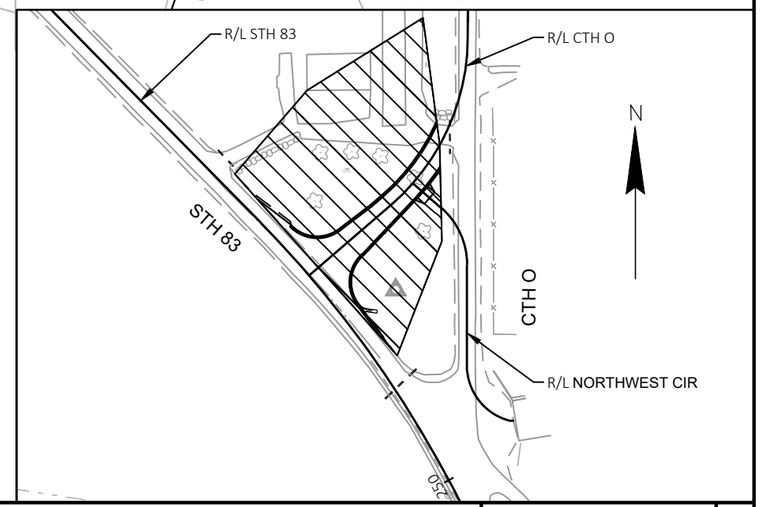
TOWN OF WATERFORD

NOTE: MAMEROW'S LANE, LOLAND DRIVE AND GREELEY DRIVE ARE DEAD END ROADS.

LEGEND

WORK AREA

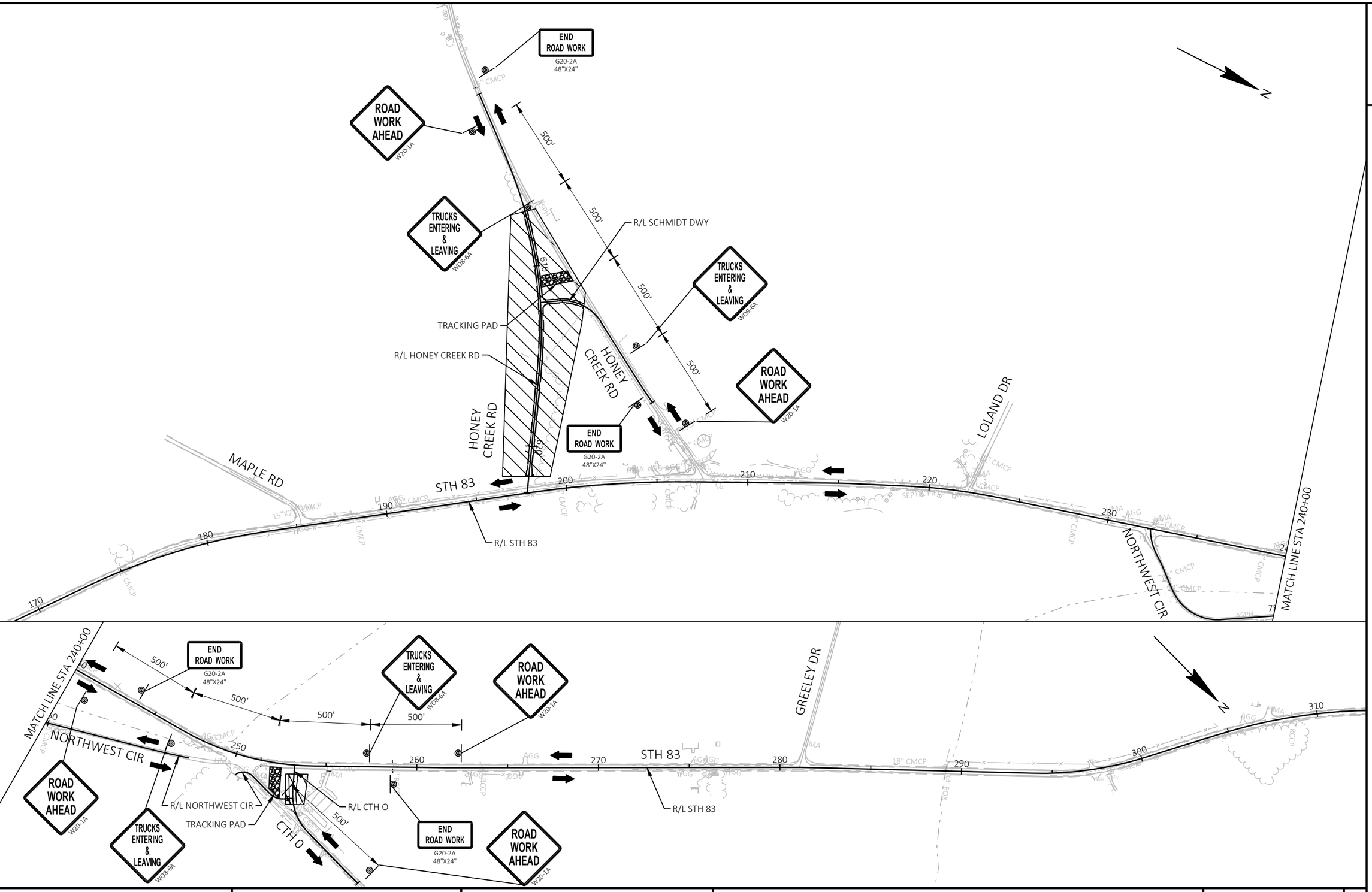
DETAIL B



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET 139	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025001-tc-s1
PLOT DATE : 10/2/2022 9:54 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:0.5 MI
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 1	SHEET 140 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026002_s1

PLOT DATE : 10/2/2022 12:24 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

STAGE 2 - CONSTRUCTION

CONSTRUCT RECONSTRUCTION SEGMENTS IN THE FOLLOWING LOCATIONS:
- SECTION 1 : STA 171+90 TO STA 217+90
- SECTION 2 : STA 238+50 TO STA 258+00
- SECTION 3 : STA 292+00 TO STA 323+00

CONSTRUCT TURNING LANES AT CTH L INTERSECTION.

COMPLETE SIDE ROAD CONSTRUCTION ON NEW ALIGNMENTS (HONEY CREEK RD AND CTH O).

CONSTRUCT UP TO BOTTOM OF SURFACE COURSE IN RECONSTRUCTION SECTIONS.

REPLACE AND REGRADE CULVERTS IN RESURFACE SECTIONS:
- STA 76+15
- STA 103+66
- STA 141+19

INSTALL STORM SEWER STRUCTURES AT PARK DR INTERSECTION.

STAGE 2 - TRAFFIC

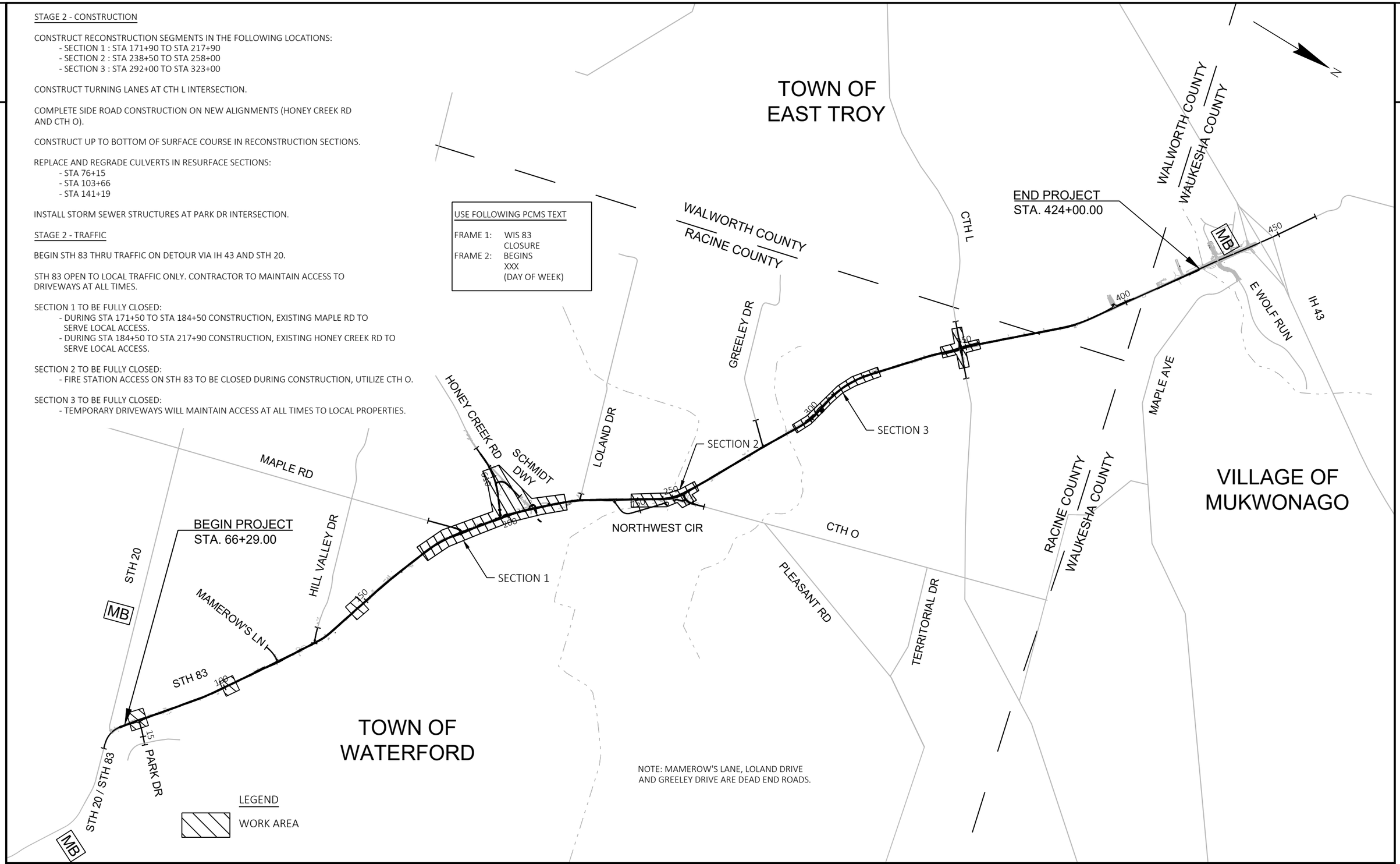
BEGIN STH 83 THRU TRAFFIC ON DETOUR VIA IH 43 AND STH 20.

STH 83 OPEN TO LOCAL TRAFFIC ONLY. CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.

SECTION 1 TO BE FULLY CLOSED:
- DURING STA 171+50 TO STA 184+50 CONSTRUCTION, EXISTING MAPLE RD TO SERVE LOCAL ACCESS.
- DURING STA 184+50 TO STA 217+90 CONSTRUCTION, EXISTING HONEY CREEK RD TO SERVE LOCAL ACCESS.

SECTION 2 TO BE FULLY CLOSED:
- FIRE STATION ACCESS ON STH 83 TO BE CLOSED DURING CONSTRUCTION, UTILIZE CTH O.

SECTION 3 TO BE FULLY CLOSED:
- TEMPORARY DRIVEWAYS WILL MAINTAIN ACCESS AT ALL TIMES TO LOCAL PROPERTIES.



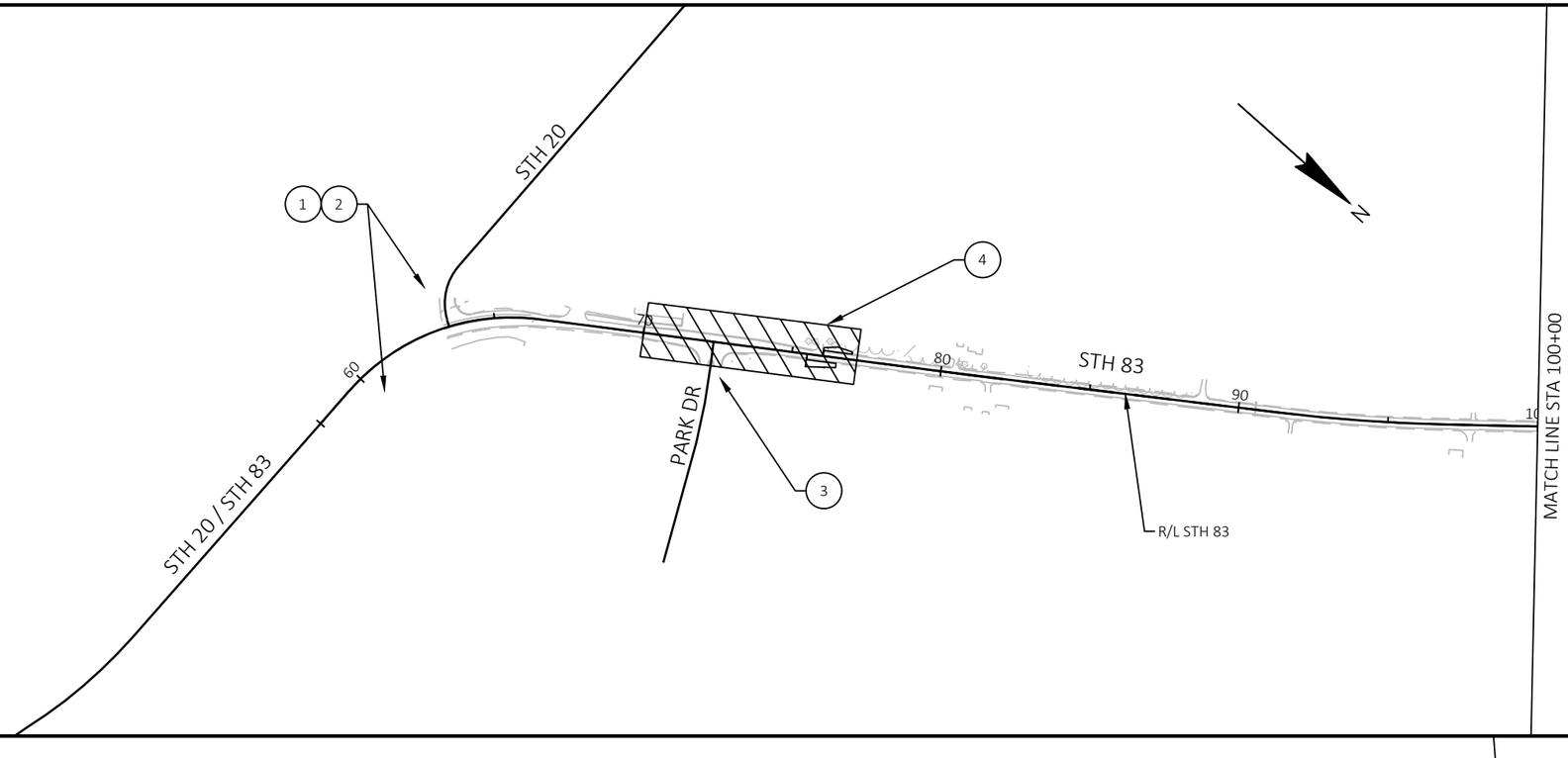
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET 141	E

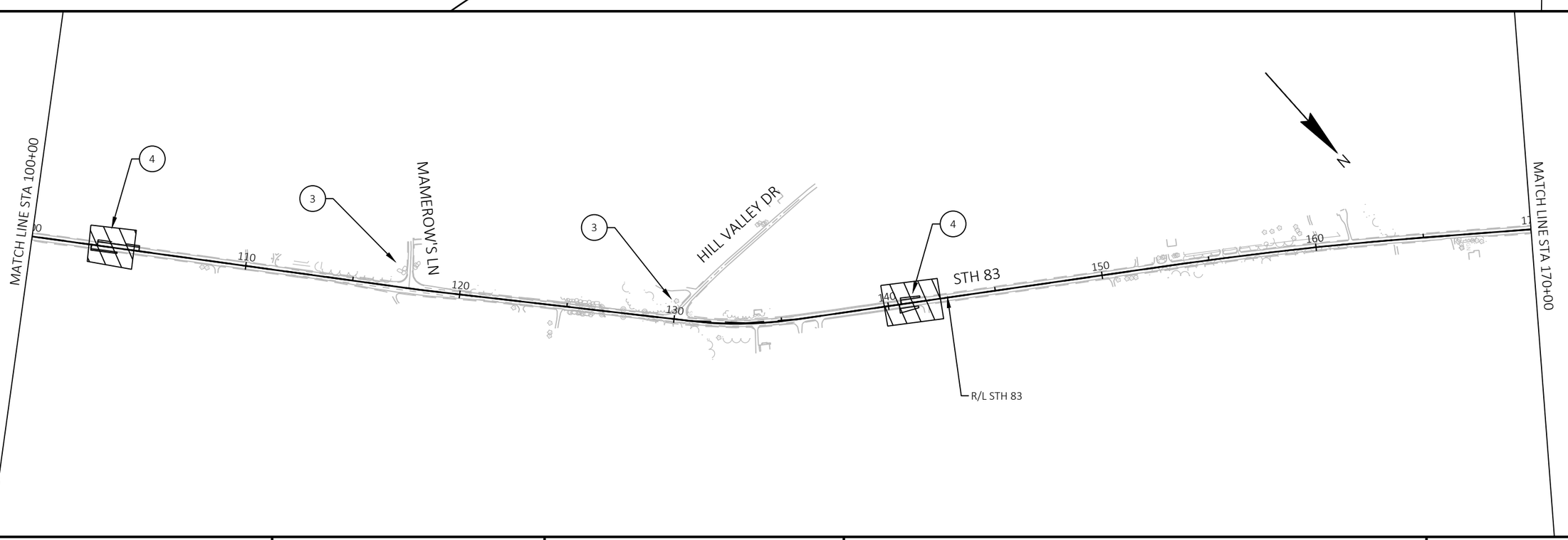
FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\025002-TC.DWG
LAYOUT NAME - 025002-tc-s2
PLOT DATE : 10/2/2022 10:03 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:0.5 MI
WISDOT/CADDS SHEET 42

2

LEGEND

1. UTILIZE SDD BARRICADES AND SIGNS FOR MAIN LINE CLOSURES, DETAIL B
2. UTILIZE SDD BARRICADES AND SIGNS FOR VARIOUS CLOSURES, DETAIL E
3. UTILIZE SDD BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES, DETAIL 4
4. UTILIZE SDD TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION (USE DRUMS)





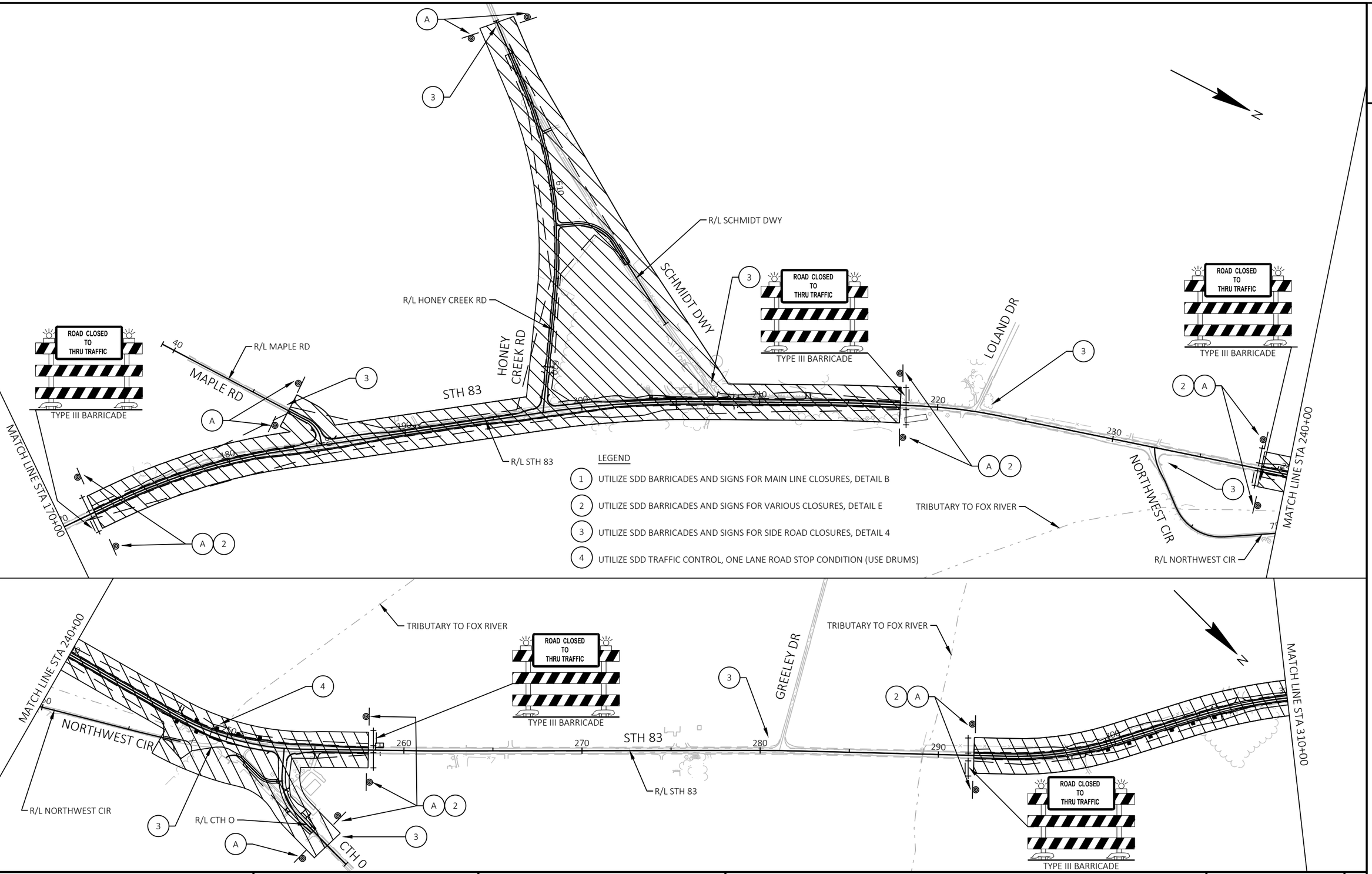
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 2	SHEET 142	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 026101_s2

PLOT DATE : 10/2/2022 12:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

2



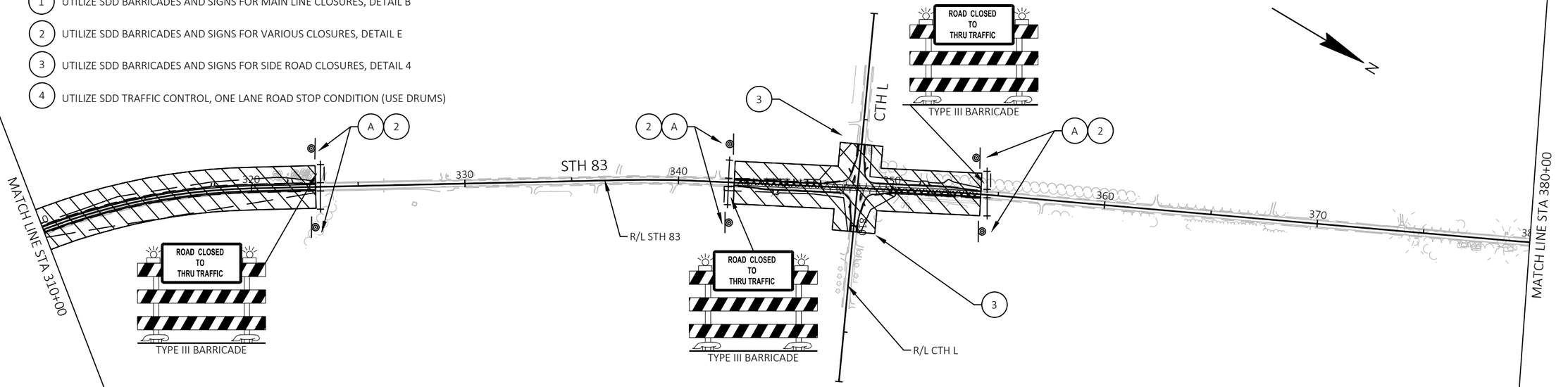
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 2	SHEET 143	E

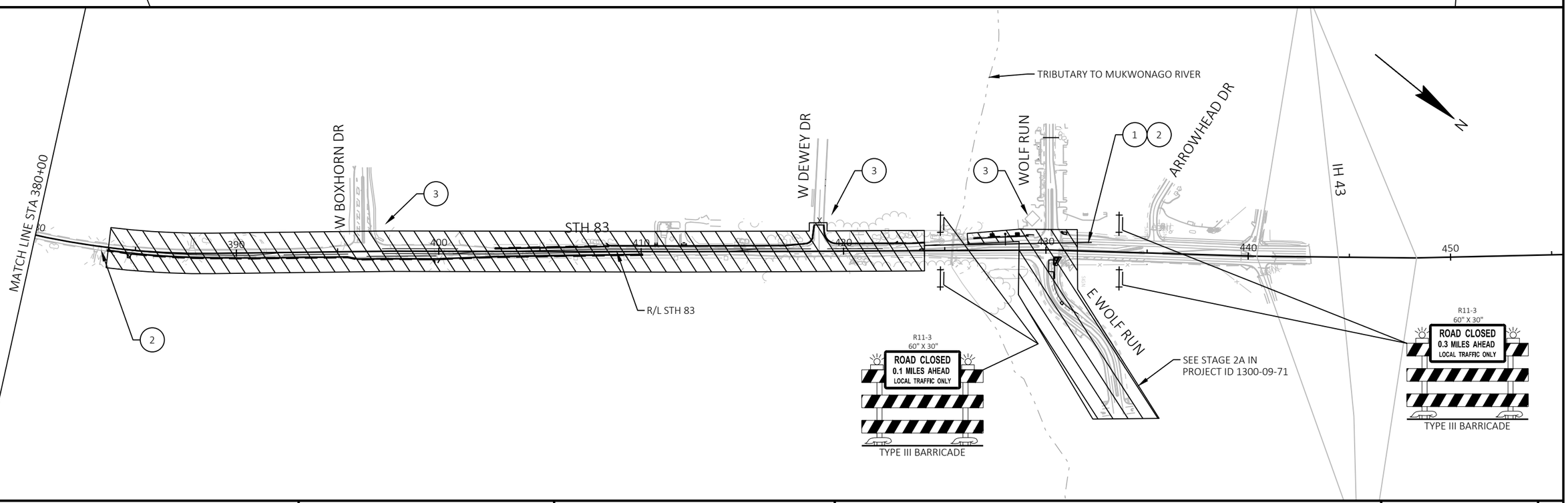
FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 026102_s2
PLOT DATE : 10/2/2022 12:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2

LEGEND

1. UTILIZE SDD BARRICADES AND SIGNS FOR MAIN LINE CLOSURES, DETAIL B
2. UTILIZE SDD BARRICADES AND SIGNS FOR VARIOUS CLOSURES, DETAIL E
3. UTILIZE SDD BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES, DETAIL 4
4. UTILIZE SDD TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION (USE DRUMS)





PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 2	SHEET 144	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 026103_s2

PLOT DATE : 10/2/2022 12:08 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 44

STAGE 3 - CONSTRUCTION

RESURFACE UPPER LAYER OF HMA THROUGH ENTIRE PROJECT LIMITS.

PLACE PAVEMENT MARKINGS.

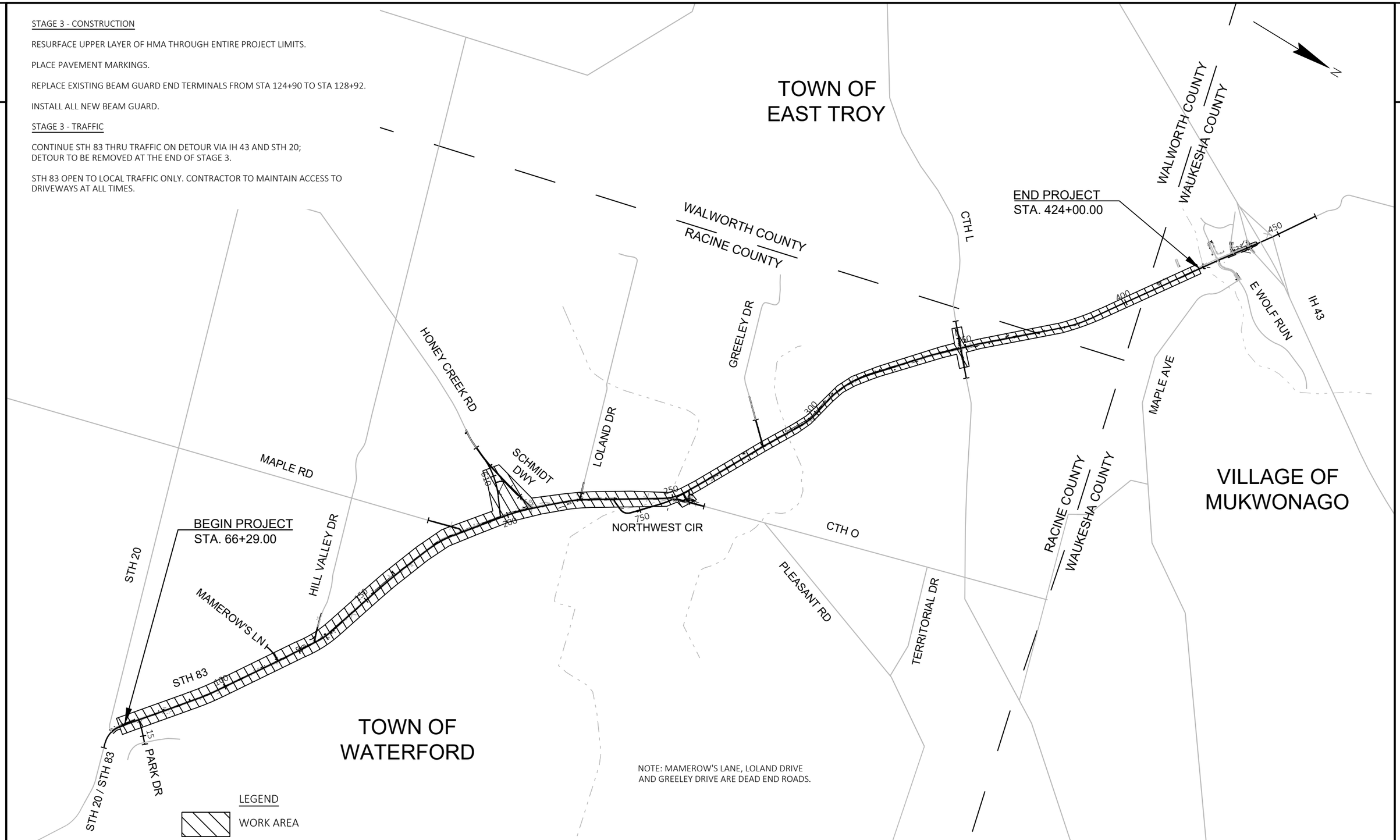
REPLACE EXISTING BEAM GUARD END TERMINALS FROM STA 124+90 TO STA 128+92.

INSTALL ALL NEW BEAM GUARD.

STAGE 3 - TRAFFIC

CONTINUE STH 83 THRU TRAFFIC ON DETOUR VIA IH 43 AND STH 20;
DETOUR TO BE REMOVED AT THE END OF STAGE 3.

STH 83 OPEN TO LOCAL TRAFFIC ONLY. CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.



NOTE: MAMEROW'S LANE, LOLAND DRIVE AND GREELEY DRIVE ARE DEAD END ROADS.

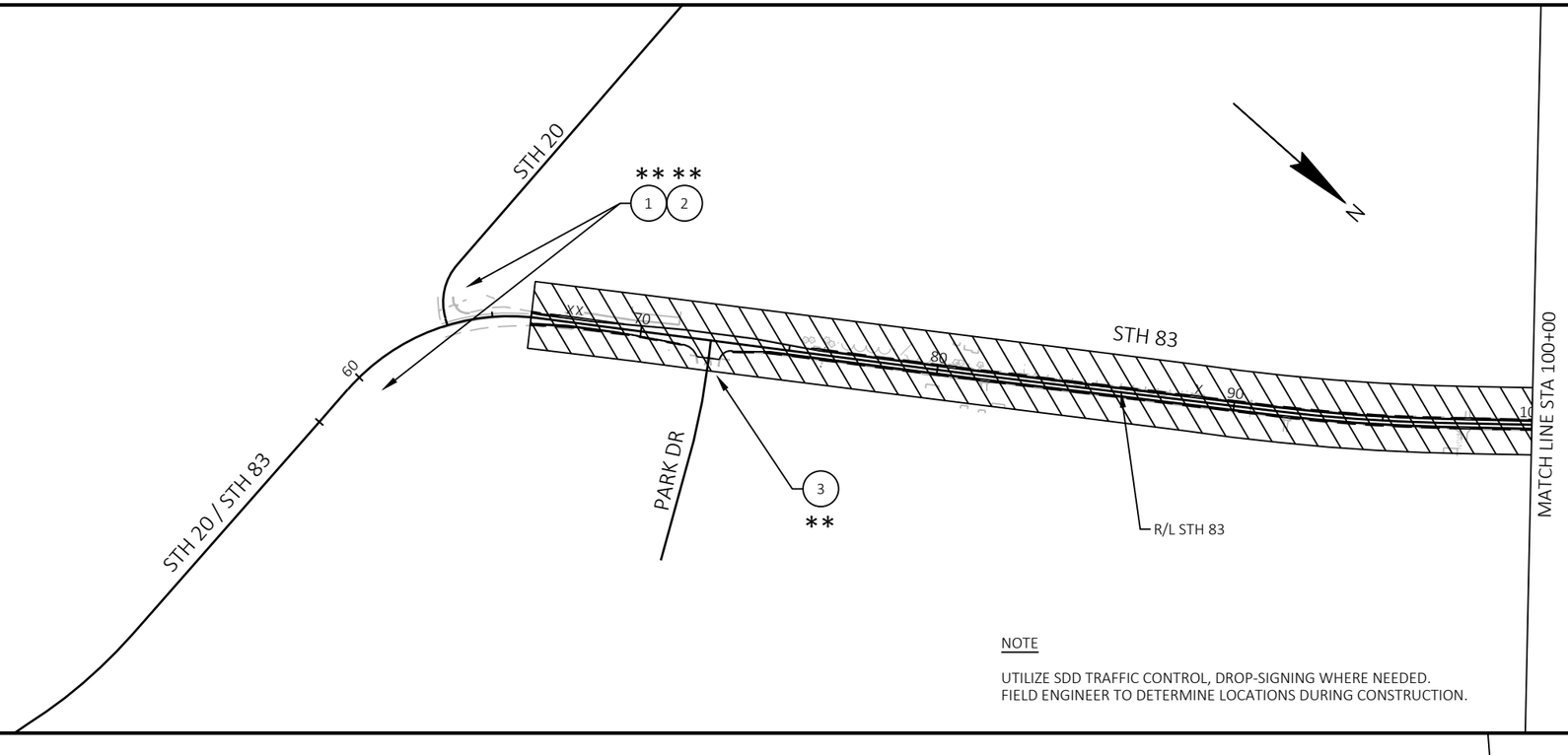
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET 145	E

2

LEGEND

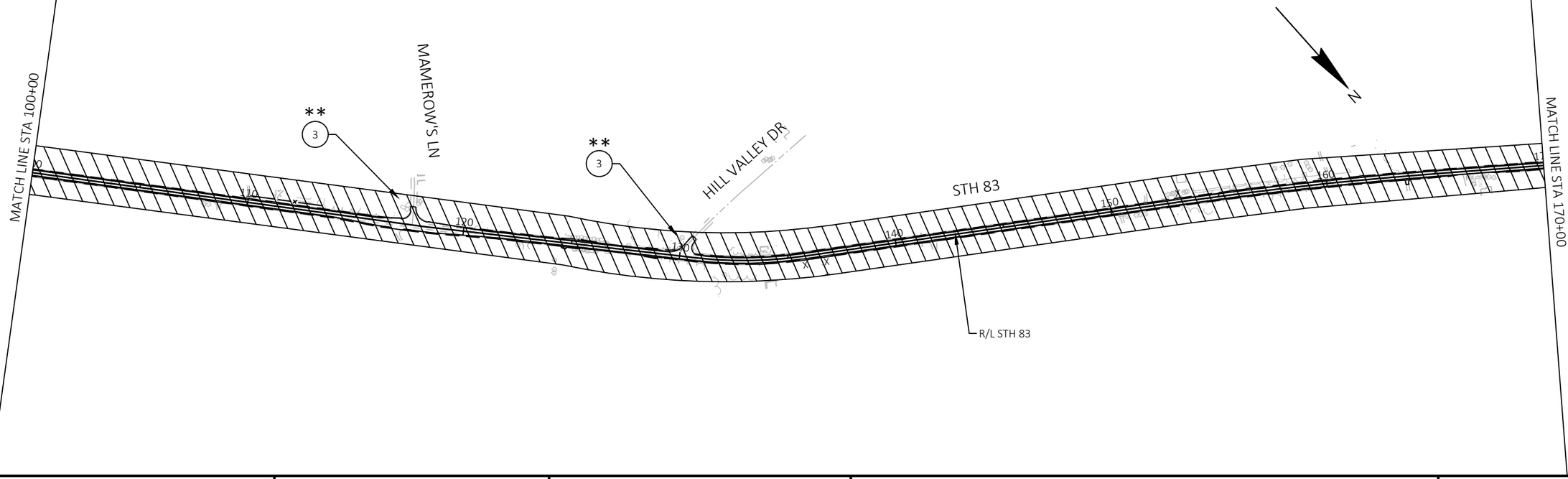
1. UTILIZE SDD BARRICADES AND SIGNS FOR MAIN LINE CLOSURES, DETAIL B
2. UTILIZE SDD BARRICADES AND SIGNS FOR VARIOUS CLOSURES, DETAIL E
3. UTILIZE SDD BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES, DETAIL 4

** CONTINUE TRAFFIC CONTROL SIGN AND DEVICE LAYOUT FROM STAGE 2



NOTE

UTILIZE SDD TRAFFIC CONTROL, DROP-SIGNING WHERE NEEDED.
FIELD ENGINEER TO DETERMINE LOCATIONS DURING CONSTRUCTION.



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 3	SHEET 146	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\026101_S3.DWG
LAYOUT NAME - 026101_s3

PLOT DATE : 10/2/2022 12:08 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

LEGEND

1 UTILIZE SDD BARRICADES AND SIGNS FOR MAIN LINE CLOSURES, DETAIL B

2 UTILIZE SDD BARRICADES AND SIGNS FOR VARIOUS CLOSURES, DETAIL E

3 UTILIZE SDD BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES, DETAIL 4

** CONTINUE TRAFFIC CONTROL SIGN AND DEVICE LAYOUT FROM STAGE 2

NOTE

UTILIZE SDD TRAFFIC CONTROL, DROP-SIGNING WHERE NEEDED.
FIELD ENGINEER TO DETERMINE LOCATIONS DURING CONSTRUCTION.

MATCH LINE STA 170+00

MAPLE RD

R/L MAPLE RD

HONEY CREEK RD

R/L HONEY CREEK RD

STH 83

R/L STH 83

SCHMIDT DWY

R/L SCHMIDT DWY

LOLAND DR

TRIBUTARY TO FOX RIVER

NORTHWEST CIR

R/L NORTHWEST CIR

MATCH LINE STA 240+00

GREELEY DR

MATCH LINE STA 310+00

R/L CTH O

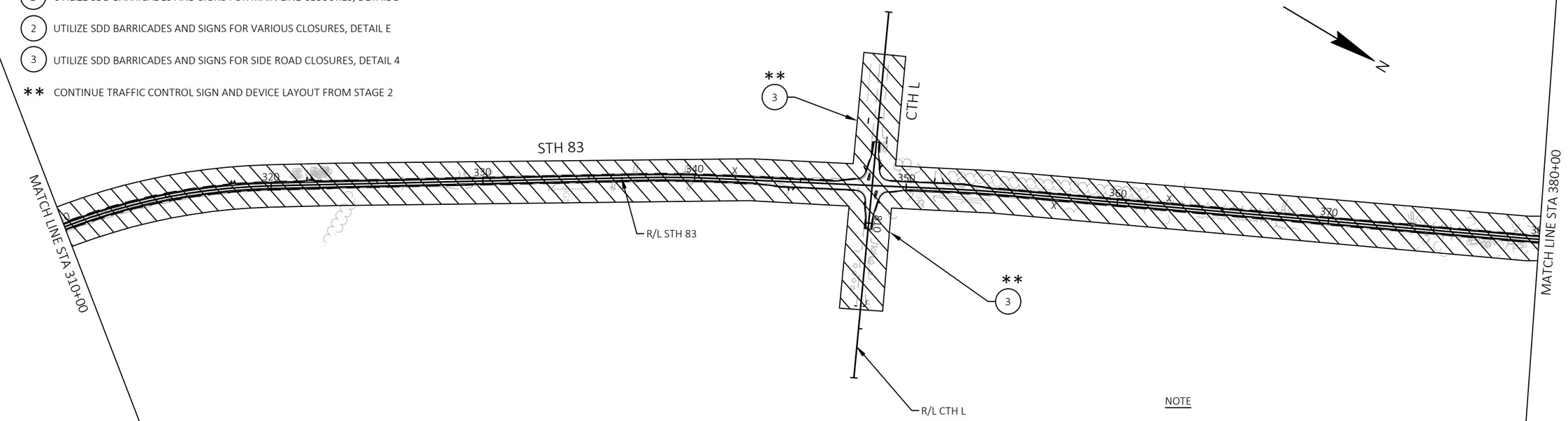
CTH O

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 3	SHEET 147	E

LEGEND

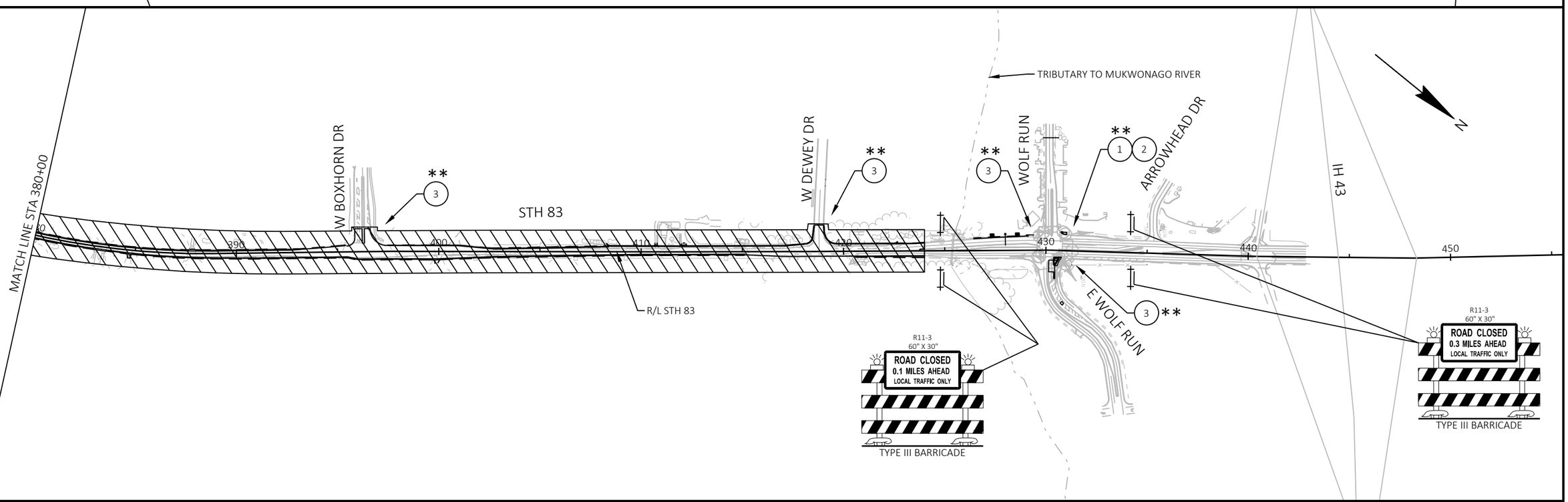
1. UTILIZE SDD BARRICADES AND SIGNS FOR MAIN LINE CLOSURES, DETAIL B
2. UTILIZE SDD BARRICADES AND SIGNS FOR VARIOUS CLOSURES, DETAIL E
3. UTILIZE SDD BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES, DETAIL 4

** CONTINUE TRAFFIC CONTROL SIGN AND DEVICE LAYOUT FROM STAGE 2



NOTE

UTILIZE SDD TRAFFIC CONTROL, DROP-SIGNING WHERE NEEDED.
FIELD ENGINEER TO DETERMINE LOCATIONS DURING CONSTRUCTION.

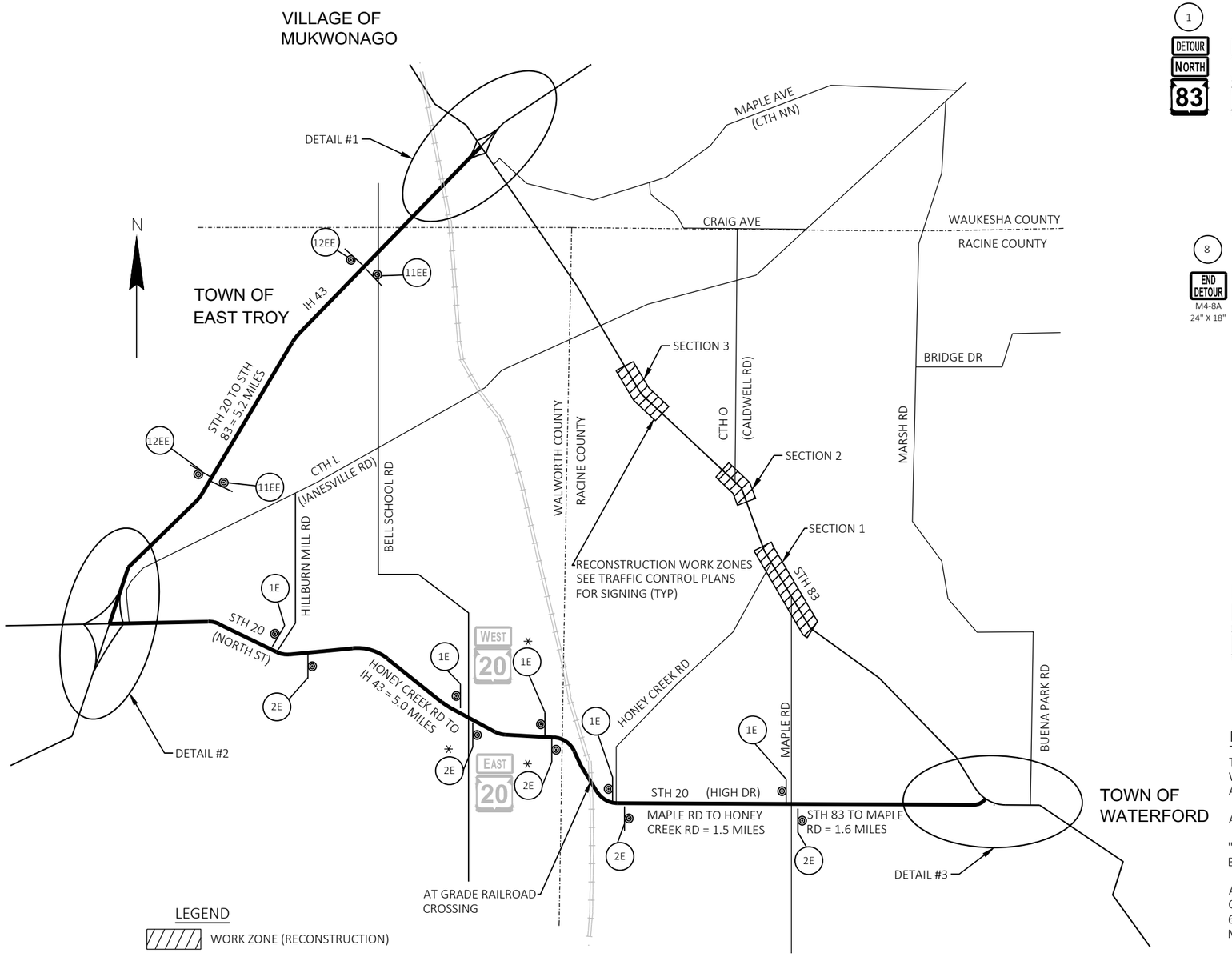


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	TRAFFIC CONTROL - STAGE 3	SHEET 148	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\026101_S3.DWG
LAYOUT NAME - 026103_s3

PLOT DATE : 10/2/2022 12:08 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:500 FT

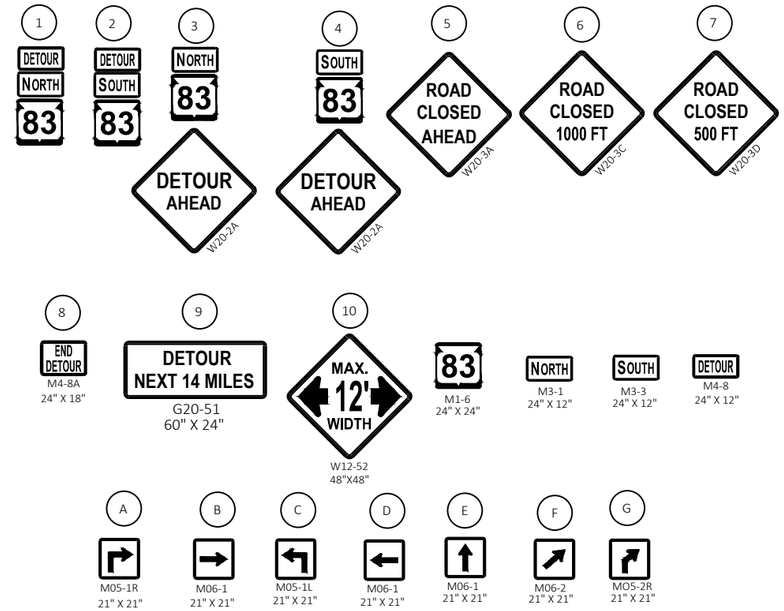
WISDOT/CADDS SHEET 44



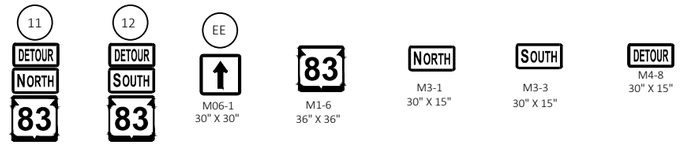
LEGEND

- WORK ZONE (RECONSTRUCTION)
- DETOUR ROUTE
- (#) SIGN NUMBER
- PERMANENT SIGN MOUNTED ON POST(S)
- COVERING SIGNS (TYPE (#))
- LOCATE NEXT TO EXISTING SIGN

SIGNING LEGEND - NON EXPRESSWAY SIGNS



SIGNING LEGEND - EXPRESSWAY SIGNS



NOTES:

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD. ADJUSTMENTS TO FIELD CONDITIONS SHALL BE APPROVED BY THE ENGINEER.

ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.

"WO" SIGNS ARE THE SAME AS "W" SIGNS AND "MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

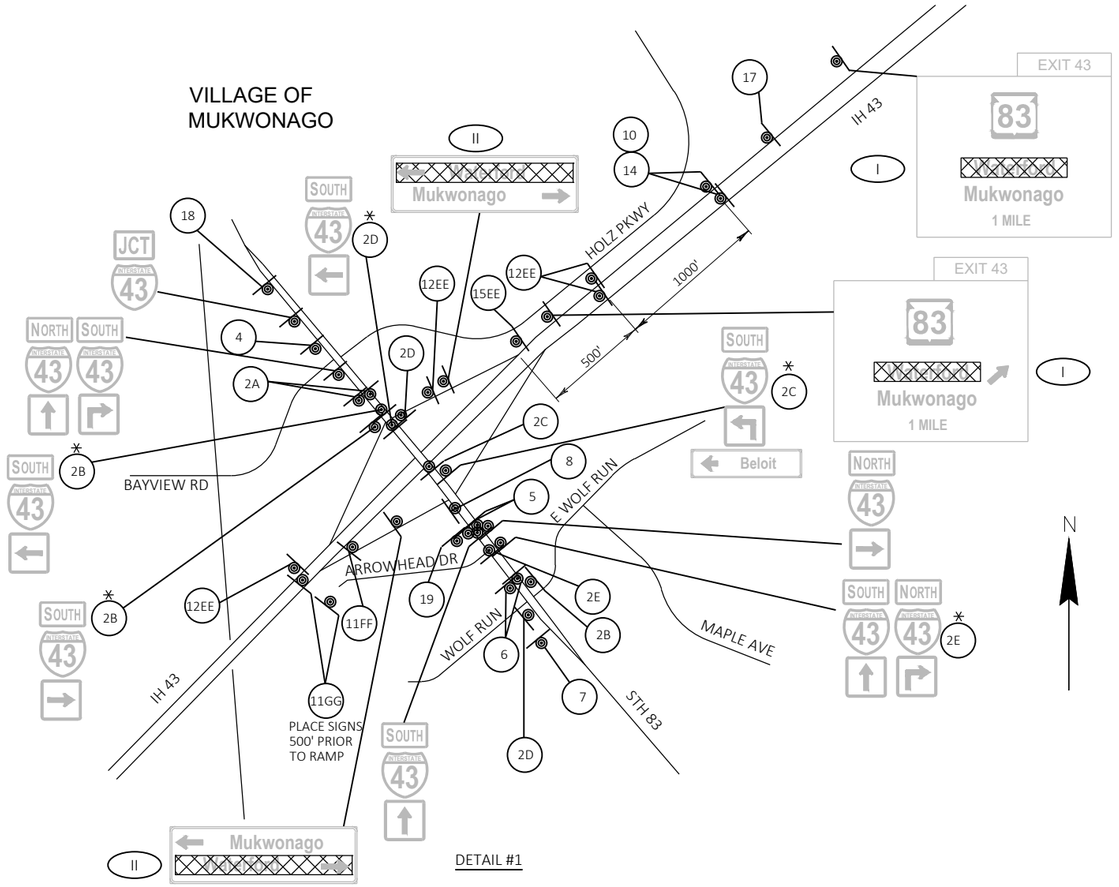
ALL SIGNS, TEMPORARY OR EXISTING, IN CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED. THE COVERING OF WOOD POST MOUNTED SIGNS IS INCLUDED UNDER ITEM 643.0910 OR 643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE I/II. IN LIEU OF COVERING WOOD POST MOUNTED SIGNS, THE CONTRACTOR MAY CHOOSE TO REMOVE AND REPLACE THEM.

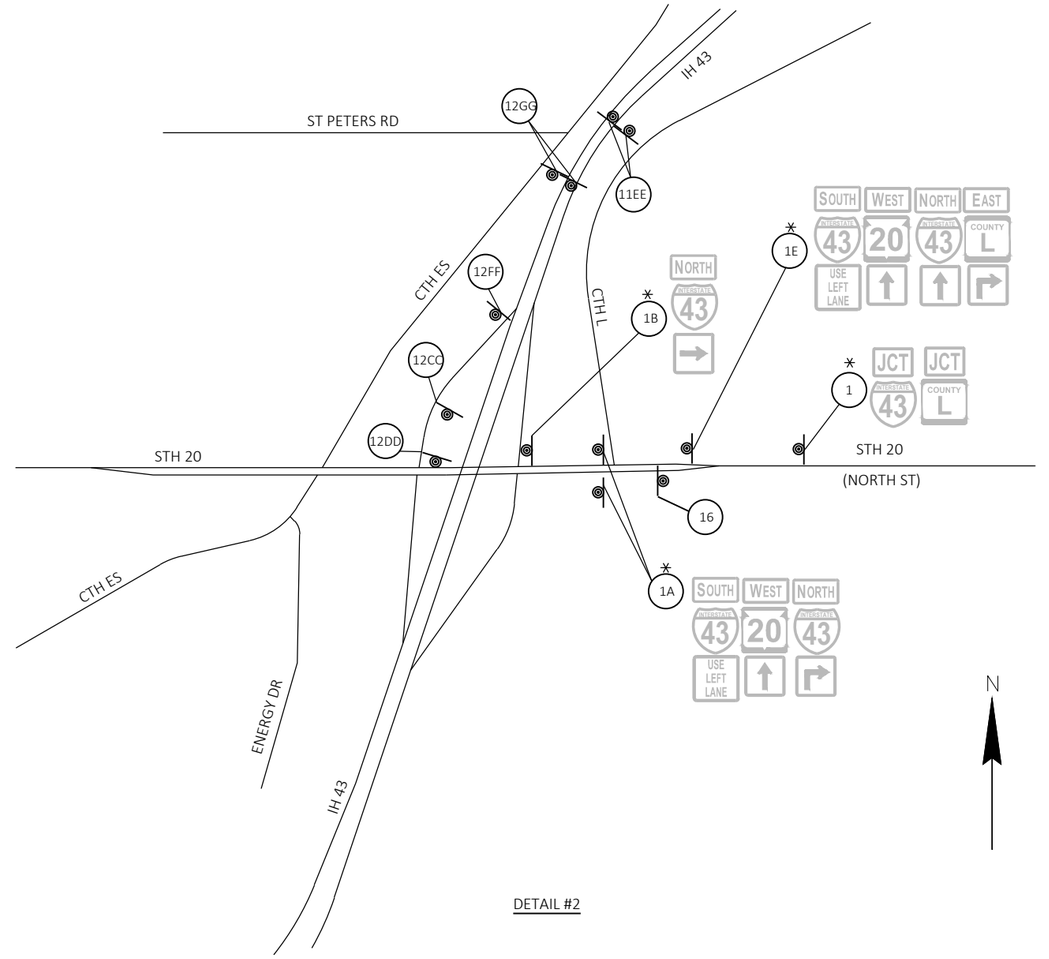
ALL EXISTING SIGNS THAT NEED TO BE COVERED SHALL BE COVERED WITH A BLANK ORANGE PANEL.

ANY "STOP" SIGNS WHICH ARE REMOVED FOR A CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

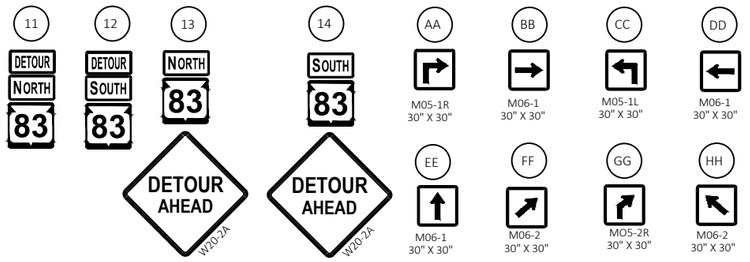
ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKERS, SIGNING, ASSEMBLY, OR ATTACHED TO A WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

NO TRAFFIC CONTROL SIGNS OR DEVICES ARE TO BE PLACED WITHIN 50' OF RAILROAD RIGHT-OF-WAY.





SIGNING LEGEND - EXPRESSWAY SIGNS



83 M1-6 36" X 36"

NORTH M3-1 30" X 15"

SOUTH M3-3 30" X 15"

DETOUR M4-8 30" X 15"

END DETOUR M4-8A 24" X 18"

WATERFORD 15 FMS (60" X 18")

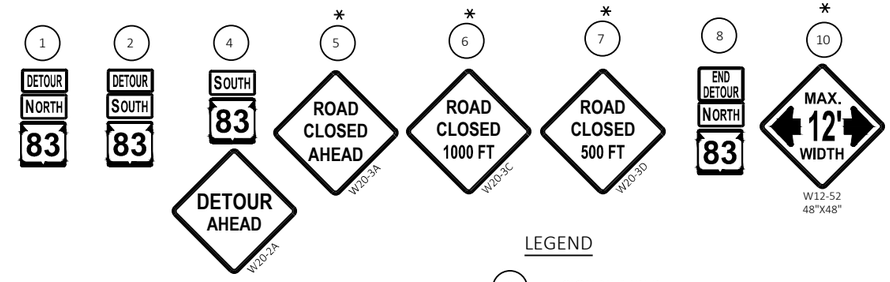
HWY 83 CLOSED AT HWY 20 8 MILES AHEAD — 16 FMS (78" X 36")

HWY 83 CLOSED AT WATERFORD USE EXIT 38 — 17 FMS (132" X 54")

HWY 83 CLOSED TO WATERFORD FOLLOW DETOUR — 18 FMS (78" X 36")

HWY 83 CLOSED AT HWY L 1.5 MILES AHEAD — 19 FMS (84" X 36")

SIGNING LEGEND - NON EXPRESSWAY SIGNS



A M05-1R 21" X 21"

B M06-1 21" X 21"

C M05-1L 21" X 21"

D M06-1 21" X 21"

E M06-1 21" X 21"

LEGEND

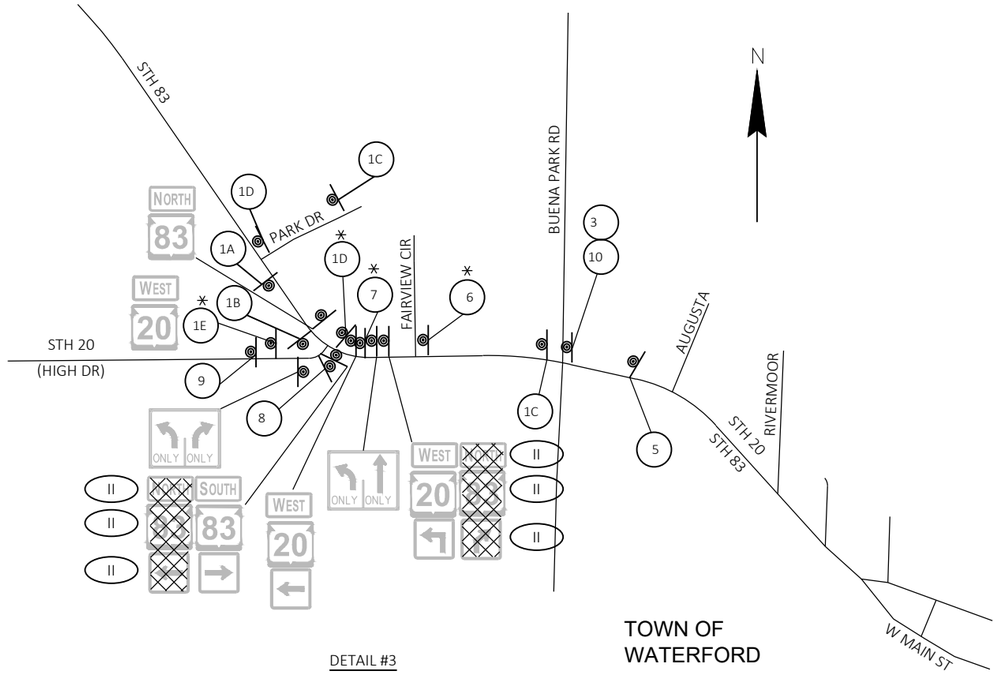
- # — SIGN NUMBER
- PERMANENT SIGN MOUNTED ON POST(S)
- COVERING SIGNS (TYPE #)
- * — LOCATE NEXT TO EXISTING SIGN

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	DETOUR PLAN	SHEET 150	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 02-dt

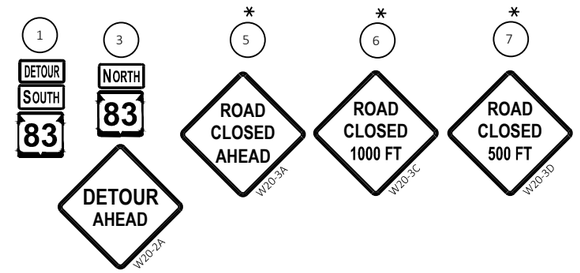
PLOT DATE : 9/26/2022 7:21 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

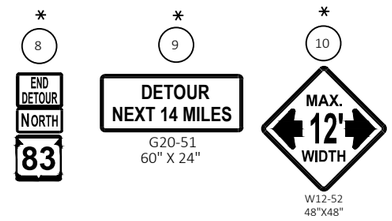
WISDOT/CADDS SHEET 42



DETAIL #3

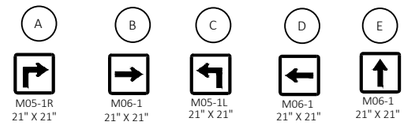
SIGNING LEGEND - NON EXPRESSWAY SIGNS





G20-51
60" X 24"

W12-52
48"X48"



M05-1R 21" X 21" | M06-1 21" X 21" | M05-1L 21" X 21" | M06-1 21" X 21" | M06-1 21" X 21"

LEGEND

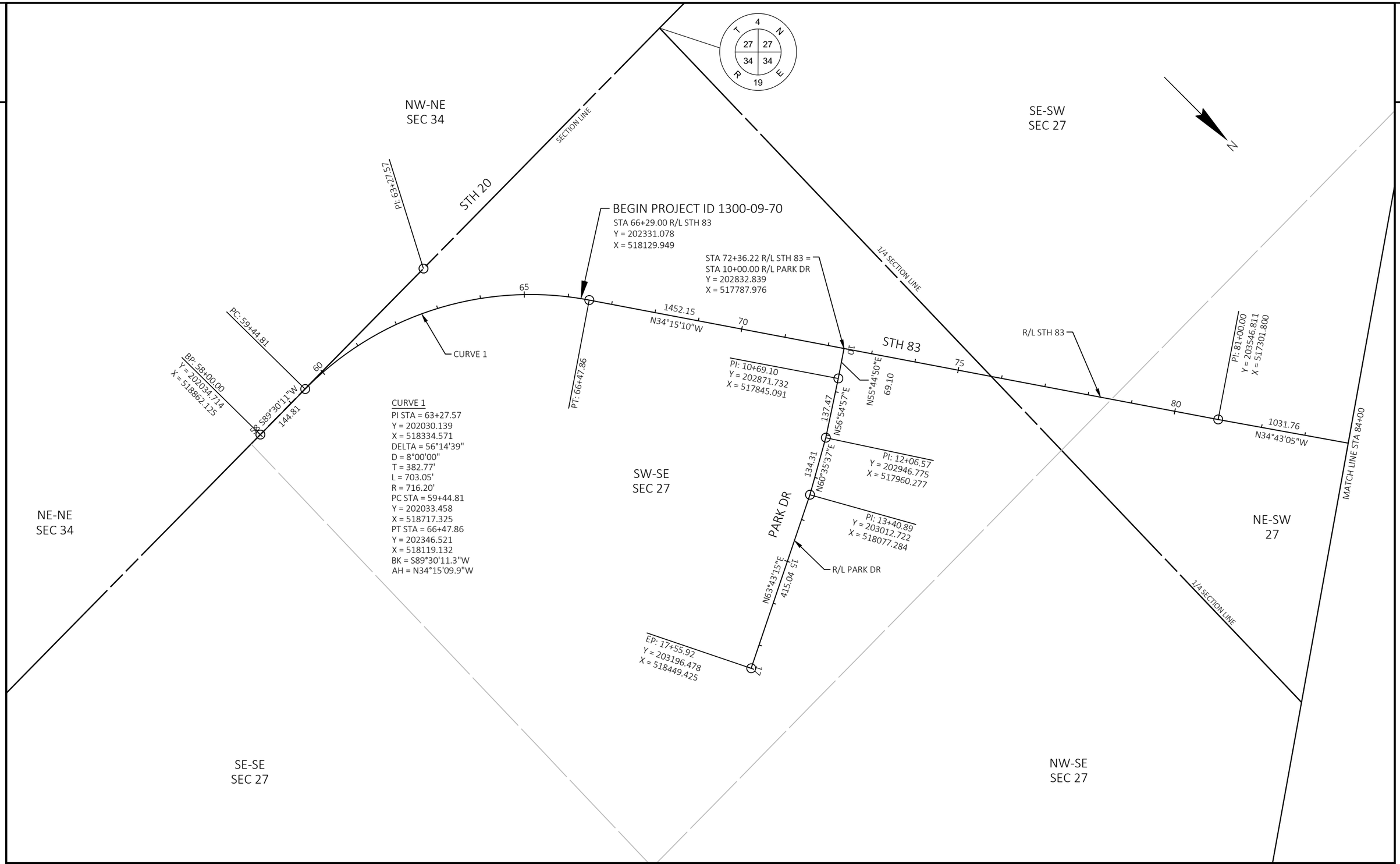
- (#) SIGN NUMBER
- PERMANENT SIGN MOUNTED ON POST(S)
- COVERING SIGNS (TYPE (#))
- LOCATE NEXT TO EXISTING SIGN

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	DETOUR PLAN	SHEET 151	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 03-dt

PLOT DATE : 9/26/2022 7:21 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 152	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 01-ad
PLOT DATE : 10/2/2022 12:22 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

NW-SW
SEC 27

SECTION LINE

N

1/4 SECTION LINE

SW-NW
SEC 27

MATCH LINE STA 84+00

R/L STH 83

PC: 91+31.77

CURVE 2

PT: 97+00.21

85

1031.76

N34°43'05"W

90

95

100

STH 83

105

2117.09

N40°24'07"W

110

MATCH LINE STA 114+00

PI: 94+16.22

NE-SW
27

CURVE 2
PI STA = 94+16.22
Y = 204628.698
X = 516552.163
DELTA = 5°41'03"
D = 1°00'00"
T = 284.46'
L = 568.45'
R = 5730.00'
PC STA = 91+31.77
Y = 204394.885
X = 516714.171
PT STA = 97+00.21
Y = 204845.316
X = 516367.793
BK = N34°43'04.8"W
AH = N40°24'07.4"W

SE-NW
SEC 27

NW-NW
SEC 27

1/4 SECTION LINE

T 4 N
27
R 19 E

2

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 153	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 02-ad

PLOT DATE : 10/2/2022 12:22 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

CURVE 30
PI STA = 24+26.12
Y = 206168.429
X = 514777.937
DELTA = 23°16'50"
D = 5°31'55"
T = 213.36'
L = 420.83'
R = 1035.70'
PC STA = 22+12.76
Y = 205970.813
X = 514697.508
PT STA = 26+33.59
Y = 206318.167
X = 514929.922
BK = N22°08'46.2"E
AH = N45°25'35.8"E

CURVE 31
PI STA = 26+60.85
Y = 206337.300
X = 514949.342
DELTA = 3°46'56"
D = 6°56'21"
T = 27.26'
L = 54.50'
R = 825.69'
PC STA = 26+33.59
Y = 206318.167
X = 514929.922
PT STA = 26+88.09
Y = 206355.111
X = 514969.982
BK = N45°25'35.8"E
AH = N49°12'31.3"E

CURVE 32
PI STA = 31+84.91
Y = 207309.776
X = 513954.424
DELTA = 5°04'30"
D = 2°00'00"
T = 126.96'
L = 253.75'
R = 2864.79'
PC STA = 30+57.95
Y = 207310.580
X = 513827.468
PT STA = 33+11.70
Y = 207320.207
X = 514080.953
BK = S89°38'15.1"E
AH = N85°17'14.8"E

NW-NE
SEC 28

NE-NE
SEC 28

SW-SE
SEC 21

SE-SE
SEC 21

NW-NW
SEC 27

SECTION LINE

N

BP: 22+12.76
Y = 205970.813
X = 514697.508

R/L MAMEROW'S LN

PI: 24+26.12

CURVE 30

MAMEROW'S LN

25

CURVE 31

PCC: 26+33.59

PT: 26+88.09

PI: 26+60.85

85.89

N49°12'31"E

MATCH LINE STA 114+00

115

2117.09

N40°24'07"W

120

1258.20

N41°40'31"W

125

STH 83

R/L STH 83

PC: 30+57.95

88.82

S89°38'15"E

PI: 31+84.91

CURVE 32

R/L HILL VALLEY DR

PI: 33+11.70

30

BP: 29+69.13
Y = 207311.141
X = 513738.651

HILL VALLEY DR

N85°17'15"E

137.13

130

135

1772.52

N56°26'39"W

140

MATCH LINE STA 144+00

STA 117+56.51 R/L STH 83=
STA 27+73.98 R/L MAMEROW'S LN
Y = 206411.045
X = 515034.803

PI: 118+17.30
Y = 206457.512
X = 514995.608

SECTION LINE

STA 129+87.38 R/L STH 83 =
STA 34+48.82 R/L HILL VALLEY DR
Y = 207331.473
X = 514217.615

PC: 130+75.50

PI: 133+23.02

CURVE 3

PT: 135+67.80

CURVE 3
PI STA = 133+23.02
Y = 207582.173
X = 513994.444
DELTA = 14°46'09"
D = 3°00'00"
T = 247.52'
L = 492.30'
R = 1909.86'
PC STA = 130+75.50
Y = 207397.291
X = 514159.024
PT STA = 135+67.80
Y = 207718.991
X = 513788.170
BK = N41°40'30.7"W
AH = N56°26'39.4"W

T 4 N
21 22
28 27
R 19 E

SECTION LINE

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 154	E

2

2

SE-SW
SEC 21

NW-SW
SEC 21

SW-SE
SEC 21

N

PC: 153+40.33

PI: 159+18.15

PT: 164+95.54

STH 83

145

1772.52

N56°26'39"W

150

155

160

165

814.17

N52°35'37"W

170

MATCH LINE STA 144+00

MATCH LINE STA 173+00

CURVE 4

R/L STH 83

NE-SW
SEC 21

CURVE 4
PI STA = 159+18.15
Y = 209018.141
X = 511829.510
DELTA = 3°51'03"
D = 0°20'00"
T = 577.82'
L = 1155.21'
R = 17188.74'
PC STA = 153+40.33
Y = 208698.750
X = 512311.039
PT STA = 164+95.54
Y = 209369.149
X = 511370.517
BK = N56°26'39.4"W
AH = N52°35'36.9"W

SW-NW
SEC 21

1/4 SECTION LINE

1/4 SECTION LINE

NW-SE
SEC 21

SE-NW
SEC 21

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 155	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 04-ad

PLOT DATE : 10/2/2022 12:22 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

BP: 39+24.61
Y = 209699.912
X = 509806.809

SECTION LINE

40

916.12

N0°44'07"E

T 4 N
20 21
20 21
R 19 E

SE-NE
SEC 20

N

CURVE 33

PI STA = 49+08.76
Y = 210683.979
X = 509819.438
DELTA = 48°47'34"
D = 38°11'50"
T = 68.03'
L = 127.74'
R = 150.00'
PC STA = 48+40.73
Y = 210615.953
X = 509818.565
PT STA = 49+68.47
Y = 210728.137
X = 509871.191
BK = N00°44'06.9"E
AH = N49°31'40.6"E

MAPLE RD

45

1/4 SECTION LINE

PI: 178+21.26

PC: 48+40.73

PI: 49+08.76

R/L MAPLE RD

CURVE 33

R/L STH 83

PT: 49+68.47

PC: 173+09.71

MATCH LINE STA 173+00

STH 83

175

180

185

190

195

CURVE 5

N49°31'41"E
42.18

50

1446.71
N35°28'51"W

MATCH LINE STA 197+00

PT: 183+25.20

STA 185+27.18 R/L STH 83 =
STA 50+10.64 R/L MAPLE RD
Y = 210755.514
X = 509903.277

NE-NE
SEC 20

CURVE 5

PI STA = 178+21.26
Y = 210174.478
X = 510317.434
DELTA = 17°06'46"
D = 1°41'07"
T = 511.55'
L = 1015.49'
R = 3400.00'
PC STA = 173+09.71
Y = 209863.729
X = 510723.783
PT STA = 183+25.20
Y = 210591.039
X = 510020.514
BK = N52°35'36.9"W
AH = N35°28'51.3"W

SW-NW
SEC 21

SECTION LINE

NW-NW
SEC 21

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 156	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 05-ad

PLOT DATE : 10/2/2022 12:22 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE STA 608+00

R/L HONEY CREEK RD

PI: 610+01.82

610

CURVE 34

PI: 632+51.30

630 98.55
N32°08'48"W

CURVE 35

PT: 633+72.78

PC: 630+98.55

635 N30°42'08"E 434.90

R/L SCHMIDT DWY

615

STA 612+04.06 R/L HONEY CREEK RD =
STA 630+00.00 R/L SCHMIDT DWY
Y = 211365.505
X = 508207.835

PT: 615+87.76

HONEY CREEK RD

SCHMIDT DWY

PI: 638+07.67
Y = 212083.549
X = 508374.158

92.33 639
N28°13'19"E

EP: 639+00.00

N68°36'52"E 668.67

620

PC: 197+71.90

PI: 202+22.52

MATCH LINE STA 197+00

200

205

STA 197+81.86 R/L STH 83 =
STA 622+56.43 R/L HONEY CREEK RD
Y = 211777.216
X = 509175.028

R/L STH 83

CURVE 6

754.45
N26°35'45"W

PT: 641+83.98

210

STA 208+67.36 R/L STH 83 =
STA 642+24.64 R/L DWY
Y = 212714.273
X = 508629.745

R/L DWY 208+67

SECTION LINE

PT: 206+71.34

335.82
N63°24'15"E

649

CURVE 47

PC: 645+19.80

PT: 646+30.10

EP: 646+90.10

N18°15'39"E 60.00 646

PI: 645+77.99

NE-NE
SEC 20

SE-SE
SEC 17

BP: 640+00.00

PC: 640+36.96

N36°55'45"W 36.96 640

CURVE 46

PI: 641+59.03

SECTION LINE

NW-SE
SEC 20

SW-SE
SEC 17

1/4 SECTION LINE

T 4 N
R 19 E
17 17
20 20

N

CURVE 6
PI STA = 202+22.52
Y = 212136.049
X = 508919.244
DELTA = 8°53'07"
D = 0°59'16"
T = 450.62'
L = 899.44'
R = 5800.00'
PC STA = 197+71.90
Y = 211769.104
X = 509180.800
PT STA = 206+71.34
Y = 212538.990
X = 508717.504
BK = N35°28'51.3"W
AH = N26°35'44.7"W

CURVE 7
PI STA = 215+41.46
Y = 213317.041
X = 508327.957
DELTA = 2°18'47"
D = 1°00'00"
T = 115.67'
L = 231.31'
R = 5729.59'
PC STA = 214+25.79
Y = 213213.607
X = 508379.743
PT STA = 216+57.10
Y = 213422.480
X = 508280.388
BK = N26°35'44.7"W
AH = N24°16'57.4"W

CURVE 8
PI STA = 221+29.49
Y = 213853.072
X = 508086.125
DELTA = 8°42'29"
D = 2°00'00"
T = 218.12'
L = 435.40'
R = 2864.79'
PC STA = 219+11.37
Y = 213654.252
X = 508175.824
PT STA = 223+46.76
Y = 214063.181
X = 508027.562
BK = N24°16'57.4"W
AH = N15°34'28.9"W

CURVE 35
PI STA = 632+51.30
Y = 211578.274
X = 508074.123
DELTA = 62°50'56"
D = 22°55'06"
T = 152.75'
L = 274.23'
R = 250.00'
PC STA = 630+98.55
Y = 211448.945
X = 508155.398
PT STA = 633+72.78
Y = 211709.611
X = 508152.111
BK = N32°08'48.5"W
AH = N30°42'07.5"E

CURVE 46
PI STA = 641+59.03
Y = 212641.423
X = 508484.240
DELTA = 120°20'01"
D = 81°51'04"
T = 122.06'
L = 147.02'
R = 70.00'
PC STA = 640+36.96
Y = 212574.817
X = 508586.528
PT STA = 641+83.98
Y = 212696.070
X = 508593.387
BK = N56°55'45.3"W
AH = N63°24'15.3"E

CURVE 47
PI STA = 645+77.99
Y = 212872.466
X = 508945.707
DELTA = 45°08'36"
D = 40°55'32"
T = 58.20'
L = 110.31'
R = 140.00'
PC STA = 645+19.80
Y = 212846.412
X = 508893.670
PT STA = 646+30.10
Y = 212927.730
X = 508963.942
BK = N63°24'15.3"E
AH = N18°15'39.5"E

BP: 600+00.00
Y = 210542.429
X = 507339.630

600

HONEY CREEK RD

N39°57'10"E 390.27

PC: 603+90.27

R/L HONEY CREEK RD

605

CURVE 34

MATCH LINE STA 608+00

254.27
N24°16'57"W

220

CURVE 8

PI: 221+29.49

PC: 219+11.37

BP: 548+00.00
Y = 213931.410
X = 507858.607

PI: 548+96.53
Y = 213933.024
X = 507955.121

R/L LOLAND DR

N89°02'32"E 96.53

PT: 223+46.76

LOLAND DR

550

STA 222+10.15 R/L STH 83 =
STA 550+08.77 R/L LOLAND DR
Y = 213932.503
X = 508067.367

S89°44'03"E 112.25

2325.48 225
N15°34'29"W

MATCH LINE STA 226+00

NW-SE
SEC 17

STH 83

PC: 214+25.79

PI: 215+41.46

PT: 216+57.10

215

CURVE 7

PROJECT NO: 1300-09-70 | HWY: STH 83 | COUNTY: RACINE, WALWORTH, WAUKESHA | ALIGNMENT PLAN | SHEET 157 | E

2

2

N

SE-NW
SEC 17

1/4 SECTION LINE

T 4 N
17
R 19 E

CURVE 9

PI STA = 250+60.10
Y = 216676.883
X = 507299.047
DELTA = 28°59'42"
D = 3°49'11"
T = 387.86'
L = 759.09'
R = 1500.00'
PC STA = 246+72.24
Y = 216303.269
X = 507403.184
PT STA = 254+31.33
Y = 216953.190
X = 507026.860
BK = N15°34'28.9"W
AH = N44°34'10.6"W

STA 232+39.12 R/L STH 83 =
STA 740+00.00 R/L NORTHWEST CIR
Y = 214922.775
X = 507787.968

1/4 SECTION LINE

1/4 SECTION LINE

R/L STH 83

PC: 246+72.24

MATCH LINE STA 226+00

MATCH LINE STA 250+00

N59°34'29"E
21.22

230

740

STH 83

235

2325.48
N15°34'29"W

240

245

250

CURVE 9

PC: 740+21.22

CURVE 36

R/L NORTHWEST CIR

CURVE 38

PI: 740+83.75

N36°01'37"E
57.54

755

PT: 741+44.52

N39°52'48"E
159.32

PI: 742+02.06

PC: 743+61.38

CURVE 37

NORTHWEST CIR

750

866.61
N30°58'11"W

PC: 755+61.86

PI: 756+80.96

PI: 758+00.00

745

PI: 745+53.44

PT: 746+95.25

CURVE 36

PI STA = 740+83.75
Y = 214965.187
X = 507860.186
DELTA = 23°32'53"
D = 19°05'55"
T = 62.53'
L = 123.30'
R = 300.00'
PC STA = 740+21.22
Y = 214933.521
X = 507806.266
PT STA = 741+44.52
Y = 215015.759
X = 507896.964
BK = N59°34'29.4"E
AH = N36°01'36.8"E

CURVE 37

PI STA = 745+53.44
Y = 215331.940
X = 508156.106
DELTA = 70°50'59"
D = 21°13'14"
T = 192.06'
L = 333.87'
R = 270.00'
PC STA = 743+61.38
Y = 215184.559
X = 508032.963
PT STA = 746+95.25
Y = 215496.616
X = 508057.277
BK = N39°52'47.7"E
AH = N30°58'11.2"W

CURVE 38

PI STA = 756+80.96
Y = 216341.803
X = 507550.044
DELTA = 3°18'08"
D = 1°23'12"
T = 119.10'
L = 238.14'
R = 4131.70'
PC STA = 755+61.86
Y = 216239.681
X = 507611.332
PT STA = 758+00.00
Y = 216440.225
X = 507482.975
BK = N30°58'11.2"W
AH = N34°16'19.6"W

NW-SE
SEC 17

SW-NE
SEC 17

NW-NE
SEC 17

NE-SE
SEC 17

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 158	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 07-ad

PLOT DATE : 10/2/2022 12:22 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

NE-NW
SEC 17

SE-NW
SEC 17

NW-NW
SEC 17

SW-SW
SEC 08

N

CURVE 9
PI STA = 250+60.10
Y = 216676.883
X = 507299.047
DELTA = 28°59'42"
D = 3°49'11"
T = 387.86'
L = 759.09'
R = 1500.00'
PC STA = 246+72.24
Y = 216303.269
X = 507403.184
PT STA = 254+31.33
Y = 216953.190
X = 507026.860
BK = N15°34'28.9"W
AH = N44°34'10.6"W

STA 253+27.46 R/L STH 83 =
STA 650+00.00 R/L CTH O
Y= 216876.736
X= 507097.129

PT: 254+31.33

PI: 261+58.86
Y = 217471.482
X = 506516.297

R/L STH 83

MATCH LINE STA 250+00

PI: 250+60.10

PT: 761+69.58

CURVE 9

MATCH LINE STA 278+00

STH 83

255 727.53 260 265 270 1814.90 275

N44°34'11"W N45°24'17"W

6.71

N90°00'00"W

NORTHWEST CIR

1399.35

N0°00'00"W

N49°14'26"E 142.36

STA 651+83.22 R/L CTH O=
STA 764+43.27 R/L NORTHWEST CIR
Y = 217004.999
X = 507239.530

PC: 651+42.36

N48°46'31"W 49.31

CURVE 39
PC: 760+77.08

PC: 763+08.82

PI: 652+75.01

PT: 653+91.39

CURVE 41

NE-NW
SEC 17

CURVE 41
PI STA = 652+75.01
Y = 217056.288
X = 507305.439
DELTA = 48°51'45"
D = 19°37'19"
T = 132.65'
L = 249.02'
R = 292.00'
PC STA = 651+42.36
Y = 216969.684
X = 507204.963
PT STA = 653+91.39
Y = 217188.935
X = 507306.314
BK = N49°14'25.7"E
AH = N00°22'40.6"E

R/L NORTHWEST CIR

PI: 763+54.16

PT: 763+93.95

CURVE 40

NW-NE
SEC 17

R/L CTH O

655278.14

N0°22'41"E

CTH O

PI: 656+91.33

EP: 657+85.21
Y = 217582.753
X = 507307.784

93.88

N0°18'58"W

SW-SW
SEC 08

SE-SW
SEC 08

CURVE 39
PI STA = 761+30.18
Y = 216698.591
X = 507309.920
DELTA = 70°22'17"
D = 76°04'57"
T = 53.10'
L = 92.49'
R = 75.31'
PC STA = 760+77.08
Y = 216685.337
X = 507361.334
PT STA = 761+69.58
Y = 216751.470
X = 507305.132
BK = N75°32'40.8"W
AH = N05°10'24.2"W

CURVE 40
PI STA = 763+54.16
Y = 216936.054
X = 507305.132
DELTA = 48°46'31"
D = 57°17'45"
T = 45.34'
L = 85.13'
R = 100.00'
PC STA = 763+08.82
Y = 216890.718
X = 507305.132
PT STA = 763+93.95
Y = 216965.931
X = 507271.034
BK = N00°00'00.0"W
AH = N48°46'31.5"W

T 4 N
8 8
17 17
R 19 E

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 159	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 08-ad
PLOT DATE : 10/2/2022 12:22 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

2

SE-SE
SEC 07

NW-SE
SEC 07

NE-SE
SEC 07

NE-SE
SEC 07

NW-SW
SEC 08

SE-NE
SEC 07

N

706

BP: 706+00.00
Y = 218422.506
X = 504410.301

GREELEY DR

R/L GREELEY DR

710

N59°51'54"E
831.58

STA 281+07.20 R/L STH 83 =
STA 714+31.58 R/L GREELEY DR
Y = 218839.993
X = 505129.493

CURVE 10

MATCH LINE STA 278+00

1814.90
N45°24'17"W

280

285

STH 83

290

1126.23
N43°52'26"W

R/L STH 83

PC: 279+73.76

PI: 281+18.14

PT: 282+62.50

PC: 293+88.72

295

CURVE 11

PI: 297+06.95

PI: 300+19.50

300

433.16
N62°35'59"W

MATCH LINE STA 304+00

CURVE 10

PI STA = 281+18.14
Y = 218847.083
X = 505121.128
DELTA = 1°31'50"
D = 0°31'48"
T = 144.38'
L = 288.74'
R = 10808.04'
PC STA = 279+73.76
Y = 218745.717
X = 505223.936
PT STA = 282+62.50
Y = 218951.160
X = 505021.064
BK = N45°24'16.6"W
AH = N43°52'26.3"W

CURVE 11

PI STA = 297+06.95
Y = 219992.419
X = 504019.949
DELTA = 18°43'33"
D = 2°58'07"
T = 318.23'
L = 630.78'
R = 1930.00'
PC STA = 293+88.72
Y = 219763.020
X = 504240.504
PT STA = 300+19.50
Y = 220138.868
X = 503737.422
BK = N43°52'26.3"W
AH = N62°35'59.5"W

T 4 N
7 8
7 8
R 19 E

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 160	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 09-ad

PLOT DATE : 10/2/2022 12:22 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

T 4 N
7
R 19 E

NW-SE
SEC 07

SE-NW
SEC 07

PI: 312+45.37

SW-NE
SEC 07

STH 83

NE-NW
SEC 07

PC: 304+52.66

MATCH LINE STA 304+00

305

310

315

320

325

330

CURVE 12

R/L STH 83

433.16

N62°35'59"W

PT: 320+00.27

1718.64

N32°01'24"W

MATCH LINE STA 333+00

N

CURVE 12

PI STA = 312+45.37
Y = 220703.014
X = 502649.081
DELTA = 30°34'35"
D = 1°58'33"
T = 792.71'
L = 1547.61'
R = 2900.00'
PC STA = 304+52.66
Y = 220338.208
X = 503352.859
PT STA = 320+00.27
Y = 221375.098
X = 502228.734
BK = N62°35'59.5"W
AH = N32°01'24.3"W

SW-NE
SEC 07

NW-NE
SEC 07

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 161	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 10-ad

PLOT DATE : 10/2/2022 12:22 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

NW-NW
SEC 07

NE-NW
SEC 07

SW-SW
SEC 06

SE-SW
SEC 06

NW-SW
SEC 06

NE-SW
SEC 06

TOWNSHIP LINE

N

BP: 800+00.00
Y = 223462.919
X = 500033.463

800

N64°43'49"E
822.26

805

PC: 337+18.91

PI: 339+11.26

PT: 341+03.46

STA 348+39.73 R/L STH 83 =
PI STA 808+22.26 R/L CTH L
Y = 223813.925
X = 500777.040

PI: 808+22.26
Y = 223813.925
X = 500777.040

PC: 352+21.76

PI: 353+44.41

MATCH LINE STA 333+00

1718.64
N32°01'24"W

335

340

1118.30
N28°10'06"W

345

STH 83

350

1118.30
N28°10'06"W

355

2472.39
N25°42'56"W

360

MATCH LINE STA 362+00

CURVE 13

CURVE 14

R/L STH 83

CTH L

PT: 354+67.03

810

N64°43'49"E
911.55

R/L CTH L

815

817

EP: 817+33.81
Y = 224203.046
X = 501601.361

T 4 N
R 6 6 E
7 7
19

CURVE 13
PI STA = 339+11.26
Y = 222995.295
X = 501215.402
DELTA = 3°51'19"
D = 1°00'09"
T = 192.35'
L = 384.55'
R = 5715.19'
PC STA = 337+18.91
Y = 222832.216
X = 501317.398
PT STA = 341+03.46
Y = 223164.862
X = 501124.602
BK = N32°01'24.3"W
AH = N28°10'05.6"W

CURVE 14
PI STA = 353+44.41
Y = 224258.839
X = 500538.797
DELTA = 2°27'10"
D = 1°00'00"
T = 122.65'
L = 245.26'
R = 5729.58'
PC STA = 352+21.76
Y = 224150.714
X = 500596.696
PT STA = 354+67.03
Y = 224369.343
X = 500485.578
BK = N28°10'05.6"W
AH = N25°42'56.1"W

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 162	E

2

2

WALWORTH COUNTY LINE
RACINE COUNTY LINE

SE-NE
SEC 01

T 4 N R 18 E
1 1

T 4 N R 19 E
6 9

NW-SW
SEC 06

MATCH LINE STA 362+00

365

2472.39
N25°42'56"W

370

STH 83

375

380

385

390

N39°48'57"W
876.79

MATCH LINE STA 392+00

PC: 379+39.41

PT: 388+82.72

CURVE 15

R/L STH 83

STA 377+64.66 R/L STH 83 =
RACINE/WALWORTH COUNTY LINE
Y = 226439.419
X = 499488.625

PI: 384+13.46

NE-NE
SEC 01

NW-SW
SEC 06

SW-NW
SEC 06

WALWORTH COUNTY LINE
RACINE COUNTY LINE

TOWNSHIP LINE

NW-NW
SEC 06

T 4 N R 19 E
6 1

CURVE 15

PI STA = 384+13.46
Y = 227023.959
X = 499207.109
DELTA = 14°06'01"
D = 1°29'41"
T = 474.05'
L = 943.30'
R = 3833.03'
PC STA = 379+39.41
Y = 226596.862
X = 499412.800
PT STA = 388+82.72
Y = 227388.076
X = 498903.566
BK = N25°42'56.1"W
AH = N39°48'57.5"W

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 163	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 12-ad

PLOT DATE : 10/2/2022 12:22 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

CURVE 42

PI STA = 908+52.69
Y = 227583.941
X = 497868.000
DELTA = 17°52'25"
D = 28°38'52"
T = 31.45'
L = 62.39'
R = 200.00'
PC STA = 908+21.23
Y = 227563.902
X = 497843.760
PT STA = 908+83.63
Y = 227595.574
X = 497897.221
BK = N50°25'08.1"E
AH = N68°17'33.6"E

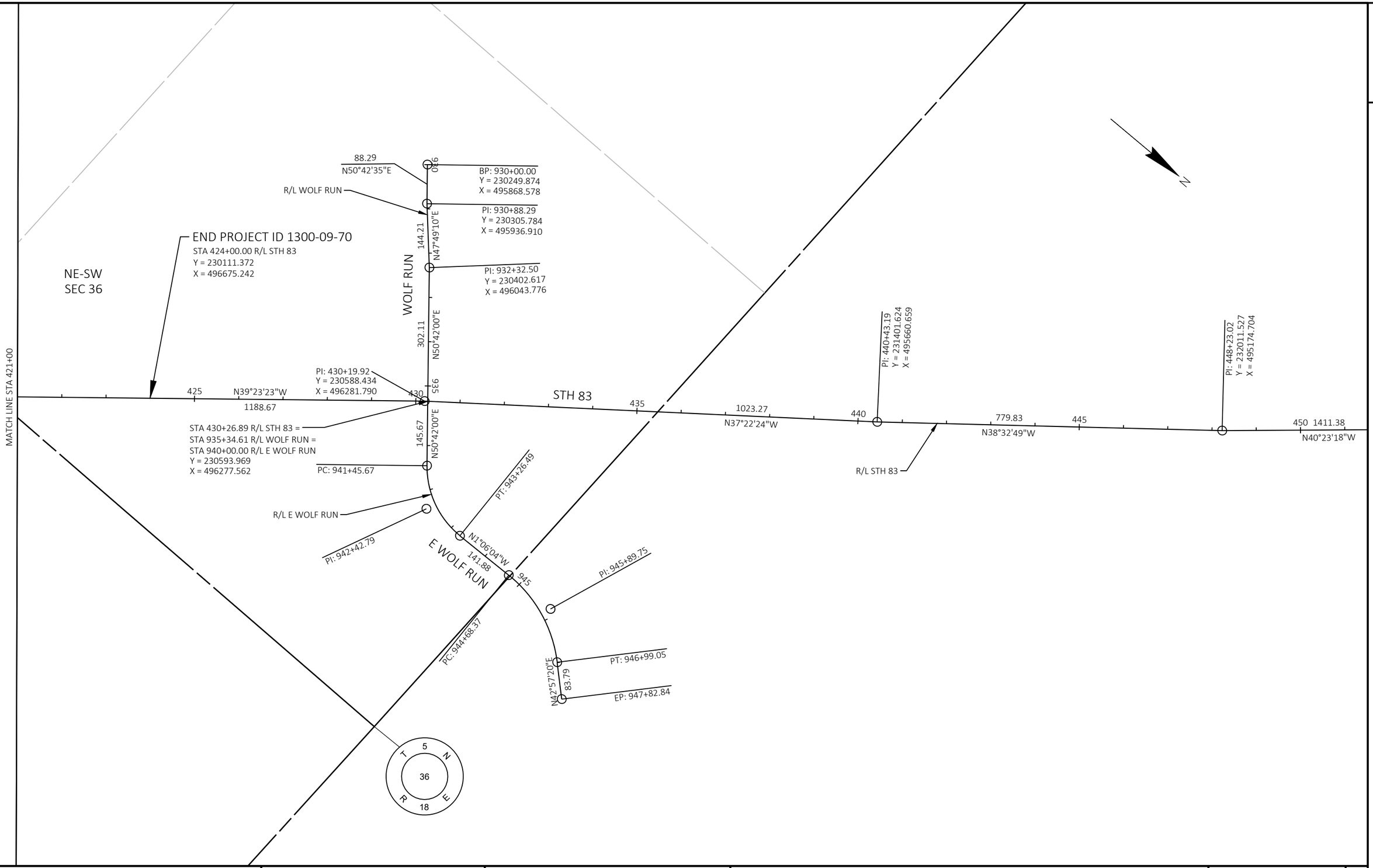
CURVE 43

PI STA = 910+62.51
Y = 227661.737
X = 498063.420
DELTA = 17°58'57"
D = 28°38'52"
T = 31.65'
L = 62.77'
R = 200.00'
PC STA = 910+30.87
Y = 227650.033
X = 498034.019
PT STA = 910+93.64
Y = 227681.947
X = 498087.772
BK = N68°17'33.6"E
AH = N50°18'37.0"E

CURVE 42
N50°25'08"E
821.23
PC: 908+21.23
PI: 908+52.69
PT: 908+83.63
N68°17'34"E
910 147.24
PC: 910+30.87
PI: 910+62.51
PT: 910+93.64
CURVE 43
NW-NE
SEC 01
TOWNSHIP LINE
SE-SW
SEC 36
N
R/L W BOXHORN DR
W BOXHORN DR
N50°18'37"E
438.44
915
PI: 397+59.51
Y = 228061.544
X = 498342.136
SW-SE
SEC 36
PI: 411+73.93
Y = 229161.133
X = 497452.472
BP: 920+00.00
Y = 229319.559
X = 496765.428
R/L W DEWEY DR
145.01
N53°19'57"E
PI: 921+45.01
Y = 229606.153
X = 496881.740
W DEWEY DR
159.68
N50°59'58"E
MATCH LINE STA 392+00
876.79
N39°48'57"W
395
STH 83
400
1414.43
N38°58'33"W
405
410
415
657.32
N39°18'11"W
420
N39°23'23"W
1188.67
MATCH LINE STA 421+00
PI: 418+31.25
Y = 229669.774
X = 497036.110
STA 400+23.91 R/L STH 83 =
WALWORTH/WAUKESHA COUNTY LINE
Y = 228267.010
X = 498175.826
R/L STH 83
STA 396+29.85 R/L STH 83 =
STA 915+32.08 R/L W BOXHORN DR
Y = 227961.950
X = 498425.161
STA 418+78.96 R/L STH 83 =
STA 923+04.69 R/L DEWEY DR
Y = 229706.645
X = 497005.835
NE-NE
SEC 01
WALWORTH COUNTY LINE
WAUKESHA COUNTY LINE
TOWNSHIP LINE
SE-SE
SEC 36
SW-SE
SEC 36
NW-SE
SEC 36

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 164	E

2



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	ALIGNMENT PLAN	SHEET 165	E

2

STH 83 - CURVE 5 (PI STA 178+21.26)					
		SLOPE			
STATION	DESCRIPTION	LT AGG SHLD	LT LN/SHLD	RT LN/SHLD	RT AGG SHLD
171+97.26	END NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
172+48.37	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
172+99.49	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
173+09.71	POINT OF CURVE	--	--	--	--
173+40.37	BEGIN FULL SUPER	3.60%	3.60%	-3.60%	-4.00%
182+94.53	END FULL SUPER	3.60%	3.60%	-3.60%	-4.00%
183+25.20	POINT OF TANGENT	--	--	--	--
183+35.42	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
183+86.53	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
184+37.64	BEGIN NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

STH 83 - CURVE 6 (PI STA 202+22.52)					
		SLOPE			
STATION	DESCRIPTION	LT AGG SHLD	LT LN/SHLD	RT LN/SHLD	RT AGG SHLD
196+81.26	END NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
197+32.57	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
197+71.90	POINT OF CURVE	--	--	--	--
197+83.87	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
197+91.57	BEGIN FULL SUPER	2.30%	2.30%	-2.30%	-4.00%
206+51.67	END FULL SUPER	2.30%	2.30%	-2.30%	-4.00%
206+59.37	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
206+71.34	POINT OF TANGENT	--	--	--	--
207+10.67	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
207+61.98	BEGIN NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

STH 83 - CURVE 7 (PI STA 215+41.46)					
		SLOPE			
STATION	DESCRIPTION	LT AGG SHLD	LT LN/SHLD	RT LN/SHLD	RT AGG SHLD
213+34.28	END NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
213+85.12	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
214+25.79	POINT OF CURVE	--	--	--	--
214+35.95	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
214+46.12	BEGIN FULL SUPER	2.40%	2.40%	-2.40%	-4.00%
216+36.77	END FULL SUPER	2.40%	2.40%	-2.40%	-4.00%
216+46.94	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
216+57.10	POINT OF TANGENT	--	--	--	--
216+97.77	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
217+48.60	BEGIN NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

STH 83 - CURVE 9 (PI STA 250+60.10)					
		SLOPE			
STATION	DESCRIPTION	LT AGG SHLD	LT LN/SHLD	RT LN/SHLD	RT AGG SHLD
245+25.83	END NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
245+76.90	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
246+27.97	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
246+72.24	POINT OF CURVE	--	--	--	--
246+79.05	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
247+19.90	BEGIN FULL SUPER	-5.60%	-5.60%	5.60%	4.00%
253+83.66	END FULL SUPER	-5.60%	-5.60%	5.60%	4.00%
254+24.52	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
254+31.33	POINT OF TANGENT	--	--	--	--
254+75.59	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
255+26.66	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
255+77.74	BEGIN NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

STH 83 - CURVE 11 (PI STA 297+06.95)					
		SLOPE			
STATION	DESCRIPTION	LT AGG SHLD	LT LN/SHLD	RT LN/SHLD	RT AGG SHLD
292+52.19	END NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
293+03.39	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
293+54.59	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
293+88.72	POINT OF CURVE	--	--	--	--
294+05.79	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
294+31.39	BEGIN FULL SUPER	-5.00%	-5.00%	5.00%	5.00%
299+76.84	END FULL SUPER	-5.00%	-5.00%	5.00%	5.00%
300+02.44	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
300+19.50	POINT OF TANGENT	--	--	--	--
300+53.64	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
301+04.84	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
301+56.04	BEGIN NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

STH 83 - CURVE 12 (PI STA 312+45.37)					
		SLOPE			
STATION	DESCRIPTION	LT AGG SHLD	LT LN/SHLD	RT LN/SHLD	RT AGG SHLD
303+33.66	END NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
303+84.66	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
304+35.66	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
304+52.66	POINT OF CURVE	--	--	--	--
304+86.66	BEGIN FULL SUPER	4.00%	4.00%	-4.00%	-4.00%
319+66.28	END FULL SUPER	4.00%	4.00%	-4.00%	-4.00%
320+00.27	POINT OF TANGENT	--	--	--	--
320+17.28	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
320+68.28	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
321+19.28	BEGIN NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

2

MAPLE RD - CURVE 33 (PI STA 49+08.76)					
		SLOPE			
STATION	DESCRIPTION	LT AGG SHLD	LT LN/SHLD	RT LN/SHLD	RT AGG SHLD
47+36.89	END NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
47+81.39	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
48+25.89	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
48+40.73	POINT OF CURVE	--	--	--	--
48+70.39	BEGIN FULL SUPER	4.00%	4.00%	-4.00%	-4.00%
49+38.80	END FULL SUPER	4.00%	4.00%	-4.00%	-4.00%
49+68.47	POINT OF TANGENT	--	--	--	--
49+83.30	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
50+27.80	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
50+72.30	BEGIN NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

HONEY CREEK RD - CURVE 34 (PI STA 610+01.82)					
		SLOPE			
STATION	DESCRIPTION	LT AGG SHLD	LT LN/SHLD	RT LN/SHLD	RT AGG SHLD
602+79.39	END NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
603+27.60	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
603+75.80	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
603+90.27	POINT OF CURVE	--	--	--	--
604+21.60	BEGIN FULL SUPER	3.90%	3.90%	-3.90%	-4.00%
615+56.43	END FULL SUPER	3.90%	3.90%	-3.90%	-4.00%
615+87.76	POINT OF TANGENT	--	--	--	--
616+02.23	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
616+50.43	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
616+98.64	BEGIN NORMAL CROWN & SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%

CTH O - CURVE 41 (PI STA 652+75.01)			
		SLOPE	
STATION	DESCRIPTION	LT LN/SHLD	RT LN/SHLD
650+42.64	END NORMAL CROWN & SHOULDER	-2.00%	-2.00%
650+77.03	LEVEL CROWN	-2.00%	0.00%
651+11.41	REVERSE CROWN	-2.00%	2.00%
651+42.36	POINT OF CURVE	--	--
651+75.03	BEGIN FULL SUPER	-5.00%	5.00%
653+58.72	END FULL SUPER	-5.00%	5.00%
653+91.39	POINT OF TANGENT	--	--
654+22.34	REVERSE CROWN	-2.00%	2.00%
654+56.72	LEVEL CROWN	-2.00%	0.00%
654+91.11	BEGIN NORMAL CROWN & SHOULDER	-2.00%	-2.00%

2

EXISTING R/W
74
73
72
70
STH 83
71
PARK DR
11
12
13
R/L PARK DR
R/L STH 83
CP 100
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 71+84.13, 81.46' RT
Y = 202835.635
X = 517884.628
EL= 815.42
N

83
82
81
80
79
78
STH 83
EXISTING R/W
R/L STH 83
CP 127
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 80+89.49, 25.51' RT
Y = 203552.479
X = 517328.809
EL= 824.44
N

100
99
98
97
96
95
STH 83
EXISTING R/W
CP 102
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 97+63.63, 29.75' LT
Y = 204874.324
X = 516304.034
EL= 835.78
R/L STH 83
N

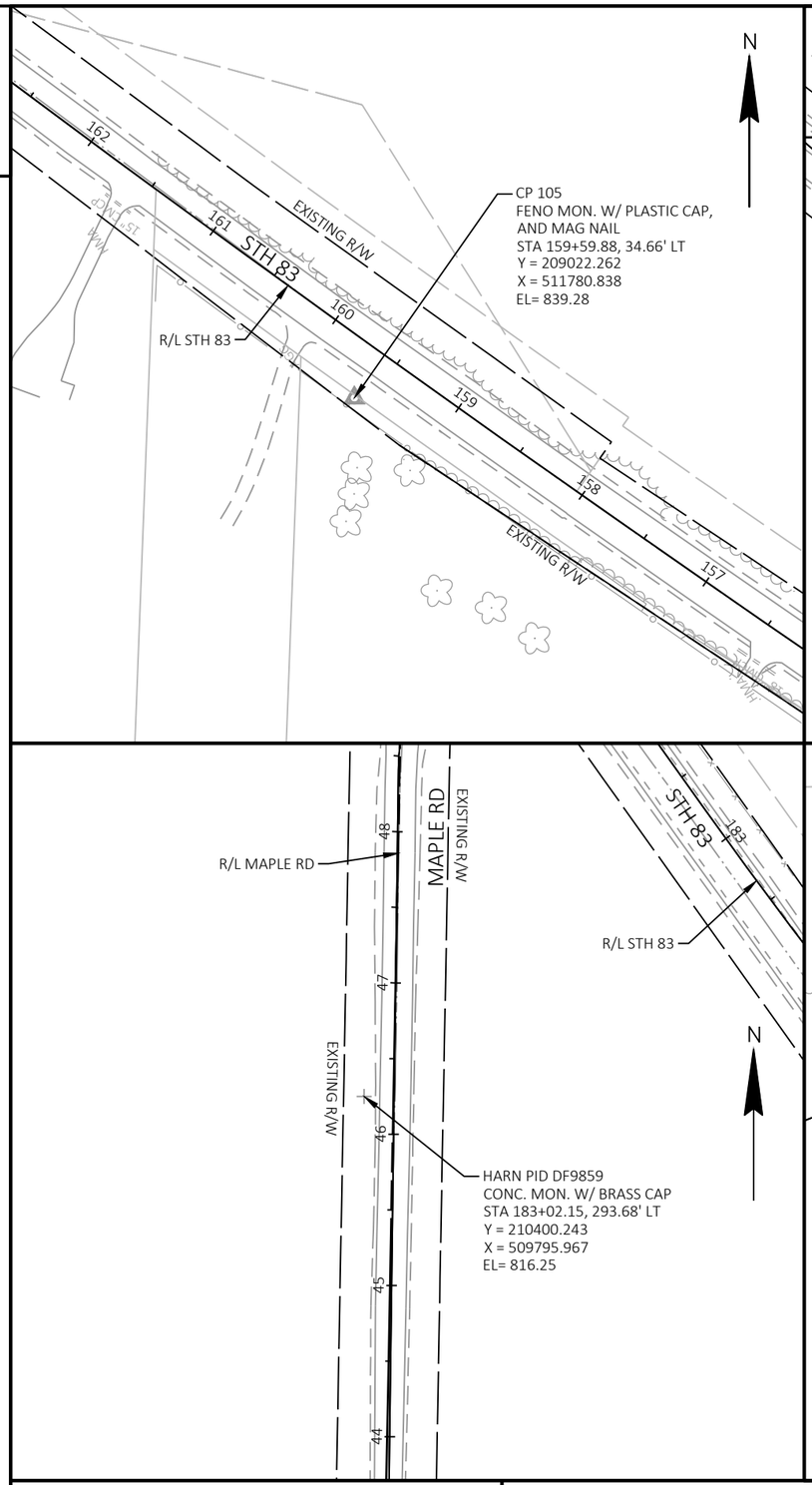
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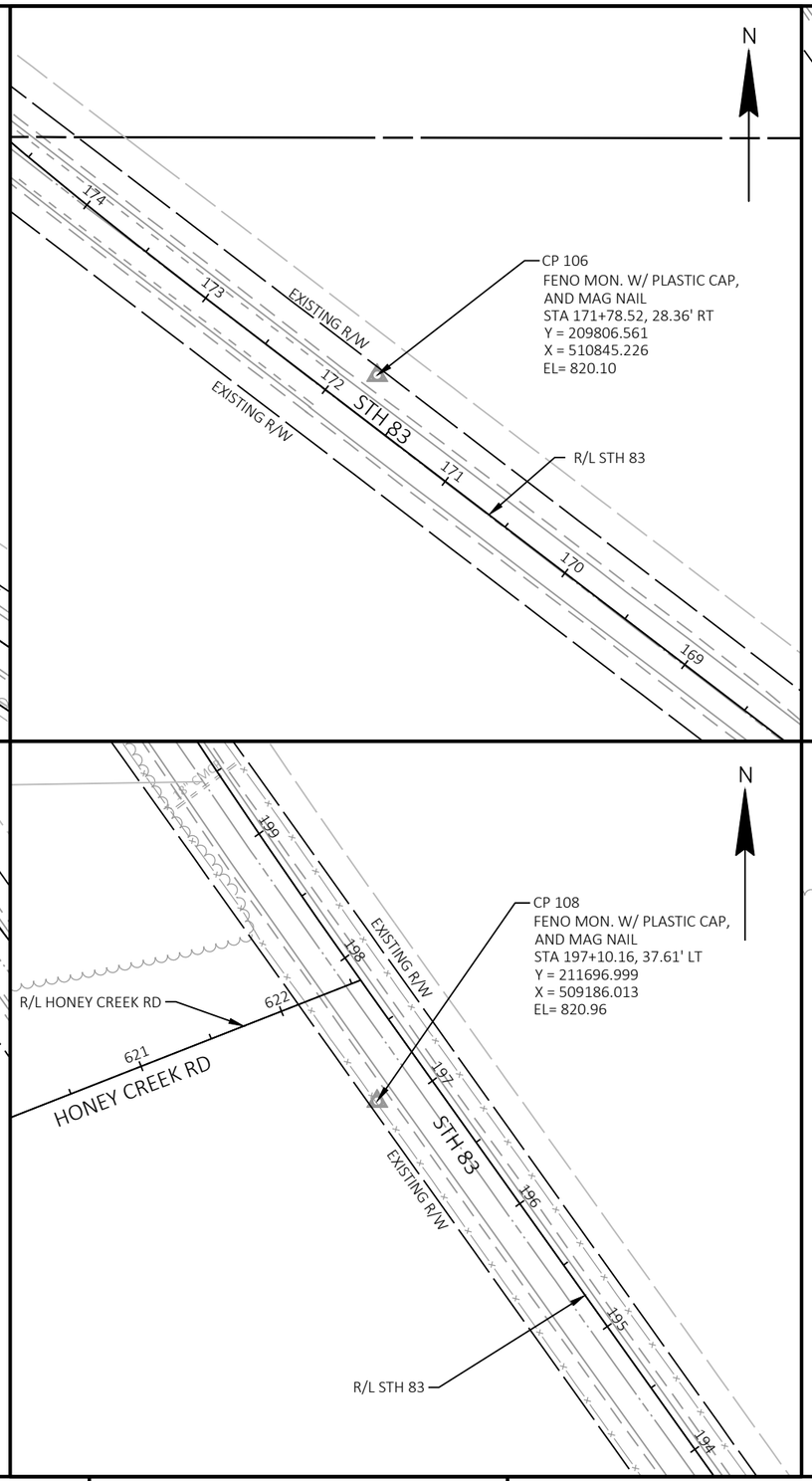
120
119
118
117
116
115
STH 83
EXISTING R/W
CP 103
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 117+50.00, 37.57' RT
Y = 206430.609
X = 515067.836
EL= 830.99
R/L MAMEROW'S LN
R/L STH 83
MAMEROW'S LN
25
26
27
N

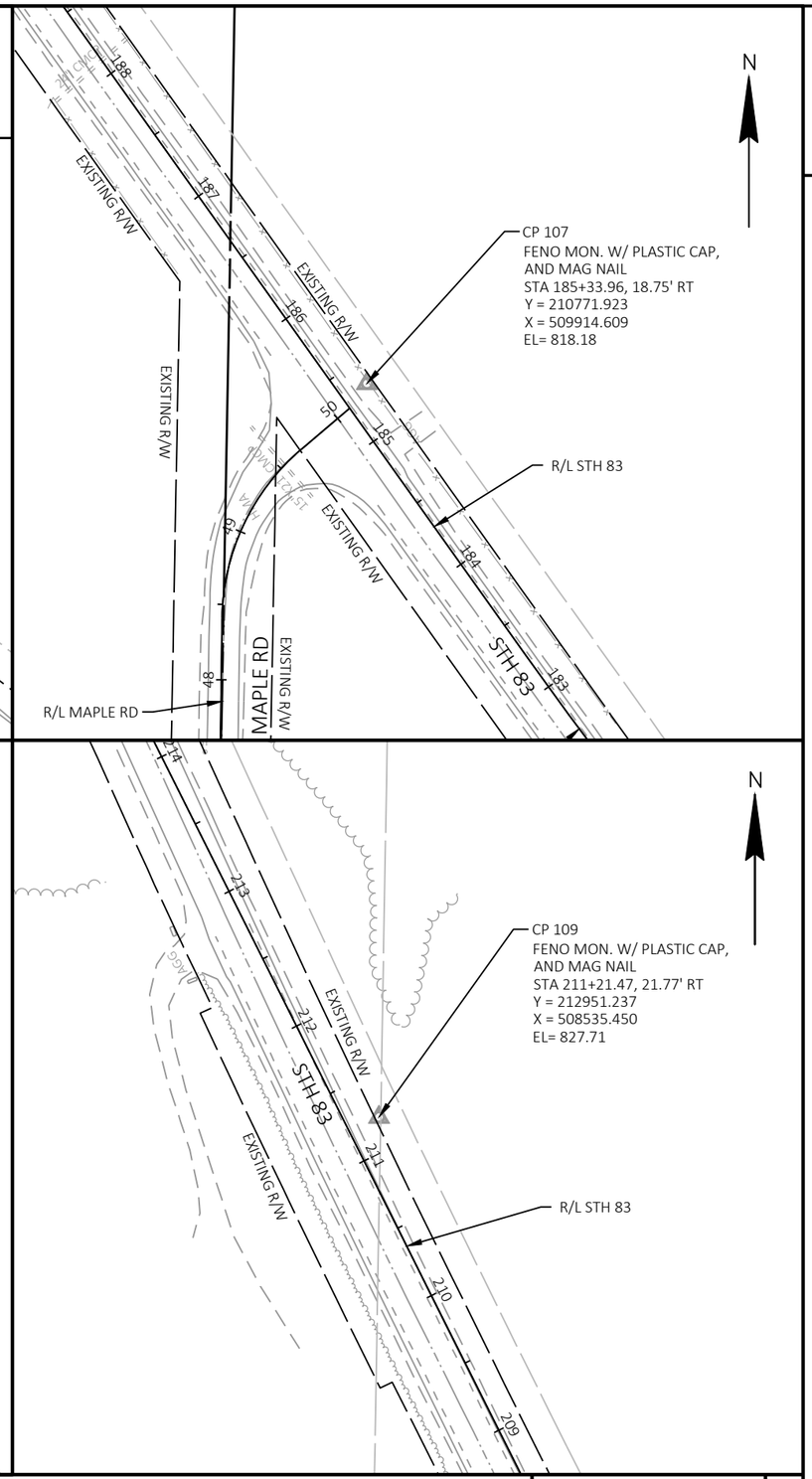
132
131
130
129
128
STH 83
EXISTING R/W
HILL VALLEY DR
CP 104
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 130+21.63, 104.32' LT
Y = 207287.693
X = 514116.922
EL= 831.64
R/L STH 83
R/L HILL VALLEY DR
N

146
145
144
143
142
141
STH 83
EXISTING R/W
HARN PID DF9858
CONC. MON. w/ BRASS CAP
STA 144+12.77, 29.43' RT
Y = 208211.437
X = 513098.982
EL= 818.13
R/L STH 83
N

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	SURVEY CONTROL	SHEET 168	E

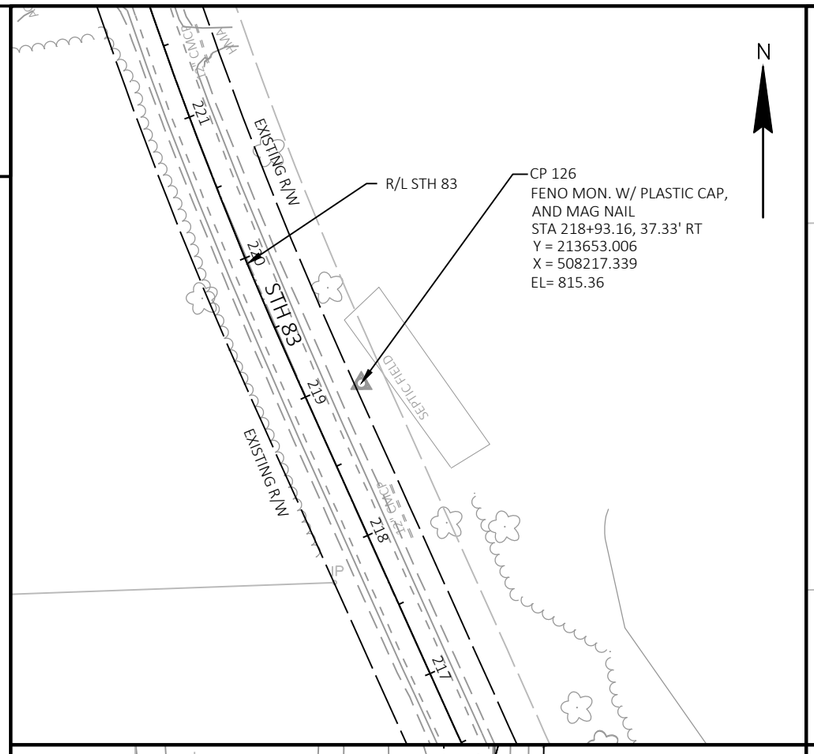


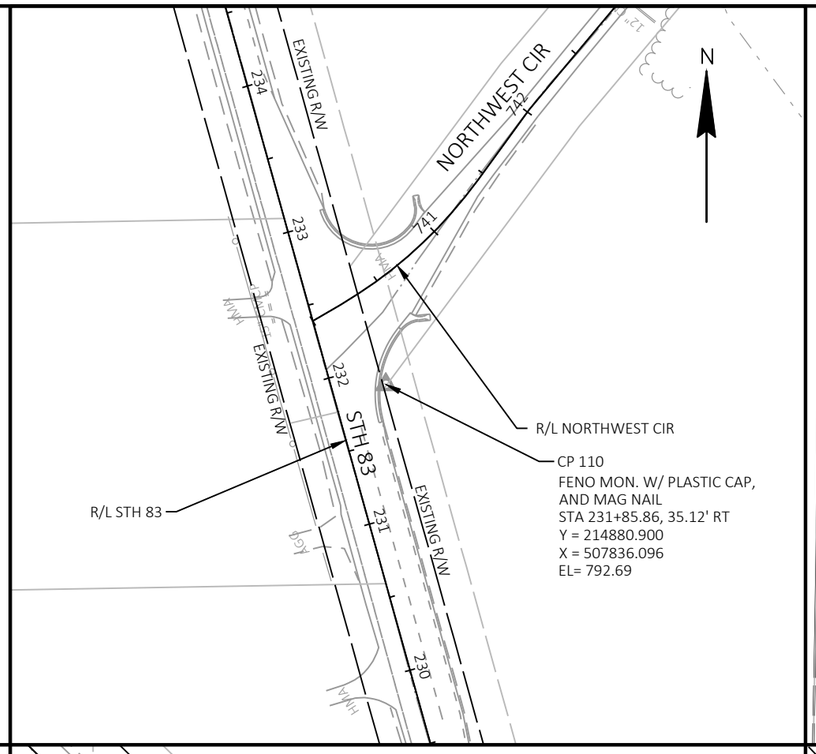


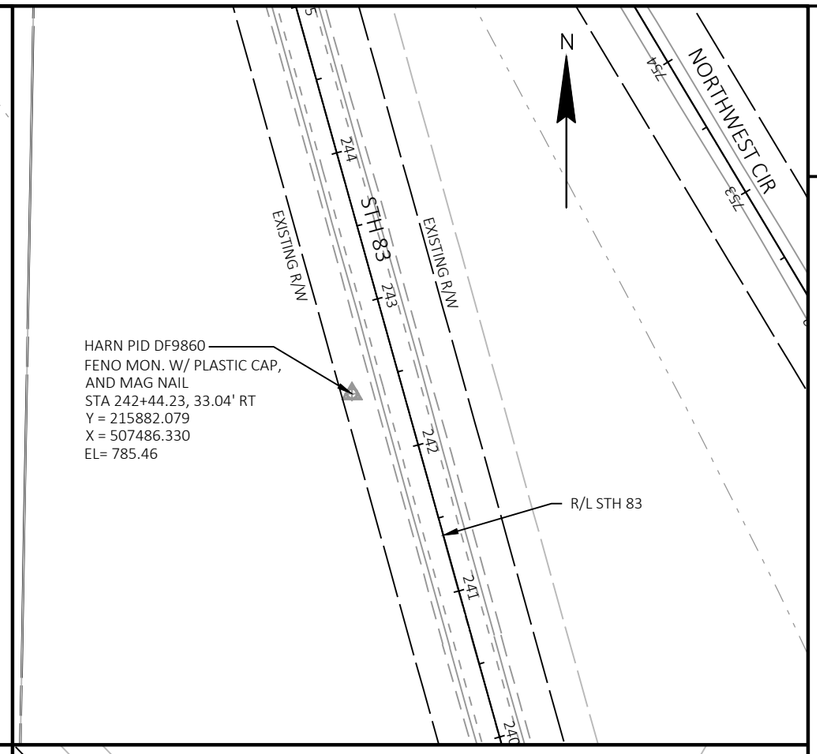


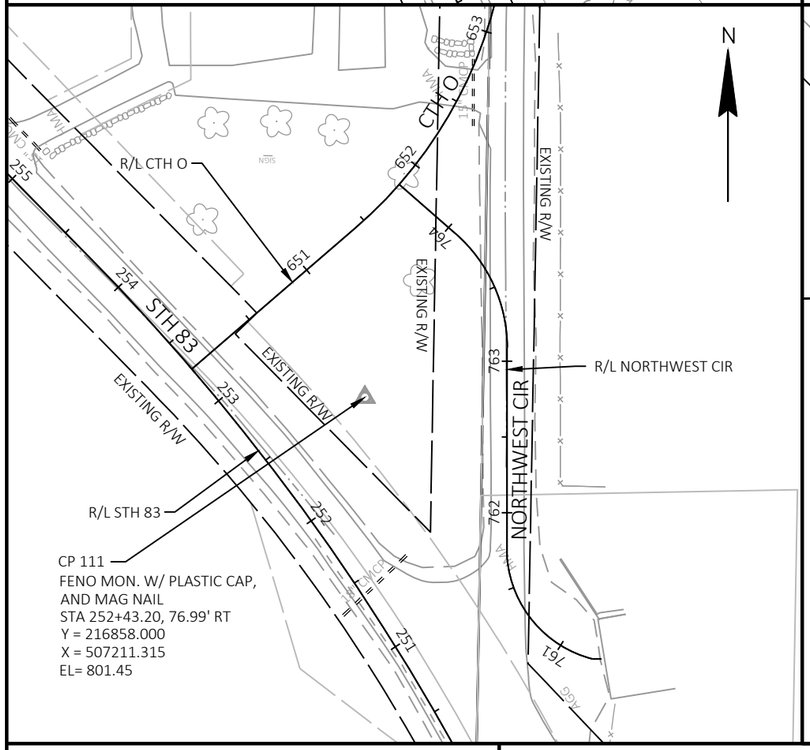
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	SURVEY CONTROL	SHEET 169	E

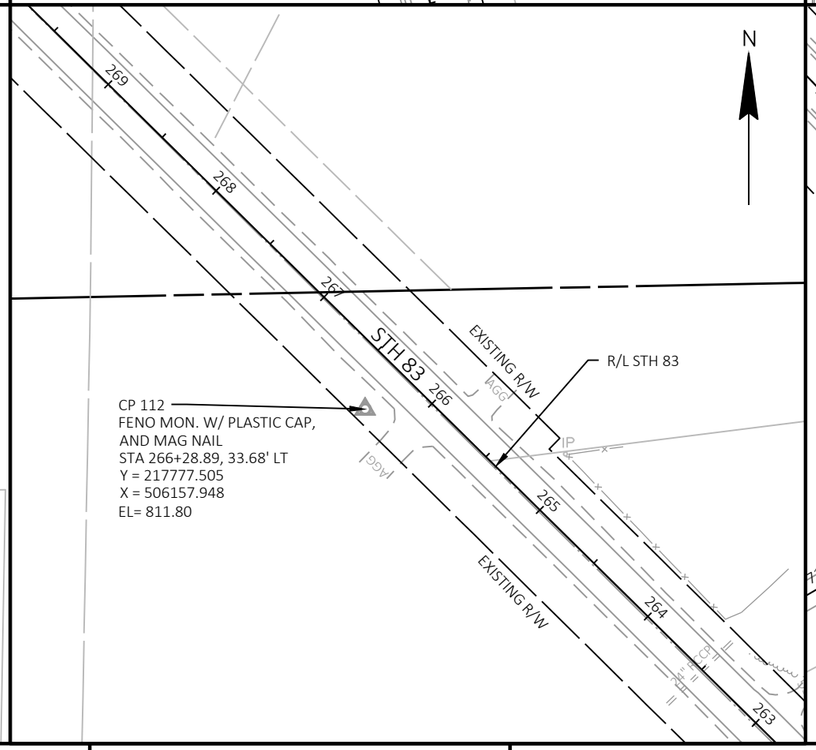
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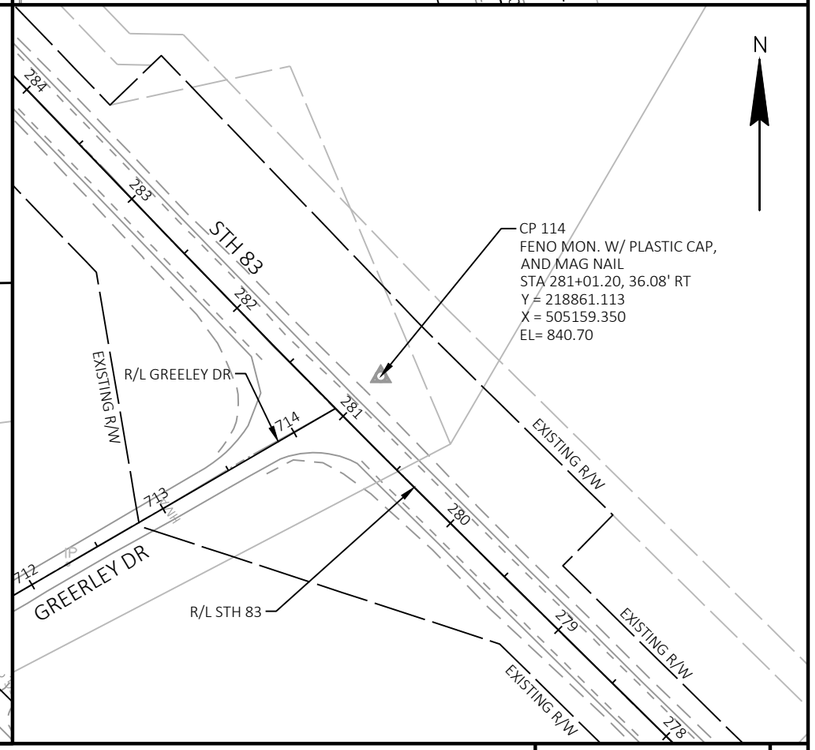












PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	SURVEY CONTROL	SHEET 170	E

CP 115
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 297+56.10, 43.56' RT
Y = 220037.675
X = 503987.409
EL= 825.95

R/L STH 83

CP 116
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 307+95.89, 36.33' LT
Y = 220483.758
X = 503037.772
EL= 828.82

HARN PID DF9861
CONC. MON. W/ BRASS CAP
STA 314+41.52, 18.00' LT
Y = 220920.466
X = 502555.538
EL= 830.46

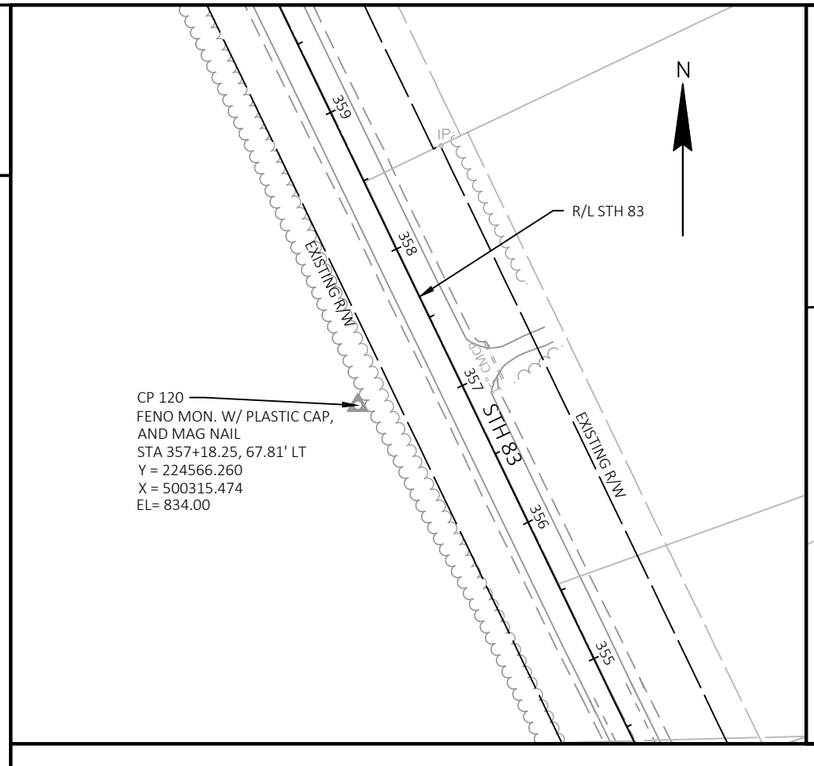
CP 117
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 322+39.27, 37.72' LT
Y = 221557.726
X = 502070.027
EL= 846.98

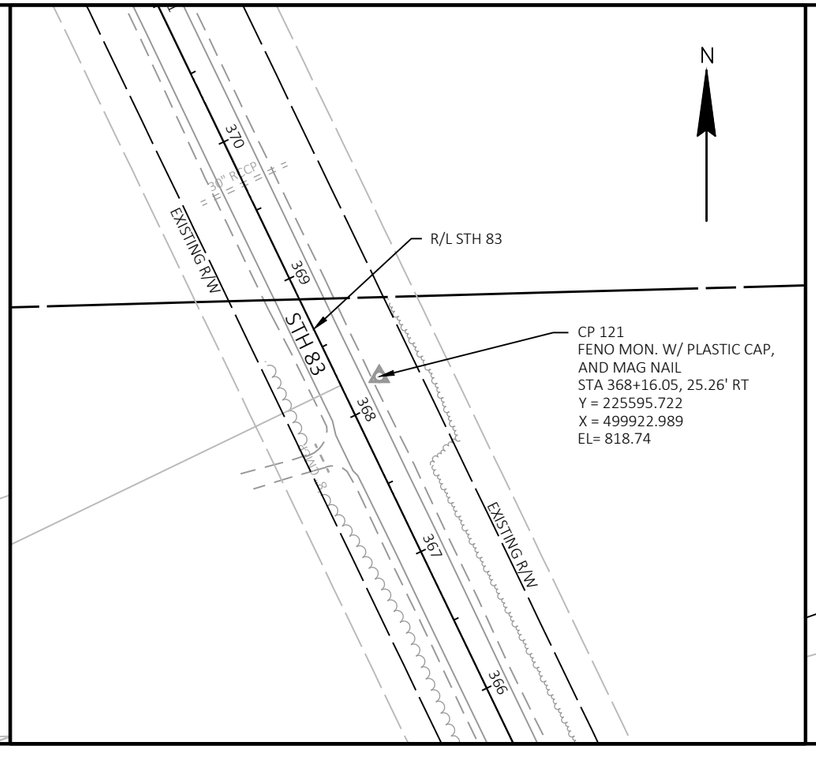
CP 118
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 334+08.36, 32.53' RT
Y = 222586.170
X = 501509.650
EL= 849.86

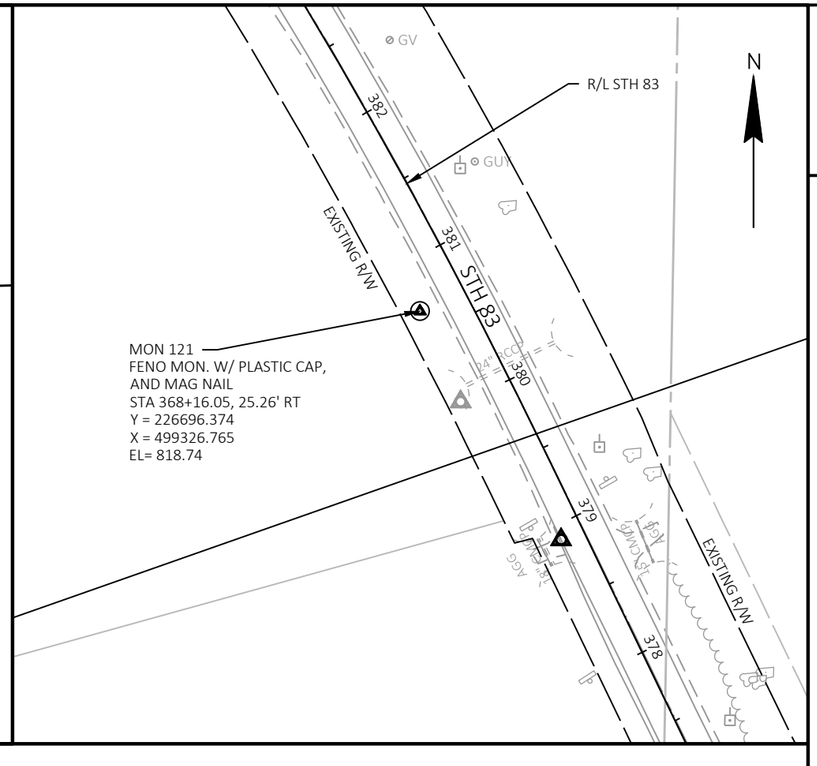
CP 119
FENO MON. W/ PLASTIC CAP,
AND MAG NAIL
STA 347+41.18, 60.28' LT
Y = 223698.597
X = 500770.420
EL= 831.94

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	SURVEY CONTROL	SHEET 171	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\027210-CP.DWG
LAYOUT NAME - 04-sc
PLOT DATE : 10/2/2022 12:23 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44







2

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	SURVEY CONTROL	SHEET 172	E

1300-09-70

Line	Item	Item Description	Unit	Total	Qty
0002	108.4400	CPM Progress Schedule	EACH	1.000	1.000
0004	201.0105	Clearing	STA	35.000	35.000
0006	201.0120	Clearing	ID	396.000	396.000
0008	201.0205	Grubbing	STA	35.000	35.000
0010	201.0220	Grubbing	ID	396.000	396.000
0012	203.0100	Removing Small Pipe Culverts	EACH	18.000	18.000
0014	204.0100	Removing Concrete Pavement	SY	22,680.000	22,680.000
0018	204.0115	Removing Asphaltic Surface Butt Joints	SY	80.000	80.000
0020	204.0120	Removing Asphaltic Surface Milling	SY	92,940.000	92,940.000
0022	204.0150	Removing Curb & Gutter	LF	480.000	480.000
0024	204.0165	Removing Guardrail	LF	1,280.000	1,280.000
0026	204.0170	Removing Fence	LF	4,295.000	4,295.000
0028	204.0175	Removing Concrete Slope Paving	SY	12.000	12.000
0044	204.9060.S	Removing (item description) 03. Height Modernization Geodetic Survey Monument	EACH	2.000	2.000
0046	205.0100	Excavation Common	CY	76,350.000	76,350.000
0048	205.0400	Excavation Marsh	CY	3,800.000	3,800.000
0050	209.2500	Backfill Granular Grade 2	TON	17,460.000	17,460.000
0052	213.0100	Finishing Roadway (project) 01. 1300-09-70	EACH	1.000	1.000
0056	214.0100	Obliterating Old Road	STA	9.900	9.900
0058	305.0110	Base Aggregate Dense 3/4-Inch	TON	7,750.000	7,750.000
0060	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	49,040.000	49,040.000
0062	305.0500	Shaping Shoulders	STA	436.400	436.400
0064	313.0110	Pit Run	TON	53,250.000	53,250.000
0066	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	24.000	24.000
0068	416.0270	Concrete Driveway HES 7-Inch	SY	180.000	180.000
0070	416.1010	Concrete Surface Drains	CY	13.100	13.100
0072	450.4000	HMA Cold Weather Paving	TON	1,100.000	1,100.000
0074	455.0605	Tack Coat	GAL	10,620.000	10,620.000
0076	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0078	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	5.000	5.000
0080	460.2000	Incentive Density HMA Pavement	DOL	5,540.000	5,540.000
0082	460.6223	HMA Pavement 3 MT 58-28 S	TON	11,800.000	11,800.000
0084	460.6224	HMA Pavement 4 MT 58-28 S	TON	17,000.000	17,000.000
0086	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	250.000	250.000
0088	465.0315	Asphaltic Flumes	SY	5.000	5.000
0090	465.0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	16,690.000	16,690.000
0092	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	33,910.000	33,910.000
0094	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000
0096	520.8700	Cleaning Culvert Pipes	EACH	5.000	5.000
0098	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	12.000	12.000
0100	521.1021	Apron Endwalls for Culvert Pipe Steel 21-Inch	EACH	2.000	2.000
0104	521.1072	Apron Endwalls for Culvert Pipe Steel 72-Inch	EACH	1.000	1.000
0106	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	246.000	246.000
0108	521.3121	Culvert Pipe Corrugated Steel 21-Inch	LF	36.000	36.000
0112	521.3172	Culvert Pipe Corrugated Steel 72-Inch	LF	20.000	20.000
0114	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	48.000	48.000
0116	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	256.000	256.000
0120	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	32.000	32.000
0122	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	216.000	216.000

1300-09-70

Line	Item	Item Description	Unit	Total	Qty
0124	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	2.000	2.000
0126	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	4.000	4.000
0128	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	20.000	20.000
0132	522.2329	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	79.000	79.000
0134	522.2414	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 14x23-Inch	LF	38.000	38.000
0136	522.2419	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	283.000	283.000
0138	522.2424	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	48.000	48.000
0140	522.2614	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 14x23-Inch	EACH	2.000	2.000
0142	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	10.000	10.000
0144	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	2.000	2.000
0146	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	2.000	2.000
0148	524.0115	Culvert Pipe Salvaged 15-Inch	LF	31.000	31.000
0150	524.0124	Culvert Pipe Salvaged 24-Inch	LF	32.000	32.000
0158	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	164.000	164.000
0160	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	2,167.000	2,167.000
0162	602.0410	Concrete Sidewalk 5-Inch	SF	390.000	390.000
0166	606.0200	Riprap Medium	CY	230.000	230.000
0168	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	141.000	141.000
0172	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	63.000	63.000
0174	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	263.000	263.000
0176	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	49.000	49.000
0178	611.0612	Inlet Covers Type C	EACH	3.000	3.000
0180	611.0624	Inlet Covers Type H	EACH	6.000	6.000
0186	611.1003	Catch Basins 3-FT Diameter	EACH	3.000	3.000
0188	611.1004	Catch Basins 4-FT Diameter	EACH	4.000	4.000
0190	611.1230	Catch Basins 2x3-FT	EACH	2.000	2.000
0198	614.0305	Steel Plate Beam Guard Class A	LF	87.500	87.500
0200	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	4.000	4.000
0202	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	1,115.000	1,115.000
0204	614.0400	Adjusting Steel Plate Beam Guard	LF	516.000	516.000
0206	614.2300	MGS Guardrail 3	LF	1,131.250	1,131.250
0208	614.2330	MGS Guardrail 3 K	LF	200.000	200.000
0210	614.2340	MGS Guardrail 3 L	LF	205.000	205.000
0212	614.2610	MGS Guardrail Terminal EAT	EACH	8.000	8.000
0214	616.0700.S	Fence Safety	LF	333.000	333.000
0216	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1300-09-70	EACH	1.000	1.000
0220	619.1000	Mobilization	EACH	0.900	0.900
0222	620.0300	Concrete Median Sloped Nose	SF	44.000	44.000
0224	624.0100	Water	MGAL	1,200.000	1,200.000
0226	625.0500	Salvaged Topsoil	SY	50,700.000	50,700.000
0228	627.0200	Mulching	SY	35,500.000	35,500.000
0230	628.1104	Erosion Bales	EACH	250.000	250.000
0232	628.1504	Silt Fence	LF	9,890.000	9,890.000
0234	628.1520	Silt Fence Maintenance	LF	14,835.000	14,835.000
0236	628.1530.S	Silt Fence Heavy Duty	LF	495.000	495.000
0238	628.1535.S	Silt Fence Heavy Duty Maintenance	LF	745.000	745.000
0240	628.1905	Mobilizations Erosion Control	EACH	14.000	14.000
0242	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0244	628.2004	Erosion Mat Class I Type B	SY	30,830.000	30,830.000

1300-09-70

Line	Item	Item Description	Unit	Total	Qty
0246	628.2023	Erosion Mat Class II Type B	SY	9,750.000	9,750.000
0248	628.6505	Soil Stabilizer Type A	ACRE	1.000	1.000
0250	628.7005	Inlet Protection Type A	EACH	11.000	11.000
0254	628.7015	Inlet Protection Type C	EACH	9.000	9.000
0256	628.7020	Inlet Protection Type D	EACH	11.000	11.000
0258	628.7504	Temporary Ditch Checks	LF	485.000	485.000
0260	628.7555	Culvert Pipe Checks	EACH	185.000	185.000
0262	628.7560	Tracking Pads	EACH	2.000	2.000
0264	628.7570	Rock Bags	EACH	225.000	225.000
0266	629.0210	Fertilizer Type B	CWT	42.000	42.000
0268	630.0120	Seeding Mixture No. 20	LB	3,900.000	3,900.000
0270	630.0200	Seeding Temporary	LB	1,000.000	1,000.000
0272	630.0500	Seed Water	MGAL	1,935.000	1,935.000
0274	633.5200	Markers Culvert End	EACH	40.000	40.000
0276	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	109.000	109.000
0278	637.0620	Sign Flags Permanent Type II	EACH	2.000	2.000
0282	637.2210	Signs Type II Reflective H	SF	125.910	125.910
0286	637.2230	Signs Type II Reflective F	SF	354.620	354.620
0288	638.2102	Moving Signs Type II	EACH	45.000	45.000
0290	638.2602	Removing Signs Type II	EACH	32.000	32.000
0292	638.3000	Removing Small Sign Supports	EACH	67.000	67.000
0294	642.5401	Field Office Type D	EACH	1.000	1.000
0296	643.0300	Traffic Control Drums	DAY	2,400.000	2,400.000
0300	643.0420	Traffic Control Barricades Type III	DAY	35,900.000	35,900.000
0302	643.0705	Traffic Control Warning Lights Type A	DAY	71,800.000	71,800.000
0304	643.0715	Traffic Control Warning Lights Type C	DAY	230.000	230.000
0308	643.0900	Traffic Control Signs	DAY	113,300.000	113,300.000
0310	643.0910	Traffic Control Covering Signs Type I	EACH	2.000	2.000
0312	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000
0314	643.1000	Traffic Control Signs Fixed Message	SF	117.000	117.000
0316	643.1050	Traffic Control Signs PCMS	DAY	100.000	100.000
0318	643.3105	Temporary Marking Line Paint 4-Inch	LF	2,400.000	2,400.000
0324	643.3770	Temporary Marking Raised Pavement Marker Type II	EACH	750.000	750.000
0326	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	120.000	120.000
0330	643.5000	Traffic Control	EACH	0.900	0.900
0334	645.0115	Geotextile Type ES	SY	6,840.000	6,840.000
0336	645.0120	Geotextile Type HR	SY	970.000	970.000
0338	646.1020	Marking Line Epoxy 4-Inch	LF	60,145.000	60,145.000
0340	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	71,885.000	71,885.000
0342	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	2,795.000	2,795.000
0344	646.4505	Marking Line Same Day Paint 4-Inch	LF	71,600.000	71,600.000
0346	646.5020	Marking Arrow Epoxy	EACH	16.000	16.000
0348	646.5120	Marking Word Epoxy	EACH	7.000	7.000
0350	646.5520	Marking Outfall Epoxy	EACH	39.000	39.000
0352	646.6120	Marking Stop Line Epoxy 18-Inch	LF	677.000	677.000
0354	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	131,025.000	131,025.000
0356	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	2,795.000	2,795.000
0358	646.7120	Marking Diagonal Epoxy 12-Inch	LF	35.000	35.000
0362	646.8120	Marking Curb Epoxy	LF	180.000	180.000

1300-09-70

Line	Item	Item Description	Unit	Total	Qty
0364	646.8220	Marking Island Nose Epoxy	EACH	1.000	1.000
0366	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	800.000	800.000
0368	648.0100	Locating No-Passing Zones	MI	6.770	6.770
0370	650.4000	Construction Staking Storm Sewer	EACH	16.000	16.000
0372	650.4500	Construction Staking Subgrade	LF	15,146.000	15,146.000
0374	650.5000	Construction Staking Base	LF	15,146.000	15,146.000
0376	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,331.000	2,331.000
0378	650.6000	Construction Staking Pipe Culverts	EACH	22.000	22.000
0380	650.8000	Construction Staking Resurfacing Reference	LF	26,121.000	26,121.000
0384	650.9911	Construction Staking Supplemental Control (project) 01. 1300-09-70	EACH	1.000	1.000
0388	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,514.000	1,514.000
0390	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	24.000	24.000
0392	652.0605	Conduit Special 2-Inch	LF	219.000	219.000
0394	652.0615	Conduit Special 3-Inch	LF	373.000	373.000
0400	653.0140	Pull Boxes Steel 24x42-Inch	EACH	13.000	13.000
0406	654.0105	Concrete Bases Type 5	EACH	4.000	4.000
0408	655.0230	Cable Traffic Signal 5-14 AWG	LF	2,344.000	2,344.000
0418	655.0320	Cable Type UF 2-10 AWG Grounded	LF	403.000	403.000
0422	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,869.000	2,869.000
0424	655.0610	Electrical Wire Lighting 12 AWG	LF	234.000	234.000
0432	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. STH 83 & CTH L	EACH	1.000	1.000
0436	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	4.000	4.000
0438	657.0322	Poles Type 5-Aluminum	EACH	4.000	4.000
0444	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	2.000	2.000
0446	658.0171	Traffic Signal Face 1S 12-Inch	EACH	4.000	4.000
0456	658.5070	Signal Mounting Hardware (location) 01. STH 83 & CTH L	EACH	1.000	1.000
0460	659.1125	Luminaires Utility LED C	EACH	2.000	2.000
0464	690.0150	Sawing Asphalt	LF	1,070.000	1,070.000
0466	690.0250	Sawing Concrete	LF	2,240.000	2,240.000
0468	740.0440	Incentive IRI Ride	DOL	28,700.000	28,700.000
0470	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	3,200.000	3,200.000
0472	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	7,200.000	7,200.000
0474	SPV.0055	Special 01. Incentive Density PWL HMA Pavement	DOL	20,500.000	20,500.000
0476	SPV.0055	Special 02. Incentive Air Voids HMA Pavement	DOL	29,100.000	29,100.000
0478	SPV.0055	Special 03. Incentive Density HMA Pavement Longitudinal Joints	DOL	17,160.000	17,160.000
0480	SPV.0060	Special 01. Transport and Install State Furnished Traffic Signal Cabinet STH 83 & CTH L	EACH	1.000	1.000
0482	SPV.0060	Special 02. Transport and Install State Furnished Radar Detection System STH 83 & CTH L	EACH	1.000	1.000
0484	SPV.0060	Special 04. Culvert Pipe Corrugated Steel 72-Inch 17° Elbow	EACH	1.000	1.000
0486	SPV.0090	Special 01. Silt Fence Double Staked	LF	2,320.000	2,320.000
0490	SPV.0195	Special 01. Asphaltic Repair	TON	1,100.000	1,100.000

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CPM PROGRESS SCHEDULE

CATEGORY	STATION	TO	STATION	LOCATION	108.4400 EACH
0010	BEGIN	-	END	LT/RT	1
				TOTAL 0010	1

CLEARING AND GRUBBING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0010	STH 83								
		125+00	-	126+00	LT	1	--	1	--
		128+00	-	130+00	LT/RT	2		2	--
			177+55		RT	--	12	--	12
		182+00	-	184+00	RT	2	--	2	--
		187+00	-	188+00	LT	1	--	1	--
		189+00	-	192+00	RT	3	--	3	--
		198+00	-	205+00	LT/RT	7	--	7	--
		206+00	-	207+00	RT	1	--	1	--
		208+00	-	214+00	LT	6	--	6	--
			228+02		RT	--	4	--	4
		249+00	-	250+00	LT	1	--	1	--
			296+70		LT	--	36	--	36
			298+65		LT	--	45	--	45
			299+64		LT	--	22	--	22
			299+73		LT	--	20	--	20
			299+83		LT	--	12	--	12
			299+90		LT	--	15	--	15
			299+96		LT	--	12	--	12
			300+02		LT	--	22	--	22
			300+56		LT	--	24	--	24
			300+73		LT	--	26	--	26
			301+33		LT	--	18	--	18
			301+38		LT	--	36	--	36
			301+54		LT	--	18	--	18
			301+62		LT	--	20	--	20
			301+72		LT	--	18	--	18
		304+00	-	308+00	RT	4	--	4	--
	HILL VALLEY DR								
		34+00	-	34+50	RT	1	--	1	--
	MAPLE RD								
			49+40		RT	--	36	--	36
	HONEY CREEK RD								
		604+00	-	607+00	RT	3	--	3	--
		621+00	-	622+00	LT	1	--	1	--
	CTH O								
		650+00	-	652+00	RT	2	--	2	--
					TOTALS 0010	35	396	35	396

REMOVING SMALL PIPE CULVERTS

CATEGORY	ROADWAY	STATION	OFFSET	DESCRIPTION	203.0100 EACH	REMARKS
0010	STH 83					
		76+15	LT/RT	18" CMCP	1	
		103+66	LT/RT	24" CMCP	1	
		141+19	LT/RT	18" CMCP	1	
		174+88	LT/RT	18" CMCP	1	
		188+11	LT/RT	24" CMCP	1	
		199+47	LT/RT	18" CMCP	1	
		205+39	LT/RT	24" CMCP	1	
		207+45	LT	15"CMCP	1	DRIVEWAY ON OLD HONEY CREEK RD
		238+56	LT/RT	30" CPCA	1	
		251+38	LT/RT	18" CMCP	1	
		255+10	RT	15" CMCP	1	DRIVEWAY
		308+54	LT/RT	24" RCCP	1	
		321+90	LT	21" CMCP	1	DRIVEWAY
		344+60	RT	15" CMCP	1	DRIVEWAY
		347+74	LT/RT	24" RCCP	1	
		350+19	LT/RT	24" RCCP	1	
	MAPLE RD					
		49+53	RT	15"X21" CMCP	1	
	CTH O					
		652+41	LT	15" CMCP	1	FIRE STATION ENTRANCE
				TOTAL 0010	18	

REMOVING CONCRETE PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0100 SY
0010	STH 83					
		171+90	-	217+90	RT/LT	10,610
		238+50	-	258+00	RT/LT	5,180
		292+00	-	323+00	RT/LT	6,890
					TOTAL 0010	22,680

REMOVING CURB & GUTTER

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	204.0150 LF	REMARKS
0010	STH 83						
		347+59	-	348+07	LT	65	CTH L INTERSECTION SW QUAD
		347+61	-	348+11	RT	81	CTH L INTERSECTION SE QUAD
		348+67	-	349+17	LT	81	CTH L INTERSECTION NW QUAD
		348+71	-	349+20	RT	65	CTH L INTERSECTION NE QUAD
0010	CTH L						
		807+61	-	808+00	RT	94	EB ISLAND
		808+44	-	808+84	LT	94	WB ISLAND
					TOTAL 0010	480	

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REMOVING ASPHALTIC SURFACE BUTT JOINTS

CATEGORY	ROADWAY	STATION	LOCATION	204.0115 SY	REMARKS
0010	STH 83				
		66+29	LT/RT	9	BEGIN PROJECT
		72+36	RT	2	PARK DR
		117+56	LT	6	MAMEROW'S LN
		130+55	LT	5	HILL VALLEY DR
		222+27	LT	5	LOLAND DR
		232+67	RT	6	NORTHWEST CIR
		281+23	LT	6	GREELY DR
		396+30	LT	14	W BOXHORN DR
		424+00	LT/RT	27	END PROJECT
			TOTAL 0010	80	

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0120 SY
0010	STH 83					
		66+29	-	72+36	LT/RT	2,740
		72+36	-	117+55	LT/RT	16,090
		117+55	-	129+87	LT/RT	4,840
		129+87	-	171+90	LT/RT	14,330
		217+90	-	222+10	LT/RT	1,520
		222+10	-	232+39	LT/RT	4,000
		232+39	-	238+50	LT/RT	2,580
		258+00	-	281+07	LT/RT	7,820
		281+07	-	292+00	LT/RT	3,810
		323+00	-	348+40	LT/RT	8,200
		348+40	-	383+60	LT/RT	11,920
		383+60	-	396+30	LT/RT	4,880
		396+30	-	418+79	LT/RT	8,160
		418+79	-	424+00	LT/RT	2,050
					TOTAL 0010	92,940

REMOVING GUARDRAIL

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	204.0165 LF
0010	STH 83					
		124+90	-	125+40	RT	50
		125+79	-	126+16	LT	37
		128+39	-	128+89	RT	50
		128+42	-	128+92	LT	50
		246+51	-	249+21	RT	276
		248+07	-	250+17	LT	210
		299+17	-	301+89	RT	276
		303+31	-	306+62	RT	331
				TOTAL 0010		1,280

REMOVING FENCE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0170 LF	REMARKS
0010	STH 83						
		182+54	-	190+98	RT	821	
		186+66	-	188+06	LT	152	8 LF PERPENDICULAR TO STH 83
		190+82	-	202+83	LT	1,218	
		191+58	-	200+05	RT	847	
		202+19	-	204+69	RT	250	
		295+89	-	297+05	LT	116	
		297+05	-	302+62	LT	529	
0010	HONEY CREEK RD						
		612+40	-	613+97		259	
		614+91	-	615+62		103	
					TOTAL 0010	4,295	

REMOVING CONCRETE SLOPE PAVING

CATEGORY	ROADWAY	STATION	LOCATION	204.0175 SY	REMARKS
0010	STH 83				
		344+60	RT	12	DRIVEWAY
			TOTAL 0010	12	

REMOVING HEIGHT MODERNIZATION GEODETIC SURVEY MONUMENT

CATEGORY	ROADWAY	STATION	LOCATION	204.9060.S.03 EACH	REMARKS
0010	STH 83				
		242+44.23	33.04' LT	1	HMOD DF9860
		314+41.52	18.00' LT	1	HMOD DF9861
			TOTAL 0010	2	

OBLITERATING OLD ROAD

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	214.0100 STA	REMARKS
0010	HONEY CREEK RD						
		606+92	-	612+43	LT	6.4	OLD ALIGNMENT
0010	CTH O						
		651+89	-	653+03	RT	1.8	OLD ALIGNMENT
0010	NORTHWEST CIR						
		748+02	-	749+60	RT	1.7	OLD ALIGNMENT
					TOTAL 0010	9.9	

Division	From/To Station	Location	Common Excavation (1) (item #205.0100) Cut (2)	Common Excavation (1) (item #205.0100) EBS Excavation (3)	Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Marsh Excavation (6) (item #205.0400)	Reduced Marsh in Fill (8) Factor 0.60	Reduced EBS in Fill (9) Factor 0.80	Expanded Marsh Backfill (10) Factor 1.50	Expanded EBS Backfill (11) Factor 1.30	Unexpanded Fill	Expanded Fill (13) Factor 1.25	Mass Ordinate +/- (14)	Waste	Borrow (item # 208.0100)	Comment:
1	608+00 to 621+95	Honey Creek Rd	4,165	0	0	4,165	0	0	0	0	0	1,012	1,265	2,900	2,900		
	630+45 to 632+00	Schmidt Dwy	0	0	0	0	0	0	0	0	0	1,549	1,937	-1,937	-1,937		
	650+73 to 652+00	CTH O	916	0	0	916	0	0	0	0	0	10	13	903	903		
Division 1 Subtotal			5,081	0	0	5,081	0	0	0	0	0	2,572	3,215	1,867	1,867	0	
2	75+50 to 77+00	STH 83	28	0	0	28	0	0	0	0	0	50	62	-34	-34		
	102+78 to 105+00	STH 83	15	0	0	15	0	0	0	0	0	55	69	-55	-55		
	124+44 to 125+82	STH 83	0	26	0	0	0	0	21	0	33	76	69	-68	-68		
	128+39 to 129+75	STH 83	22	0	0	22	0	0	0	0	0	83	104	-82	-82		
	140+50 to 141+50	STH 83	24	0	0	24	0	0	0	0	0	12	16	8	8		
	171+25 to 217+90	STH 83	34,604	46	5,107	29,497	983	590	36	1,474	59	3,080	3,067	26,430	26,430		
	238+50 to 258+00	STH 83	11,013	0	2,472	8,541	1,811	1,087	0	2,717	0	2,254	1,458	7,082	7,082		
	258+40 to 258+85	STH 83	3	0	0	3	0	0	0	0	0	11	14	-11	-11		
	292+00 to 323+00	STH 83	10,942	101	3,820	7,122	0	0	81	0	131	4,316	5,294	1,827	1,827		
	342+16 to 354+18	STH 83	4,367	0	180	4,188	0	0	0	0	0	387	484	3,704	3,704		
	47+25 to 49+60	Maple Rd	451	0	64	387	0	0	0	0	0	34	43	344	344		
	602+00 to 608+00	Honey Creek Rd	2,505	0	119	2,386	0	0	0	0	0	286	358	2,028	2,028		
	632+00 to 635+00	Schmidt Dwy	236	0	0	236	0	0	0	0	0	1,339	1,674	-1,438	-1,438		
	640+28 to 646+84	Dwy 208+67	58	0	0	58	0	0	0	0	0	953	1,192	-1,134	-1,134		
	652+00 to 655+25	CTH O	958	0	62	896	0	0	0	0	0	42	53	843	843		
	759+00 to 763+96	Northwest Cir	717	0	21	695	0	0	0	0	0	211	264	431	431		
	806+17 to 810+28	CTH L	1,154	0	179	975	0	0	0	0	0	18	22	953	953		
Division 2 Subtotal			67,098	172	12,025	55,073	2,794	1,677	138	4,191	224	13,209	14,243	40,830	40,830	0	
Undistributed			0	3,999			1,006										
Grand Total			72,179	4,171	12,025	60,154	3,800	1,677	138	4,191	224	15,780	17,458	42,696	42,696	0	
			Total Common Exc	76,350													

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Backfill Granular Grade 2 material.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
6) Marsh Excavation - to be backfilled with Backfill Granular Grade 2 material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well. Item number 205.0500
8) Reduced Marsh in Fill - Excavated Marsh material is usuable in Fills outside the 1:1 slope. Marsh in Fill Reduction factor = 0.6
9) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
10) Expanded Marsh Backfill - This is to be filled with Backfill Granular Grade 2 material. Marsh Backfill Factor = 1.5. Item number 209.2500
11) Expanded EBS Backfill - This is to be filled with Backfill Granular Grade 2 material. EBS Backfill Factor = 1.3. Item number 209.2500
13) Expanded Fill. Factor = 1.25
Depending on selections:

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor

14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

FINISHING ROADWAY (1300-09-70)

CATEGORY	STATION	TO	STATION	LOCATION	213.0100.01 EACH
0010	BEGIN	-	END	LT/RT	1
				TOTAL 0010	1

BASE AGGREGATE ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	209.2500 BACKFILL GRANULAR GRADE 2 TON	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	313.0110 PIT RUN TON	624.0100 WATER MGAL
0010	STH 83									
		66+29	-	72+36	LT/RT	--	29	--	--	--
		72+36	-	117+55	LT/RT	--	450	--	--	--
		117+55	-	129+87	LT/RT	60	130	--	--	--
		129+87	-	171+90	LT/RT	--	433	--	--	--
		171+90	-	185+27	LT/RT	--	491	5,364	7,351	134
		185+27	-	197+82	LT/RT	102	334	5,404	6,707	135
		197+82	-	217+90	LT/RT	1,998	668	9,445	11,231	236
		217+90	-	222+10	LT/RT	--	47	--	--	--
		222+10	-	232+39	LT/RT	--	116	--	--	--
		232+39	-	238+50	LT/RT	--	70	--	--	--
		238+50	-	253+27	LT/RT	6,554	616	5,799	7,285	145
		253+27	-	258+00	LT/RT	--	166	1,766	2,418	44
		258+00	-	281+07	LT/RT	--	261	--	--	--
		281+07	-	292+00	LT/RT	--	122	--	--	--
		292+00	-	323+00	LT/RT	230	1,264	12,020	16,009	301
		323+00	-	348+40	LT/RT	--	261	--	--	--
		348+40	-	418+79	LT/RT	--	751	--	--	--
		418+79	-	424+00	LT/RT	--	57	--	--	--
0010	MAPLE RD									
		47+25	-	50+11	LT/RT	--	39	682	--	7
0010	HONEY CREEK RD									
		602+00	-	612+04	LT/RT	--	214	2,291	--	23
		612+04	-	622+56	LT/RT	--	206	2,629	--	26
0010	SCHMIDT DWY									
		630+00	-	635+00	LT/RT	--	89	830	--	8
0010	NORTHWEST CIR									
		759+00	-	764+48	LT/RT	--	24	718	--	7
0010	CTH 0									
		650+00	-	655+25	LT/RT	--	13	82	--	1
0010	CTH L									
		806+17	-	808+22	LT/RT	--	50	733	--	7
		808+22	-	810+28	LT/RT	--	50	737	--	7
0010	UNDISTRIBUTED					8,518	--	--	2,250	118
					TOTALS 0010	17,460	6,950	48,500	53,250	1,200

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

SHAPING SHOULDERS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	305.0500 STA
0010	STH 83					
		66+29	-	72+36	LT/RT	6.1
		72+36	-	117+55	LT/RT	85.9
		117+55	-	129+87	LT/RT	19.4
		129+87	-	171+90	LT/RT	84.1
		217+90	-	222+10	LT/RT	8.4
		222+10	-	232+39	LT/RT	20.6
		232+39	-	238+50	LT/RT	12.2
		258+00	-	281+07	LT/RT	46.1
		281+07	-	292+00	LT/RT	21.9
		323+00	-	348+40	LT/RT	43.2
		348+40	-	383+60	LT/RT	62.9
		383+60	-	396+28	LT/RT	11.9
		396+28	-	418+79	LT/RT	10.3
		418+79	-	424+00	LT/RT	3.4
					TOTAL 0010	436.4

SURFACE DRAIN ITEMS

CATEGORY	ROADWAY	STATION	OFFSET	416.1010 CONCRETE SURFACE DRAINS CY	465.0315 ASPHALTIC FLUMES SY	* 606.0200 RIPRAP MEDIUM CY	* 645.0120 GEOTEXTILE TYPE HR SY
0010	STH 83						
		67+60	RT	--	5	2	
		185+92	LT	1.4	--	2	16
		252+57	RT	1.4	--	2	16
		408+48	LT	1.4	--	2	15
0010	MAPLE DR						
		49+25	LT	1.4	--	2	15
0010	HONEY CREEK RD						
		621+71	LT	1.2	--	2	13
		621+89	RT	1.1	--	2	13
0010	CTH L						
		807+44	LT	1.4	--	2	16
		807+63	RT	1.6	--	2	18
		808+81	LT	1.1	--	2	13
		809+00	RT	1.0	--	2	11
			TOTALS 0010	13.1	5	22	147

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

HMA ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0425 ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL TYPE 1 LF	465.0475 ASPHALT CENTERLINE RUMBLE STRIPS 2-LANE RURAL LF
0010	STH 83									
		66+29	-	72+36	LT/RT	202	15	328	--	405
		72+36	-	117+55	LT/RT	1,144	30	1,861	--	4,135
		117+55	-	129+87	LT/RT	364	--	593	--	1,070
		129+87	-	171+90	LT/RT	996	15	1,620	--	3,970
		171+90	-	185+27	LT/RT	401	1,305	652	2,460	1,135
		185+27	-	197+82	LT/RT	435	1,414	707	1,840	885
		197+82	-	217+90	LT/RT	596	1,940	970	3,545	1,790
		217+90	-	222+10	LT/RT	105	--	171	--	230
		222+10	-	232+39	LT/RT	294	--	478	--	620
		232+39	-	238+50	LT/RT	165	--	268	--	415
		238+50	-	253+27	LT/RT	460	1,496	748	2,385	1,270
		253+27	-	258+00	LT/RT	157	512	256	735	270
		258+00	-	281+07	LT/RT	560	--	910	--	2,130
		281+07	-	292+00	LT/RT	266	--	433	--	880
		292+00	-	323+00	LT/RT	854	2,839	1,379	5,725	2,900
		323+00	-	348+40	LT/RT	587	233	1,071	--	5,455
		348+40	-	383+60	LT/RT	816	235	1,524	--	3,310
		383+60		396+28	LT/RT	319	--	519	--	1,268
		396+28		418+79	LT/RT	574	--	934	--	1,772
		418+79	-	424+00	LT/RT	154	--	251	--	--
0010	MAPLE RD									
		47+25	-	50+11	LT/RT	40	73	57	--	--
0010	HONEY CREEK RD									
		602+00	-	612+04	LT/RT	158	289	225	--	--
		612+04	-	622+56	LT/RT	156	286	222	--	--
0010	SCHMIDT DWY									
		630+00	-	635+00	LT/RT	78	144	112	--	--
0010	NORTHWEST CIR									
		760+71	-	764+43	LT/RT	46	84	65	--	--
		CUL-DE-SAC			LT/RT	83	151	118	--	--
0010	CTH O									
		650+00	-	655+25	LT/RT	132	375	268	--	--
0010	CTH L									
		806+17	-	808+22	LT/RT	64	183	130	--	--
		808+22	-	810+28	LT/RT	64	183	130	--	--
					TOTALS 0010	10,270	11,800	17,000	16,690	33,910

HMA COLD WEATHER PAVING

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	450.4000 TON
0010	STH 83					
		BEGIN	-	END	LT/RT	1,100
					TOTAL 0010	1,100

ASPHALT REPAIR ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	* 455.0605 TACK COAT GAL	SPV.0195.01 ASPHALT REPAIR TON
0010	STH 83						
		66+29	-	171+90	LT/RT	135	412
		217+90	-	238+50	LT/RT	25	79
		258+00	-	292+00	LT/RT	69	222
		323+00	-	424+00	LT/RT	121	387
					TOTALS 0010	350	1,100

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

HMA PERCENT WITHIN LIMITS ITEMS

CATEGORY		STATION	TO	STATION	LOCATION	460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS EACH	460.0110.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY EACH
0010	STH 83						
		BEGIN	-	END	LT/RT	2	5
					TOTALS 0010	2	5

3

					DRIVEWAY ITEMS					
					*	*			*	
					305.0110	305.0120	416.0270	465.0120	690.0150	
					BASE AGGREGATE DENSE 3/4-INCH	BASE AGGREGATE DENSE 1 1/4-INCH	CONCRETE DRIVEWAY HES 7-INCH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	SAWING ASPHALT	
CATEGORY	ROADWAY	STATION(S)	LOCATION	TYPE	TON	TON	SY	TON	LF	REMARKS
0010	STH 83									
		66+29 - 72+36	LT/RT	VAR	--	--	--	--	93	RESURFACE SECTION
		72+36 - 117+55	LT/RT	VAR	--	--	--	--	73	RESURFACE SECTION
		117+55 - 129+87	LT/RT	VAR	--	--	--	--	20	RESURFACE SECTION
		129+87 - 171+90	LT/RT	VAR	--	--	--	--	235	RESURFACE SECTION
		163+69	RT	PE	20	--	--	20	--	WDNR
		184+89	RT	FE	20	--	--	--	--	
		190+67	LT	PE	20	--	--	--	--	
		203+93	LT	PE	30	--	40	30	15	
		207+27	RT	FE	40	--	--	--	--	
		208+67	LT/RT	FE	--	520	--	--	--	
		212+72	LT	FE	40	--	--	--	--	
		217+90 - 222+10	LT/RT	VAR	--	--	--	--	26	RESURFACE SECTION
		222+10 - 232+39		VAR	--	--	--	--	37	
		232+39 - 238+50		VAR	--	--	--	--	29	
		239+50	LT	FE	30	--	--	--	--	
		246+97	LT	FE	20	--	--	--	--	
		255+10	RT	CE	30	--	--	30	20	
		258+00 - 292+00	LT/RT	VAR	--	--	--	--	--	RESURFACE SECTION
		297+17	LT	PE	30	--	--	15	12	
		297+35	RT	PE	20	--	--	--	--	
		298+07	RT	FE	20	--	--	--	--	
		305+90	LT	PE	20	--	--	--	--	
		307+35	LT	CE	80	--	--	70	30	
		318+21	LT	FE	20	--	--	--	--	
		321+83	LT	PE	20	--	--	--	--	
		324+00 - 342+58	LT/RT	VAR	--	--	--	--	63	RESURFACE SECTION
		344+54	RT	PE	40	--	--	--	--	
		350+82	RT	CE	80	--	--	--	--	
		351+54	LT	CE	30	--	--	--	--	
		354+12 - 424+00	LT/RT	VAR	--	--	--	--	129	RESURFACE SECTION
0010	HONEY CREEK RD									
		606+78	LT	PE	40	--	--	25	13	
0010	CTH O									
		651+83	RT	PE	20	--	40	--	--	CTH O/NORTHWEST CIR INTERSECTION
		653+53	RT	FE	50	20	40	--	--	
		654+24	LT	CE	80	--	60	60	--	
				TOTALS 0010	800	540	180	250	795	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PWL MIXTURE USE TABLE

ROADWAY	LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR	
								MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
STH 83	24' TYP MAINLINE & TURN/BYPASS LANES	66+29 - 171+90 217+90 - 238+50 258+00 - 292+00 323+00 - 424+00	UPPER LAYER	MILLED SURFACE	4 MT 58-28 S	8,000	2"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY PWL HMA PAVEMENT SPV.0055.01
STH 83	3' SHLD	66+29 - 171+90 217+90 - 238+50 258+00 - 292+00 323+00 - 424+00	UPPER LAYER	MILLED SURFACE	4 MT 58-28 S	2,000	2"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY HMA PAVEMENT 460.2000
STH 83	24' TYP MAINLINE	171+90 - 217+90 238+50 - 258+00 292+00 - 323+00	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	6,020	2"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY PWL HMA PAVEMENT SPV.0055.01
STH 83	24' TYP MAINLINE	171+90 - 217+90 238+50 - 258+00 292+00 - 323+00	LOWER LAYER	BASE AGGREGATE	3 MT 58-28 S	6,475	4"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY PWL HMA PAVEMENT SPV.0055.01
STH 83	5' SHLD	171+90 - 217+90 238+50 - 258+00 292+00 - 323+00	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	1,720	2"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY HMA PAVEMENT 460.2000
STH 83	5' SHLD	171+90 - 217+90 238+50 - 258+00 292+00 - 323+00	LOWER LAYER	BASE AGGREGATE	3 MT 58-28 S	1,850	4"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY HMA PAVEMENT 460.2000
STH 83	TURN/BYPASS LANES	171+90 - 217+90 238+50 - 258+00 292+00 - 323+00	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	925	2"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	ACCEPTANCE TESTING BY THE DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE
STH 83	TURN/BYPASS LANES	171+90 - 217+90 238+50 - 258+00 292+00 - 323+00	LOWER LAYER	BASE AGGREGATE	3 MT 58-28 S	925	4"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	ACCEPTANCE TESTING BY THE DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE
MAPLE RD	MAINLINE AND SHLD	47+25 - 50+11	UPPER AND LOWER LAYER	3 MT 58-28 S BASE AGGREGATE	4 MT 58-28 S 3 MT 58-28 S	57 73	1 3/4" 2 1/4"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY HMA PAVEMENT 460.2000
HONEY CREEK RD	MAINLINE AND SHLD	602+00 - 622+56	UPPER AND LOWER LAYER	3 MT 58-28 S BASE AGGREGATE	4 MT 58-28 S 3 MT 58-28 S	447 575	1 3/4" 2 1/4"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY HMA PAVEMENT 460.2000
SCHMIDT DWY	MAINLINE AND SHLD	630+00 - 635+00	UPPER AND LOWER LAYER	3 MT 58-28 S BASE AGGREGATE	4 MT 58-28 S 3 MT 58-28 S	112 144	1 3/4" 2 1/4"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY HMA PAVEMENT 460.2000
CTH O	MAINLINE AND SHLD		UPPER AND LOWER LAYER	3 MT 58-28 S BASE AGGREGATE	4 MT 58-28 S 3 MT 58-28 S	268 365	2" 4"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY HMA PAVEMENT 460.2000
NORTHWEST CIR	MAINLINE AND SHLD		UPPER AND LOWER LAYER	3 MT 58-28 S BASE AGGREGATE	4 MT 58-28 S 3 MT 58-28 S	183 235	1 3/4" 2 1/4"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY HMA PAVEMENT 460.2000
CTH L	MAINLINE AND SHLD		UPPER AND LOWER LAYER	3 MT 58-28 S BASE AGGREGATE	4 MT 58-28 S 3 MT 58-28 S	261 365	2" 4"	INCENTIVE AIR VOIDS HMA PAVEMENT SPV.0055.02	INCENTIVE DENSITY HMA PAVEMENT 460.2000

CULVERT REPAIR AND MAINTENANCE ITEMS

CATEGORY	ROADWAY	STATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	520.8700 CLEANING CULVERT PIPES EACH	REMARKS
0010	STH 83				
		228+05	--	1	
		263+49	1	--	RT SECTION
		326+15	1	--	LT SECTION
		UNDISTRIBUTED	--	4	
		TOTALS 0010	2	5	

CULVERT PIPE SALVAGED ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	524.0115 CULVERT PIPE SALVAGED 15-INCH LF	524.0124 CULVERT PIPE SALVAGED 24-INCH LF	REMARKS
0010	STH 83							
		124+53	-	124+84	RT	31	--	DRIVEWAY
		190+57	-	190+89	LT	--	32	DRIVEWAY
					TOTALS 0010	31	32	

3

CROSS CULVERT ITEMS

CATEGORY	ROADWAY	INLET END INV. ELEV.	INLET END STATION	INLET END OFFSET	DISCHARGE END INV. ELEV.	DISCHARGE END STATION	DISCHARGE END OFFSET	SLOPE	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	522.0418 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.2329 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF	522.2414 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 14X23-INCH LF	522.2419 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH LF	522.2424 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	521.3172 CULVERT PIPE CORRUGATED STEEL 72-INCH LF	SPV.0060.04 CULVERT PIPE CORRUGATED STEEL 72-INCH 17° ELBOW EACH
0010	STH 83																	
		815.96	76+15.81	21.04 L	814.50	76+13.81	34.56R	2.62%	--	56	--	--	--	--	--	--	--	--
		824.93	103+66.04	21.81R	824.83	103+65.94	20.07L	0.24%	--	--	--	--	--	--	42	--	--	--
		814.27	141+19.20	21.24L	813.74	141+19.40	27.09R	1.10%	--	49	--	--	--	--	--	--	--	--
		816.00	174+87.75	29.90L	815.86	174+88+83	25.40R	0.25%	--	--	--	--	--	--	56	--	--	--
		811.41	188+06.42	39.35L	811.00	188+14.78	39.74R	0.52%	--	80	--	--	--	--	--	--	--	--
		814.81	199+48.28	33.39R	814.62	199+44.46	40.92L	0.26%	--	--	--	74	--	--	--	--	--	--
		809.80	205+38.03	40.87L	809.41	205+39.09	31.11R	0.55%	--	72	--	--	--	--	--	--	--	--
		785.26	238+56.83	23.25L	785.00	238+55.50	24.25R	0.56%	--	--	--	--	--	--	--	48	--	--
		784.84	249+02.17	34.76L	784.84	248+83.36	26.98L	0.04%	--	--	--	--	--	--	--	--	20	--
		784.84	248+83.36	26.98L	784.83	248+69.30	19.01L	0.04%	--	--	--	--	--	--	--	--	--	1
		793.00	250+89.25	36.67R	791.00	250+90.18	35.06L	2.79%	--	--	--	--	--	--	72	--	--	--
		828.00	308+61.36	25.04L	826.83	308+46.71	24.72R	2.26%	--	--	--	--	--	--	52	--	--	--
		836.00	318+42.72	26.82L	834.08	318+42.73	27.94R	3.51%	--	--	--	55	--	--	--	--	--	--
		829.80	347+74.65	38.94R	829.37	347+74.22	48.19L	0.50%	--	--	--	87	--	--	--	--	--	--
		827.80	349+30.31	38.14R	827.00	349+27.96	40.86L	1.01%	--	--	--	--	79	--	--	--	--	--
0010	MAPLE RD																	
		813.85	49+49.32	30.95R	813.40	49+55.48	29.56L	0.74%	--	--	--	--	--	--	62	--	--	--
0010	HONEY CREEK RD																	
		817.35	621+38.02	14.15R	817.25	621+38.78	17.90L	0.31%	--	--	32	--	--	--	--	--	--	--
		807.50	611+20.68	16.40R	807.30	611+20.70	21.46L	0.53%	--	--	--	--	--	38	--	--	--	--
0010	SCHMIDT DWY																	
		808.00	651+29.51	23.31R	807.75	651+29.99	24.78L	0.52%	48	--	--	--	--	--	--	--	--	--
							TOTALS 0010		48	256	32	216	79	38	283	48	20	1

CROSS CULVERT ENDWALL ITEMS

CATEGORY	ROADWAY	INLET END INV. ELEV.	INLET END STATION	INLET END OFFSET	DISCHARGE END INV. ELEV.	DISCHARGE END STATION	DISCHARGE END OFFSET	SLOPE	522.1018 * APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 * APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.2614 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 14X23-INCH EACH	522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH EACH	522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH EACH	521.1072 ARPON ENDWALLS FOR CULVERT PIPE STEEL 72-INCH EACH	CONNECTOR EA	633.5200 MARKERS CULVERT END EACH
0010	STH 83																
		815.96	76+15.81	21.04 L	814.50	76+13.81	34.56R	2.62%	--	2	--	--	--	--	--	--	2
		824.93	103+66.04	21.81R	824.83	103+65.94	20.07L	0.24%	--	--	--	2	--	--	--	--	2
		814.27	141+19.20	21.24L	813.74	141+19.40	27.09R	1.10%	--	2	--	--	--	--	--	--	2
		816.00	174+87.75	29.90L	815.86	174+88+83	25.40R	0.25%	--	--	--	2	--	--	--	--	2
		811.41	188+06.42	39.35L	811.00	188+14.78	39.74R	0.52%	--	2	--	--	--	--	--	--	2
		814.81	199+48.28	33.39R	814.62	199+44.46	40.92L	0.26%	--	2	--	--	--	--	--	--	2
		809.80	205+38.03	40.87L	809.41	205+39.09	31.11R	0.55%	--	2	--	--	--	--	--	--	2
		785.26	238+56.83	23.25L	785.00	238+55.50	24.25R	0.56%	--	--	--	--	2	--	--	--	2
		784.84	249+02.17	34.76L	784.84	248+83.36	26.98L	0.04%	--	--	--	--	--	--	1	1	2
		784.84	248+83.36	26.98L	784.83	248+69.30	19.01L	0.04%	--	--	--	--	--	--	--	2	--
		793.00	250+89.25	36.67R	791.00	250+90.18	35.06L	2.79%	--	--	--	2	--	--	--	--	2
		--	--	--	795.49	258+64.71	39.57L	--	--	1	--	--	--	--	--	--	2
		--	289+12.76	--	--	--	--	--	--	--	--	--	--	--	--	--	2
		828.00	308+61.36	25.04L	826.83	308+46.71	24.72R	2.26%	--	--	--	2	--	--	--	--	2
		836.00	318+42.72	26.82L	834.08	318+42.73	27.94R	3.51%	--	2	--	--	--	--	--	--	2
		829.8	347+74.65	38.94R	829.37	347+74.22	48.19L	0.50%	--	2	--	--	--	--	--	--	2
		827.8	349+30.31	38.14R	827.00	349+27.96	40.86L	1.01%	--	--	--	--	--	2	--	--	2
0010	MAPLE RD																
		813.85	49+49.32	30.95R	813.40	49+55.48	29.56L	0.74%	--	--	--	2	--	--	--	--	2
0010	HONEY CREEK RD																
		817.35	621+38.02	14.15R	817.25	621+38.78	17.90L	0.31%	2	--	--	--	--	--	--	--	2
		807.50	611+20.68	16.40R	807.30	611+20.70	21.46L	0.53%	--	--	2	--	--	--	--	--	2
0010	SCHMIDT DWY																
		808.00	651+29.51	23.31R	807.75	651+29.99	24.78L	0.52%	2	--	--	--	--	--	--	--	2
							TOTALS 0010		4	15	2	10	2	2	1	3	40

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

DRIVEWAY CULVERT ITEMS

CATEGORY	ROADWAY	INLET END INV. ELEV.	INLET END STATION	INLET END OFFSET	DISCHARGE END INV. ELEV.	DISCHARGE END STATION	DISCHARGE END OFFSET	SLOPE	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.3121 CULVERT PIPE CORRUGATED STEEL 21-INCH LF	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	521.1021 APRON ENDWALLS FOR CULVERT PIPE STEEL 21-INCH EACH
0010	STH 83											
		815.03	184+75.45	43.53R	814.82	185+06.19	43.10R	0.67%	31	--	2	--
		814.70	208+86.66	34.33L	813.84	208+43.00	34.64L	1.97%	44	--	2	--
		822.07	212+98.74	33.72L	821.84	212+46.12	33.84L	0.44%	53	--	2	--
		845.22	321+98.04	32.40L	844.74	321+61.72	31.98L	1.32%	--	36	--	2
		835.00	344+41.08	38.08R	834.60	344+70.02	38.33R	1.38%	29	--	2	--
0010	HONEY CREEK RD											
		817.05	620+35.41	23.33R	816.78	619+94.80	23.09R	0.66%	41	--	2	--
		817.04	620+39.49	25.35L	816.25	619+90.52	25.35L	1.62%	49	--	2	--
							TOTALS 0010		246	36	12	2

STORM SEWER STRUCTURE ITEMS

CATEGORY	ROADWAY	STRUCTURE	STATION	OFFSET +		LOCATION	522.1012 * APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1024 * APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.1003 CATCH BASINS 3-FT DIAMETER EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	RIM ++ ELEVATION	INVERT +++ ELEVATION	DEPTH ++++ FT
0010	STH 83															
		CB-71	70+99.09	23.33	LT	83	--	--	--	1	--	--	1	815.47	810.21	4.8
		AE-71	71-01.64	42.26	RT	83	--	1	--	--	--	--	--	--	809.88	--
		CB-73	73+64.60	25.07	LT	83	--	--	--	1	--	--	1	818.31	813.15	4.7
		AE-73	73+64.60	32.46	RT	83	--	1	--	--	--	--	--	--	812.86	--
		CB-204	203+74.09	19.00	LT	83	--	--	--	1	--	1	--	818.47	813.49	4.5
		AE-204	203+74.09	29.89	RT	83	--	1	--	--	--	--	--	--	813.00	--
		CB-207A	207+75.00	33.52	LT	83	--	--	1	--	1	--	--	813.45	809.84	2.9
		CB-207B	207+13.57	17.93	LT	83	--	--	--	1	--	1	--	815.52	809.50	5.5
		AE-207	207+13.91	32.33	RT	83	--	1	--	--	--	--	--	--	809.25	--
0010	CTH O															
		CB-650A	650+44.29	47.07	LT	CTH O	--	--	1	--	1	--	--	801.13	798.07	2.3
		CB-650B	650+39.49	33.37	LT	CTH O	--	--	--	1	--	1	--	802.26	797.50	4.3
		AE-650	650+41.64	55.88	RT	CTH O	--	1	--	--	--	--	--	--	797.05	--
		CB-652	652+40.59	17.01	LT	CTH O	--	--	--	1	--	1	--	809.48	805.70	3.3
		AE-652	651+66.18	27.47	RT	CTH O	1	--	--	--	--	--	--	--	805.26	--
0010	NORTHWEST CIR															
		CB-762	762+04.58	17.80	RT	NW CIRCLE	--	--	1	--	1	--	--	799.09	796.09	2.3
		AE-762	761+85.40	15.68	LT	NW CIRCLE	1	--	--	--	--	--	--	--	796.33	--
			TOTALS 0010				2	5	3	6	3	4	2			

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMARKS

\+ STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE OR INLET OF APRON END WALLS

++ RIM ELEVATION OF TYPE H INLET COVERS IS AT FLANGE, RIM ELEVATIONS AT CENTER OF RIM FOR TYPE C

+++ FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

++++ DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT

STORM SEWER PIPE ITEMS

CATEGORY	ROADWAY	FROM	TO	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	INLET ELEVATION	DISCH ELEVATION	SLOPE FT/FT
0010	STH 83									
		CB-71	AE-71	--	--	66	--	810.21	809.88	0.50%
		CB-73	AE-73	--	--	58	--	813.15	812.86	0.50%
		CB-204	AE-204	--	--	--	49	813.49	813.00	1.00%
		CB-207A	CB-207B	--	63	--	--	809.84	809.52	0.50%
		CB-207B	AE-207	--	--	50	--	809.50	809.25	0.50%
0010	CTH O									
		CB-650A	CB-650B	15	--	--	--	798.07	798.00	0.49%
		CB-650B	AE-650	--	--	89	--	797.50	797.05	0.51%
		CB-652	AE-652	87	--	--	--	805.70	805.26	0.50%
0010	NORTHWEST CIR									
		CB-762	AE-762	39	--	--	--	796.43	796.33	0.25%
			TOTALS 0010	141	63	263	49			

3

CONCRETE ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	601.0415 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF
0010	STH 83									
			185+27		LT	--	151	--	--	--
			197+82		LT	--	155	--	--	--
		202+15	-	208+40	LT	--	627	--	--	--
			253+27		RT	--	147	--	--	--
			348+40		LT/RT	--	281	--	--	--
0010	CTH O									
		650+75	-	655+25	LT/RT	--	806	--	--	--
0010	CTH L									
		806+17	-	808+22	LT/RT	82	--	195	16	6
		808+22	-	810+28	LT/RT	82	--	195	16	6
					TOTALS 0010	164	2,167	390	44	

FENCE ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	616.0700.S FENCE SAFETY LF	REMARKS
0010	STH 83						
		110+06	-	111+18	LT	112	OAKWOOD CEMETERY
		111+35	-	113+44	LT	209	OAKWOOD CEMETERY
		189+22	-	189+34	LT	12	STONE PILLAR AT MYGATT-BUTTLES
					TOTAL 0010	333	

MAINTENANCE AND REPAIR OF HAUL ROADS (1300-09-70)

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	618.0100.01 EACH
0010	STH 83					
		BEGIN	-	END	LT/RT	1
					TOTAL 0010	1

MOBILIZATION

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	619.1000 EACH
0010	STH 83					
		BEGIN	-	END	LT/RT	0.90
					TOTAL 0010	0.90

BEAM GUARD ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	614.0305 STEEL PLATE BEAM GUARD CLASS A LF	614.0370 STEEL PLATE BEAM GUARD ENERGY ABSORBING EACH	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY	614.0400 ADJUSTING STEEL PLATE BEAM GUARD LF	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3 K LF	614.2340 MGS GUARDRAIL 3 L LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
0010	STH 83												
		124+90	-	125+40	RT	--	1	30	146	--	--	--	--
		125+32	-	126+16	LT	87.50	1	75	112	--	--	--	--
		128+39	-	128+89	RT	--	1	50	146	--	--	--	--
		128+42	-	128+92	LT	--	1	50	112	--	--	--	--
		204+79	-	208+20	LT	--	--	80	--	37.50	200.00	--	2
		246+20	-	249+59	RT	--	--	165	--	137.50	--	102.50	2
		247+18	-	252+27	LT	--	--	280	--	293.75	--	102.50	2
		299+00	-	306+69	RT	--	--	385	--	662.50	--	--	2
					TOTALS 0010	87.50	4	1,115	516	1,131.25	200.00	205.00	8

EROSION CONTROL ITEMS

CAT.	ROADWAY	STATION	TO	STATION	LOCATION	* 606.0200 RIPRAP MEDIUM CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1530.S SILT FENCE HEAVY DUTY LF	628.1535.S SILT FENCE HEAVY DUTY MAINTENANCE LF	628.2004 EROSION MAT CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	628.6505 SOIL STABILIZER TYPE A ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	* 645.012 GEOTEXTILE TYPE HR SY	SPV.0090.01 SILT FENCE DOUBLE STAKED LF
0010	STH 83																					
		66+29	-	72+36	LT/RT	7	--	--	--	--	--	--	--	--	2	--	2	--	--	--	28	--
		72+36	-	117+55	LT/RT	22	12	136	204	--	--	--	930	--	--	--	--	--	21	--	88	--
		117+55	-	129+87	LT/RT	--	72	--	--	216	324	--	459	--	--	--	--	--	--	--	--	60
		129+87	-	171+90	LT/RT	15	--	--	--	--	--	63	262	--	--	--	--	--	3	--	60	--
		171+90	-	185+27	LT/RT	7	40	984	1,476	--	--	3,398	--	--	--	--	--	70	7	20	28	205
		185+27	-	197+82	LT/RT	7	28	943	1,415	--	--	3,450	--	--	--	--	--	20	6	--	28	160
		197+82	-	217+90	LT/RT	28	48	945	1,418	180	270	4,966	--	--	3	--	3	230	10	40	112	--
		217+90	-	222+10	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--
		222+10	-	232+39	LT/RT	10	--	--	--	--	--	--	--	--	--	--	--	--	5	--	40	--
		232+39	-	238+50	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
		238+50	-	253+27	LT/RT	17	--	255	383	--	--	1,628	3,879	--	--	--	--	--	26	20	68	--
		253+27	-	258+00	LT/RT	--	--	208	312	--	--	1,388	--	--	--	--	--	65	--	--	--	1,430
		258+00	-	281+07	LT/RT	7	--	--	--	--	--	--	144	--	--	--	--	--	6	--	28	--
		281+07	-	292+00	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		292+00	-	323+00	LT/RT	14	--	3,648	5,472	--	--	2,148	2,124	--	--	--	--	--	11	100	56	--
		323+00	-	348+40	LT/RT	7	--	--	--	--	--	1,250	--	--	--	--	--	--	8	--	28	--
		348+40	-	383+60	LT/RT	14	--	198	297	--	--	947	--	--	--	3	--	--	15	--	56	--
		383+60	-	396+28	LT/RT	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--
		396+28	-	418+79	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		418+79	-	424+00	LT/RT	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--
0010	MAPLE RD																					
		47+25	-	50+11	LT/RT	8	--	--	--	--	--	--	--	--	--	--	--	--	5	--	32	--
0010	HONEY CREEK RD																					
		602+00	-	612+04	LT/RT	5	--	233	350	--	--	2,854	--	--	--	--	--	--	4	--	20	--
		612+04	-	622+56	LT/RT	5	--	296	444	--	--	2,568	--	--	--	--	--	--	6	--	20	--
0010	SCHMIDT DWY																					
		630+00	-	635+00	LT/RT	5	--	61	92	--	--	--	--	--	--	--	--	--	2	--	20	--
0010	NORTHWEST CIR																					
		760+71	-	764+43	LT/RT	3	--	--	--	--	--	--	--	--	1	--	1	--	--	--	12	--
0010	CTH O																					
		650+00	-	655+25	LT/RT	6	--	--	--	--	--	--	--	--	3	--	3	--	--	--	24	--
0010	CTH L																					
		806+17	-	808+22	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	8	--	--	--
		808+22	-	810+28	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0010	UNDISTRIBUTED					21	50	1,983	2,974	99	151	6,169	1,951	1	2	2	2	100	39	45	75	465
					TOTALS 0010	208	250	9,890	14,835	495	745	30,830	9,750	1	11	9	11	485	185	225	823	2,320

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

MOBILIZATIONS EROSION CONTROL ITEMS

CATEGORY	ROADWAY	STAGE	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	STH 83			
		1	2	1
		2	10	4
		3	2	1
		TOTALS 0010	14	6

TRACKING PADS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	628.7560 EACH	REMARKS
0010	STH 83						
		66+29	-	424+00	LT/RT	2	STAGE 1
					TOTAL 0010	2	

3

RESTORATION ITEMS

CATEGORY		STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
0010	STH 83										
		72+36	-	117+55	LT/RT	--	--	0.50	--	--	--
		117+55	-	129+87	LT/RT	--	--	0.26	--	--	--
		129+87	-	171+25	LT/RT	--	--	0.15	--	--	--
		171+90	-	185+27	LT/RT	3,619	--	1.80	163	--	81
		185+27	-	197+82	LT/RT	3,479	2,739	3.13	280	--	140
		197+82	-	217+90	LT/RT	8,246	3,220	5.16	516	--	258
		238+50	-	253+27	LT/RT	6,279	5,705	6.09	539	--	269
		253+27	-	258+00	LT/RT	1,683	4,581	3.72	282	--	141
		258+00	-	292+00	LT/RT	--	916	0.66	41	--	21
		292+00	-	323+00	LT/RT	7,753	8,600	7.93	736	--	367
		342+62	-	348+40	LT/RT	950	452	0.85	63	--	31
		348+40	-	354+00	LT/RT	1,162	758	0.91	86	--	43
0010	MAPLE RD										
		47+25	-	50+11		509	110	0.30	28	--	14
0010	HONEY CREEK RD										
		602+00	-	612+04		3,986	1,354	2.49	240	--	120
		612+04	-	622+56		3,444	914	2.13	196	--	98
0010	SCHMIDT DWY										
		630+00	-	635+00		1,595	1,263	0.97	129	--	64
0010	NORTHWEST CIR										
		760+71	-	764+43		687	35	0.28	32	--	16
0010	CTH O										
		650+00	-	655+25		1,535	862	0.82	108	--	54
0010	CTH L										
		806+17	-	808+22		709	708	0.45	64	--	32
		808+22	-	810+28		418	--	0.21	19	--	9
0010	UNDISTRIBUTED					4,646	3,284	4.10	378	1,000	177
					TOTALS 0010	50,700	35,500	42.00	3,900	1,000	1,935

TYPE II PERMANENT SIGNING 1300-09-70

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	W5-52R								1		1	1		4 FOOT MOUNTING HEIGHT
2	W5-52L								1		1	1		4 FOOT MOUNTING HEIGHT
3	W1-7(2S)		48	X	24		8.000					1		
4	W1-6(2S)		48	X	24		8.000					1		PUT SIGN IN LINE WITH TANGENT AS DRIVER APPROACHES CURVE
5	W1-6(2S)		48	X	24		8.000					1		PUT SIGN IN LINE WITH TANGENT AS DRIVER APPROACHES CURVE
6	W5-52R								1		1	1		4 FOOT MOUNTING HEIGHT
7	W5-52L								1		1	1		4 FOOT MOUNTING HEIGHT
8	W1-6(2S)		48	X	24		8.000					1		PUT SIGN IN LINE WITH TANGENT AS DRIVER APPROACHES CURVE
9	W1-6(2S)		48	X	24		8.000					1		PUT SIGN IN LINE WITH TANGENT AS DRIVER APPROACHES CURVE
10	MR1-99 MN6-1								1		1	1		
11	W1-7(2S)		48	X	24		8.000			1	1	1		
12	W2-2(2S)		30	X	30		6.250			1	1	1		
13	W1-2L(2S)		30	X	30		6.250			1	1	1		
14	M51-99 MN2-1 MN6-1								1		1	1		
15	R1-1(2S)		30	X	30	6.250				1	1	1		
16	R1-1(2S)		30	X	30	6.250				1	1	1		
17	W1-8								1		1	1		4 FOOT MOUNTING HEIGHT
18	W1-8								1				17	4 FOOT MOUNTING HEIGHT
19	W1-8								1		1	1		4 FOOT MOUNTING HEIGHT
20	W1-8								1				19	4 FOOT MOUNTING HEIGHT
21	W1-8								1		1	1		4 FOOT MOUNTING HEIGHT
22	W1-8								1				21	4 FOOT MOUNTING HEIGHT
23	W1-8								1		1	1		4 FOOT MOUNTING HEIGHT
24	W1-8								1				23	4 FOOT MOUNTING HEIGHT
25	MR1-99								1		1	1		
26	R12-53	CLASS B HIGHWAY							1		1	1		
27	J13-1(2S)		24	X	45	7.500						1		
28	M1-6 M6-4 MR1-99 MN4-6	STH 83	24 21	X	24 21				1		1	1		
29	J4-1(2S)		24	X	36	6.000				1	1	1		
30	M3-3 M1-6 R1-1(2S)	STH 83	24 24 30	X	12 24 30	6.250						1		

SHEET: 1 OF 4

TYPE II PERMANENT SIGNING 1300-09-70

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
31	W1-7(2S)		48	X	24		8.000					1		
32	W5-52R(2S)		12	X	36		3.000			1	1	1		4 FOOT MOUNTING HEIGHT
33	W5-52L(2S)		12	X	36		3.000			1	1	1		4 FOOT MOUNTING HEIGHT
34	W5-52L(2S)		12	X	36		3.000			1	1	1		4 FOOT MOUNTING HEIGHT
35	NOT USED													
36	NOT USED													
37	W5-52R(2S)		12	X	36	3.000				1	1	1		4 FOOT MOUNTING HEIGHT
38	W1-2R(2S)		30	X	30		6.250					1		
39	NOT USED													
40	W1-6(2S)		48	X	24		8.000					1		IN LINE WITH TANGENT
41	NOT USED													
42	W14-2(2S) MODIFIED	MODIFIED - NO ACCESS	30	X	30	6.250						1		
43	W3-1(2S)		36	X	36		9.000					1		16 X 16 TEMPORARY FLAGS INCIDENTAL
44	NOT USED													
45	W1-2L(2S)		30	X	30		6.250					1		
46	NOT USED													
47	NOT USED													
48	W1-6(2S)		48	X	24		8.000					1		IN LINE WITH TANGENT
49	W2-2(2S)		30	X	30		6.250					1		
50	W1-6(2S)		48	X	24		8.000					1		IN LINE WITH TANGENT
51	W1-6(2S)		48	X	24		8.000						50	
52	W1-7(2S)		48	X	24		8.000					1		
53	W14-1(2S)		30	X	30		6.250					1		
54	W1-2L(2S)		30	X	30		6.250					1		
55	W14-3(2S)		48	X	36		5.560			1	1	1		
56	W1-7(2S)		48	X	24		8.000					1		
57	W14-1(2S)		30	X	30		6.250					1		
58	NONE	COUNTRY VIEW - PRIVATE SIGN ENCROACHMENT								1	2			
59	W5-56(2S)		18	X	18	2.250						1		4 FOOT MOUNTING HEIGHT
60	W5-56(2S)		18	X	18	2.250						1		4 FOOT MOUNTING HEIGHT

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TYPE II PERMANENT SIGNING 1300-09-70

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
61	W5-56(2S)		18	X	18	2.250						1		4 FOOT MOUNTING HEIGHT
62	J3-1(2S)		24	X	45	7.500						1		
	M1-5A	CTH O	24	X	24									
	M6-1		21	X	21									
63	R1-1									1	1			
64	J13-1									1	1			
65	W1-6(2S)		48	X	24		8.000					1		IN LINE WITH TANGENT
66	R1-1									1	1			
67	W1-6(2S)		48	X	24		8.000			1	1	1		IN LINE WITH TANGENT
68	NONE	CHURCH SIGN								1				ON UTILITY POLE - NOT APPROVED SIGN
69	J1-1(2S)		24	X	36	6.000						1		
	M1-6	STH 83	24	X	24									
	M2-1		24	X	12									
70	W3-1(2S)		36	X	36		9.000					1		
71	I55-56	ADOPT A HIGHWAY							1		1	1		
72	R1-1(2S)		30	X	30	6.250						1		16 X 16 TEMP FLAGS INCIDENTAL
73	R1-1(2S)		30	X	30	6.250						1		16 X 16 TEMP FLAGS INCIDENTAL
74	J3-1(2S)		24	X	45	7.500						1		
	M1-5A	CTH O	24	X	24									
	M6-1		21	X	21									
75	W1-7(2S)		48	X	24		8.000					1		
76	W5-52R(2S)		12	X	36		3.000			1	1	1		4 FOOT MOUNTING HEIGHT
77	W1-6									1	1			
78	W5-52L(2S)		12	X	36		3.000			1	1	1		4 FOOT MOUNTING HEIGHT
79	W5-52R(2S)		12	X	36		3.000			1	1	1		4 FOOT MOUNTING HEIGHT
80	W1-7(2S)		48	X	24		8.000					1		
81	W1-6(2S)		48	X	24		8.000					1		IN LINE WITH TANGENT
82	W8-6(2S)		36	X	36		9.000			1	1	1		
83	W1-6(2S0		48	X	24		8.000					1	81	
84	W1-6(2S)		48	X	24		8.000					1		IN LINE WITH TANGENT
85	W1-2R(2S)		30	X	30		6.250			1	1	1		
86	W8-6(2S)		36	X	36		9.000			1	1	1		
87	W1-6(2S)		48	X	24		8.000					1		IN LINE WITH TANGENT
88	J13-1								1		1	1		
89	W12-1								1		1	1		4 FOOT MOUNTING HEIGHT
90	R1-1								1		1	1		BLINKER STOP SIGN

TYPE II PERMANENT SIGNING 1300-09-70

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
91	W4-4C								1				90	
92	J3-2								1		1	1		
93	R5-1								1		1	1		DO NOT MOUNT ON BACK OF OTHER SIGNS
94	I55-56	ADOPT A HIGHWAY							1		1	1		
95	J4-1								1		1	1		
96	J2-1								1		1	1		
97	J4-1								1		1	1		
98	R1-1								1		1	1		BLINKER STOP SIGN
99	W4-4C								1				98	
100	J13-1								1		1	1		
101	R1-1								1		1	1		
102	R5-1								1		1	1		DO NOT MOUNT ON BACK OF OTHER SIGNS
103	R1-1								1		1	1		
104	W12-1								1		1	1		4 FOOT MOUNTING HEIGHT
105	J3-1								1		1	1		
106	J3-2								1		1	1		
107	W1-2L(2S)		30	X	30		6.250					1		
108	W1-6(2S)		48	X	24		8.000					1		IN LINE WITH TANGENT
109-117	NOT USED													
118	NONE	HERITAGE FLOWER FARM							1		2	2		TODS SIGN. SHEET 20
119	W8-75(2S)		66	X	36		16.500					2		SEE ELECTRICAL PLAN FOR BEACONS - SHEET 20 OF SIGNING PLAN
120	W8-75(2S)		66	X	36		16.500					2		SEE ELECTRICAL PLAN FOR BEACONS - SHEET 19 OF SIGNING PLAN
121	J1-1								1		1	1		SHEET 19
122	W14-3(2S)		48	X	36		5.560					1		SHEET 12
123	R1-1(2S)		30	X	30	5.160						1		SHEET 12
124	W11-8									1	1			SHEET 13
125	R1-1								1		1	1		SHEET 20A
126	R2-1(2S)	SPEED LIMIT 40	24	X	30	5.000						1		SHEET 1
127	W3-5									1	1			SHEET 1
128	R2-1(3)	SPEED LIMIT 40	36	X	48	12.000						1		SHEET 2 , 16 X 16 TEMP FLAGS INCIDENTAL
129	R2-1(3)	SPEED LIMIT 40	36	X	48	12.000						1		SHEET 2, 16 X 16 TEMP FLAGS INCIDENTAL
130	W3-5(2S)	40 MPH	36	X	36		9.000					1		SHEET 2 , 16 X 16 TEMP FLAGS INCIDENTAL
131	W3-5(2S)	40 MPH	36	X	36		9.000					1		SHEET 2, 16 X 16 TEMP FLAGS INCIDENTAL
132	R2-1(2S)	55 MPH	24	X	30	5.000							129	SHEET 2
133	R2-1									1	1			SHEET 1
134	R2-1(2S)	SPEED LIMIT 40	24	X	30	5.000						1		SHEET 1
		UNDISTRIBUTED						2.000	5	5	5	5		
		TOTALS				125.910	354.620	2.000	45	32	67	109		

SHEET: 4 OF 4

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	DURATION (DAYS)	ROADWAY	STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH**	* 643.0900 TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	REMARKS
0010	1	36	STH 83																	
				240+00	-	265+00	LT/RT	20	720	--	--	--	--	--	--	6	216	--	--	OFF-ALIGNMENT WORK
			HONEY CREEK RD																	
				602+00	-	STH 83	LT/RT	20	720	--	--	--	--	--	--	6	216	--	--	OFF-ALIGNMENT WORK
							SUBTOTALS STAGE 1		1,440		0		0				432		0	
0010	2	137	STH 83																	
				66+29		171+90	LT/RT	84	420	48	5,784	96	11,568	30	150	124	10,652	3	21	
				171+90		217+90	LT/RT	--	--	18	3,014	36	6,028	--	--	36	6,576	--	--	
				217+90		238+50	LT/RT	--	--	12	2,192	24	4,384	--	--	24	3,562	--	--	
				238+50		258+00	LT/RT	28	140	14	2,202	28	4,404	10	50	40	4,464	--	--	
				258+00		292+00	LT/RT	--	--	6	822	12	1,644	--	--	12	1,918	--	--	
				292+00		323+00	LT/RT	--	--	--	548	--	1,096	--	--	--	822	--	--	
				323+00		348+50	LT/RT	--	--	6	822	12	1,644	--	--	12	2,192	--	--	
				348+50		424+00	LT/RT	--	--	42	6,302	84	12,604	--	--	80	11,782	3	21	
							SUBTOTALS STAGE 2		560		21,686		43,372		200		41,968		42	
0010	3	60	STH 83																	
				66+29		171+90	LT/RT	--	--	42	2,520	84	5,040	--	--	76	4,560	--	--	
				171+90		217+90	LT/RT	--	--	18	1,320	36	2,640	--	--	36	2,280	--	--	
				217+90		238+50	LT/RT	--	--	12	960	24	1,920	--	--	24	1,560	--	--	
				238+50		258+00	LT/RT	--	--	12	960	24	1,920	--	--	24	1,560	--	--	
				258+00		292+00	LT/RT	--	--	6	360	12	720	--	--	12	840	--	--	
				292+00		323+00	LT/RT	--	--	--	240	--	480	--	--	--	120	--	--	
				323+00		348+50	LT/RT	--	--	6	360	12	720	--	--	12	720	--	--	
				348+50		424+00	LT/RT	--	--	42	2,760	84	5,520	--	--	80	4,920	--	--	
							SUBTOTALS STAGE 3		--		9,480		18,960		--		16,560		--	
0010	--	--	UNDISTRIBUTED						400		4,734		9,468		30		8,940		58	
							TOTALS 0010		2,400		35,900		71,800		230		67,900		100	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
** FOR INFORMATIONAL PURPOSES ONLY

DETOUR ITEMS

CATEGORY	DETOUR DURATION DAYS	LOCATION	* 643.0900 TRAFFIC CONTROL SIGNS EACH**	* 643.0900 TRAFFIC CONTROL SIGNS DAY	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I EACH	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I NUMBER OF CYCLES**	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I NUMBER OF SIGNS**	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NUMBER OF CYCLES**	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NUMBER OF SIGNS**	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF
0010	200	STH 83 & IH 43	102	20,400	--	--	--	2	1	2	97.5
		IH 43	16	3,200	2	1	2	--	1	--	--
		IH 43 & STH 20	40	8,000	--	--	--	--	1	--	--
		STH 20	32	6,400	--	--	--	--	1	--	19.5
		STH 83 & STH 20	37	7,400	--	--	--	6	1	6	--
		TOTALS 0010		45,400	2			8			117.0

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
** FOR INFORMATIONAL PURPOSES ONLY

TRAFFIC CONTROL

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	643.5000 EACH
0010	STH 83					
		BEGIN	-	END	LT/RT	0.90
					TOTAL 0010	0.90

PAVEMENT MARKING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH DOUBLE YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH DASHED YELLOW 12.5'LINE 37.5'SKIP LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH DASHED WHITE 3 LINE 9'SKIP LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH DASHED WHITE 12.5'LINE 37.5'SKIP LF	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH WHITE LF	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH DASHED WHITE 3'LINE 9'SKIP LF	646.5020 MARKING ARROW EPOXY TYPE 2 EACH	646.5120 MARKING WORD EPOXY ONLY EACH	646.5520 MARKING OUTFALL EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	648.0100 LOCATING NO-PASSING ZONES MI
0010	STH 83																						
		66+29	-	72+36	LT/RT	--	1,495	--	1,125	--	25	--	--	--	--	--	--	2,645	--	35	--	--	0.11
		72+36	-	117+55	LT/RT	2,005	5,025	505	8,920	--	80	--	--	--	--	6	80	16,535	--	--	--	--	0.86
		117+55	-	129+87	LT/RT	165	2,135	45	2,350	--	25	--	--	--	--	--	35	4,720	--	--	--	--	0.23
		129+87	-	171+90	LT/RT	2,275	2,510	740	8,835	--	--	--	--	--	--	2	--	14,360	--	--	--	--	0.80
		171+90	-	185+27	LT/RT	--	2,675	--	2,615	--	40	--	--	--	--	2	40	5,330	--	--	--	--	0.25
		185+27	-	197+82	LT/RT	--	2,510	--	2,385	--	65	200	--	2	1	2	40	4,960	200	--	--	--	0.24
		197+82	-	217+90	LT/RT	--	4,020	--	3,945	--	5	200	--	2	1	3	--	7,970	200	--	--	--	0.38
		217+90	-	222+10	LT/RT	185	470	45	810	--	--	--	--	--	--	--	25	1,510	--	--	--	--	0.08
		222+10	-	232+39	LT/RT	965	--	260	1,950	--	--	200	--	2	1	2	--	3,175	200	--	--	--	0.19
		232+39	-	238+50	LT/RT	--	--	155	1,160	--	--	--	--	--	--	--	50	1,315	--	--	--	--	0.12
		238+50	-	253+27	LT/RT	755	1,325	210	2,890	20	25	355	40	2	1	4	--	5,225	395	--	--	--	0.28
		253+27	-	258+00	LT/RT	330	290	85	880	40	40	--	--	--	--	--	40	1,665	--	--	--	--	0.09
		258+00	-	281+07	LT/RT	1,615	70	570	4,575	--	--	--	--	--	--	4	25	6,830	--	--	--	--	0.44
		281+07	-	292+00	LT/RT	--	2,190	--	2,130	--	--	--	--	--	--	--	--	4,320	--	--	--	--	0.21
		292+00	-	323+00	LT/RT	--	6,200	--	6,200	--	--	--	--	--	--	4	--	12,400	--	--	--	--	0.59
		323+00	-	348+40	LT/RT	330	70	630	4,925	--	--	--	--	--	--	2	--	5,955	--	--	--	--	0.48
		348+40	-	383+60	LT/RT	1,085	12,210	820	13,660	--	--	1,310	--	8	3	4	130	27,775	1,310	--	--	--	0.67
		383+60	-	396+28	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.24
		396+28	-	418+79	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.43
		418+79	-	424+00	LT/RT	--	--	--	960	--	135	305	185	--	--	--	--	1,095	490	--	10	1	0.10
	MAPLE DR																						
		47+25	-	50+11	LT/RT	--	260	--	410	--	--	--	--	--	--	--	37	670	--	--	--	--	--
	HONEY CREEK RD																						
		602+00	-	612+04	LT/RT	--	1,005	--	--	--	--	--	--	--	--	2	--			--	--	--	--
		612+04	-	622+56	LT/RT	--	1,025	--	--	--	--	--	--	--	--	2	31	1,025	--	--	--	--	--
	LOLAND DR																						
		549+50	-	550+09	LT/RT	--	25	--	--	--	--	--	--	--	--	--	34	25	--	--	--	--	--
	CTH O																			--	--	--	--
		650+00	-	655+25	LT/RT	--	500	--	100	--	--	--	--	--	--	--	38	600	--	--	--	--	--
	CTH L																						
		806+17	-	808+22	LT/RT	--	180	--	280	--	--	--	--	--	--	--	36	460	--	--	85	--	--
		808+22	-	810+28	LT/RT	--	180	--	280	--	--	--	--	--	--	--	36	460	--	--	85	--	--
					TOTALS 0010		60,145		71,885			2,795		16	7	39	677	131,025	2,795	35	180	1	6.77

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TEMPORARY PAVEMENT MARKING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH LF	643.3770 TEMPORARY MARKING RAISED PAVEMENT MARKER TYPE II EACH	643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	646.4505 MARKING LINE SAME DAY PAINT 4-INCH LF	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	REMARKS
0010	STH 83										
		66+29	-	171+90	LT/RT	1,800	--	90	--	600	STAGE 2 - ONE LANE ROAD STOP CONDITION
		238+50	-	258+00	LT/RT	600	--	30	--	200	STAGE 2 - ONE LANE ROAD STOP CONDITION
		66+29	-	424+00	LT/RT	--	--	--	71,600	--	STAGE 2
		66+29	-	424+00	LT/RT	--	750	--	--	--	STAGE 3
					TOTALS 0010	2,400	750	120	71,600	800	

GEOTEXTILE TYPE FS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	645.0115 SY
0010	STH 83					
		241+00	-	246+70	RT	4,940
		242+00	-	243+00	LT	752
		246+00	-	247+18	LT	1,148
					TOTAL 0010	6,840

CONSTRUCTION STAKING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1300-09-70) EACH
0010	STH 83	66+29	-	424+00	LT/RT	9	10,807	10,807	1,361	18	26,121	1
0010	MAPLE RD	47+25	-	50+11	LT/RT	--	286	286	--	1	--	--
0010	HONEY CREEK RD	602+00	-	622+57	LT/RT	--	2,057	2,057	--	2	--	--
0010	SCHMIDT DWY	630+00	-	635+00	LT/RT	--	500	500	--	1	--	--
0010	CTH O	655+00	-	655+25	LT/RT	5	525	525	806	--	--	--
0010	NORTHWEST CIR	759+00	-	764+59	LT/RT	2	559	559	--	--	--	--
0010	CTH L	806+16	-	810+28	LT/RT	--	412	412	164	--	--	--
					TOTALS 0010	16	15,146	15,146	2,331	22	26,121	1

FILE NAME : X:\BM1-3124_STH 83\05_Design\03_Roads\13000901\SheetsPlan\030201-mq.pptx PLOT DATE : October 20, 2022 PLOT BY : BLOOM COMPANIES PLOT NAME : PLOT SCALE : 1:1

SAWING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	* 690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	STH 83							
			71+00		LT/RT	--	100	SS PIPE
			73+35		LT/RT	--	100	SS PIPE
			76+15		LT/RT	--	60	CULVERT
			103+66		LT/RT		60	CULVERT
			141+19		LT/RT	--	60	CULVERT
			171+90		LT/RT	--	30	BEGIN RECONSTRUCTION LIMIT
			205+38		LT	22	--	CULVERT
			217+90		LT/RT	--	30	END RECONSTRUCTION LIMIT
			238+50		LT/RT	--	30	BEGIN RECONSTRUCTION LIMIT
			258+00		LT/RT	--	30	END RECONSTRUCTION LIMIT
			292+00		LT/RT	--	30	BEGIN RECONSTRUCTION LIMIT
			323+00		LT/RT	--	30	END RECONSTRUCTION LIMIT
		342+58	-	350+18	RT	--	840	CTH L RT TURN LANE
		346+69	-	354+09	LT	--	840	CTH L LT TURN LANE
0010	MAPLE RD							
			47+25		LT/RT	22	--	BEGIN CONSTRUCTION
0010	HONEY CREEK RD							
			602+00		LT/RT	20	--	BEGIN CONSTRUCTION
0010	SCHMIDT DWY							
			635+00		LT/RT	20	--	END CONSTRUCTION
0010	CTH O							
		652+18	-	652+74	LT	50	--	TICHIGAN FIRE STATION
			655+25		LT/RT	28	--	END CONSTRUCTION
0010	NORTHWEST CIR							
			756+98		LT/RT	18	--	BEGIN CONSTRUCTION
			758+30		LT	35	--	END CONSTRUCTION/CUL-DE-SAC
0010	CTH L							
			806+17		LT/RT	30	--	BEGIN CONSTRUCTION
			810+28		LT/RT	30	--	END CONSTRUCTION
					TOTALS 0010	275	2,240	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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FIELD OFFICE TYPE D

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	642.5401 EACH
0010	STH 83					
		BEGIN	-	END	LT/RT	1
					TOTAL 0010	1

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STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
1	CELLULAR MODEM
4	RADAR DETECTOR

STATE FURNISHED FOR INFORMATION ONLY

SIGNAL BASE NO.	RADAR DETECTOR EACH
SB1	2
SB2	1
SB3	1
TOTAL	4

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	652.0605 CONDUIT SPECIAL 2-INCH L.F.	652.0615 CONDUIT SPECIAL 3-INCH L.F.
PB1	SB1	--	24	--	--
PB1	PB2	223	--	--	--
PB2	PB3	216	--	--	--
PB3	PB4	218	--	--	--
PB4	PB5	--	--	219	--
PB1	PB6	--	--	--	84
PB6	SB2	11	--	--	--
PB6	PB7	--	--	--	33
PB7	PB8	--	--	--	72
PB8	SB3	17	--	--	--
PB8	PB9	285	--	--	--
PB9	PB10	264	--	--	--
PB10	PB11	265	--	--	--
PB8	PB12	--	--	--	81
PB12	SB4	15	--	--	--
PB12	PB13	--	--	--	33
PB13	PB1	--	--	--	70
	TOTAL	1514	24	219	373

PULL BOXES

PULL BOX NO.	LOCATION^	653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1	347+87.9, 39.5'RT	1
PB2	345+68.9, 30.1'RT	1
PB3	343+53.9, 26.9'RT	1
PB4	341+36.8, 23.8'RT	1
PB5	339+18.3, 23.6'RT	1
PB6	347+90.0, 43.7'LT	1
PB7	348+22.5, 42.0'LT	1
PB8	348+93.9, 37.5'LT	1
PB9	351+76.9, 32.7'LT	1
PB10	354+38.1, 21.0'LT	1
PB11	357+02.1, 21.9'LT	1
PB12	348+89.7, 42.8'RT	1
PB13	348+56.8, 42.7'RT	1
	TOTAL	13

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

CONCRETE BASES

SIGNAL BASE NO.	LOCATION^	654.0105 CONCRETE BASES TYPE 5 EACH
SB1	347+99.4, 59.2'RT	1
SB2	347+94.2, 53.5'LT	1
SB3	348+83.8, 50.4'LT	1
SB4	348+83.4, 55.3'RT	1
	TOTAL	4

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

STH 83 & CTH L
RACINE COUNTY
CATEGORY 0010
F51-1497

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	PB5 SIGN	1011	--
CB1	PB11 SIGN	1165	--
CB1	SB2	--	182
CB1	SB4	--	221
	TOTAL	2176 *	403

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	10
SB1	RE2	44
SB1	RM2	44
SB2	RE1	44
SB3	RM1	44
	TOTAL	186 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	PB1	47
PB1	SB1	44
PB1	PB2	255
PB2	PB3	248
PB3	PB4	251
PB4	PB5	251
PB5	C CONDULET	22
PB1	PB6	116
PB6	SB2	31
PB6	PB7	65
PB7	PB8	104
PB8	SB3	37
PB1	PB13	102
PB13	PB12	65
PB12	PB8	113
PB8	PB9	317
PB9	PB10	296
PB10	PB11	297
PB11	C CONDULET	22
	TOTAL	2683 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.
PB5 SIGN	HEAD 1	42
PB5 SIGN	HEAD 2	42
PB11 SIGN	HEAD 3	42
PB11 SIGN	HEAD 4	42
	TOTAL	168 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB2	LUMIN.	117
SB4	LUMIN.	117
	TOTAL	234

3

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION*	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 83 & CTH L	1
TOTAL	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
SB1	1	1	--	--
SB2	1	1	1	1
SB3	1	1	--	--
SB4	1	1	1	1
TOTAL	4	4	2	2

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0171 TRAFFIC SIGNAL FACE 1S 12-INCH EACH
1	PB5 SIGN	1
2	PB5 SIGN	1
3	PB11 SIGN	1
4	PB11 SIGN	1
	TOTAL	4

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE EACH
STH 83 & CTH L	1
TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.01 TRNSPT AND INSTALL STATE FURN TRAFFIC SIGNAL CABINET EACH
STH 83 & CTH L	1
TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED RADAR DETECTION SYSTEM

LOCATION	SPV.0060.02 TRNSPT & INSTALL STATE FURN RADAR DETECT SYS EACH
STH 83 & CTH L	1
TOTAL	1



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
1300-09-21
NORTHWEST HIGHWAY (STH 83)
STH 20 TO I-43
STH 83
RACINE COUNTY

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W	WATER
G	GAS
T	TELEPHONE
OH	OVERHEAD TRANSMISSION LINES
E	ELECTRIC
TV	CABLE TELEVISION
FO	FIBER OPTIC
SAN	SANITARY SEWER
SS	STORM SEWER

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)

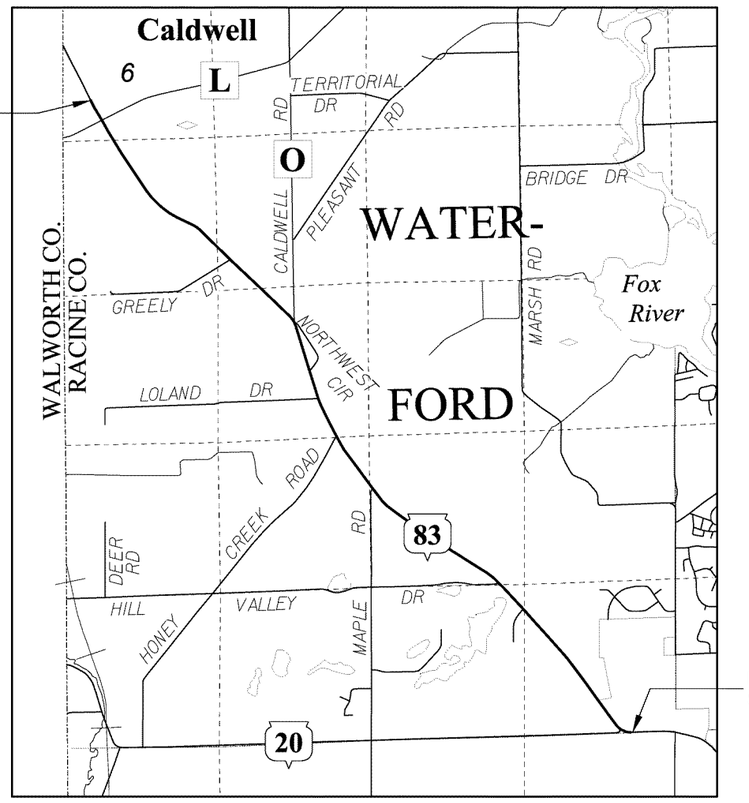
	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

R-19-E

PROJECT LOCATION NORTH LIMITS



T-4-N

GN

PROJECT LOCATION SOUTH LIMITS

THIS IS A COPY, ORIGINAL COPY IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS

LAYOUT
SCALE 0 0.5 MI.

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1300-09-21.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON--ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT--OF--WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

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

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.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

4

PROJECT NUMBER 1300-09-21 - 4.01
SHEET 2 OF 2
AMENDMENT NO:
201

FILE NAME : N:\PDS\C3D\13000901\RW\040400_RP.DWG
LAYOUT NAME: 040400_RP
PLOT DATE : 9/16/2015 3:04 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME : _____
APPRAISAL PLAT DATE :
CONST. I.D. 1300-09-70
1300-09-21 4.00

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 - 4.01

THAT PART OF LOT 1 AND OUTLOT 1 OF CSM 1451 LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 27, TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE 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 PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

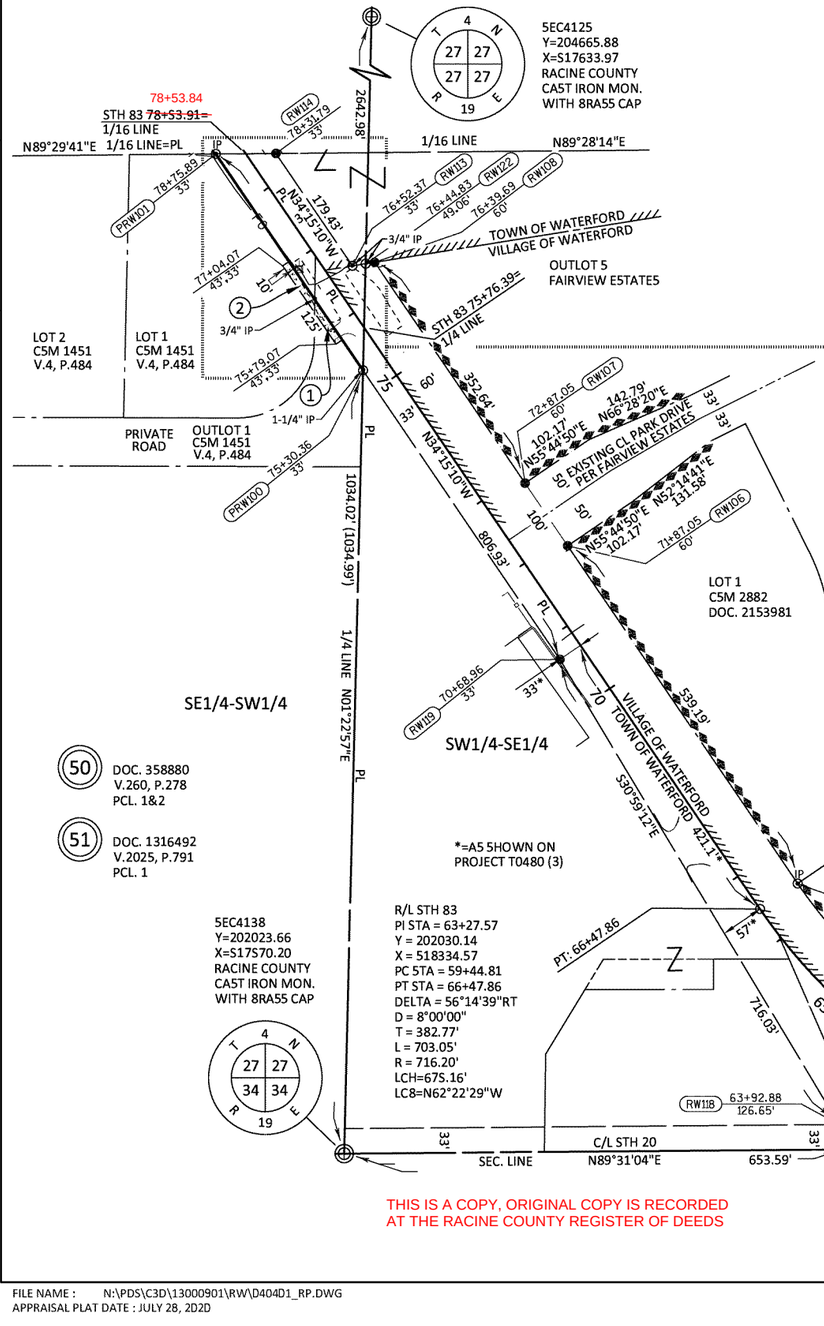
SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
1	KEVIN C. & JENNIFER KETTERHAGEN ETAL	FEE,TLE	0.000	0.086	0.086	0.013	
2	KEVIN C. & JENNIFER KETTERHAGEN	FEE,TLE	0.000	0.150	0.150	0.016	
UTILITY NUMBER		INTEREST REQUIRED					
50	WE ENERGIES ELECTRIC	ROR					
51	WE ENERGIES GAS	ROR					

Document # 2580432
RACINE COUNTY REGISTER OF DEEDS
February 05, 2021 9:43 AM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
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Pages: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.01
AMENDMENT NO:___
SHEET 1 OF 2



NOTES:

PDSITIDNS SHDWN DN THIS PLAT ARE WISCDNSIN CDDRDINATE REFERENCE SYSTEM CDDRDINATES (WISCRS), RACINE CDUNTY, NAD83 (2DD7) IN US SURVEY FEET. VALUES SHDWN ARE GRID CDDRDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GRDUND DISTANCES.

ALL NEW RIGHT-DF-WAY MDNUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRDN REBARS) UNLESS DTHERWISE NDTED, AND WILL BE PLACED PRIDR TD THE CDMPLETIDN DF THE PRDJECT.

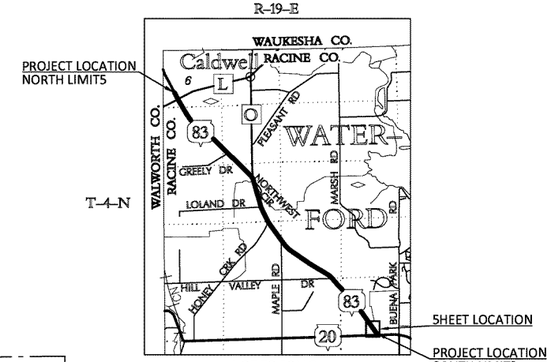
EXISTING ACCESS CDNTRDL ALDNG STH 83 HAS BEEN ESTABLISHED FRDM PREVIDUS PRDJECT 133D-1D-29, FAIRVIEW ESTATES AND CSM 1847. FDR THE LATEST ACCESS/DRIVEWAY INFDRMATIDN, CDNTACT THE PLANNING UNIT DF THE WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DFFICE IN WAUKESHA.

FDR ADDITIDNAL INFDRMATIDN, SEE SHEET 2 DF 2 DF THIS DDCUMENT.

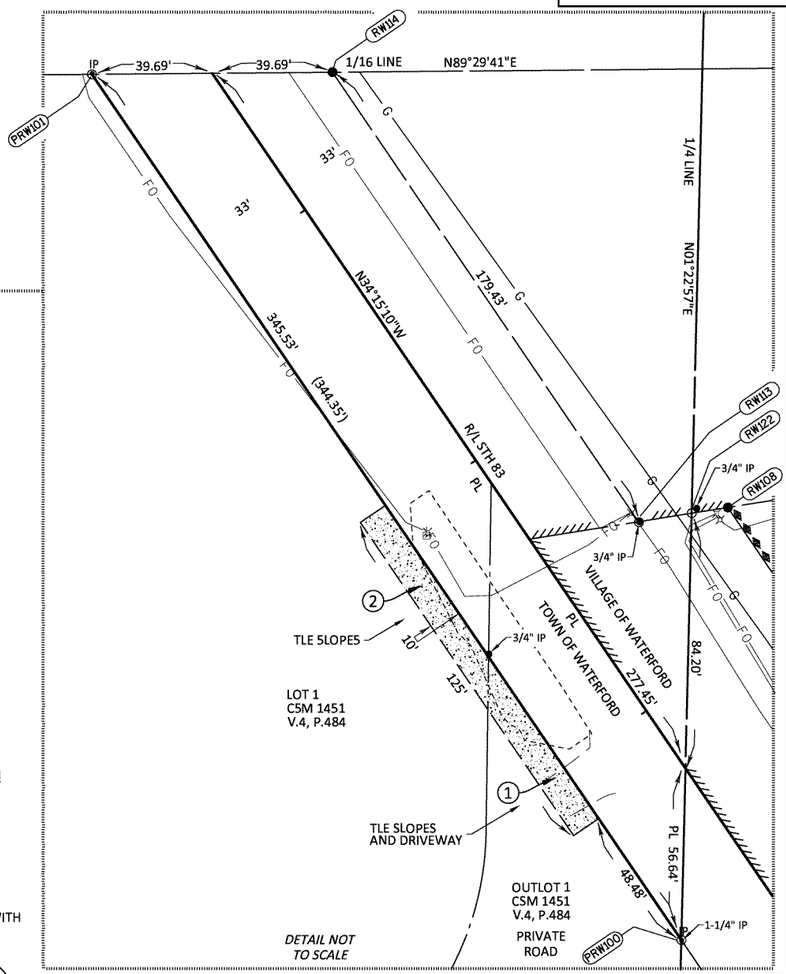
HWY	8A5I5 OF EXI5TING R/W	WIDTH	YEAR
5TH 83	TERRITORIAL ROAD	66'	1839
5TH 83	PROJECT 277S	VARIE5	1927
5TH 83	PROJECT T0480 (3)	VARIE5	1956
PARK DRIVE	FAIRVIEW ESTATES	VARIE5	1996

POINTS	BEARING	DISTANCE
5EC4125-RW122	501°22'57"W	1468.11'
RW113-RW122	N80°54'19"E	17.74'
RW122-RW108	N80°54'19"E	12.09'

LOCATION MAP
R-19-E



NOT TO SCALE



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Walter C. Zendek DATE: 2/4/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION - WAUKESHA

SIGNATURE: Robert L. Duffeck DATE: 2/4/21
PRINT NAME: ROBERT L. DUFFECK

GN

SCALE, FEET 0 100 200

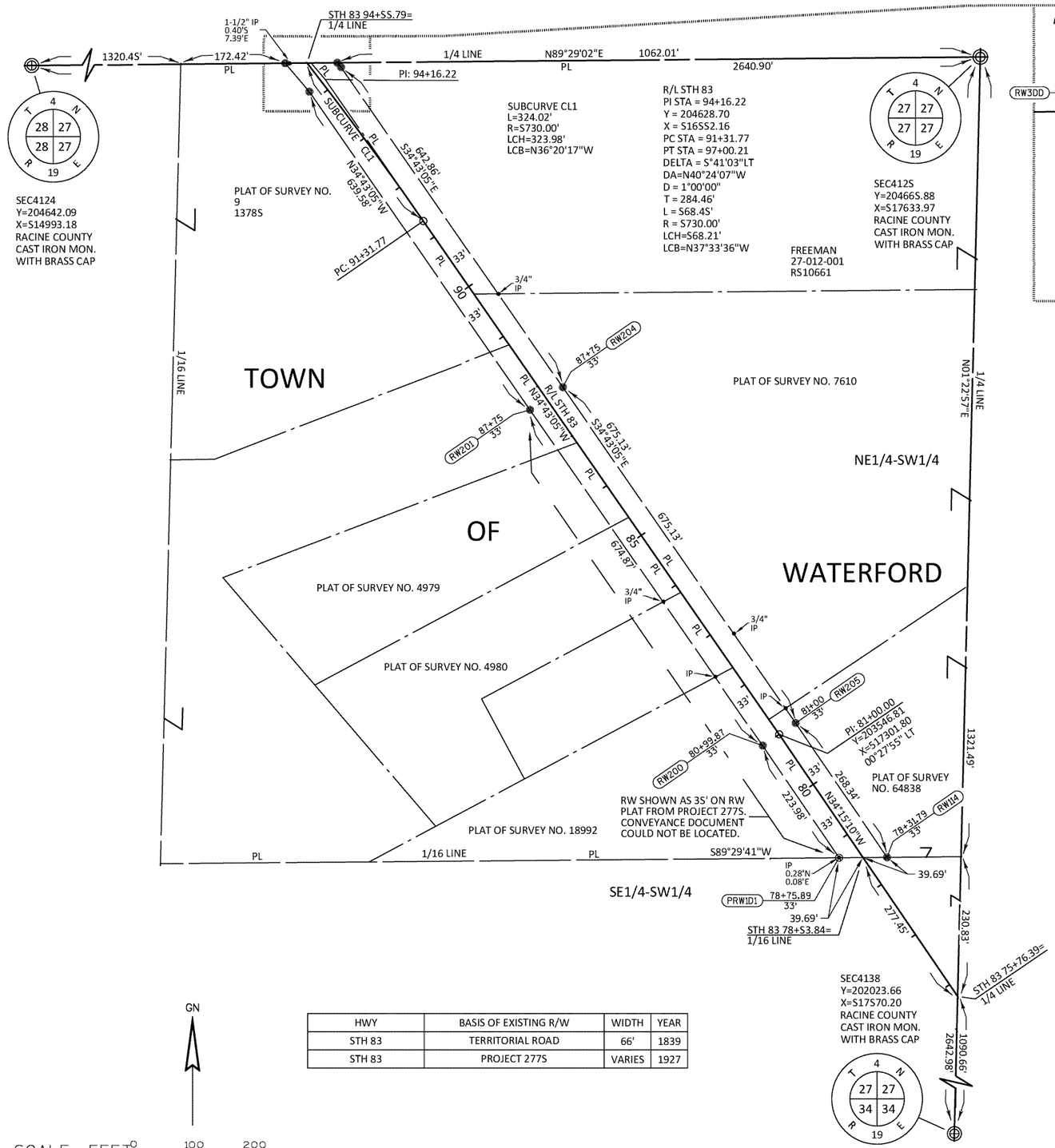
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APPRAISAL PLAT DATE : JULY 28, 2D2D
PLOT DATE : 2/4/2D21 8:2D AM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.01

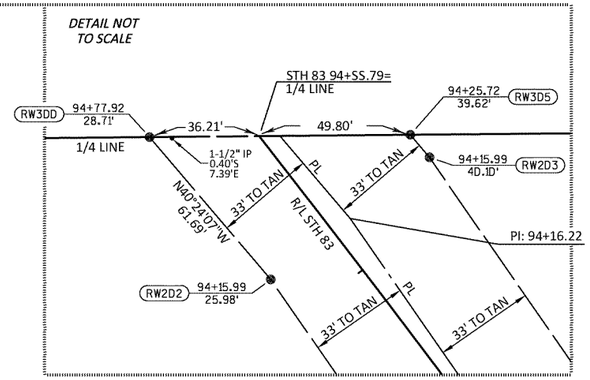
Document # 2592373
RACINE COUNTY REGISTER OF DEEDS
May 20, 2021 9:30 AM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $75.00

The above recording information verifies this document has been electronically recorded
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Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.02
AMENDMENT NO:___



DETAIL NOT TO SCALE



POINTS	BEARING	DISTANCE
RW30S-RW203	S40°24'07"E	9.81'

TRANSPORTATION PROJECT PLAT NO: 1300-09-21-4.02

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 27, TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

THE STATE DF WISCDNSIN HAS DEEMED IT NECESSARY TD MDNUMENT RIGHT-DF-WAY INTERESTS PREVIDUSLY ACQUIRED UNDER SECTIONS 82.01, 82.31(1), 82.31(2), AND 84.09 DF THE WISCDNSIN STATUTES AND DDES HEREBY CERTIFY THE DEPARTMENT DF TRANSPDRTATION HAS SURVEYED THE HIGHWAY RIGHT-DF-WAY; THAT THIS PLAT IS A TRUE AND CDRRECT REPRESENTATIDN DF THE EXTERIDR BDUNDARIES OF THE LAND SURVEYED AND SHDWS ACCURATE MEASUREMENTS THEREDF.

NOTES:

PDSITIDNS SHDWN DN THIS PLAT ARE WISCDNSIN CDDRDINATE REFERENCE SYSTEM CDDRDINATES (WISCRS), RACINE CDUNTY, NAD83 (2DD7) IN US SURVEY FEET. VALUES SHDWN ARE GRID CDDRDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GRDUND DISTANCES.

ALL NEW RIGHT-DF-WAY MDNUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRDN REBARS) UNLESS DTHERWISE NDTED, AND WILL BE PLACED PRIDR TD THE CDMPLETIDN DF THE PRDJECT.

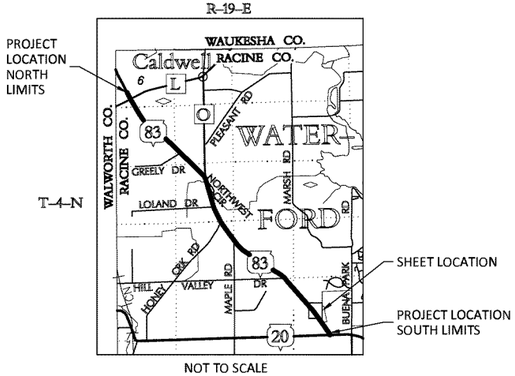
FDR THE LATEST ACCESS/DRIVEWAY INFDRMATIDN, CDNTACT THE PLANNING UNIT DF THE WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DFFICE IN WAUKESHA.

FDR ADDITIDNAL INFDRMATIDN, SEE SHEET 2 DF 2 DF TRANSPDRTATIDN PRDJECT PLAT 13DD-D9-21 4.D1 RECDRDED AS DDCUMENT NUMBER 258D432.

UTILITY INFORMATION IS NOT SHOWN ON THIS PLAT.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 277S	VARIES	1927

LOCATION MAP
R-19-E



NOT TO SCALE

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 5/18/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

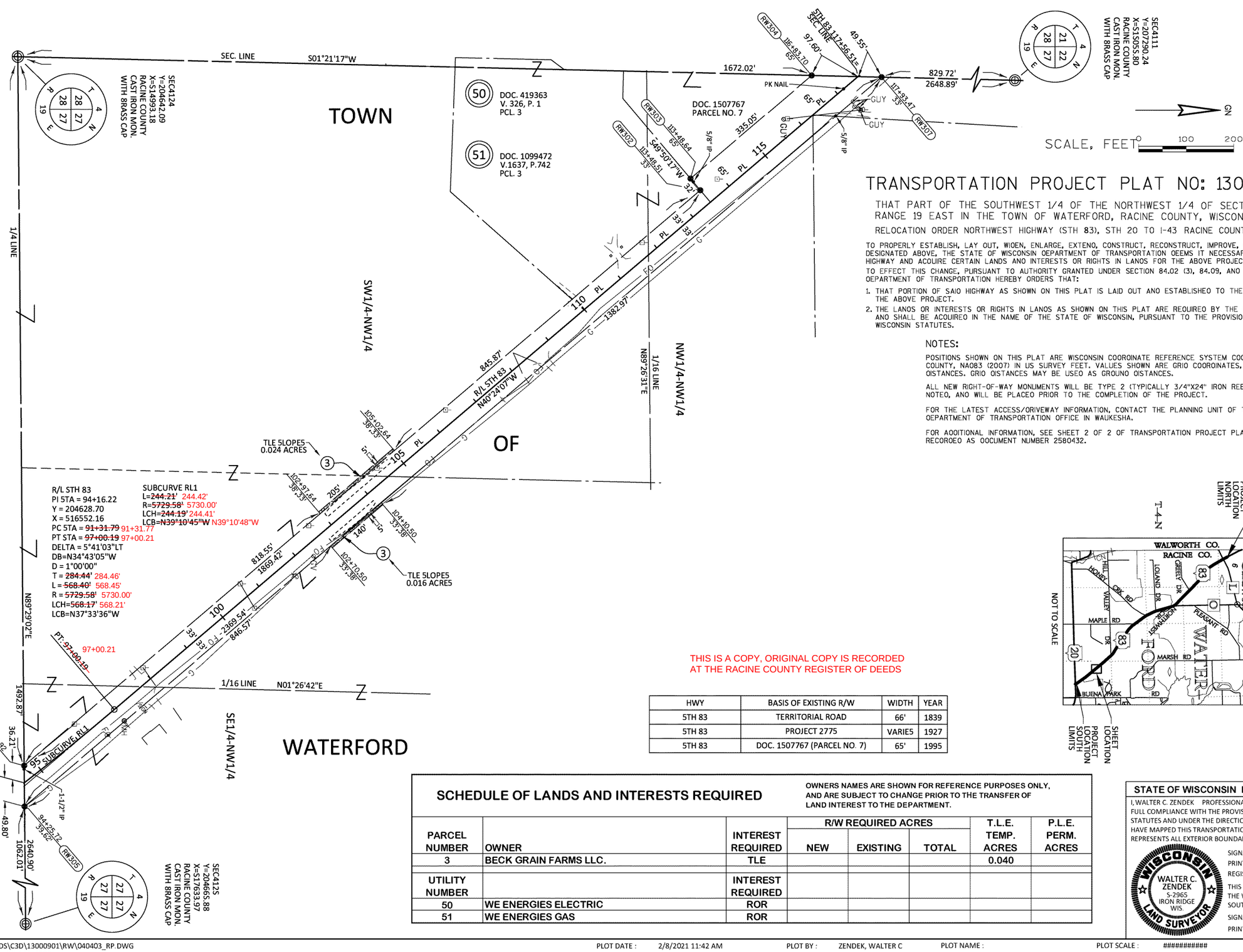
THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 5/18/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\130DD901\RW\D404D2_RP.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 5/19/2021 2:07 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.02

Document # 2580643
RACINE COUNTY REGISTER OF DEEDS
February 08, 2021 2:06 PM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WinDOT - SE Region - Waukesha PO#39500-0000017801
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.03
AMENDMENT NO:___



TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.03

THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 27, TOWNSHIP 4 NORTH, RANGE 19 EAST IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIOEN, ENLARGE, EXTENO, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN OEPARTMENT OF TRANSPORTATION OEEMS IT NECESSARY TO RELOCATE OR CHANGE SAIO HIGHWAY AND ACOUIRE CERTAIN LANDS ANO INTERESTS OR RIGHTS IN LANOS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, ANO 84.30, WISCONSIN STATUTES, THE OEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAIO HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT ANO ESTABLISHEO TO THE LINES ANO WIOTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANOS OR INTERESTS OR RIGHTS IN LANOS AS SHOWN ON THIS PLAT ARE REOUIREO BY THE OEPARTMENT FOR THE ABOVE PROJECT ANO SHALL BE ACOUIREO IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

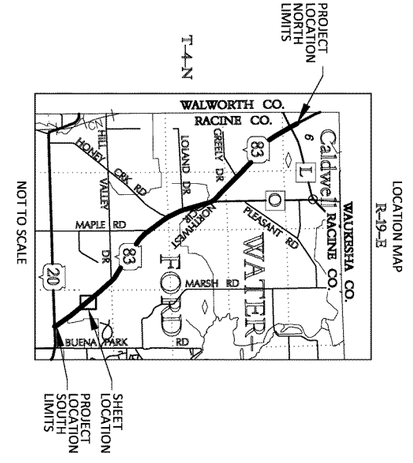
NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COOROINATE REFERENCE SYSTEM COOROINATES (WISCRS), RACINE COUNTY, NAO83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRIO COOROINATES, GRIO BEARINGS, ANO GRIO OISTANCES. GRIO OISTANCES MAY BE USEO AS GROUNO OISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTEO, ANO WILL BE PLACEO PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/ORIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN OEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR AOOITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 1300-09-21 4.01 RECOROEO AS OOCUMENT NUMBER 2580432.



THIS IS A COPY, ORIGINAL COPY IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
5TH 83	TERRITORIAL ROAD	66'	1839
5TH 83	PROJECT 2775	VARIE5	1927
5TH 83	DOC. 1507767 (PARCEL NO. 7)	65'	1995

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
3	BECK GRAIN FARMS LLC.	TLE				0.040	
UTILITY NUMBER		INTEREST REQUIRED					
50	WE ENERGIES ELECTRIC	ROR					
51	WE ENERGIES GAS	ROR					

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 2/8/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 2/8/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\13000901\RW\040403_RP.DWG
APPRAISAL PLAT DATE : JULY 28, 2020
PLOT DATE : 2/8/2021 11:42 AM PLOT BY : ZENDEK, WALTER C PLOT NAME : PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.03

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 - 4.04

THAT PART OF LOT 1 AND LOT 2 OF CSM 1274 LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 28, TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

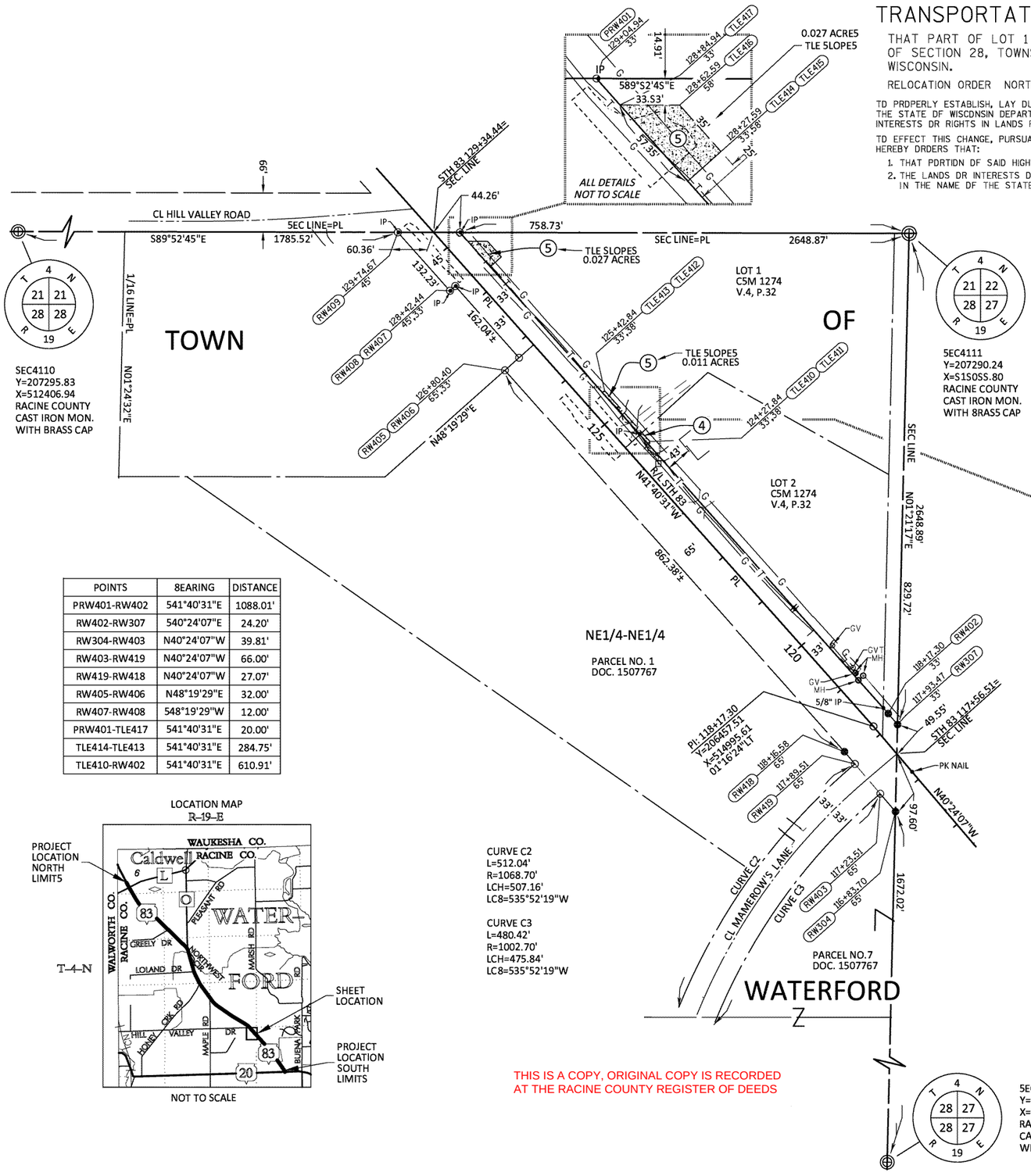
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document # **2581023**
RACINE COUNTY REGISTER OF DEEDS
February 11, 2021 9:58 AM
Kari Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.04
AMENDMENT NO:___



POINTS	8EARING	DISTANCE
PRW401-RW402	541°40'31"E	1088.01'
RW402-RW307	540°24'07"E	24.20'
RW304-RW403	N40°24'07"W	39.81'
RW403-RW419	N40°24'07"W	66.00'
RW419-RW418	N40°24'07"W	27.07'
RW405-RW406	N48°19'29"E	32.00'
RW407-RW408	S48°19'29"W	12.00'
PRW401-TLE417	541°40'31"E	20.00'
TLE414-TLE413	541°40'31"E	284.75'
TLE410-RW402	541°40'31"E	610.91'

LOCATION MAP
R-19-E

NOT TO SCALE

CURVE C2
L=512.04'
R=1068.70'
LCH=507.16'
LC8=535°52'19"W

CURVE C3
L=480.42'
R=1002.70'
LCH=475.84'
LC8=535°52'19"W

THIS IS A COPY, ORIGINAL COPY IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
4	EILEEN M. JOHNS	FEE,TLE	0.000	0.482	0.482	0.002	
5	ANDREW R. BECK & KANDISS L. PAYNE	FEE,TLE	0.000	0.357	0.357	0.038	
UTILITY NUMBER		INTEREST REQUIRED					
51	WE ENERGIES GAS	ROR					
~~52~~	~~TDS TELECOM~~	~~ROR~~					

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 13DD-09-21 4.01 RECORDED AS DOCUMENT NUMBER 258D432.

HWY	8A5I5 OF EXI5TING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 2775	VARIE5	1927
STH 83	DOC. 1507767 (PARCEL NO. 1)	65'	1993
STH 83	DOC. 1507767 (PARCEL NO. 7)	65'	1993
HILL VALLEY ROAD	ROCHE5TER 8OOK A, P. 112 WIS. STATUTE 82.31(1)	66'	1848
MAMEROW'S LANE	DOC. 1621001	66'	1998

51 DOC. 1098001
V.1635, P.544
PCL. 4 & 5

Doc. 2608098
Vac. Order 10/06/2021

~~52 NO RECORDED EASEMENT PCL. 4 & 5~~

GN

SCALE, FEET 0 100 200

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 2/9/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 2/9/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\130D09D1\RW\D404D4_RP.DWG
APPRAISAL PLAT DATE : JULY 28, 2020
PLOT DATE : 2/10/2021 2:41 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.04

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

Document # **2608098**
RACINE COUNTY REGISTER OF DEEDS
October 06, 2021 3:16 PM

Karie Y. Pope

KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

This Vacation Order applies to Transportation Project Plat 1300-09-21 -4.04, recorded on February 11, 2021 as Document Number 2581023 in the Office of the Register of Deeds for Racine County.

Whereas, utility number 52 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said utility number is vacated and rescinded.

This space is reserved for recording data

Return to
Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number
016-04-19-28-001-010
016-04-19-28-001-020

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Walter C. Zendek
(Signature)

10-6-21
(Date – m/d/yyyy)

Walter C. Zendek
(Print Name)

Right of Way Plat Designer
(Title)

State of Wisconsin
Waukesha County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x
(Signature, Notary Public, State of Wisconsin)

James A Cox.
(Print or Type Name, Notary Public, State of Wisconsin)

10-3-25
(Date Commission Expires)

WISCONSIN
WALTER C.
ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

JAMES A COX
Notary Public
State of Wisconsin

Project ID 1300-09-21

This Instrument was drafted by Walter C. Zendek

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
6	PROVINCIAL CORPORATION	FEE,TLE	0.000	1.867	1.867	0.023	
7	DAVID J. TALSKY & PAMELA J. TALSKY REVOCABLE TRUST	FEE,TLE	0.000	0.412	0.412	0.022	
UTILITY NUMBER		INTEREST REQUIRED					
50	WE ENERGIES ELECTRIC	ROR					
51	WE ENERGIES GAS	ROR					
~~52~~	~~TDS TELECOM~~	~~ROR~~					

Document # 2581607
RACINE COUNTY REGISTER OF DEEDS
February 17, 2021 3:22 PM
Kakie Pope
KAKIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.05
AMENDMENT NO:___

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.05

THAT PART OF THE SOUTHWEST 1/4 AND SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 21, TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE 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 PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

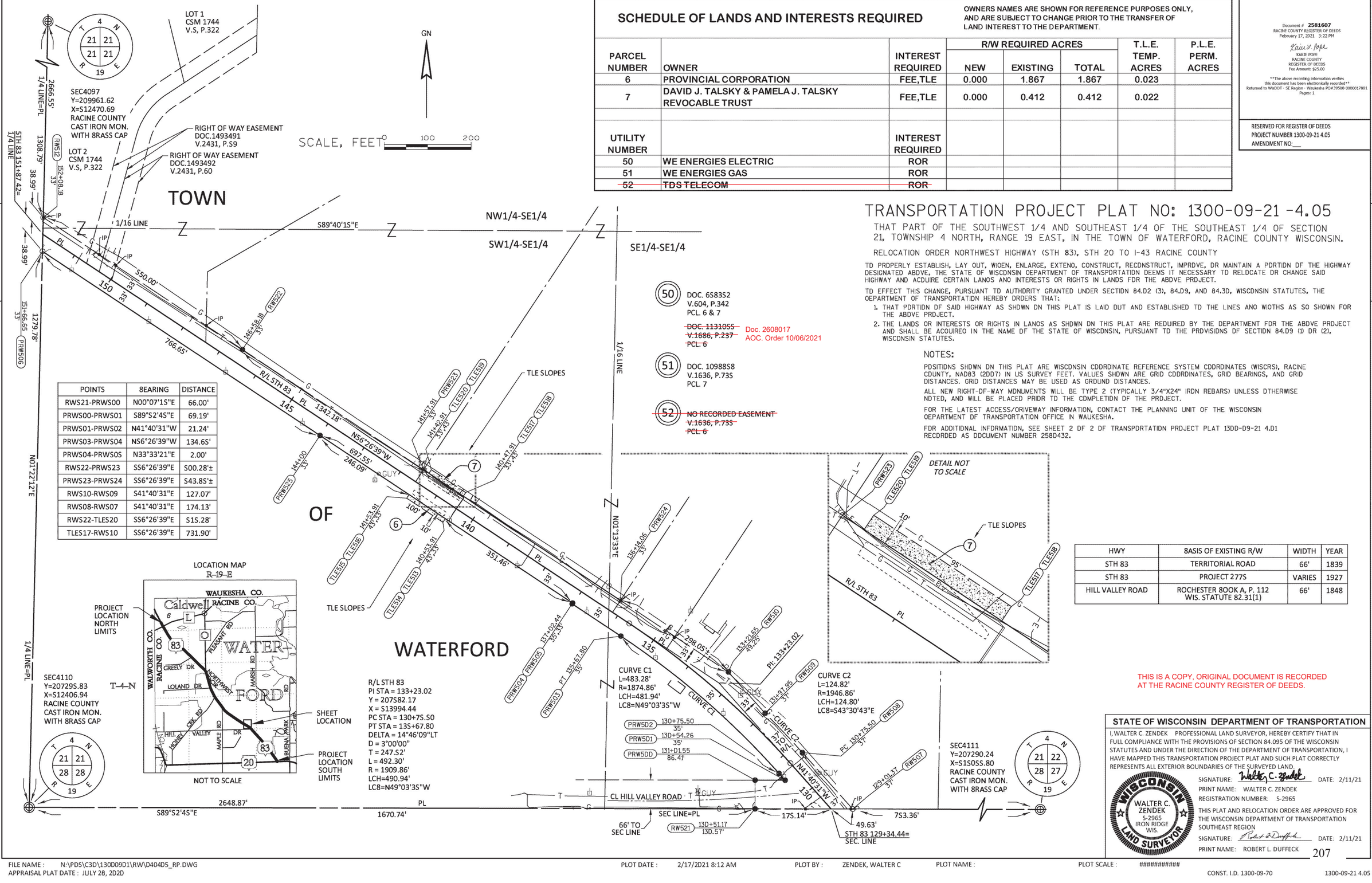
NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 13DD-09-21 4.01 RECORDED AS DOCUMENT NUMBER 258D432.



POINTS	BEARING	DISTANCE
RWS21-PRWS00	N00°07'15"E	66.00'
PRWS00-PRWS01	S89°52'45"E	69.19'
PRWS01-PRWS02	N41°40'31"W	21.24'
PRWS03-PRWS04	N56°26'39"W	134.65'
PRWS04-PRWS05	N33°33'21"E	2.00'
RWS22-PRWS23	S56°26'39"E	S00.28'±
PRWS23-PRWS24	S56°26'39"E	S43.85'±
RWS10-RWS09	S41°40'31"E	127.07'
RWS08-RWS07	S41°40'31"E	174.13'
RWS22-TLES20	S56°26'39"E	S15.28'
TLES17-RWS10	S56°26'39"E	731.90'

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 277S	VARIES	1927
HILL VALLEY ROAD	ROCHESTER BOOK A, P. 112 WIS. STATUTE 82.31(1)	66'	1848

SEC4110 Y=207295.83 X=S12406.94 RACINE COUNTY CAST IRON MON. WITH 8RASS CAP

SEC4111 Y=207290.24 X=S15055.80 RACINE COUNTY CAST IRON MON. WITH 8RASS CAP

THIS IS A COPY, ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Walter C. Zendek DATE: 2/11/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L Duffeck DATE: 2/11/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\130D09D1\RW\D404D5_RP.DWG
APPRAISAL PLAT DATE : JULY 28, 2020
PLOT DATE : 2/17/2021 8:12 AM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.05

Document # **2608017**
RACINE COUNTY REGISTER OF DEEDS
October 06, 2021 12:14 PM

Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 2

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
DT1590 7/2016 s. 84.095(3)(b) Wis. Stats.
Exempt from filing transfer return form [s. 77.21(1), 77.22(1), Wis. Stats.]

This Affidavit of Correction applies to Transportation Project Plat 1300-09-21 -4.05, recorded on February 17, 2021 as Document 2581607 in the Office of the Register of Deeds for Racine County and is described as follows:

See Attached.

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Walter C. Zendek
(Signature)

Walter C. Zendek
(Print Name)

Right of Way Plat Designer
(Title)

Subscribed and sworn to before me this date.

10/6/21
(Date)

State of Wisconsin)
) ss.
Waukesha County)

(Signature, Notary Public, State of Wisconsin)

James A Cox
(Print or Type Name, Notary Public, State of Wisconsin)

10-3-25
(Date Commission Expires)

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

JAMES A COX
Notary Public
State of Wisconsin

Near the center of the sheet, the easement list for Utility Number 50 is incorrectly shown as:



DOC. 658352
V.604, P.342
PCL. 6 & 7

DOC. 1131055
V.1686, P.237
PCL. 6

And should be correctly shown as:



DOC. 658352
V.604, P.342
PCL. 6 & 7

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.06

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 21, TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

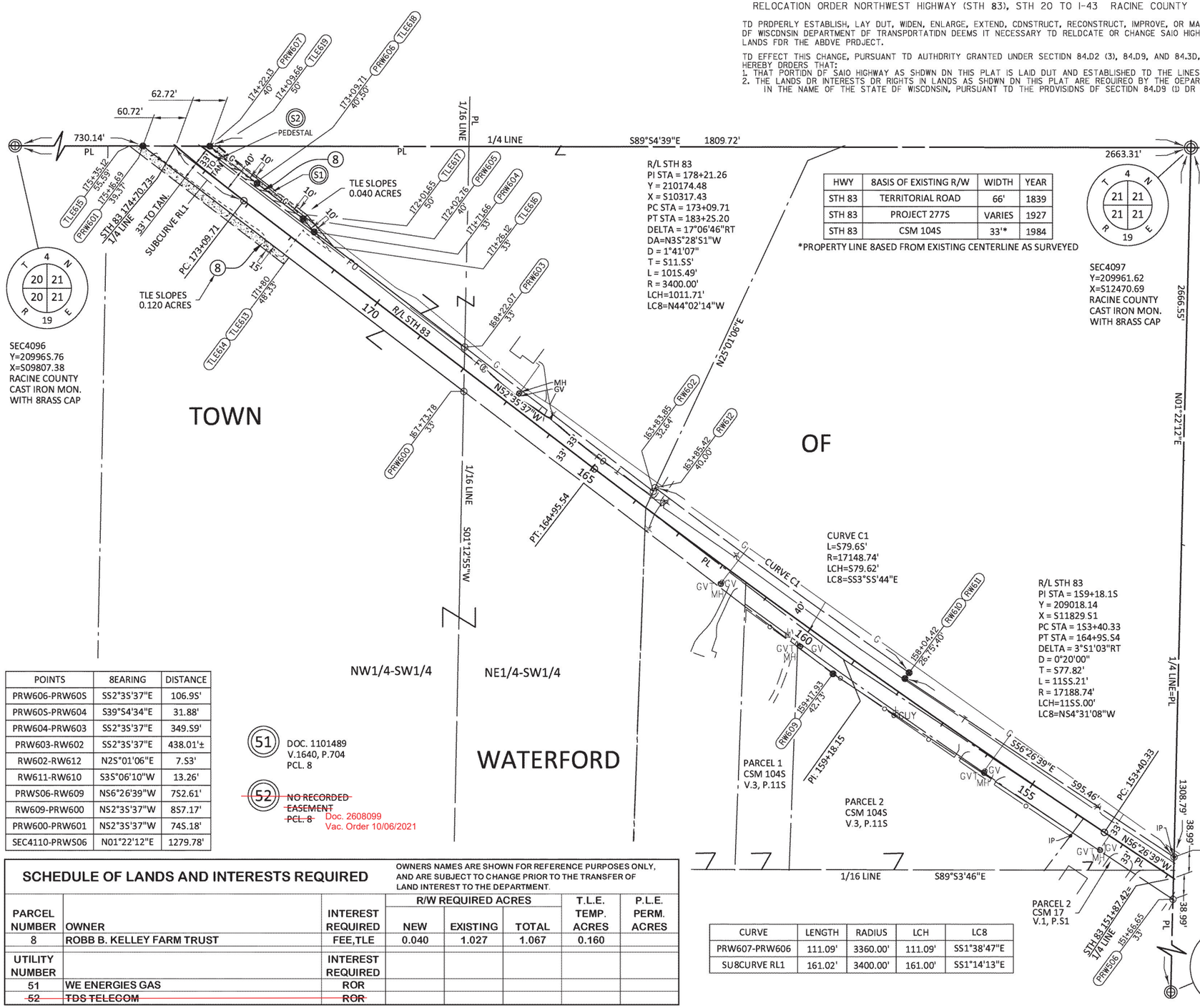
TD PRDPERLY ESTABLISH, LAY DUT, WIDEN, ENLARGE, EXTEND, CDNSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION DF THE HIGHWAY DESIGNATED ABDVE, THE STATE DF WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DEEMS IT NECESSARY TD RELDCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS DR RIGHTS IN LANDS FDR THE ABDVE PRDJECT.

TD EFFECT THIS CHANGE, PURSUANT TD AUTHDRITY GRANTED UNDER SECTIDN 84.D2 (3), 84.D9, AND 84.3D, WISCDNSIN STATUTES, THE DEPARTMENT DF TRANSPDRTATIDN HEREBY DRDERS THAT:
1. THAT PDRTIDN DF SAID HIGHWAY AS SHDWN DN THIS PLAT IS LAID DUT AND ESTABLISHED TD THE LINES AND WIDTHS AS SD SHDWN FDR THE ABDVE PRDJECT.
2. THE LANDS DR INTERESTS DR RIGHTS IN LANDS AS SHDWN DN THIS PLAT ARE REQUIRED BY THE DEPARTMENT FDR THE ABDVE PRDJECT AND SHALL BE ACQUIRED IN THE NAME DF THE STATE DF WISCDNSIN, PURSUANT TD THE PRDVISIDNS DF SECTIDN 84.D9 (1) DR (2), WISCDNSIN STATUTES.

Document # **2583176**
RACINE COUNTY REGISTER OF DEEDS
March 03, 2021 2:18 PM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.06
AMENDMENT NO:___



HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 277S	VARIES	1927
STH 83	CSM 104S	33'*	1984

*PROPERTY LINE BASED FROM EXISTING CENTERLINE AS SURVEYED

POINTS	BEARING	DISTANCE
PRW606-PRW60S	SS2°3S'37"E	106.9S'
PRW60S-PRW604	S39°S4'34"E	31.88'
PRW604-PRW603	SS2°3S'37"E	349.S9'
PRW603-RW602	SS2°3S'37"E	438.01'±
RW602-RW612	N2S°01'06"E	7.S3'
RW611-RW610	S3S°06'10"W	13.26'
PRWS06-RW609	NS6°26'39"W	7S2.61'
RW609-PRW600	NS2°3S'37"W	8S7.17'
PRW600-PRW601	NS2°3S'37"W	74S.18'
SEC4110-PRWS06	N01°22'12"E	1279.78'

CURVE	LENGTH	RADIUS	LCH	LC8
PRW607-PRW606	111.09'	3360.00'	111.09'	SS1°38'47"E
SU8CURVE RL1	161.02'	3400.00'	161.00'	SS1°14'13"E

(51) DOC. 1101489
V.1640, P.704
PCL. 8

(52) ~~NO RECORDED EASEMENT PCL. 8~~ Doc. 2608099
Vac. Order 10/06/2021

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
8	ROBB B. KELLEY FARM TRUST	FEE,TLE	0.040	1.027	1.067	0.160	
UTILITY NUMBER		INTEREST REQUIRED					
51	WE ENERGIES GAS	ROR					
~~52~~	~~TDS TELECOM~~	~~ROR~~					

NOTES:

PDSITIDNS SHDWN DN THIS PLAT ARE WISCDNSIN CDDRDINATE REFERENCE SYSTEM CDDRDINATES (WISCRS), RACINE CDUNTY, NAD83 (2DD7) IN US SURVEY FEET. VALUES SHDWN ARE GRID CDDRDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GRDUND DISTANCES.

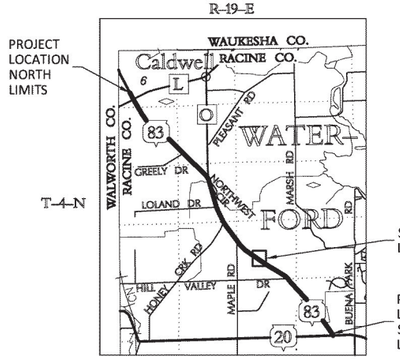
ALL NEW RIGHT-DF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS DTHERWISE NDTED, AND WILL BE PLACED PRIOR TO THE COMPLETION DF THE PROJECT.

FDR THE LATEST ACCESS/DRIVEWAY INFDRMATIDN, CDNTACT THE PLANNING UNIT DF THE WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DFFICE IN WAUKESHA.

FDR ADDITIDNAL INFDRMATIDN, SEE SHEET 2 DF 2 DF TRANSPDRTATIDN PRDJECT PLAT 13DD-D9-21 4.D1 RECDRDED AS DDCUMENT NUMBER 258D432.

THIS IS A COPY. ORIGINAL COPY IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

LOCATION MAP
R-19-E



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN LAND SURVEYOR — WALTER C. ZENDEK S-2965 IRON RIDGE WIS.

SIGNATURE: Walter C. Zendek DATE: 3/2/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 3/2/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\130D09D1\RW\D404D6_RP.DWG
APPRAISAL PLAT DATE : JULY 28, 2D2D
PLOT DATE : 3/2/2021 7:4D AM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.06

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

Document # **2608099**
RACINE COUNTY REGISTER OF DEEDS
October 06, 2021 3:16 PM

Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

This Vacation Order applies to Transportation Project Plat 1300-09-21 -4.06, recorded on March 3, 2021 as Document Number 2583176 in the Office of the Register of Deeds for Racine County.

Whereas, utility number 52 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said utility number is vacated and rescinded.

This space is reserved for recording data

Return to
Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number
016-04-19-21-003-000

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Walter C. Zendek
(Signature)

10-6-21
(Date – m/d/yyyy)

Walter C. Zendek
(Print Name)

Right of Way Plat Designer
(Title)

State of Wisconsin
Waukesha County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x James A Cox
(Signature, Notary Public, State of Wisconsin)

James A Cox
(Print or Type Name, Notary Public, State of Wisconsin)

10-3-25
(Date Commission Expires)

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

JAMES A COX
Notary Public
State of Wisconsin

Project ID 1300-09-21

This instrument was drafted by Walter C. Zendek

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

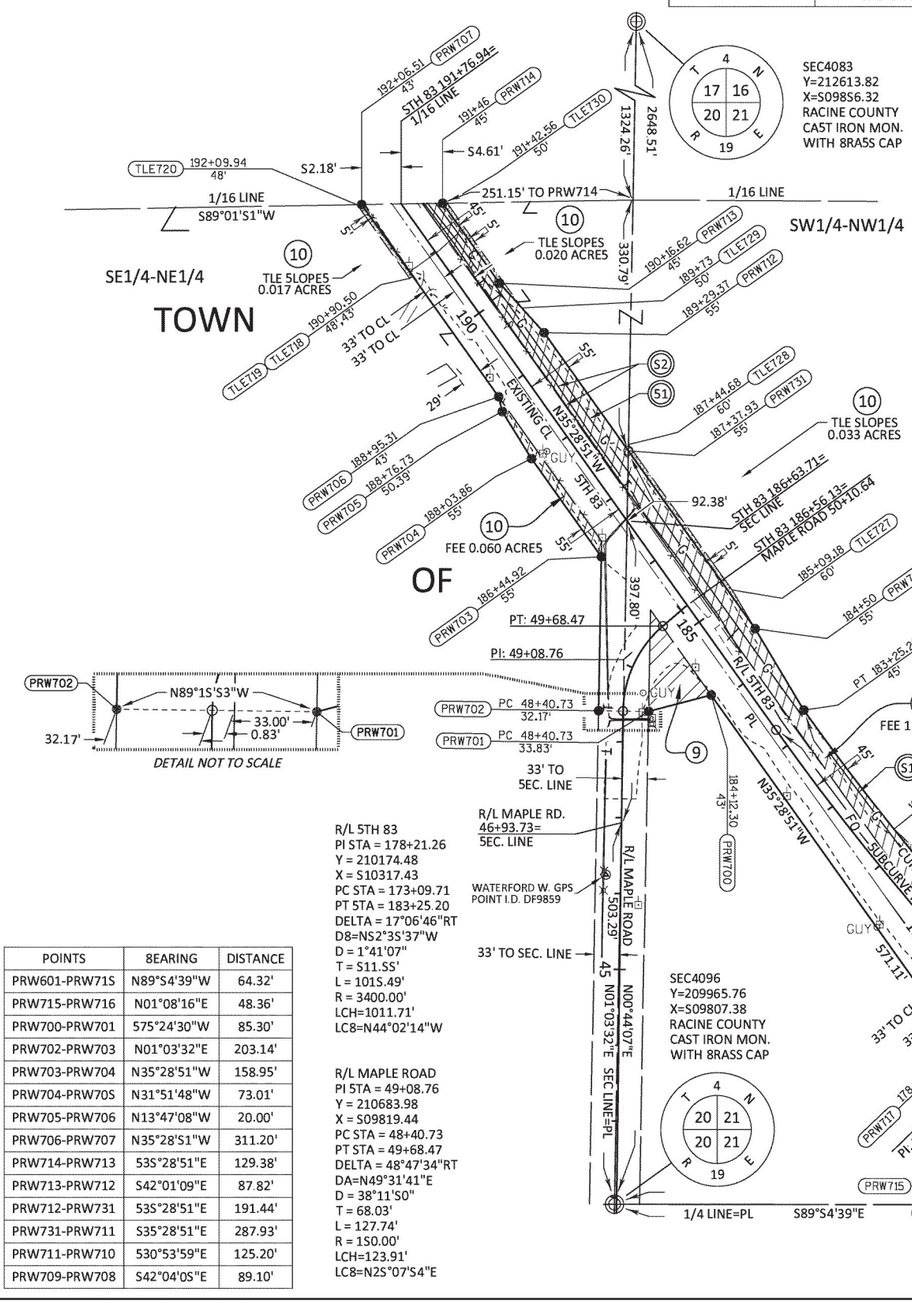
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 1300-09-21 4.01 RECORDED AS DOCUMENT NUMBER 2580432.

(51) DOC. 1099474 V.1637, P.74S PCL. 10

(52) DOC. 10629S9 V.1S3S, P.66 PCL. 10

HWY	8A5I5 OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 277S	VARIES	1927
MAPLE ROAD	ROCHESTER 8OOK C, SURVEY NO. 10 WIS. STATUTE 82.31(1)	66'	18S2



POINTS	8EARING	DISTANCE
PRW601-PRW71S	N89°S4'39"W	64.32'
PRW715-PRW716	N01°08'16"E	48.36'
PRW700-PRW701	S75°24'30"W	85.30'
PRW702-PRW703	N01°03'32"E	203.14'
PRW703-PRW704	N35°28'51"W	158.95'
PRW704-PRW70S	N31°51'48"W	73.01'
PRW705-PRW706	N13°47'08"W	20.00'
PRW706-PRW707	N35°28'51"W	311.20'
PRW714-PRW713	S3S°28'51"E	129.38'
PRW713-PRW712	S42°01'09"E	87.82'
PRW712-PRW731	S3S°28'51"E	191.44'
PRW731-PRW711	S3S°28'51"E	287.93'
PRW711-PRW710	S30°53'59"E	125.20'
PRW709-PRW708	S42°04'0S"E	89.10'

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
9	GREGORY A. AND LUANN M. HIMEBAUCH ETAL.	FEE	0.126	1.074	1.200		
10	ELAM AND BARBARA BUTTLES	FEE,TLE	1.187	1.871	3.058	0.197	
UTILITY NUMBER		INTEREST REQUIRED					
51	WE ENERGIES GAS	ROR					
52	TDS TELECOM	ROR					

Document # **2582430**
RACINE COUNTY REGISTER OF DEEDS
February 25, 2021 9:32 AM
Karen Pope
KAREN POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300 09-21 4.07
AMENDMENT NO:___

TRANSPORTATION PROJECT PLAT NO: 1300-09-21-4.07

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 20 AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 21, ALL IN TOWNSHIP 4 NORTH, RANGE 19 EAST IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

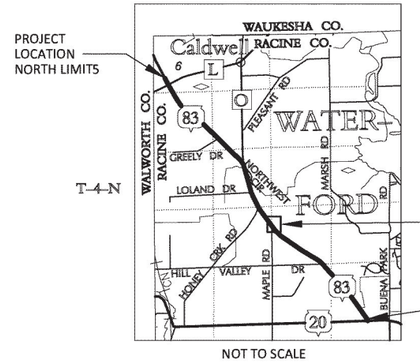
RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

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 PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

THIS IS A COPY, ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

LOCATION MAP
R-19-E



PROJECT LOCATION NORTH LIMITS

SHEET LOCATION

PROJECT LOCATION SOUTH LIMITS

NOT TO SCALE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN LAND SURVEYOR — WALTER C. ZENDEK S-2965 IRON RIDGE WIS.

SIGNATURE: Walter C. Zendek DATE: 2/22/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 2/22/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\13000901\RW\040407_RP.DWG
APPRAISAL PLAT DATE : JULY 28, 2020
PLOT DATE : 2/24/2021 1:16 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.07

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
10	ELAM AND BARBARA BUTTLES	FEE,TLE	2.477	1.765	4.242	0.628	
11	W. JAMES AND PAMILA A. SCHMIDT	FEE,TLE	0.000	0.228	0.228	0.064	
UTILITY NUMBER		INTEREST REQUIRED					
51	WE ENERGIES GAS	ROR					
52	TDS TELECOM	ROR					

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN CDORDINATE REFERENCE SYSTEM CDORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID CDDRDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GRDUND DISTANCES.

ALL NEW RIGHT-DF-WAY MDNUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRDN REBARS) UNLESS DTHERWISE NDTED, AND WILL BE PLACED PRIDR TD THE CDMPLETIDN DF THE PRDJECT.

FDR THE LATEST ACCESS/DRIVEWAY INFDRMATIDN, CDNTACT THE PLANNING UNIT DF THE WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DFFICE IN WAUKESHA.

FDR ADDITIDNAL INFDRMATIDN, SEE SHEET 2 DF 2 DF TRANSPDRTATIDN PRDJECT PLAT 13DD-D9-21 4.D1 RECDRDED AS DDCUMENT NUMBER 258D432.

(51) DOC. 1099474, V.1637, P.745 PCL. 10

~~DOC. 1098860, V.1636, P.739 PCL. 11~~ Doc. 2608100 AOC Order 10/06/2021

(52) DOC. 1062959, V.1535, P.66 PCL. 10

Document # **2585087**
RACINE COUNTY REGISTER OF DEEDS
March 19, 2021 10:40 AM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.08
AMENDMENT NO:___

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.08

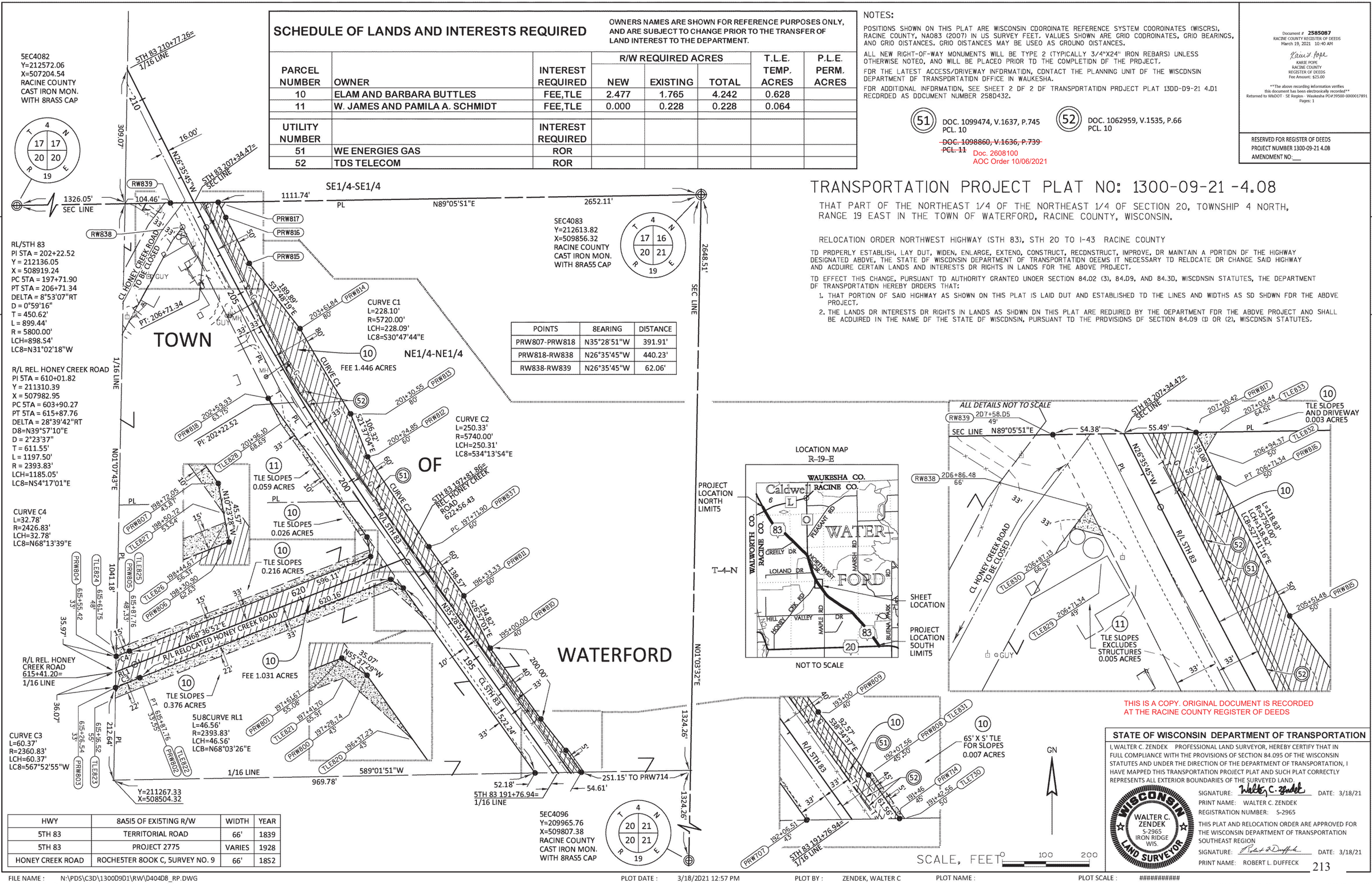
THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 20, TOWNSHIP 4 NORTH, RANGE 19 EAST IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

TD PRDPERLY ESTABLISH, LAY DUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECDNSTRUCT, IMPROVE, DR MAINTAIN A PDRTIDN DF THE HIGHWAY DESIGNATED ABDVE, THE STATE DF WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DEEMS IT NECESSARY TD RELDCATE DR CHANGE SAID HIGHWAY AND ACDUIRE CERTAIN LANDS AND INTERESTS DR RIGHTS IN LANDS FDR THE ABDVE PRDJECT.

TD EFFECT THIS CHANGE, PURSUANT TD AUTHDRITY GRANTED UNDER SECTION 84.02 (3), 84.D9, AND 84.3D, WISCDNSIN STATUTES, THE DEPARTMENT DF TRANSPDRTATIDN HEREBY DRDERS THAT:

1. THAT PDRTIDN DF SAID HIGHWAY AS SHDWN ON THIS PLAT IS LAID DUT AND ESTABLISHED TD THE LINES AND WIDTHS AS SD SHDWN FDR THE ABDVE PRDJECT.
2. THE LANDS DR INTERESTS DR RIGHTS IN LANDS AS SHDWN DN THIS PLAT ARE REDUIRED BY THE DEPARTMENT FDR THE ABDVE PRDJECT AND SHALL BE ACDUIRED IN THE NAME DF THE STATE DF WISCDNSIN, PURSUANT TD THE PRDVISIDNS DF SECTION 84.09 (1) DR (2), WISCDNSIN STATUTES.



HWY	8A5I5 OF EXISTING R/W	WIDTH	YEAR
5TH 83	TERRITORIAL ROAD	66'	1839
5TH 83	PROJECT 2775	VARIES	1928
HONEY CREEK ROAD	ROCHE5TER 8OOK C, 5URVEY NO. 9	66'	18S2

THIS IS A COPY. ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 3/18/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 3/18/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\1300D9D1\RW\D404D8_RP.DWG
APPRAISAL PLAT DATE : AUGUST 12, 2D2D
PLOT DATE : 3/18/2021 12:57 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.08

Document Number

AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
DT1590 7/2016 s. 84.095(3)(b) Wis. Stats.
Exempt from filing transfer return form [s. 77.21(1), 77.22(1), Wis. Stats.]

Document # **2608100**
RACINE COUNTY REGISTER OF DEEDS
October 06, 2021 3:17 PM

Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

This Affidavit of Correction applies to Transportation Project Plat 1300-09-21 -4.08, recorded on March 19, 2021 as Document 2585087 in the Office of the Register of Deeds for Racine County and is described as follows:

The list of easement documents for Utility Number 51, located in the top left of the sheet, shown as:

51 DOC. 1099474, V.1637, P.745
PCL. 10

DOC. 1098860, V.1636, P.739
PCL. 11

Is incorrect and is to be shown as:

51 DOC. 1099474, V.1637, P.745
PCL. 10

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number
016-04-19-20-003-000

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Walter C. Zendek (Signature)

Walter C. Zendek
(Print Name)

Right of Way Plat Designer
(Title)

Subscribed and sworn to before me this date.

10-6-21
(Date)

State of Wisconsin)
) ss.
Waukesha County)

James A Cox
(Signature, Notary Public, State of Wisconsin)

James A Cox
(Print or Type Name, Notary Public, State of Wisconsin)

10-3-25
(Date Commission Expires)

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

JAMES A COX
Notary Public
State of Wisconsin

Project ID 1300-09-21 This instrument was drafted by Walter C. Zendek Utility Number 51

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.09

THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, AND PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 20, ALL IN TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE 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 PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET, VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES, GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 13DD-09-21 4.01 RECORDED AS DOCUMENT NUMBER 258D432.

THIS IS A COPY, ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS

SCHEDULE OF LANDS AND INTERESTS REQUIRED

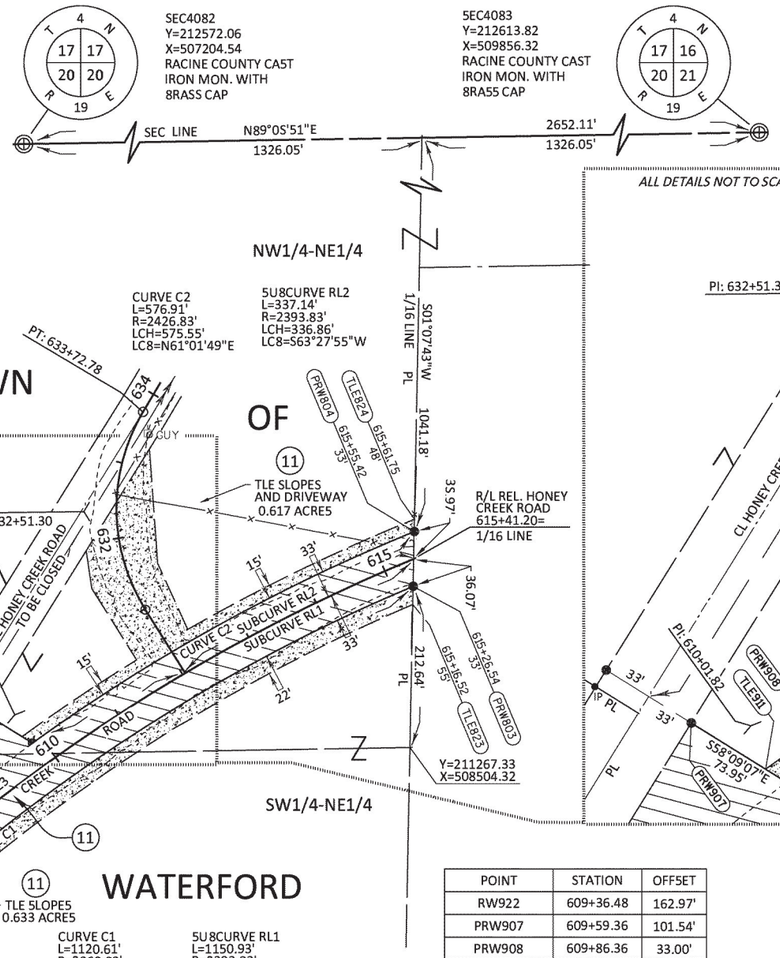
OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
11	W. JAMES AND PAMILA A. SCHMIDT	FEE,TLE	1.560	0.446	2.006	1.250	

Document # 2585088
RACINE COUNTY REGISTER OF DEEDS
March 19, 2021 10:41 AM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

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Returned to WisDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300 09-21 4.09
AMENDMENT NO:___

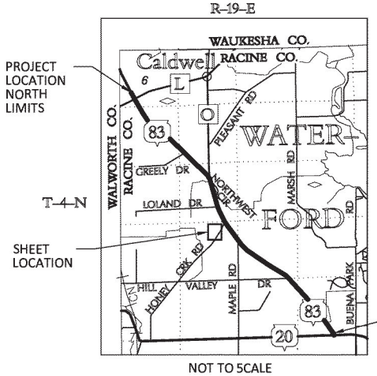


POINTS	BEARING	DISTANCE
PRW901-RW918	S39°10'59"W	200.28'
RW918-R/L	N52°02'50"W	31.12'
R/L-RW923	N52°02'50"W	34.88'
RW923-RW920	N39°10'59"E	199.26'
RW920-RW921	N37°09'36"E	246.17'
RW921-RW922	N31°54'22"E	336.81'
RW922-PRW907	S58°09'07"E	66.00'

POINT	STATION	OFFSET
RW922	609+36.48	162.97'
PRW907	609+59.36	101.54'
PRW908	609+86.36	33.00'
TLE911	609+80.31	48.00'
TLE912	611+58.64	48.00'
TLE913	631+49.70	51.28'
TLE914	631+91.90	45.00'
TLE915	633+30.23	29.03'
TLE916	631+50.81	41.64'
TLE917	612+35.59	48.00'

R/L RELOCATED HONEY CREEK RD.
PI STA = 610+01.82
Y = 211310.39
X = 507982.95
PC 5TA = 603+90.27
PT STA = 61S+87.76
DELTA = 28°39'42"RT
DA=N68°36'52"E
D = 2°23'37"
T = 611.55'
L = 1197.50'
R = 2393.83'
LCH=1185.05'
LC8=N54°17'01"E

LOCATION MAP
R-19-E



NOT TO SCALE

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
HONEY CREEK ROAD	ROCHESTER BOOK C, SURVEY NO. 9	66'	1852

GN

SCALE, FEET 0 100 200

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 3/18/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 3/18/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\1300D9D1\RW\D404D9_RP.DWG
APPRAISAL PLAT DATE : AUGUST 12, 2020
PLOT DATE : 3/18/2021 1:48 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.09

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.10

THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, ALSO, THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 20, ALL IN TOWNSHIP 4 NORTH, RANGE 19 EAST IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

TD PRDPERLY ESTABLISH, LAY DUT, WIDEN, ENLARGE, EXTEND, CDNSTRUCT, RECONSTRUCT, IMPRDVE, OR MAINTAIN A PORTION DF THE HIGHWAY DESIGNATED ABDVE, THE STATE DF WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DEEMS IT NECESSARY TD RELDCATE OR CHANGE SAID HIGHWAY AND ACDUIRE CERTAIN LANDS AND INTERESTS DR RIGHTS IN LANDS FDR THE ABDVE PRDJECT.

TD EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTIDN 84.D2 (3), 84.D9, AND 84.3D, WISCDNSIN STATUTES, THE DEPARTMENT DF TRANSPORTATION HEREBY DRDERS THAT:

1. THAT PDRTION DF SAID HIGHWAY AS SHDWN DN THIS PLAT IS LAID DUT AND ESTABLISHED TD THE LINES AND WIDTHS AS SD SHDWN FDR THE ABDVE PRDJECT.
2. THE LANDS DR INTERESTS DR RIGHTS IN LANDS AS SHDWN DN THIS PLAT ARE REDUIRED BY THE DEPARTMENT FOR THE ABDVE PROJECT ANO SHALL BE ACDUIRED IN THE NAME DF THE STATE DF WISCDNSIN, PURSUANT TD THE PRDVISIDNS DF SECTIDN 84.D9 (1) OR (2), WISCONSIN STATUTES.

Document # **2586270**
RACINE COUNTY REGISTER OF DEEDS
March 29, 2021 2:30 PM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WsDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.10
AMENDMENT NO:___

NOTES:

PDSITIDNS SHDWN DN THIS PLAT ARE WISCDNSIN CDDRDINATE REFERENCE SYSTEM CDDRDINATES (WISCRS), RACINE CDUNTY, NAD83 (2DD7) IN US SURVEY FEET. VALUES SHDWN ARE GRID CDDRDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GRDUND DISTANCES.

ALL NEW RIGHT-DF-WAY MDNUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRDN REBARS) UNLESS DTHERWISE NDTED, AND WILL BE PLACED PRIDR TO THE CDMPLETIDN DF THE PROJECT.

FDR THE LATEST ACCESS/DRIVEWAY INFDRMATIDN, CDNTACT THE PLANNING UNIT DF THE WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DFFICE IN WAUKESHA.

FDR ADDITIDNAL INFDRMATIDN, SEE SHEET 2 DF 2 DF TRANSPDRTATIDN PRDJECT PLAT 13DD-D9-21 4.D1 RECDRDED AS DDCUMENT NUMBER 258D432.

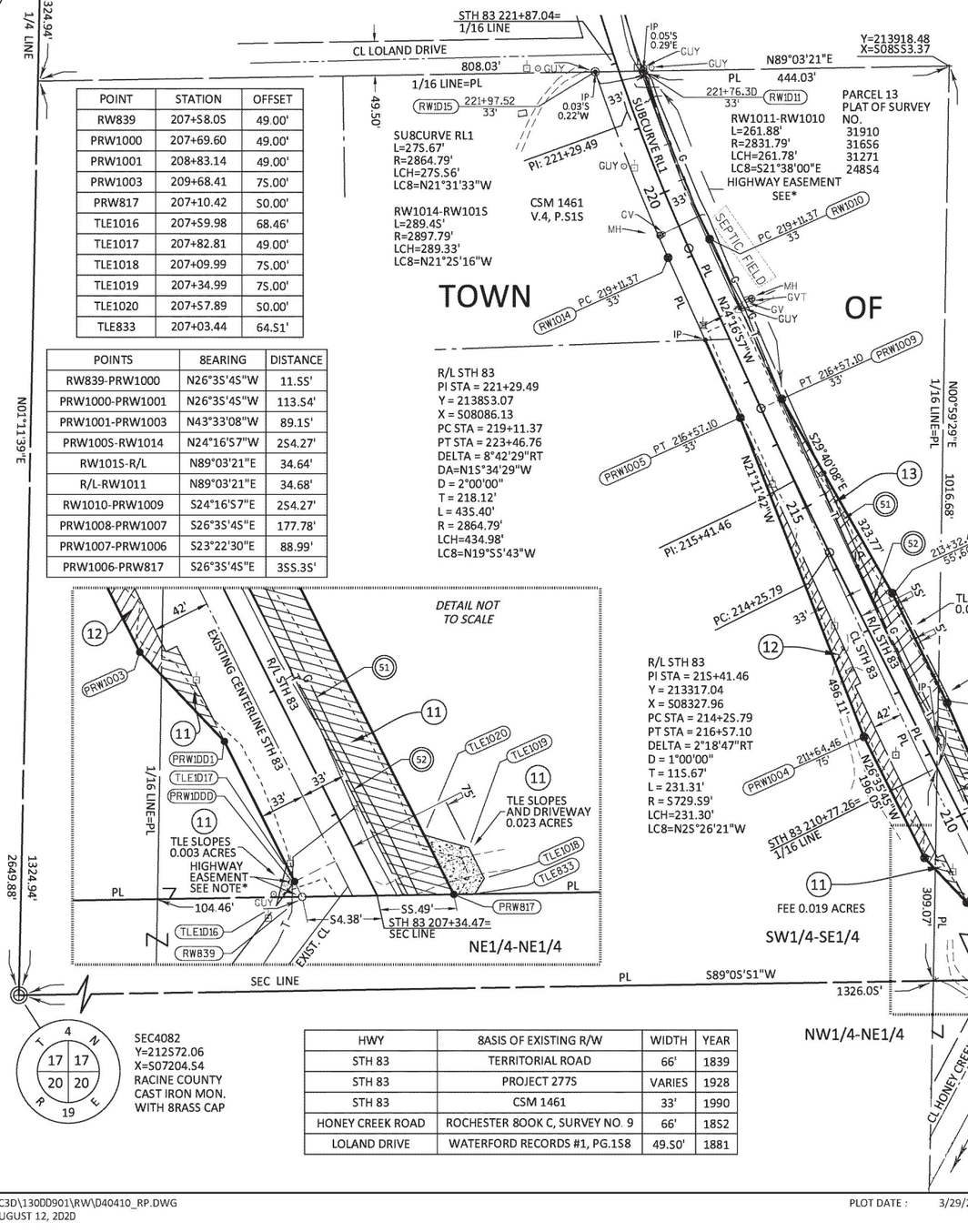
SEC4069
Y=21S221.36
X=S072S9.76
RACINE COUNTY CAST IRON MON. WITH 8RASS CAP

T 4 N
17 17
17 17
R 19 E

1324.94' 1/4 LINE

POINT	STATION	OFFSET
RW839	207+S8.0S	49.00'
PRW1000	207+69.60	49.00'
PRW1001	208+83.14	49.00'
PRW1003	209+68.41	7S.00'
PRW817	207+10.42	S0.00'
TLE1016	207+S9.98	68.46'
TLE1017	207+82.81	49.00'
TLE1018	207+09.99	7S.00'
TLE1019	207+34.99	7S.00'
TLE1020	207+S7.89	S0.00'
TLE833	207+03.44	64.S1'

POINTS	8EARING	DISTANCE
RW839-PRW1000	N26°3S'4S"W	11.SS'
PRW1000-PRW1001	N26°3S'4S"W	113.S4'
PRW1001-PRW1003	N43°33'08"W	89.1S'
PRW1003S-RW1014	N24°16'S7"W	2S4.27'
RW101S-R/L	N89°03'21"E	34.64'
R/L-RW1011	N89°03'21"E	34.68'
RW1010-PRW1009	S24°16'S7"E	2S4.27'
PRW1008-PRW1007	S26°3S'4S"E	177.78'
PRW1007-PRW1006	S23°22'30"E	88.99'
PRW1006-PRW817	S26°3S'45"E	3SS.3S'



HWY	8ASIS OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 277S	VARIES	1928
STH 83	CSM 1461	33'	1990
HONEY CREEK ROAD	ROCHESTER 8OOK C, SURVEY NO. 9	66'	1852
LOLAND DRIVE	WATERFORD RECORDS #1, PG.158	49.50'	1881

SEC4082
Y=212S72.06
X=S07204.S4
RACINE COUNTY CAST IRON MON. WITH 8RASS CAP

T 4 N
17 17
20 20
R 19 E

SEC4083
Y=212613.82
X=S098S6.32
RACINE COUNTY CAST IRON MON. WITH 8RASS CAP

T 4 N
17 16
20 21
R 19 E

51 DOC. 1098860 V.1636, P.739 PCL. 11

DOC. ~~1097794~~ 1097994 V.1635, P.S30 PCL. 13

Doc. 2608101 AOC Order 10/06/2021

~~52 NO RECORDED EASEMENT PCL. 11 & 13~~

Doc. 2608102 Vac. Order 10/06/2021

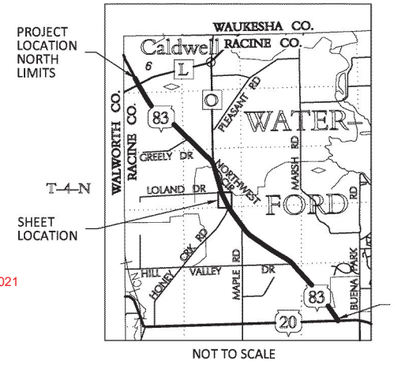
SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
11	W. JAMES AND PAMILA A. SCHMIDT	FEE,TLE	0.345	0.441	0.786	0.030	
12	DALE B. AND KATHY L. HIMEBAUCH	FEE	0.226	0.629	0.855		
13	MICHAEL AND LINDA M. STEFANICH	FEE,TLE	0.253	0.437	0.690	0.017	
UTILITY NUMBER		INTEREST REQUIRED					
51	WE ENERGIES GAS	ROR					
~~52~~	~~TDS TELECOM~~	ROR					

*= HIGHWAY EASEMENT TO REMAIN AND IS NOT INCLUDED IN EXISTING RIGHT OF WAY REQUIRED ACREAGE.

LOCATION MAP
R-19-E



GN

SCALE, FEET 0 100 200

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Walter C. Zendek DATE: 3/22/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L Duffeck DATE: 3/22/21
PRINT NAME: ROBERT L. DUFFECK

THIS IS A COPY. ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

FILE NAME : N:\PDS\C3D\130DD901\RW\D40410_RP.DWG
APPRAISAL PLAT DATE : AUGUST 12, 2D2D
PLOT DATE : 3/29/2021 1:13 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.10

Document # **2608101**
RACINE COUNTY REGISTER OF DEEDS
October 06, 2021 3:17 PM

Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

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Pages: 1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT1590 7/2016 s. 84.095(3)(b) Wis. Stats.
Exempt from filing transfer return form [s. 77.21(1), 77.22(1), Wis. Stats.]

This Affidavit of Correction applies to Transportation Project Plat 1300-09-21 -4.10, recorded on March 29, 2021 as Document 2586270 in the Office of the Register of Deeds for Racine County and is described as follows:

In the list of easement documents for Utility Number 51, located to the left of the Location Map, the document that reads:

DOC. 1097794
V.1635, P.530
PCL. 13

Is incorrect and should read:

DOC. 1097994
V.1635, P.530
PCL. 13

This space is reserved for recording data
Return to

Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number
016-04-19-17-018-020

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Walter C. Zendek
(Signature)

Walter C. Zendek
(Print Name)

Right of Way Plat Designer
(Title)

Subscribed and sworn to before me this date.

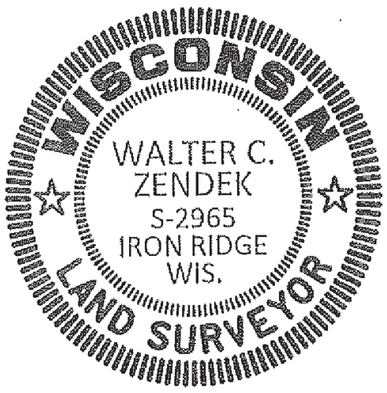
10-6-21
(Date)

State of Wisconsin)
) ss.
Waukesha County)

James A Cox
(Signature, Notary Public, State of Wisconsin)

James A Cox
(Print or Type Name, Notary Public, State of Wisconsin)

10-3-25
(Date Commission Expires)



JAMES A COX
Notary Public
State of Wisconsin

Project ID 1300-09-21 This Instrument was drafted by Walter C. Zendek Utility Number 51

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

Document # **2608102**
RACINE COUNTY REGISTER OF DEEDS
October 06, 2021 3:18 PM

Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

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this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

This Vacation Order applies to Transportation Project Plat 1300-09-21 -4.10, recorded on March 29, 2021 as Document Number 2586270 in the Office of the Register of Deeds for Racine County.

Whereas, utility number 52 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said utility number is vacated and rescinded.

This space is reserved for recording data

Return to
Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number
016-04-19-17-019-000
016-04-19-17-018-020

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Walter C Zendek
(Signature)

10-6-21
(Date – m/d/yyyy)

Walter C. Zendek
(Print Name)

Right of Way Plat Designer
(Title)

State of Wisconsin
Waukesha County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x
(Signature, Notary Public, State of Wisconsin)

James A Cox
(Print or Type Name, Notary Public, State of Wisconsin)

10-3-25
(Date Commission Expires)

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

JAMES A COX
Notary Public
State of Wisconsin

Project ID 1300-09-21

This instrument was drafted by Walter C. Zendek

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.11

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

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

Document # **2606868**
RACINE COUNTY REGISTER OF DEEDS
September 27, 2021 12:16 PM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.11
AMENDMENT NO:___

POINT	STATION	OFFSET
RW1101	23S+48.42	33.00'
RW1102	234+43.S3	33.00'
RW1103	233+4S.S3	S2.91'
RW1104	233+06.01	83.S3'
RW110S	232+S3.83	123.9S'
RW1106	231+83.38	33.00'

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 277S	VARIES	1928
STH 83	DOC. 2S07059	VARIES	2018
LOLAND DRIVE	WATERFORD RECORDS #1, PG.1S8	49.S0'	1881
NORTHWEST CIRCLE	TERRITORIAL ROAD	66'	1839

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

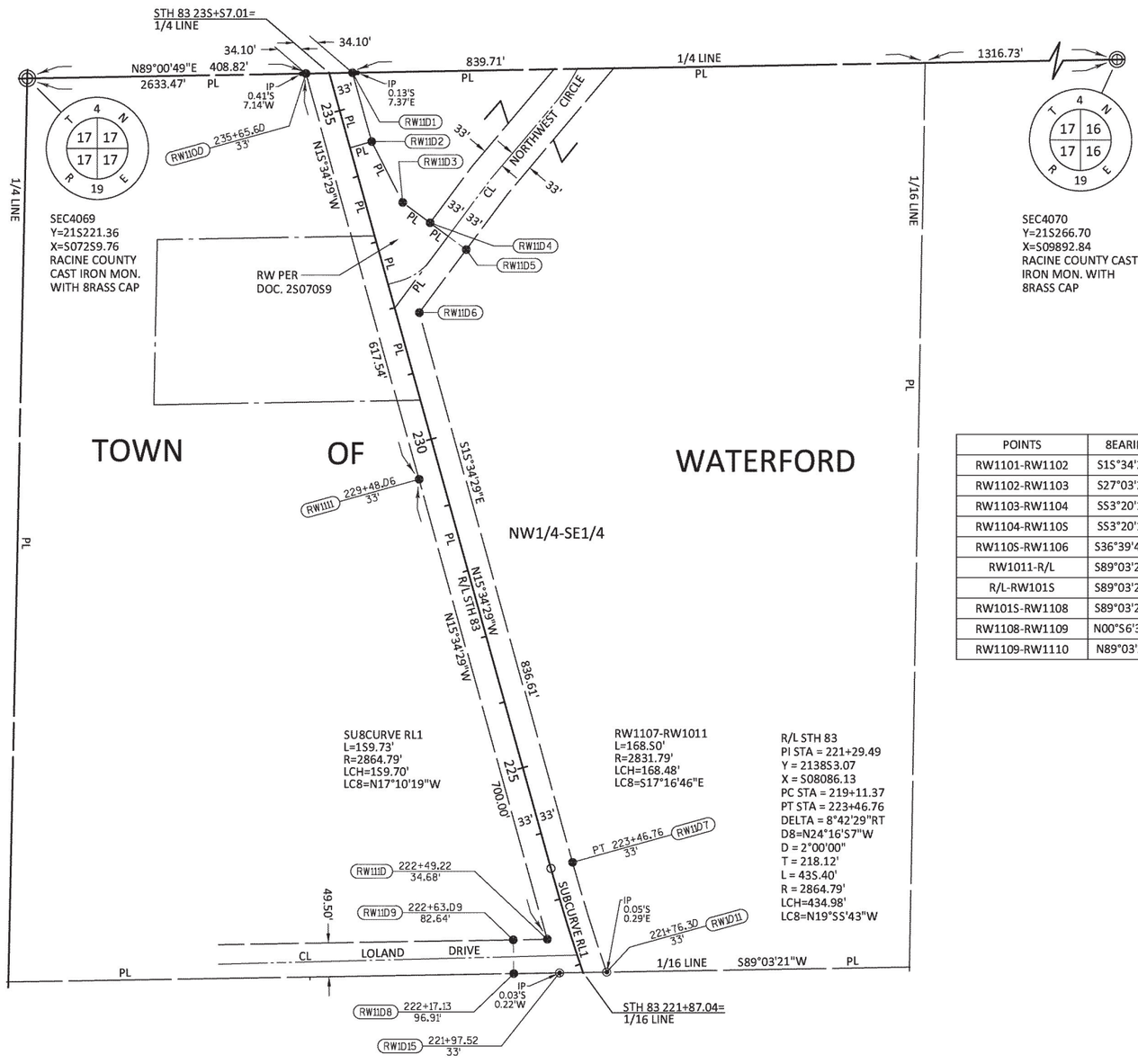
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 13DD-09-21 4.01 RECORDED AS DOCUMENT NUMBER 258D432.

UTILITY INFORMATION IS NOT SHOWN ON THIS PLAT.

THIS IS A COPY, ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.



POINTS	BEARING	DISTANCE
RW1101-RW1102	S1S°34'29"E	104.89'
RW1102-RW1103	S27°03'24"E	100.00'
RW1103-RW1104	SS3°20'19"E	S0.00'
RW1104-RW110S	SS3°20'19"E	66.00'
RW110S-RW1106	S36°39'41"W	11S.04'
RW1011-R/L	S89°03'21"W	34.68'
R/L-RW101S	S89°03'21"W	34.64'
RW101S-RW1108	S89°03'21"W	66.98'
RW1108-RW1109	N00°S6'39"W	49.S0'
RW1109-RW1110	N89°03'21"E	S0.00'

LOCATION MAP
R-19-E

NOT TO SCALE

GN

SCALE, FEET 0 100 200

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 9/24/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L Duffeck DATE: 9/24/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\130DD901\RW\D40411_RP.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 9/27/2021 7:32 AM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.11

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.12

THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 17, ALL IN TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE 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 PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document # **2586295**
RACINE COUNTY REGISTER OF DEEDS
March 29, 2021 3:17 PM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

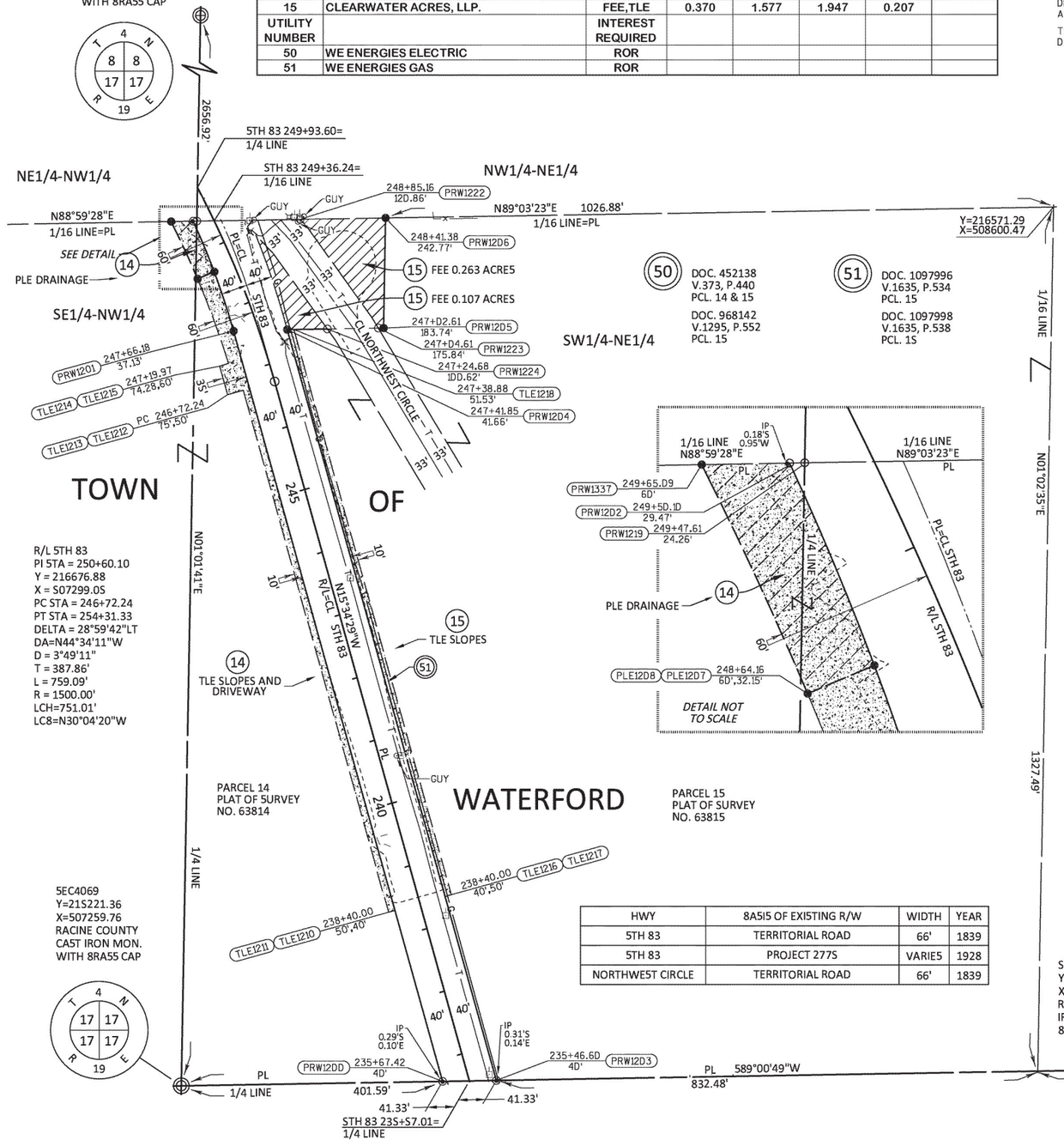
The above recording information verifies this document has been electronically recorded
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Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.12
AMENDMENT NO:___

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
14	JOHN RADI	FEE,PLE,TLE	0.000	1.264	1.264	0.306	0.061
15	CLEARWATER ACRES, LLP.	FEE,TLE	0.370	1.577	1.947	0.207	
UTILITY NUMBER		INTEREST REQUIRED					
50	WE ENERGIES ELECTRIC	ROR					
51	WE ENERGIES GAS	ROR					



HWY	8A5I5 OF EXISTING R/W	WIDTH	YEAR
5TH 83	TERRITORIAL ROAD	66'	1839
5TH 83	PROJECT 277S	VARIE5	1928
NORTHWE5T CIRCLE	TERRITORIAL ROAD	66'	1839

POINT5	8EARING	DI5TANCE
PRW1200-PRW1201	N15°34'29"W	1196.38'
PRW1202-PRW1219	N88°59'28"E	5.76'
PRW1219-R/L	N89°03'23"E	26.75'
R/L-PRW1222	N89°03'23"E	132.01'
PRW1222-PRW1206	N89°03'23"E	131.41'
PRW1206-PRW1205	501°01'41"W	169.07'
PRW1205-PRW1223	589°03'23"W	8.22'
PRW1223-PRW1224	589°03'23"W	78.34'
PRW1224-PRW1204	589°03'23"W	61.6S'
PRW1204-PRW1203	515°34'29"E	1197.16'
5EC4069-PRW1219	N01°01'41"E	1328.46'
PRW1219-R/L	N01°01'41"E	S1.67'
R/L-5EC4056	N01°01'41"E	1276.79'
PRW1337-PRW1202	N88°59'28"E	S1.67'
PLE1207-PLE1208	567°05'40"W	27.8S'

STATION	L	R	LCH	LC8
246+72.24-249+93.60	321.36'	1500.00'	320.75'	N21°42'44"W
246+72.24-249+36.24	264.00'	1500.00'	263.66'	N20°37'00"W
249+36.24-249+93.60	57.36'	1500.00'	57.36'	N26°45'16"W
POINTS	L	R	LCH	LC8
PRW1201-PLE1207	95.86'	1105.92'	95.83'	N18°03'28"W
PLE1207-PRW1202	84.23'	1105.92'	84.21'	N22°43'22"W
PRW1201-PRW1202	180.09'	1105.92'	179.90'	N20°14'23"W
PLE1208-PRW1337	96.89'	1440.00'	96.87'	N24°49'59"W

NOTES:

PDSITIDNS SHDWN DN THIS PLAT ARE WISCDNSIN CDDRDINATE REFERENCE SYSTEM CDDRDINATES (WISCRS), RACINE CDUNTY, NAD83 (2DD7) IN US SURVEY FEET. VALUES SHDWN ARE GRID CDDRDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GRDUND DISTANCES.

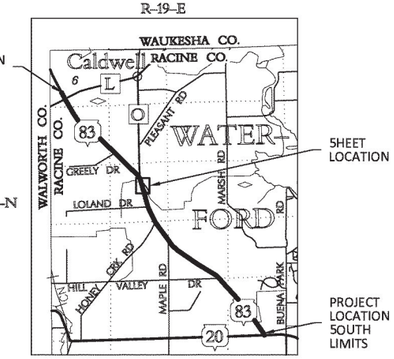
ALL NEW RIGHT-DF-WAY MDNUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRDN REBARS) UNLESS DTHERWISE NDTED, AND WILL BE PLACED PRIDR TD THE CDMPLETIDN DF THE PRDJECT.

FDR THE LATEST ACCESS/DRIVEWAY INFDRMATIDN, CDNTACT THE PLANNING UNIT DF THE WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DFFICE IN WAUKESHA.

FDR ADDITIDNAL INFDRMATIDN, SEE SHEET 2 DF 2 DF TRANSPDRTATIDN PRDJECT PLAT 13DD-D9-21 4.D1 RECDRDED AS DDCUMENT NUMBER 258D432.

THIS IS A COPY. ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

LOCATION MAP
R-19-E



NOT TO SCALE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 3/29/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L Duffeck DATE: 3/29/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\130DD901\RW\D40412_RP.DWG
APPRAISAL PLAT DATE : OCTOBER 1, 2D2D
PLOT DATE : 3/29/2021 1:54 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.12

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.13

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 AND PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 17, TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

TO PRDPERLY ESTABLISH, LAY OUT, WIOEN, ENLARGE, EXTENO, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABDVE, THE STATE OF WISCONSIN OEPARTMENT OF TRANSPORTATION OEEMS IT NECESSARY TO RELOCATE DR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANOS ANO INTERESTS OR RIGHTS IN LANOS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNOER SECTION 84.02 (3), 84.09, AND 84.3D, WISCDNSIN STATUTES, THE OEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT ANO ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS DR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE OEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) DR (2), WISCDNSIN STATUTES.

THIS IS A COPY. ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

Document # 2591417
RACINE COUNTY REGISTER OF DEEDS
May 12, 2021 9:01 AM
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.13
AMENDMENT NO:___
SHEET 1 OF 2

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 13DD-09-21 4.D1 RECORDED AS DOCUMENT NUMBER 2588432.

FOR ADDITIONAL DETAIL VIEWS, SEE SHEET 2 OF 2 OF THIS DOCUMENT.

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
16	SCHULTZ FARMS, INC.	FEE	0.636	1.565	2.201		
17	LANCE S. POLTROCK	TLE	0.000	0.000	0.000	0.134	
18	TOWN OF WATERFORD	FEE,TLE	0.553	1.180	1.733	0.149	
115	CLEARWATER ACRES, LLP.	FEE,TLE	0.001	0.000	0.001	0.250	
UTILITY NUMBER		INTEREST REQUIRED					
50	WE ENERGIES ELECTRIC	ROR					
51	WE ENERGIES GAS	ROR					
~~52~~	~~TDS TELECOM~~	~~ROR~~					

SEC40SS
Y=217825.23
X=504646.11
RACINE COUNTY
CAST IRON MON.
WITH BRASS CAP

SEC40S6
Y=217877.85
X=507307.43
RACINE COUNTY
CAST IRON MON.
WITH BRASS CAP

SEC4069
Y=215221.36
X=507259.76
RACINE COUNTY
CAST IRON MON.
WITH BRASS CAP

TOWN OF WATERFORD

LOCATION MAP
R-19-E
T-4-N

PROJECT LOCATION NORTH LIMITS
PROJECT LOCATION SOUTH LIMITS
SHEET LOCATION
NOT TO SCALE

R/L STH 83
PI STA = 250+60.10
Y = 216676.88
X = 507299.05
PC STA = 246+72.24
PT STA = 254+31.33
DELTA = 28°59'42"LT
D=N15°34'29"W
D = 3°49'11"
T = 387.86'
L = 759.09'
R = 1500.00'
LCH=751.01'
LCB=N30°04'20"W

R/L CTH O
PI STA = 652+75.01A
Y = 217056.29
X = 507305.44
PC STA = 651+42.36A
PT STA = 653+91.39A
DELTA = 48°51'45"LT
DB=N49°14'26"E
DA=N00°22'41"E
D = 19°37'19"
T = 132.65'
L = 249.02'
R = 292.00'
LCH=241.54'
LC8=N24°48'33"E

POINT	STATION	OFFSET
RW1338	261+58.86	33.00'
RW1310	261+48.86	33.00'
RW1332	261+48.86	53.00'
PRW1309	257+57.33	53.00'
PRW1308	254+37.20	53.00'
PRW1307	253+58.96	82.36'
PRW1333	651+42.36A	33.00'
PRW1306	653+01.65A	33.00'
PRW1305	654+51.38A	43.57'
RW1339	655+50.00A	42.45'
RW1304	655+50.00A	23.56'
RW1340	250+46.83	69.38'
PRW1222	248+85.16	120.86'
PRW1221	249+46.80	22.54'
PRW1220	249+51.19	22.45'
PRW1219	249+47.61	24.26'
PRW1202	249+50.10	29.47'
PRW1337	249+65.09	60.00'
TLE1329	257+57.33	63.00'
TLE1328	254+08.30	63.18'
TLE1327	653+96.39A	44.19'
TLE1326	653+96.39A	64.19'
TLE1325	654+51.38A	63.57'
TLE1324	655+50.00A	38.56'
TLE1323	651+79.29A	156.60'
TLE1322	651+48.23A	190.58'
TLE1321	650+98.57A	29.89'
TLE1320	250+45.23	138.27'
TLE1319	249+68.34	91.65'

POINTS	8EARING	DISTANCE
RW1313-RW1312	S45°24'17"E	138.65'
RW1312-RW1311	S44°35'43"W	10.00'
RW1311-RW1338	S45°24'17"E	365.24'
RW1338-RW1310	S44°34'11"E	10.24'
RW1310-RW1332	N45°25'49"E	20.00'
RW1332-PRW1309	S44°34'11"E	391.53'
PRW1309-PRW1308	S44°34'11"E	320.13'
PRW1308-PRW1307	S63°04'49"E	86.67'
PRW1307-PRW1333	N49°14'26"E	60.27'
PRW1306-PRW130S	N01°01'41"E	138.36'
PRW130S-RW1339	N01°01'41"E	98.63'
RW1304-RW1340	S01°01'41"W	665.06'
RW1340-PRW1222	S43°26'49"E	179.37'
PRW1222-R/L	S89°03'23"W	132.01'
R/L-PRW1221	S89°03'23"W	24.86'
PRW1221-PRW1219	S89°03'23"W	1.89'
PRW1219-PRW1202	S88°59'28"W	5.76'
PRW1202-PRW1337	S88°59'28"W	33.81'
SEC4069-PRW1219	N01°01'41"E	1328.46'
PRW1219-PRW1220	N01°01'41"E	3.97'
PRW1220-R/L STH 83	N01°01'41"E	47.70'
R/L STH 83-R/L CTH O	N01°01'41"E	504.34'
R/L CTH O-TIE 6SS+S0A	N01°01'41"E	242.12'
TIE 6SS+S0A-SEC40S6	N01°01'41"E	530.33'

STATION	L	R	LCH	LCB
249+36.24-254+31.33	495.08'	1500.00'	492.84'	N35°06'51"W
249+36.24-249+93.60	57.36'	1500.00'	57.36'	N26°45'16"W
249+36.24-253+27.46	391.22'	1500.00'	390.11'	N33°07'50"W
249+93.60-253+27.46	333.86'	1500.00'	333.17'	N34°13'34"W
249+93.60-254+31.33	437.72'	1500.00'	436.17'	N36°12'35"W
253+27.46-254+31.33	103.86'	1500.00'	103.84'	N42°35'10"W
651+42.36A-651+83.22A	40.85'	292.00'	40.82'	N45°13'57"E
651+83.22A-653+06.71A	123.49'	292.00'	122.57'	N29°06'32"E
653+06.71A-653+91.39A	84.68'	292.00'	84.38'	N08°41'08"E
POINTS	L	R	LCH	LCB
PRW1333-PRW1306	141.28'	2590.00'	139.53'	N33°36'49"E
PRW1337-PRW133S	447.59'	1440.00'	445.79'	N35°39'54"W

HWY	8ASIS OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 2991	VARIES	1930
NORTHWEST CIRCLE	TERRITORIAL ROAD	66'	1839
CTH O	TOWN RECORD 8OOK A, PAGE 154	66'	1851

(52) ~~NO RECORDED EASEMENT PCL. 17 & PCL. 115~~

(51) DOC. 1097995, V.1635, P.532 PCL. 17
DOC. 1097999, V.1635, P.540 PCL. 18
~~DOC. 1097996, V.1635, P.534 PCL. 115~~
~~DOC. 1097998, V.1635, P.538 PCL. 115~~
A.O.C. Doc. 2629456

(50) DOC. 452138, V.373, P.440 PCL. 11S
DOC. 523718, V.461, P.44 PCL. 17 & 11S
DOC. 420946, V.328, P.4 PCL. 16 & 18
DOC. 1925714 PCL. 18
DOC. 2524231 PCL. 11S

Doc. 2608014
Vac. Order 10/06/2021

PARCEL 18 HIGHWAY EASEMENT TO REMAIN. NOT INCLUDED IN EXISTING RW REQUIRED ACREAGE.

PARCEL 18 PLAT OF SURVEY NO. 44476

PLATS OF SURVEY NO. 13505 13506

PARCEL 11S PLAT OF SURVEY NO. 4S397

PARCEL 17 PLATS OF SURVEY NO. 3807 817S1

(18) TLE SLOPES AND DRIVEWAY 0.077 ACRES
(18) TLE DRIVEWAY 0.02S ACRES
(18) TLE SLOPES 0.047 ACRES
(115) TLE SLOPES AND DRIVEWAY
(17) TLE SLOPES AND DRIVEWAY EXCLUDES BUILDING

PROPOSED CL POLTROCK DRIVEWAY
SEE DETAILS ON SHEET 2 OF 2 OF THIS DOCUMENT

CTH O 6SS+S0A= TIE
(52) PED AND LINE
(50) POLE
PT: 6S3+91.39A 11.24' 1/4 LINE TO R/L
CTH O 6S3+06.71A= 1/4 LINE CL CTH O
CTH O 6S1+83.22A= POLTROCK DWY.
STH 83 2S3+27.46= CTH O 6S0+00A
STH 83 249+36.24= 1/16 LINE
PI: 6S6+91.33A Y=217488.87 X=507308.29 DELTA=00°41'19" LT
PI: 261+58.86 Y=217471.48 X=506516.30 DELTA=00°50'06" LT

CL CTH O TO BE CLOSED
CL NORTHWEST CIRCLE TO BE CLOSED
CL NORTHWEST CIRCLE

ACCESS EASEMENT PER DOC. 1865779

NW1/4-NE1/4
NE1/4-NW1/4

GN

SCALE, FEET 0 100 200

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 5/11/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 5/11/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\13000901\RW\040413_RP.DWG
APPRAISAL PLAT DATE : OCTOBER 1, 2020
PLOT DATE : 5/11/2021 1:21 PM PLOT BY : ZENDEK, WALTER C PLOT NAME : PLOT SCALE : ##########
CONST. I.D. 1300-09-70 1300-09-21 4.13

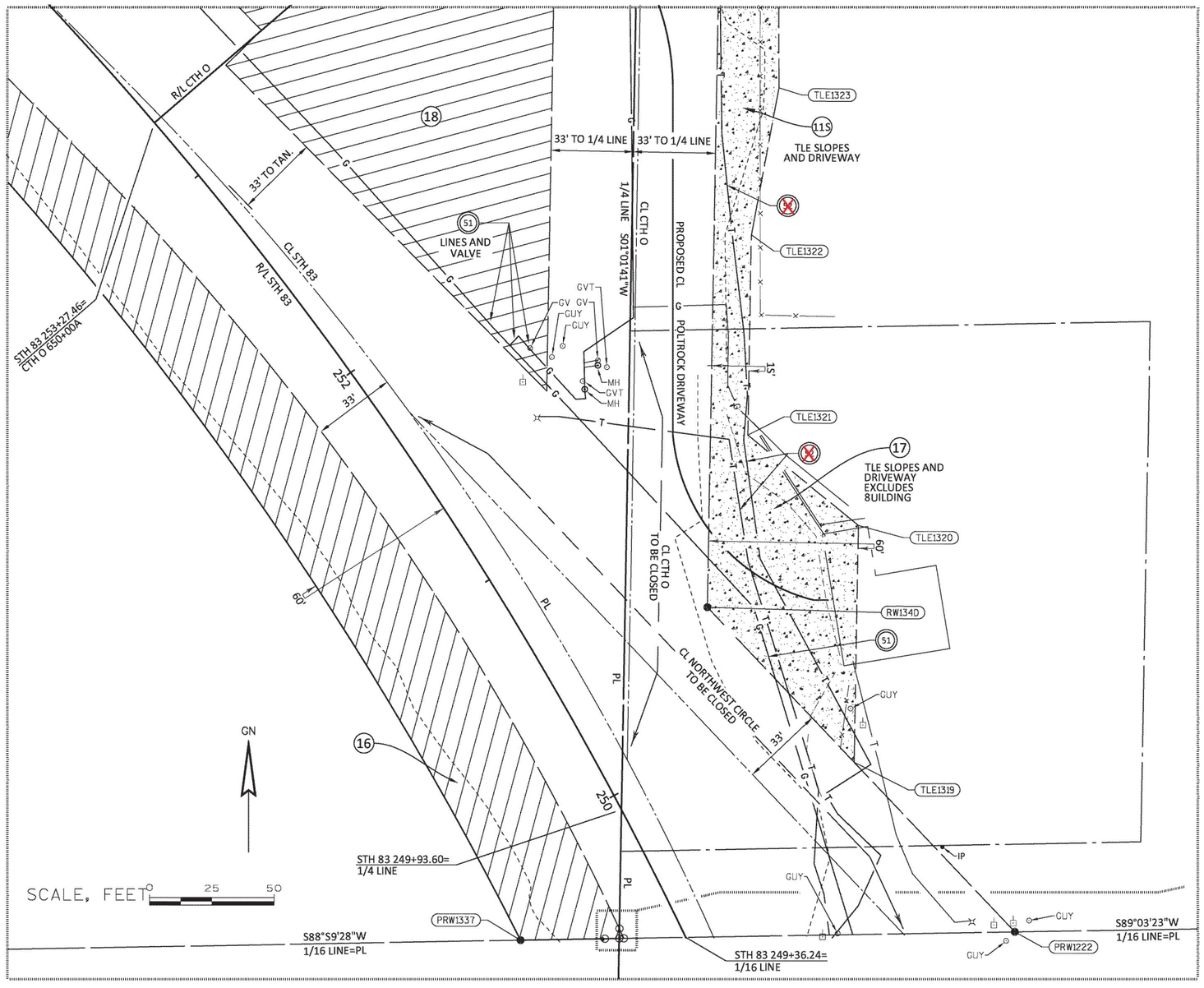
TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.13
SHEET 2 OF 2 (EXTENSION SHEET)

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 AND PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 17, TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

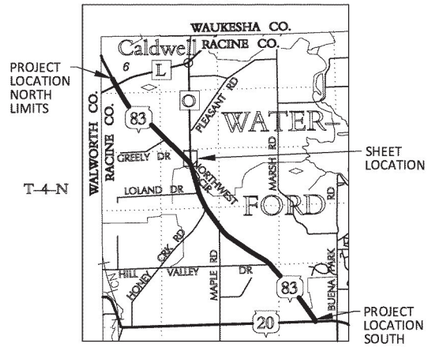
RELOCATION ORDER NORTHWEST HICHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 1300-09-21 4.D1 RECORDED AS DOCUMENT NUMBER 2580432.

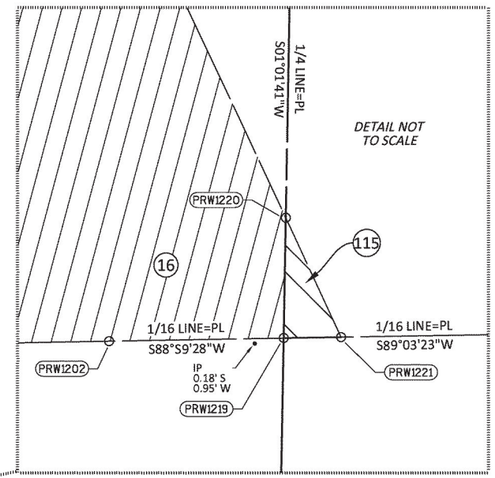
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LOCATION MAP
R-19-E



NOT TO SCALE



FILE NAME : N:\PDS\C3D\13000901\RW\040413_RP EXT.DWG
APPRAISAL PLAT DATE : OCTOBER 1, 2020
PLOT DATE : 5/11/2021 1:24 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.13

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

Document # **2608014**
RACINE COUNTY REGISTER OF DEEDS
October 06, 2021 12:03 PM

Karie Y. Pope

KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

This Vacation Order applies to Transportation Project Plat 1300-09-21 -4.13, recorded on May 12, 2021 as Document Number 2591417 in the Office of the Register of Deeds for Racine County.

Whereas, utility number 52 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said utility number is vacated and rescinded.

This space is reserved for recording data

Return to
Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Walter C Zendek
(Signature)

10-6-21
(Date – m/d/yyyy)

Walter C. Zendek
(Print Name)

Right of Way Plat Designer
(Title)

State of Wisconsin
Waukesha County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x James A Cox
(Signature, Notary Public, State of Wisconsin)

James A Cox
(Print or Type Name, Notary Public, State of Wisconsin)

10-3-25
(Date Commission Expires)

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

JAMES A COX
Notary Public
State of Wisconsin

Project ID 1300-09-21

This instrument was drafted by Walter C. Zendek

Document # **2624956**
RACINE COUNTY REGISTER OF DEEDS
March 30, 2022 3:14 PM

Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $30.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
DT1590 7/2016 s. 84.095(3)(b) Wis. Stats.
Exempt from filing transfer return form [s. 77.21(1), 77.22(1), Wis. Stats.]

This Affidavit of Correction applies to Transportation Project Plat 1300-09-21 -4.13, recorded on May 12, 2021 as Document 2591417 in the Office of the Register of Deeds for Racine County and is described as follows:

On the left center of the sheet, the easement list for Utility Number 51 is incorrectly shown as:

51

DOC. 1097995, V.1635, P.532
PCL. 17

DOC. 1097999, V.1635, P.540
PCL. 18

DOC. 1097996, V.1635, P.534
PCL. 115

DOC. 1097998, V.1635, P.538
PCL. 115

And should be correctly shown as:

51

DOC. 1097995, V.1635, P.532
PCL. 17

DOC. 1097999, V.1635, P.540
PCL. 18

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
Walter C. Zendek
141 NW Barstow St.
Waukesha Wi. 53187

Parcel Identification Number/Tax Key Number
016-04-19-17-001-000

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Walter C. Zendek
(Signature)

Walter C. Zendek
(Print Name)

Right of Way Plat Designer
(Title)

WISCONSIN
WALTER C.
ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

Subscribed and sworn to before me this date.

3/30/22
(Date)

State of Wisconsin)
) ss.
Waukesha County)

(Signature, Notary Public, State of Wisconsin)

James A. Cox
(Print or Type Name, Notary Public, State of Wisconsin)

10-3-25
(Date Commission Expires)

JAMES A COX
Notary Public
State of Wisconsin

Project ID 1300-09-21 This instrument was drafted by Walter C. Zendek Utility Number 51

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.14

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, AND THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 8, ALL IN TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

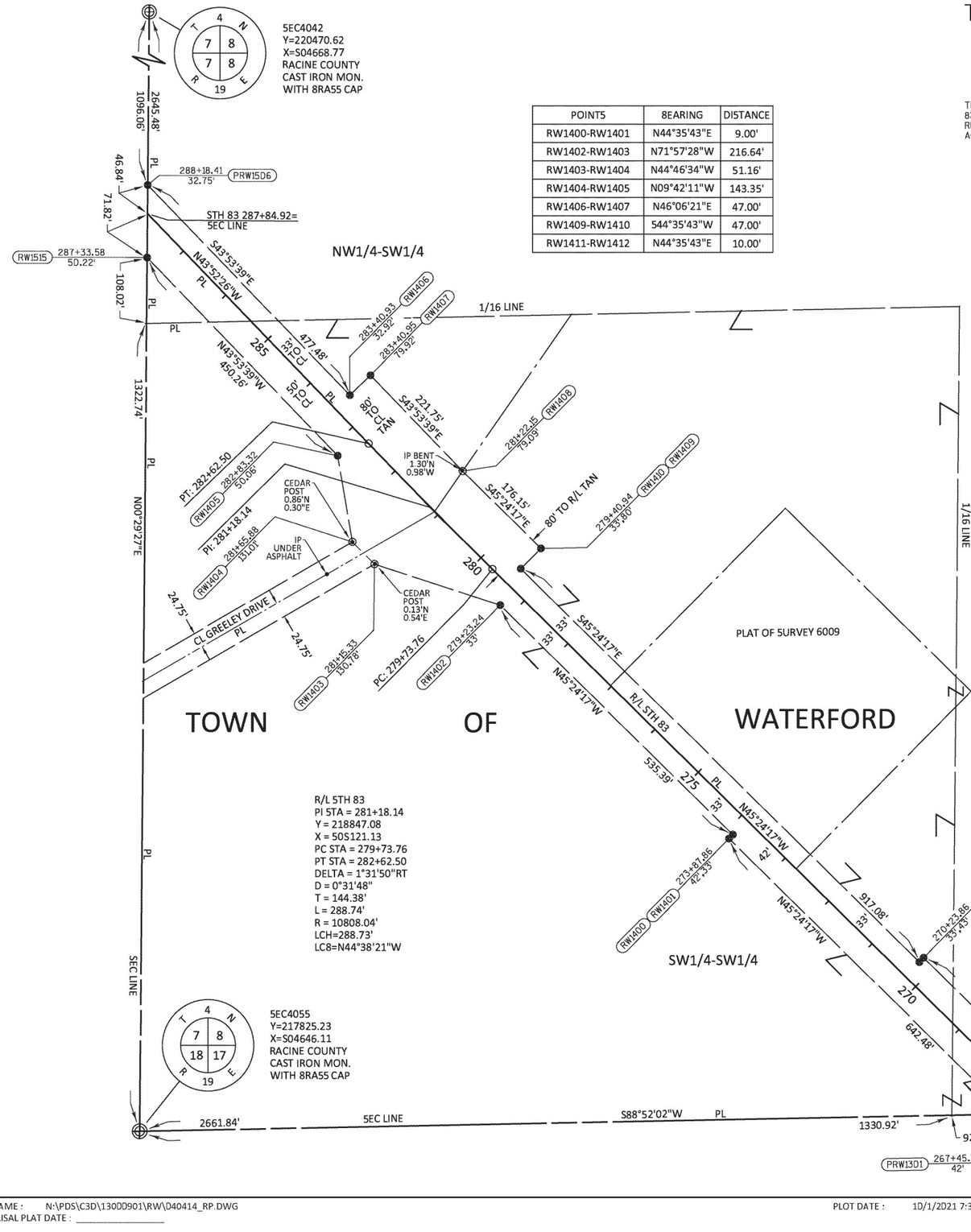
NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

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

Document # **2607468**
RACINE COUNTY REGISTER OF DEEDS
October 01, 2021 3:19 PM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.14
AMENDMENT NO:___



THIS IS A COPY, ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

POINTS	BEARING	DISTANCE
RW1400-RW1401	N44°35'43"E	9.00'
RW1402-RW1403	N71°57'28"W	216.64'
RW1403-RW1404	N44°46'34"W	51.16'
RW1404-RW1405	N09°42'11"W	143.35'
RW1406-RW1407	N46°06'21"E	47.00'
RW1409-RW1410	S44°35'43"W	47.00'
RW1411-RW1412	N44°35'43"E	10.00'

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

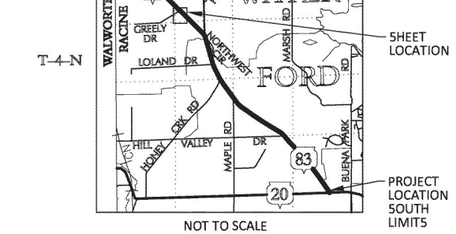
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 1300-09-21 4.01 RECORDED AS DOCUMENT NUMBER 2580432.

UTILITY INFORMATION IS NOT SHOWN ON THIS PLAT.

LOCATION MAP
R-19-E



NOT TO SCALE

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
5TH 83	TERRITORIAL ROAD	66'	1839
5TH 83	PROJECT 2991	VARIES	1930
GREELEY DRIVE	ROCHESTER BOOK A, PAGE 207	49.50'	1853
GREELEY DRIVE	PROJECT T0480(3)	VARIES	1956

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 9/28/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L Duffeck DATE: 9/28/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\130DD901\RW\D40414_RP.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 10/1/2021 7:33 AM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########

CONST. I.D. 1300-09-70
1300-09-21 4.14

NOTES:

PDSITIDNS SHDWN DN THIS PLAT ARE WISCDNSIN CDDRDINATE REFERENCE SYSTEM CDDRDINATES (WISCRS), RACINE CDUNTY, NAD83 (2DD7) IN US SURVEY FEET. VALUES SHDWN ARE GRID CDDRDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GRDUND DISTANCES.

ALL NEW RIGHT-DF-WAY MDNUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRDN REBARS) UNLESS DTHERWISE NDTED, AND WILL BE PLACED PRIDR TD THE CDMPLETIDN DF THE PRDJECT.

FDR THE LATEST ACCESS/DRIVEWAY INFDRMATIDN, CDNTACT THE PLANNING UNIT DF THE WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DFFICE IN WAUKESHA.

FDR ADDITIDNAL INFDRMATIDN, SEE SHEET 2 DF 2 DF TRANSPDRTATIDN PRDJECT PLAT 13DD-09-21 4.D1 RECDRDED AS DDCUMENT NUMBER 258D432.

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.15

THAT PART OF PARCEL 1 OF CSM 2144 LOCATED IN THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, ALSO PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALL IN SECTION 7, TOWNSHIP 4 NORTH, RANGE 19 EAST IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

TD PRDPERLY ESTABLISH, LAY DUT, WIDEN, ENLARGE, EXTEND, CDNSTRUCT, RECONSTRUCT, IMPRDVE, DR MAINTAIN A PDRTIDN DF THE HIGHWAY DESIGNATED ABDVE, THE STATE DF WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DEEMS IT NECESSARY TO RELDCATE DR CHANGE SAID HIGHWAY AND ACDUIRE CERTAIN LANDS AND INTERESTS DR RIGHTS IN LANDS FDR THE ABDVE PRDJECT.

TD EFFECT THIS CHANGE, PURSUANT TD AUTHDRITY GRANTED UNDER SECTIDN 84.D2 (3), 84.D9, AND 84.3D, WISCDNSIN STATUTES, THE DEPARTMENT DF TRANSPDRTATIDN HEREBY DRDERS THAT:

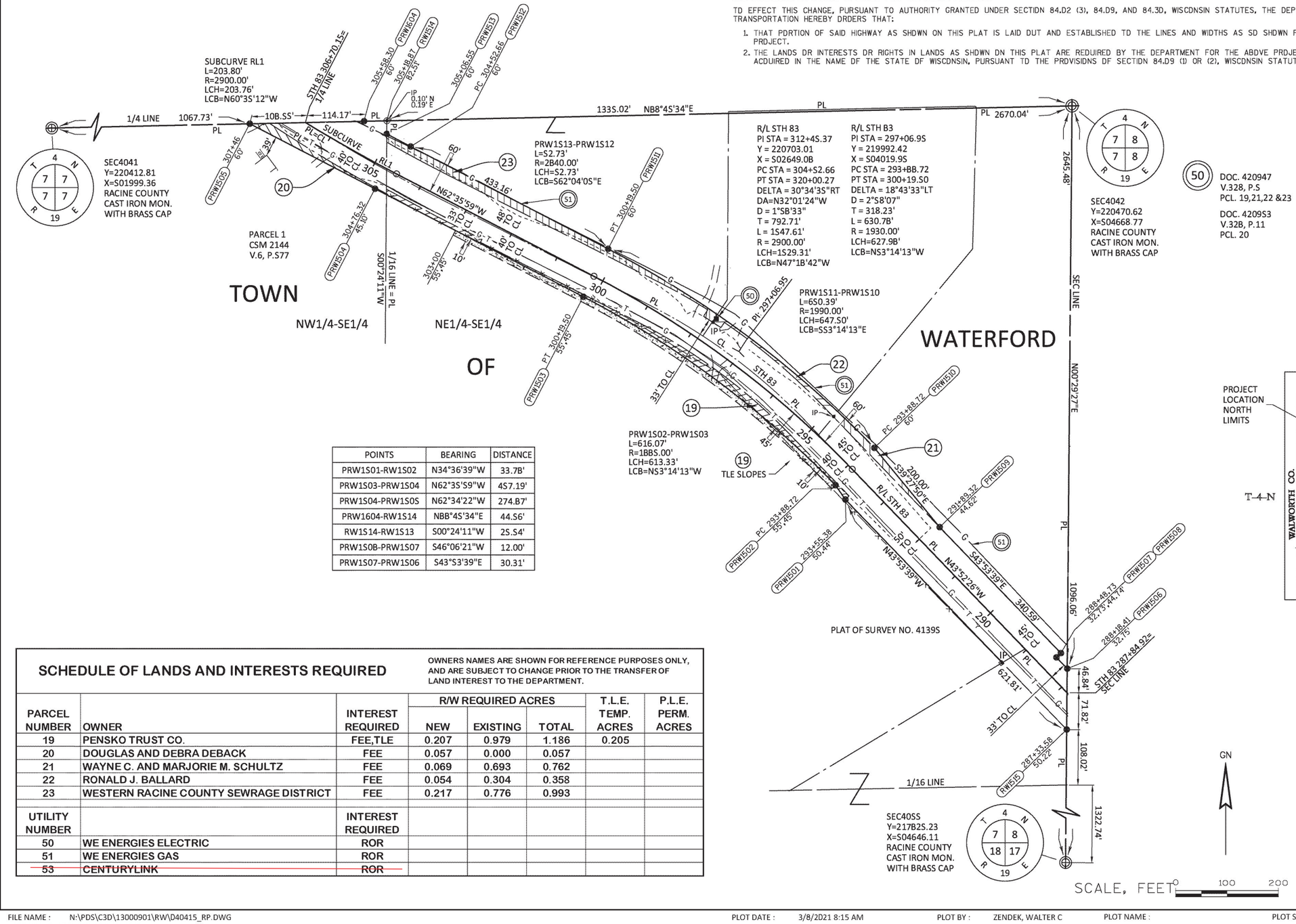
1. THAT PDRTIDN DF SAID HIGHWAY AS SHDWN DN THIS PLAT IS LAID DUT AND ESTABLISHED TD THE LINES AND WIDTHS AS SD SHDWN FDR THE ABDVE PRDJECT.
2. THE LANDS DR INTERESTS DR RIGHTS IN LANDS AS SHDWN DN THIS PLAT ARE REDUIRED BY THE DEPARTMENT FOR THE ABDVE PRDJECT AND SHALL BE ACDUIRED IN THE NAME DF THE STATE DF WISCDNSIN, PURSUANT TD THE PRDVISIDNS DF SECTIDN 84.D9 (1) DR (2), WISCDNSIN STATUTES.

Document # **2583614**
RACINE COUNTY REGISTER OF DEEDS
March 08, 2021 11:17 AM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $75.00

The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.15
AMENDMENT NO:___

THIS IS A COPY. ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.



POINTS	BEARING	DISTANCE
PRW1S01-RW1S02	N34°36'39"W	33.7B'
PRW1S03-PRW1S04	N62°3S'S9"W	4S7.19'
PRW1S04-PRW1S0S	N62°34'22"W	274.B7'
PRW1604-RW1S14	NBB°4S'34"E	44.S6'
RW1S14-RW1S13	S00°24'11"W	2S.S4'
PRW1S0B-PRW1S07	S46°06'21"W	12.00'
PRW1S07-PRW1S06	S43°S3'39"E	30.31'

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
19	PENSKO TRUST CO.	FEE,TLE	0.207	0.979	1.186	0.205	
20	DOUGLAS AND DEBRA DEBACK	FEE	0.057	0.000	0.057		
21	WAYNE C. AND MARJORIE M. SCHULTZ	FEE	0.069	0.693	0.762		
22	RONALD J. BALLARD	FEE	0.054	0.304	0.358		
23	WESTERN RACINE COUNTY SEWRAGE DISTRICT	FEE	0.217	0.776	0.993		
UTILITY NUMBER		INTEREST REQUIRED					
50	WE ENERGIES ELECTRIC	ROR					
51	WE ENERGIES GAS	ROR					
~~53~~	~~CENTURYLINK~~	ROR					

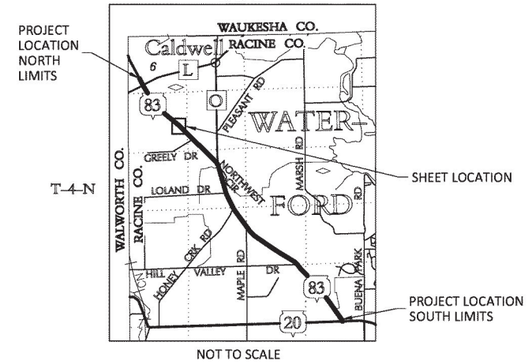
50 DOC. 420947
V.328, P.S
PCL. 19,21,22 &23

DOC. 4209S3
V.32B, P.11
PCL. 20

51 DOC. 1102701
V.1642, P.S1S
PCL. ~~20~~,21,22&23
Doc. 2608103
AOC Order 10/06/2021

~~53~~ ~~DOC. 959017~~
~~V.1271, P.574~~
~~PCL. 20~~
Doc. 2618054
Vac. Order 1/12/22

LOCATION MAP
R-19-E



NOT TO SCALE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 3/3/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L. Duffeck DATE: 3/3/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\13000901\RW\D40415_RP.DWG
APPRAISAL PLAT DATE : JULY 3D, 2D2D
PLOT DATE : 3/8/2D21 8:15 AM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.15

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

Document # **2618054**
RACINE COUNTY REGISTER OF DEEDS
January 12, 2022 1:23 PM

Karie Y. Pope

KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $30.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

This Vacation Order applies to Transportation Project Plat 1300-09-21 -4.15, recorded on March 8, 2021 as Document Number 2583614 in the Office of the Register of Deeds for Racine County.

Whereas, utility number 53 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said utility number is vacated and rescinded.

This space is reserved for recording data

Return to
Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number
016-04-19-07-012-010

DEAN A. VELING NOTARY PUBLIC STATE OF WISCONSIN

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Walter C. Zendek
(Signature)

01/12/22
(Date – m/d/yyyy)

Walter C. Zendek
(Print Name)

RW Plat Designer
(Title)

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

State of Wisconsin
Waukesha County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x
(Signature, Notary Public, State of Wisconsin)

Dean A. Veling
(Print or Type Name, Notary Public, State of Wisconsin)

May 12, 2024
(Date Commission Expires)

Project ID 1300-09-21

This instrument was drafted by Walter C. Zendek

TRANSPORTATION PROJECT PLAT NO: 1300-09-21-4.16
AMENDMENT NO. 1

AMENDS PARCELS 24, 241, 242, 243 AND 244 OF TPP SHEET 1300-09-21-4.16 RECORDED AS DOCUMENT 2583818 AND ADDS PARCEL 245.

THAT PART OF LOTS 1, 2, 3 AND 4 OF CSM 3048 IN AND INCLUDING PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 7, ALL IN TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE 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 PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document # **2591370**
RACINE COUNTY REGISTER OF DEEDS
May 11, 2021 2:46 PM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
Returned to WisDOT - SE Region - Waukesha PO#39500-0000017891
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.16
AMENDMENT NO: 1

NOTES:

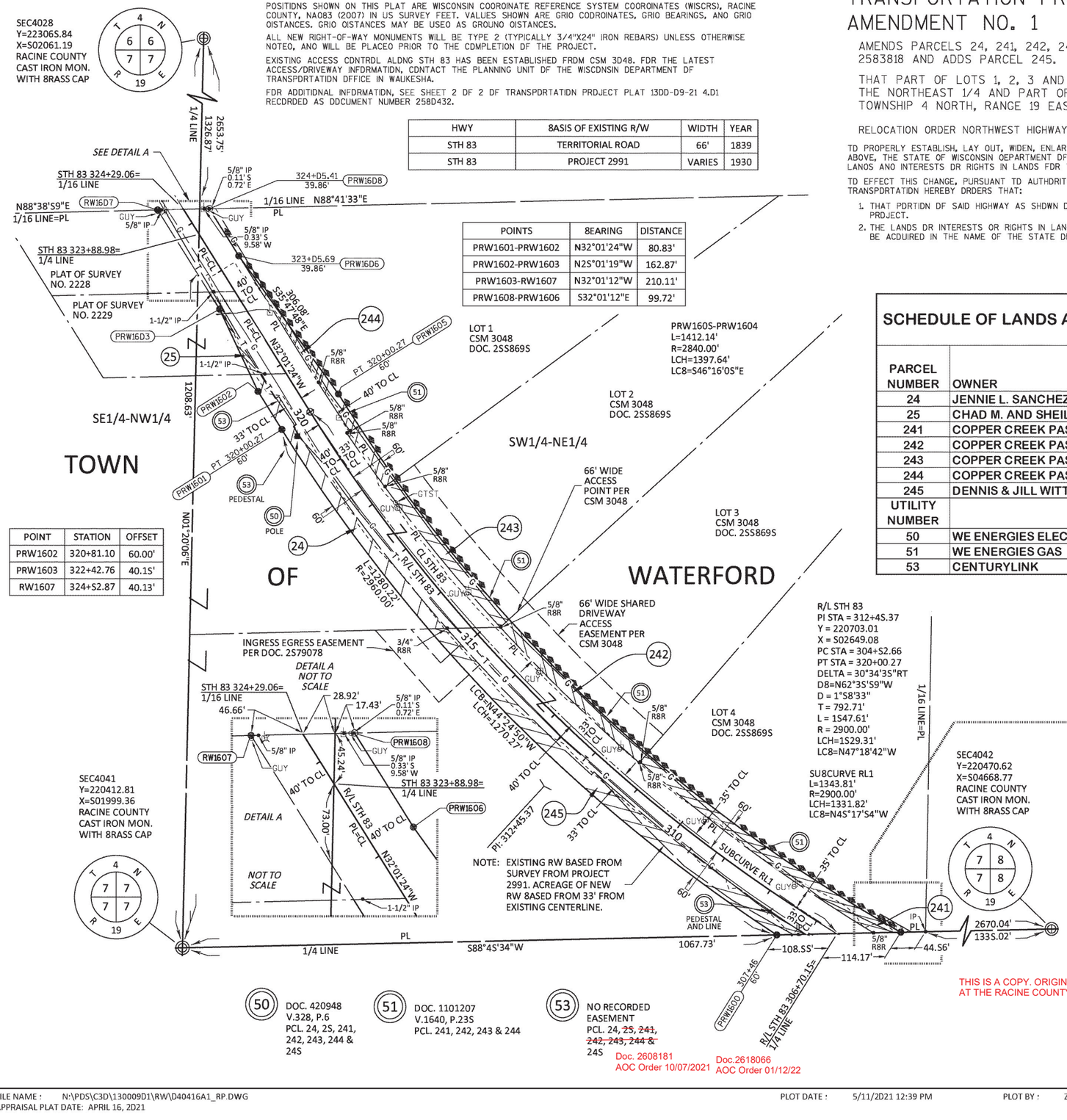
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG STH 83 HAS BEEN ESTABLISHED FROM CSM 3048. FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 13DD-09-21 4.01 RECORDED AS DOCUMENT NUMBER 2580432.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 2991	VARIES	1930



POINTS	BEARING	DISTANCE
PRW1601-PRW1602	N32°01'24"W	80.83'
PRW1602-PRW1603	N25°01'19"W	162.87'
PRW1603-RW1607	N32°01'12"W	210.11'
PRW1608-PRW1606	S32°01'12"E	99.72'

POINT	STATION	OFFSET
PRW1602	320+81.10	60.00'
PRW1603	322+42.76	40.15'
RW1607	324+52.87	40.13'

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
24	JENNIE L. SANCHEZ ETAL.	FEE	0.301	1.286	1.587		
25	CHAD M. AND SHEILA R. KLAWITTER	FEE	0.025	0.160	0.185		
241	COPPER CREEK PASS, LLC.	FEE,TLE	0.271	0.000	0.271	0.013	
242	COPPER CREEK PASS, LLC.	FEE	0.167	0.000	0.167		
243	COPPER CREEK PASS, LLC.	FEE	0.167	0.000	0.167		
244	COPPER CREEK PASS, LLC.	FEE	0.166	0.000	0.166		
245	DENNIS & JILL WITTE REV. TRUST	FEE	0.558	1.376	1.934		
UTILITY NUMBER		INTEREST REQUIRED					
50	WE ENERGIES ELECTRIC	ROR					
51	WE ENERGIES GAS	ROR					
53	CENTURYLINK	ROR					

(50) DOC. 420948 V.328, P.6 PCL. 24, 2S, 241, 242, 243, 244 & 24S

(51) DOC. 1101207 V.1640, P.23S PCL. 241, 242, 243 & 244

(53) NO RECORDED EASEMENT PCL. 24, ~~2S, 241, 242, 243, 244 &~~ 24S

Doc. 2608181 AOC Order 10/07/2021

Doc.2618066 AOC Order 01/12/22

THIS IS A COPY. ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 5/6/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION

SIGNATURE: Robert L. Duffeck DATE: 5/6/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\130009D1\RW\D40416A1_RP.DWG
APPRAISAL PLAT DATE: APRIL 16, 2021
PLOT DATE : 5/11/2021 12:39 PM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70 1300-09-21 4.16 AMENDMENT 1

Document # **2618066**
RACINE COUNTY REGISTER OF DEEDS
January 12, 2022 3:07 PM

Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $30.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
DT1590 7/2016 s. 84.095(3)(b) Wis. Stats.
Exempt from filing transfer return form [s. 77.21(1), 77.22(1), Wis. Stats.]

This Affidavit of Correction applies to Transportation Project Plat 1300-09-21 -4.16 Amendment No. 1, recorded on May 11, 2021 as Document 2591370 in the Office of the Register of Deeds for Racine County and is described as follows:

On the bottom left of the sheet, the easement list for Utility Number 53 is incorrectly shown as:



NO RECORDED
EASEMENT
PCL. 24, 25, 241,
242, 243, 244 &
245

And should be correctly shown as:



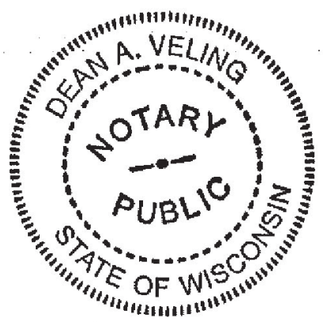
NO RECORDED
EASEMENT
PCL. 24 & 245

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number
016-04-19-07-004-100 016-04-19-07-004-400
016-04-19-07-004-200 016-04-19-07-008-010
016-04-19-07-004-300



I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Walter C. Zendek
(Signature)

Walter C. Zendek
(Print Name)

RW Plat Designer
(Title)



Subscribed and sworn to before me this date.

01/12/22
(Date)

State of Wisconsin)
) ss.
Waukesha County)

(Signature, Notary Public, State of Wisconsin)

Dean A. Veling
(Print or Type Name, Notary Public, State of Wisconsin)

05/12/24
(Date Commission Expires)

Project ID 1300-09-21 This instrument was drafted by Walter C. Zendek Utility Number 53

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.16

THAT PART OF LOTS 1, 2, 3 AND 4 OF CSM 3048 IN AND INCLUDING PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 7, ALL IN TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE 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 PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

Document # **2583818**
RACINE COUNTY REGISTER OF DEEDS
March 09, 2021 2:37 PM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

The above recording information verifies this document has been electronically recorded
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Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.16
AMENDMENT NO:___

NOTES:

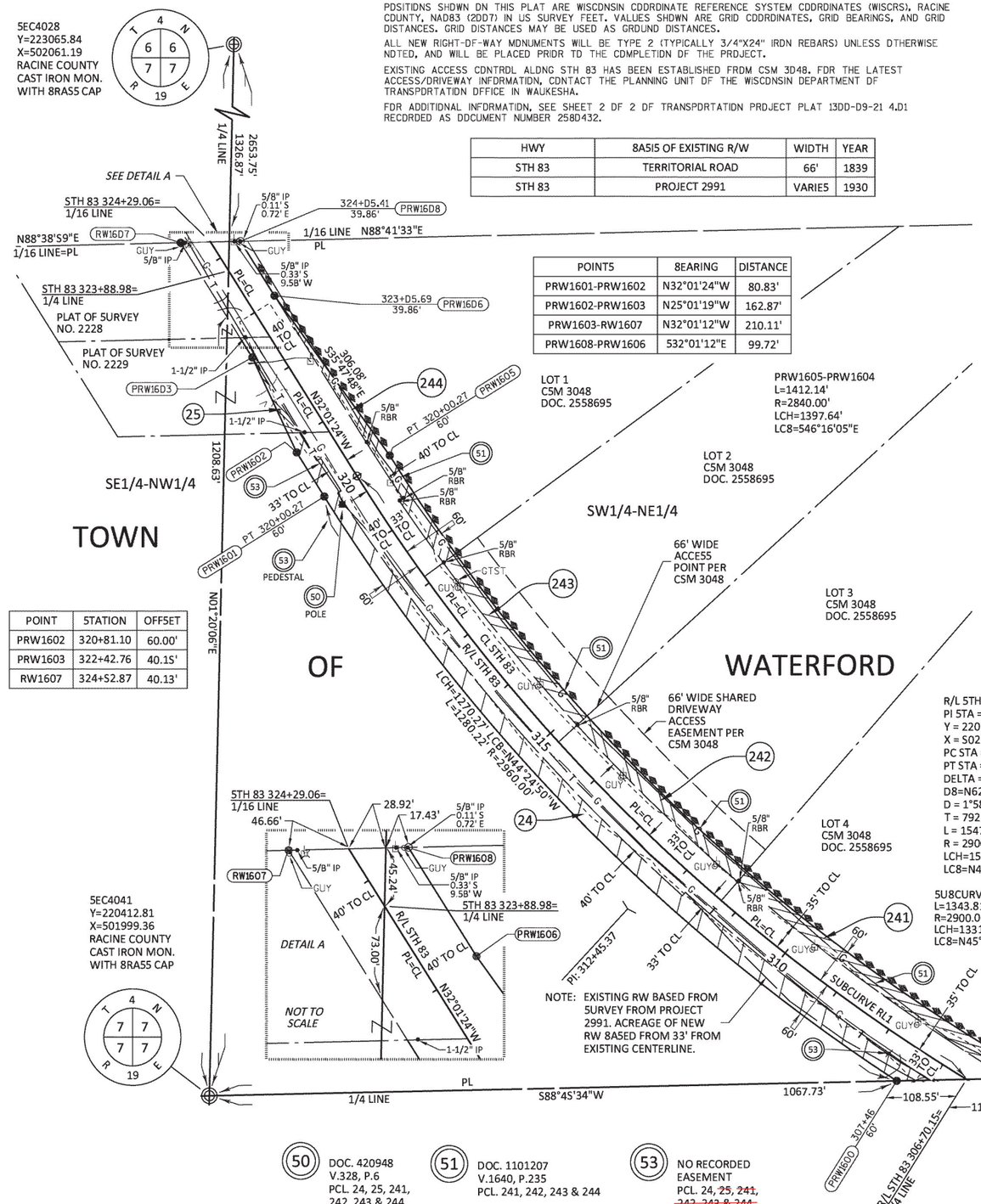
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG STH 83 HAS BEEN ESTABLISHED FROM CSM 3048. FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 13DD-09-21 4.01 RECORDED AS DOCUMENT NUMBER 2580432.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 2991	VARIES	1930



POINT	STATION	OFFSET
PRW1602	320+81.10	60.00'
PRW1603	322+42.76	40.15'
RW1607	324+52.87	40.13'

POINTS	BEARING	DISTANCE
PRW1601-PRW1602	N32°01'24"W	80.83'
PRW1602-PRW1603	N25°01'19"W	162.87'
PRW1603-RW1607	N32°01'12"W	210.11'
PRW1608-PRW1606	S32°01'12"E	99.72'

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
24	JENNIE L. SANCHEZ ETAL.	FEE	0.859	1.214	2.073		
25	CHAD M. AND SHEILA R. KLAWITTER	FEE	0.025	0.160	0.185		
241	COPPER CREEK PASS, LLC.	FEE,TLE	0.271	0.399	0.670	0.013	
242	COPPER CREEK PASS, LLC.	FEE	0.167	0.266	0.433		
243	COPPER CREEK PASS, LLC.	FEE	0.167	0.249	0.416		
244	COPPER CREEK PASS, LLC.	FEE	0.166	0.535	0.701		
UTILITY NUMBER		INTEREST REQUIRED					
50	WE ENERGIES ELECTRIC	ROR					
51	WE ENERGIES GAS	ROR					
53	CENTURYLINK	ROR					

(50) DOC. 420948 V.328, P.6 PCL. 24, 25, 241, 242, 243 & 244

(51) DOC. 1101207 V.1640, P.235 PCL. 241, 242, 243 & 244

(53) NO RECORDED EASEMENT PCL. 24, ~~25~~, ~~241~~, ~~242, 243 & 244~~
Doc. 2618069
AOC Order 1/12/22

THIS IS A COPY. ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

GN

SCALE, FEET 0 100 200

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Walter C. Zendek DATE: 3/5/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L. Duffeck DATE: 3/5/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\130DD901\RW\040416_RP.DWG
APPRAISAL PLAT DATE: DECEMBER 15, 2020
PLOT DATE : 3/9/2021 11:47 AM PLOT BY : ZENDEK, WALTER C PLOT NAME : PLOT SCALE : ##########
CONST. I.D. 1300-09-70 1300-09-21 4.16

Document # **2618069**
RACINE COUNTY REGISTER OF DEEDS
January 12, 2022 3:09 PM

Kari Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $30.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
DT1590 7/2016 s. 84.095(3)(b) Wis. Stats.
Exempt from filing transfer return form [s. 77.21(1), 77.22(1), Wis. Stats.]

This Affidavit of Correction applies to Transportation Project Plat 4.16, recorded on March 9, 2021 as Document 2583818 in the Office of the Register of Deeds for Racine County and is described as follows:

On the bottom left of the sheet, the easement list for Utility Number 53 is incorrectly shown as:



NO RECORDED EASEMENT PCL. 24, 25, 241, 242, 243 & 244

And should be correctly shown as:



NO RECORDED EASEMENT PCL. 24

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number

016-04-19-07-004-100 016-04-19-07-004-400
016-04-19-07-004-200 016-04-19-07-008-010
016-04-19-07-004-300

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

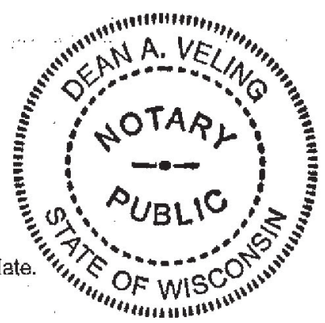
Walter C. Zendek
(Signature)

Walter C. Zendek
(Print Name)

RW Plat Designer
(Title)



Subscribed and sworn to before me this date.



01/12/22
(Date)

State of Wisconsin)
) ss.
Waukesha County)

(Signature, Notary Public, State of Wisconsin)

Dean A. Veling
(Print or Type Name, Notary Public, State of Wisconsin)

05/12/24
(Date Commission Expires)

Project ID 1300-09-21 This instrument was drafted by Walter C. Zendek Utility Number 53

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.17

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 7, TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

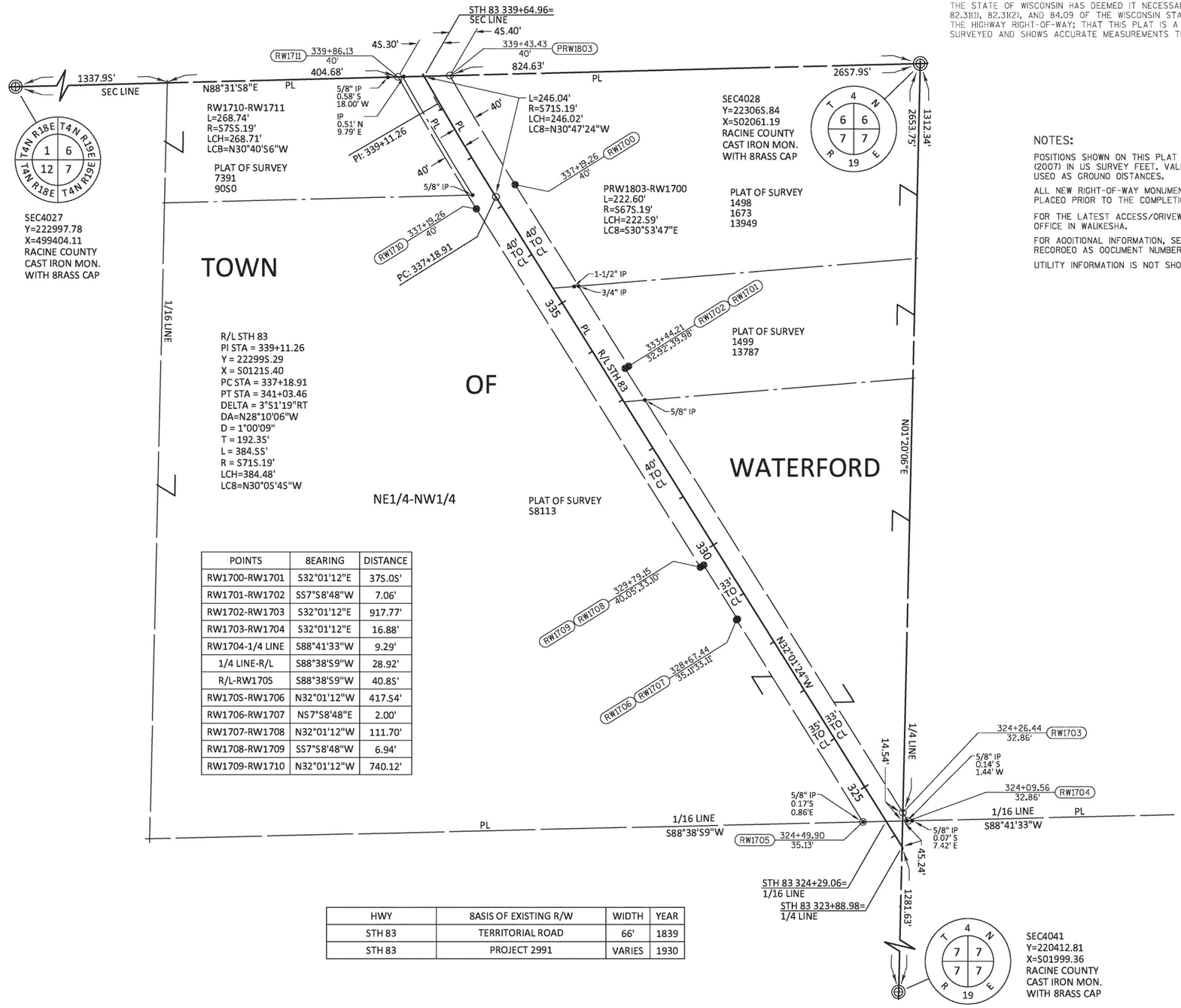
NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE COUNTY

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

Document # **2618455**
RACINE COUNTY REGISTER OF DEEDS
January 18, 2022 11:17 AM
Kakie Pope
KAKIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

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Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1300-09-21 4.17
AMENDMENT NO:___



POINTS	8EARING	DISTANCE
RW1700-RW1701	S32°01'12"E	37S.0S'
RW1701-RW1702	SS7°S8'48"W	7.06'
RW1702-RW1703	S32°01'12"E	917.77'
RW1703-RW1704	S32°01'12"E	16.88'
RW1704-1/4 LINE	S88°41'33"W	9.29'
1/4 LINE-R/L	S88°38'S9"W	28.92'
R/L-RW170S	S88°38'S9"W	40.8S'
RW170S-RW1706	N32°01'12"W	417.S4'
RW1706-RW1707	NS7°S8'48"E	2.00'
RW1707-RW1708	N32°01'12"W	111.70'
RW1708-RW1709	SS7°S8'48"W	6.94'
RW1709-RW1710	N32°01'12"W	740.12'

HWY	8ASIS OF EXISTING R/W	WIDTH	YEAR
STH 83	TERRITORIAL ROAD	66'	1839
STH 83	PROJECT 2991	VARIES	1930

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), RACINE COUNTY, NA083 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

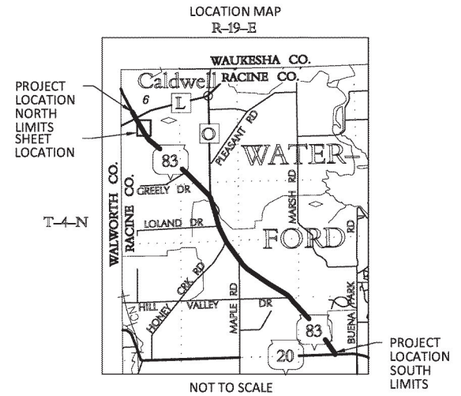
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION, SEE SHEET 2 OF 2 OF TRANSPORTATION PROJECT PLAT 1300-09-21 4.01 RECORDED AS DOCUMENT NUMBER 2580432.

UTILITY INFORMATION IS NOT SHOWN ON THIS PLAT.

THIS IS A COPY, ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

LOCATION MAP
R-19-E



NOT TO SCALE

GN

SCALE, FEET 0 100 200

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

SIGNATURE: Walter C. Zendek DATE: 1/14/22
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 1/14/22
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\13000901\RW\040417_RP.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 1/18/2022 9:44 AM
PLOT BY : ZENDEK, WALTER C
PLOT NAME :
PLOT SCALE : ##########
CONST. I.D. 1300-09-70
1300-09-21 4.17

SCHEDULE OF LANDS AND INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, ANO ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LANO INTEREST TO THE OEPARTMENT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
26	CHRISTINE C. OSZEWSKI	FEE,TLE	0.000	0.291	0.291	0.005	
27	MICHAEL AND ROBIN CONN	FEE,TLE	0.000	0.312	0.312	0.030	
28	MICHAEL L. AND MARCIA F. GAUGER	FEE,TLE	0.058	1.107	1.165	0.021	
UTILITY NUMBER		INTEREST REQUIRED					
50	WE ENERGIES ELECTRIC	ROR					
51	WE ENERGIES GAS	ROR					
~~53~~	~~CENTURYLINK~~	~~ROR~~					

50 DOC. 650283 V.595, P.239 PCL. 26,27 & 28
DOC. 453500 V.375, P.477 PCL. 26,27 & 28
~~DOC. 451177 V.342, P.537 PCL. 26~~
~~DOC. 420943 V.328, P.1 PCL. 26~~
DOC. 420950 V.328, P.8 PCL. 26,27 & 28
DOC. 431177 V.342, P.539 PCL. 27 & 28

Doc. 2608104 AOC Order 10/06/2021

51 DOC. 1103059 V.1643, P.65 PCL. 26 & 27
DOC. 1101481 V.1640, P.692 PCL. 26 & 27

~~53 NO RECORDED EASEMENT PCL. 26 & 27~~
Doc. 2608104 AOC Order 10/06/2021
Doc. 2618053 Vac. Order 1/12/22

HWY	8A5I5 OF EXI5TING R/W	WIDTH	YEAR
5TH 83	TERRITORIAL ROAD	66'	1839
5TH 83	PROJECT 2991	VARIE5	1930
5TH 83	C5M 1371	60'	1988
CTH L	PROJECT T0818(5)	VARIE5	1956
CTH L	TERRITORIAL ROAD	66'	1842
CTH L	C5M 1371	60'	1988

Document # **2584321**
RACINE COUNTY REGISTER OF DEEDS
March 12, 2021 2:46 PM
Karie Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

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Returned to WisDOT - SE Region - Waukesha PO# 39500-0000017891
Pages: 1

RESERVED FDR REGISTER DF DEEDS
PRDJECT NUMBER _1300-09-21 4.18
AMENDMENT ND:___

THIS IS A COPY. ORIGINAL DOCUMENT IS RECORDED AT THE RACINE COUNTY REGISTER OF DEEDS.

TRANSPORTATION PROJECT PLAT NO: 1300-09-21 -4.18

THAT PART OF LOT 2 OF CSM 1705 LOCATED IN AND INCLUDING PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, AND PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 6, ALL IN TOWNSHIP 4 NORTH, RANGE 19 EAST, IN THE TOWN OF WATERFORD, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER NORTHWEST HIGHWAY (STH 83), STH 20 TO I-43 RACINE 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 PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

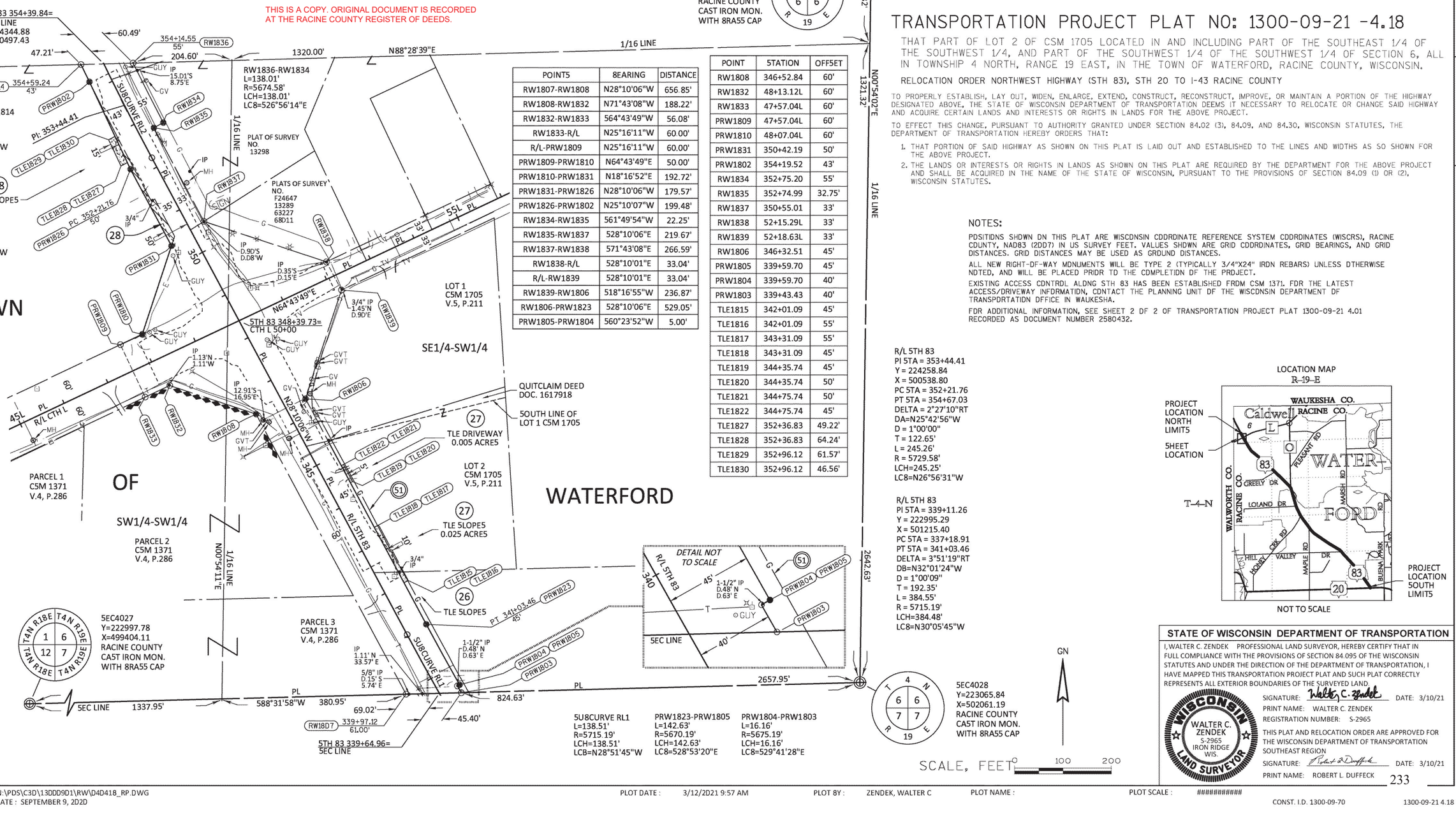
NOTES:

PDSITIDNS SHDWN DN THIS PLAT ARE WISCDNSIN CDDRDINATE REFERENCE SYSTEM CDDRDINATES (WISCRS), RACINE CDUNTY, NAD83 (2DD7) IN US SURVEY FEET. VALUES SHDWN ARE GRID CDDRDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GRDUND DISTANCES.

ALL NEW RIGHT-DF-WAY MDNUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRDN REBARS) UNLESS DTHERWISE NDTED, AND WILL BE PLACED PRIDR TD THE CDMPLETIDN DF THE PRDJECT.

EXISTING ACCESS CDNTRDL ALDNG STH 83 HAS BEEN ESTABLISHED FRDM CSM 1371. FDR THE LATEST ACCESS/DRIVEWAY INFDRMATIDN, CDNTACT THE PLANNING UNIT DF THE WISCDNSIN DEPARTMENT DF TRANSPDRTATIDN DFFICE IN WAUKESHA.

FDR ADDITIONAL INFORMATION, SEE SHEET 2 DF 2 OF TRANSPORTATION PROJECT PLAT 1300-09-21 4.01 RECORDED AS DOCUMENT NUMBER 2580432.



POINT5	8EARING	DI5TANCE
RW1807-RW1808	N28°10'06"W	656.85'
RW1808-RW1832	N71°43'08"W	188.22'
RW1832-RW1833	S64°43'49"W	56.08'
RW1833-R/L	N25°16'11"W	60.00'
R/L-PRW1809	N25°16'11"W	60.00'
PRW1809-PRW1810	N64°43'49"E	50.00'
PRW1810-PRW1831	N18°16'52"E	192.72'
PRW1831-PRW1826	N28°10'06"W	179.57'
PRW1826-PRW1802	N25°10'07"W	199.48'
RW1834-RW1835	S61°49'54"W	22.25'
RW1835-RW1837	S28°10'06"E	219.67'
RW1837-RW1838	S71°43'08"E	266.59'
RW1838-R/L	S28°10'01"E	33.04'
R/L-RW1839	S28°10'01"E	33.04'
RW1839-RW1806	S18°16'55"W	236.87'
RW1806-PRW1823	S28°10'06"E	529.05'
PRW1805-PRW1804	S60°23'52"W	5.00'

POINT	5TATION	OFF5ET
RW1808	346+52.84	60'
RW1832	48+13.12L	60'
RW1833	47+57.04L	60'
PRW1809	47+57.04L	60'
PRW1810	48+07.04L	60'
PRW1831	350+42.19	50'
PRW1802	354+19.52	43'
RW1834	352+75.20	55'
RW1835	352+74.99	32.75'
RW1837	350+55.01	33'
RW1838	52+15.29L	33'
RW1839	52+18.63L	33'
RW1806	346+32.51	45'
PRW1805	339+59.70	45'
PRW1804	339+59.70	40'
PRW1803	339+43.43	40'
TLE1815	342+01.09	45'
TLE1816	342+01.09	55'
TLE1817	343+31.09	55'
TLE1818	343+31.09	45'
TLE1819	344+35.74	45'
TLE1820	344+35.74	50'
TLE1821	344+75.74	50'
TLE1822	344+75.74	45'
TLE1827	352+36.83	49.22'
TLE1828	352+36.83	64.24'
TLE1829	352+96.12	61.57'
TLE1830	352+96.12	46.56'

R/L 5TH 83
PI 5TA = 353+44.41
Y = 224258.84
X = 500538.80
PC 5TA = 352+21.76
PT 5TA = 354+67.03
DELTA = 2°27'10"RT
DA=N25°42'56"W
D = 1°00'00"
T = 122.65'
L = 245.26'
R = 5729.58'
LCH=245.25'
LC8=N26°56'31"W

R/L 5TH 83
PI 5TA = 339+11.26
Y = 222995.29
X = 501215.40
PC 5TA = 337+18.91
PT 5TA = 341+03.46
DELTA = 3°51'19"RT
DB=N32°01'24"W
D = 1°00'09"
T = 192.35'
L = 384.55'
R = 5715.19'
LCH=384.48'
LC8=N30°05'45"W

5U8CURVE RL1
L=138.51'
R=5715.19'
LCH=138.51'
LCB=N28°51'45"W

PRW1823-PRW1805
L=142.63'
R=5670.19'
LCH=142.63'
LC8=528°53'20"E

PRW1804-PRW1803
L=16.16'
R=5675.19'
LCH=16.16'
LC8=529°41'28"E

LOCATION MAP
R-19-E

NOT TO 5CALE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, WALTER C. ZENDEK PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN LAND SURVEYOR — WALTER C. ZENDEK S-2965 IRON RIDGE WIS.

SIGNATURE: Walter C. Zendek DATE: 3/10/21
PRINT NAME: WALTER C. ZENDEK
REGISTRATION NUMBER: S-2965

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION
SIGNATURE: Robert L Duffeck DATE: 3/10/21
PRINT NAME: ROBERT L. DUFFECK

FILE NAME : N:\PDS\C3D\13DDD9D1\RW\D4D418_RP.DWG
APPRAISAL PLAT DATE : SEPTEMBER 9, 2D2D
PLOT DATE : 3/12/2021 9:57 AM PLOT BY : ZENDEK, WALTER C PLOT NAME : PLOT SCALE : ##########
CONST. I.D. 1300-09-70 1300-09-21 4.18

Document # **2608104**
RACINE COUNTY REGISTER OF DEEDS
October 06, 2021 3:18 PM

Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 2

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
DT1590 7/2016 s. 84.095(3)(b) Wis. Stats.
Exempt from filing transfer return form [s. 77.21(1), 77.22(1), Wis. Stats.]

This Affidavit of Correction applies to Transportation Project Plat 1300-09-21 -4.18, recorded on March 12, 2021 as Document 2584321 in the Office of the Register of Deeds for Racine County and is described as follows:

See Attached.

This space is reserved for recording data

Return to

Wisconsin Department of Transportation.
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number
016-04-19-06-005-070
016-04-19-06-005-022
016-04-19-06-005-060

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Walter C. Zendek (Signature)

Walter C. Zendek
(Print Name)

Right of Way Plat Designer
(Title)

Subscribed and sworn to before me this date.

10/6/21
(Date)

State of Wisconsin)
) ss.
Waukesha. County)

James A Cox
(Signature, Notary Public, State of Wisconsin)

James A Cox.
(Print or Type Name, Notary Public, State of Wisconsin)

10-3-25
(Date Commission Expires)

WISCONSIN
WALTER C. ZENDEK
S-2965
IRON RIDGE
WIS.
LAND SURVEYOR

JAMES A COX
Notary Public
State of Wisconsin

On the top center of the sheet, the easement list for Utility Number 50 is incorrectly shown as:



DOC. 650283 V.595, P.239 PCL. 26,27 & 28
DOC. 420943 V.328, P.1 PCL. 26
DOC. 453500 V.375, P.477 PCL. 26,27 & 28
DOC. 420950 V.328, P.8 PCL. 26,27 & 28
DOC. 451177 V.342, P.537 PCL. 26
DOC. 431177 V.342, P.539 PCL. 27 & 28

And should be correctly shown as:



DOC. 650283 V.595, P.239 PCL. 26,27 & 28
DOC. 420950 V.328, P.8 PCL. 26,27 & 28
DOC. 453500 V.375, P.477 PCL. 26,27 & 28
DOC. 431177 V.342, P.539 PCL. 26,27 & 28

On the top center of the sheet, the easement list for Utility Number 53 is incorrectly shown as:



NO RECORDED EASEMENT PCL. 26 & 27

And should be correctly shown as:



NO RECORDED EASEMENT PCL. 26

Document # **2618053**
RACINE COUNTY REGISTER OF DEEDS
January 12, 2022 1:22 PM

Karie Y. Pope
KARIE POPE
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $30.00

**The above recording information verifies
this document has been electronically recorded**
Returned to WisDOT - SE Region - Waukesha PO# 39500-00000021974
Pages: 1

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

This Vacation Order applies to Transportation Project Plat 1300-09-21 -4.18, recorded on March 12, 2021 as Document Number 2584321 in the Office of the Register of Deeds for Racine County.

Whereas, utility number 53 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said utility number is vacated and rescinded.

This space is reserved for recording data

Return to
Wisconsin Department of Transportation
ATTN: Walter C. Zendek
141 NW Barstow Street
Waukesha, Wi. 53187-0798

Parcel Identification Number/Tax Key Number
016-04-19-06-005-022
016-04-19-06-005-070

DEAN A. VELING NOTARY PUBLIC STATE OF WISCONSIN

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Walter C. Zendek
(Signature)

01/12/22
(Date – m/d/yyyy)

Walter C. Zendek
(Print Name)

RW Plat Designer
(Title)

WISCONSIN WALTER C. ZENDEK S-2965 IRON RIDGE WIS. LAND SURVEYOR

State of Wisconsin
Waukesha County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

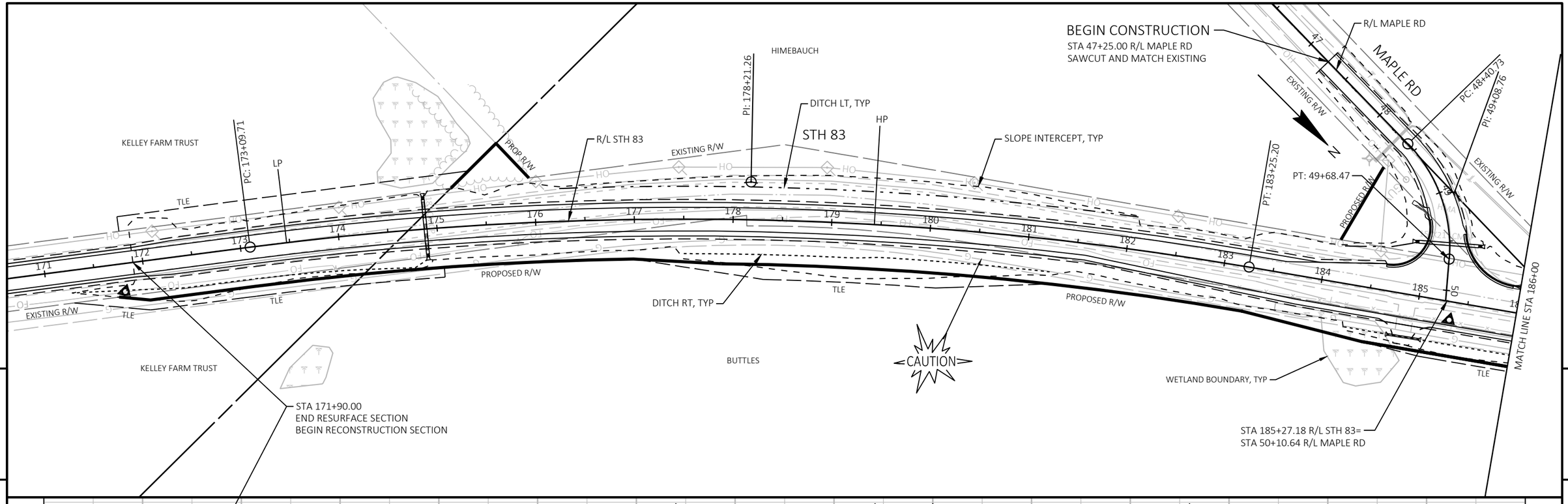
x
(Signature, Notary Public, State of Wisconsin)

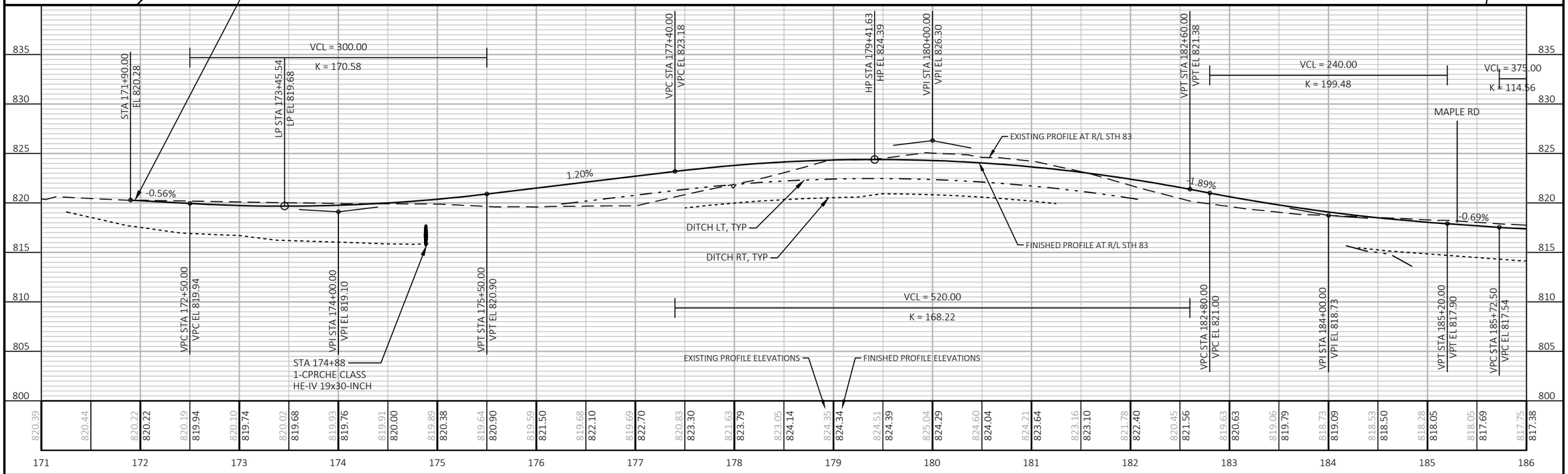
Dean A. Veling
(Print or Type Name, Notary Public, State of Wisconsin)

May 12, 2024
(Date Commission Expires)

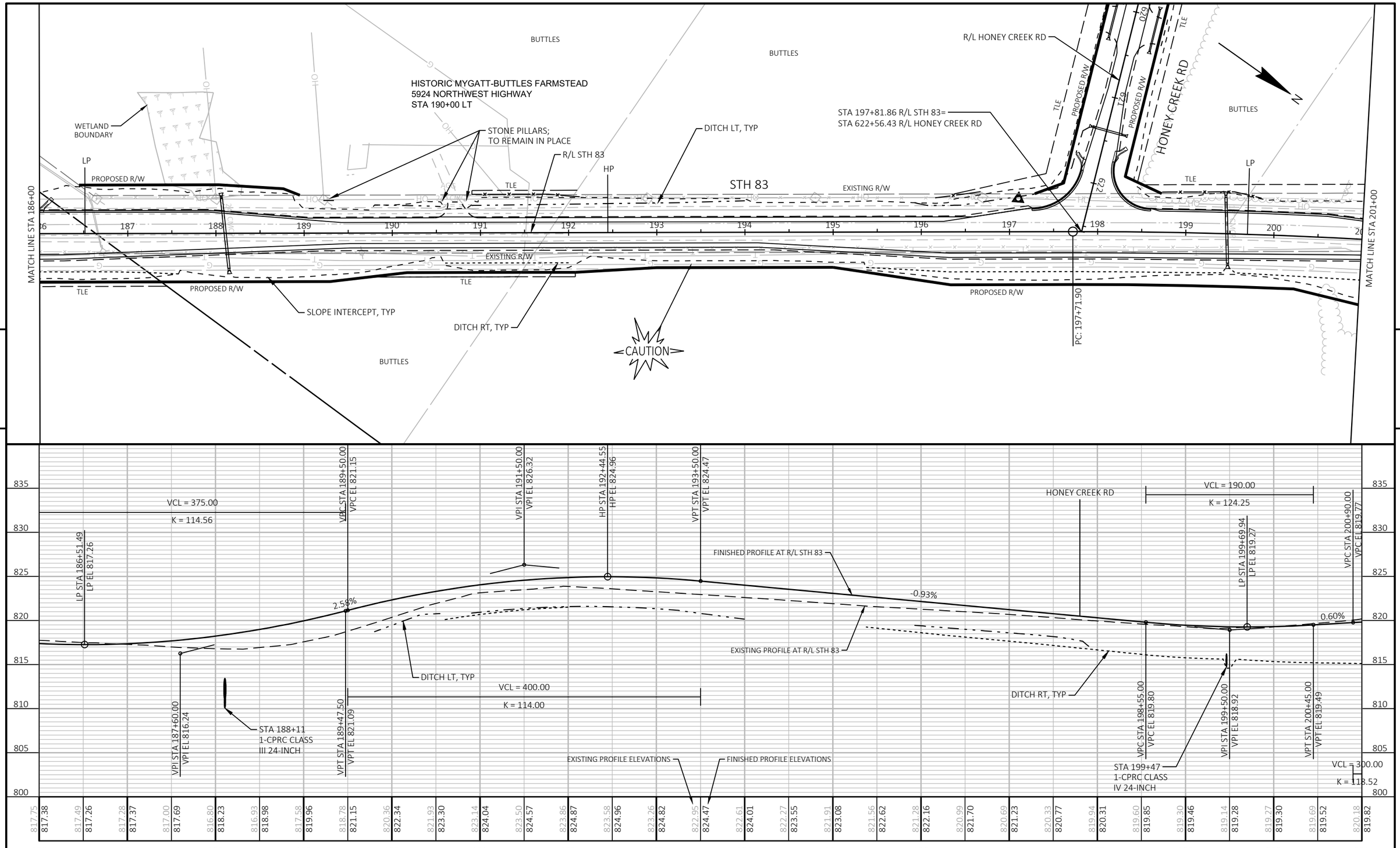
Project ID 1300-09-21

This instrument was drafted by Walter C. Zendek





PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 237	E

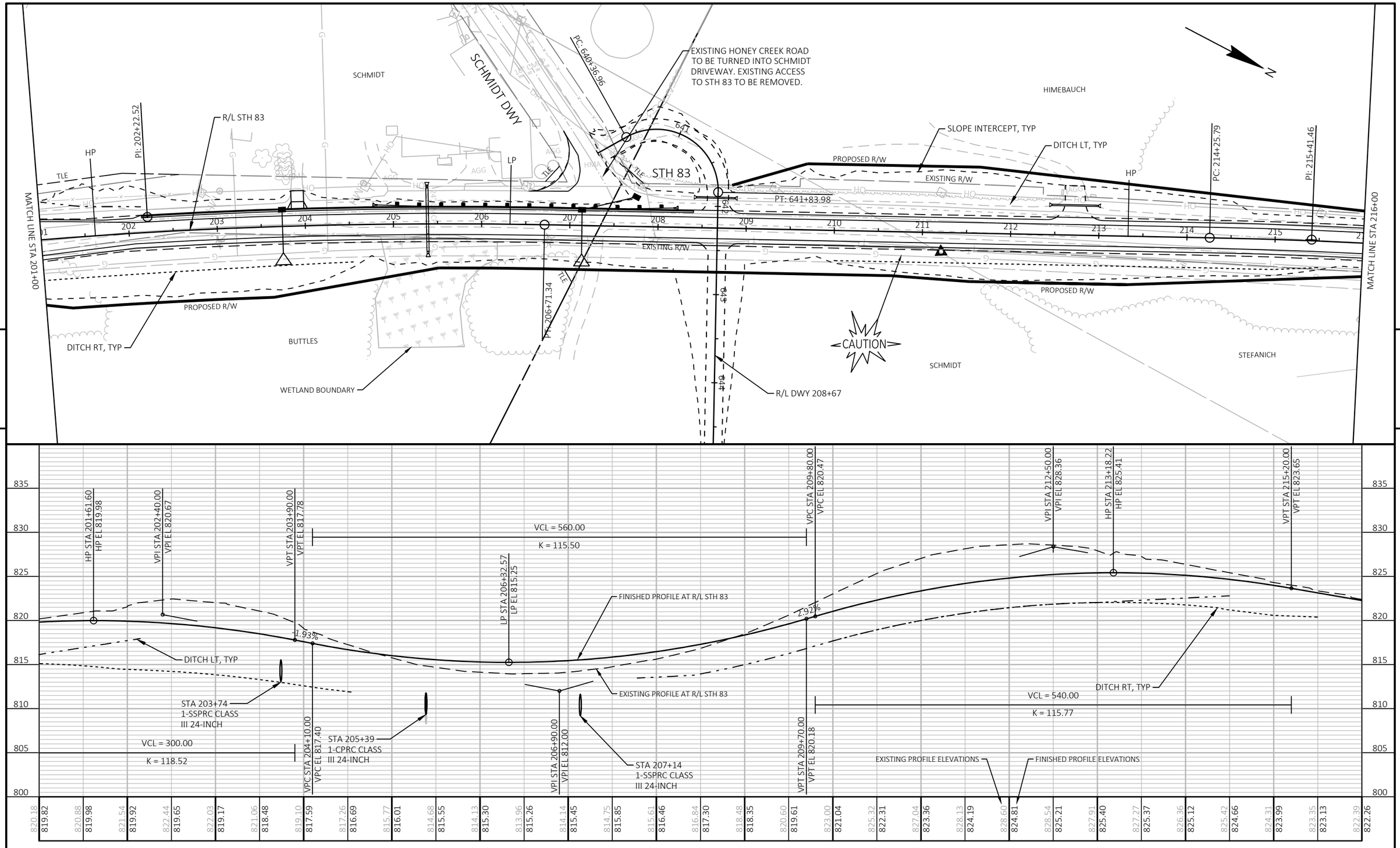


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 238	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 1-83-02-pp

PLOT DATE : 10/16/2022 8:33 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 239	E

BEGIN CONSTRUCTION
STA 549+50.00 R/L LOLAND DR
MATCH EXISTING

R/L LOLAND DR

PI: 548+96.53

WETLAND BOUNDARY

HIMEBAUCH

SJOBLOM

POTTER

PT: 216+57.10

PC: 219+11.37

PI: 221+29.49

LOLAND DR

STH 83

EXISTING R/W

R/L STH 83

PROPOSED R/W

MATCH LINE STA 216+00

EXISTING R/W

PROPOSED R/W

SEPTIC FIELD

SLOPE INTERCEPT, TYP

CAUTION

PT: 223+46.76

STEFANICH

TYMUS & MARTI

STA 217+90.00
END RECONSTRUCTION SECTION
CONTINUE WITH RESURFACING

5

5

EXISTING PROFILE AT R/L STH 83

-1.74%

FINISHED PROFILE AT R/L STH 83

STA 217+90.00
EL 818.95

EXISTING PROFILE ELEVATIONS

FINISHED PROFILE ELEVATIONS

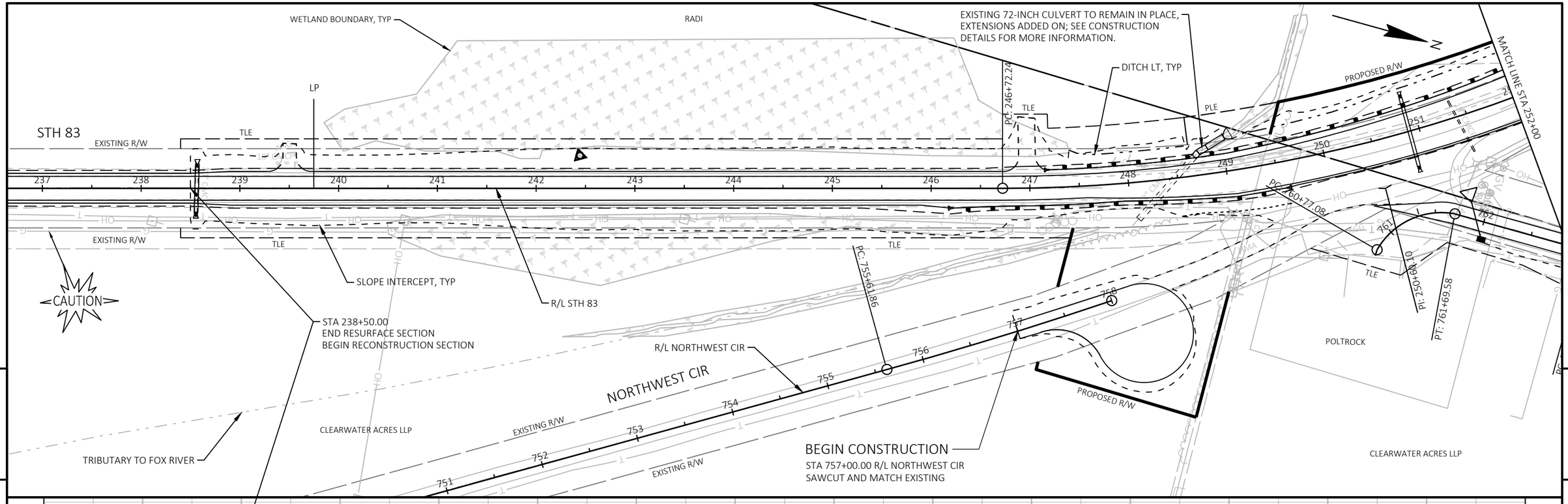
216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231
822.39	821.58	820.64	819.64	818.76	817.90	817.05	816.21	815.32	814.35	813.34	812.19	810.87	809.15	807.37	805.34	803.40	801.78	800.49	799.30	798.38	797.74	797.29	796.94	796.73	796.72	796.79	796.89	796.91	796.71	796.42
822.26		821.39		820.52		819.65																								

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 240	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 1-83-04-pp

PLOT DATE : 10/16/2022 8:33 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 241	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 2-83-01-pp

PLOT DATE : 10/16/2022 12:01 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 253+27.46 R/L STH 83=
STA 650+00.00 R/L CTH O

SCHULTZ FARMS

PT: 254+31.33

SLOPE INTERCEPT, TYP

HP

DITCH LT, TYP

LP

PI: 261+58.86

STH 83

PROPOSED R/W

EXISTING R/W

MATCH LINE STA 252+00

252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267

CTH O

651

PROPOSED R/W

TLE

CAUTION

R/L STH 83

DITCH RT, TYP

STA 258+00.00
END RECONSTRUCTION SECTION
CONTINUE WITH RESURFACING

EXISTING R/W

MARUS

SCHULTZ FARMS

NORTHWEST CIR

PC: 651+42.36

764

652

TOWN OF WATERFORD

SCHULTZ FARMS

R/L NORTHWEST CIR

STA 651+83.22 R/L CTH O=
STA 764+43.27 R/L NORTHWEST CIRCLE

TLE

R/L CTH O

653

POLTROCK

PT: 763+93.95

N

5

5

VCL = 400.00

K = 220.82

820
815
810
805
800
795
790
785

CTH O

VPC STA 253+70.00
VPC EL 802.15

VPI STA 255+50.00
VPI EL 806.38

HP STA 256+38.92
HP EL 805.31

VPT STA 257+30.00
VPT EL 804.95

STA 258+00.00
EL 804.39

FINISHED PROFILE
AT R/L STH 83

-0.80%

2.35%

DITCH RT, TYP

EXISTING PROFILE AT R/L STH 83

VCL = 360.00

K = 114.36

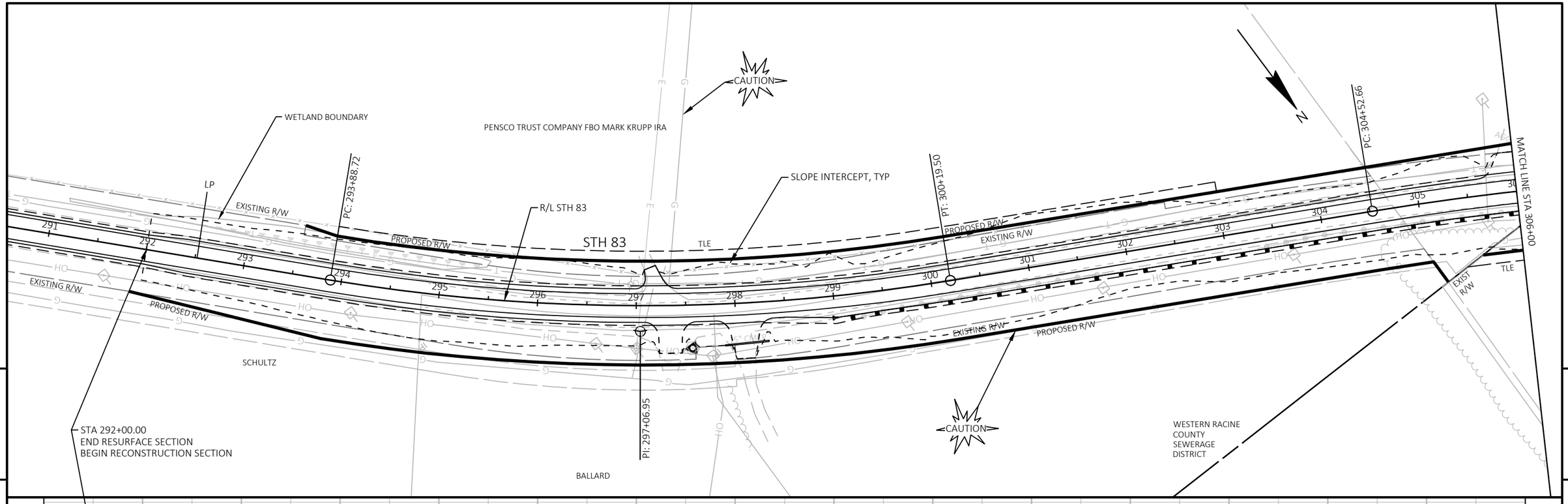
VPT STA 252+50.00
VPT EL 799.32

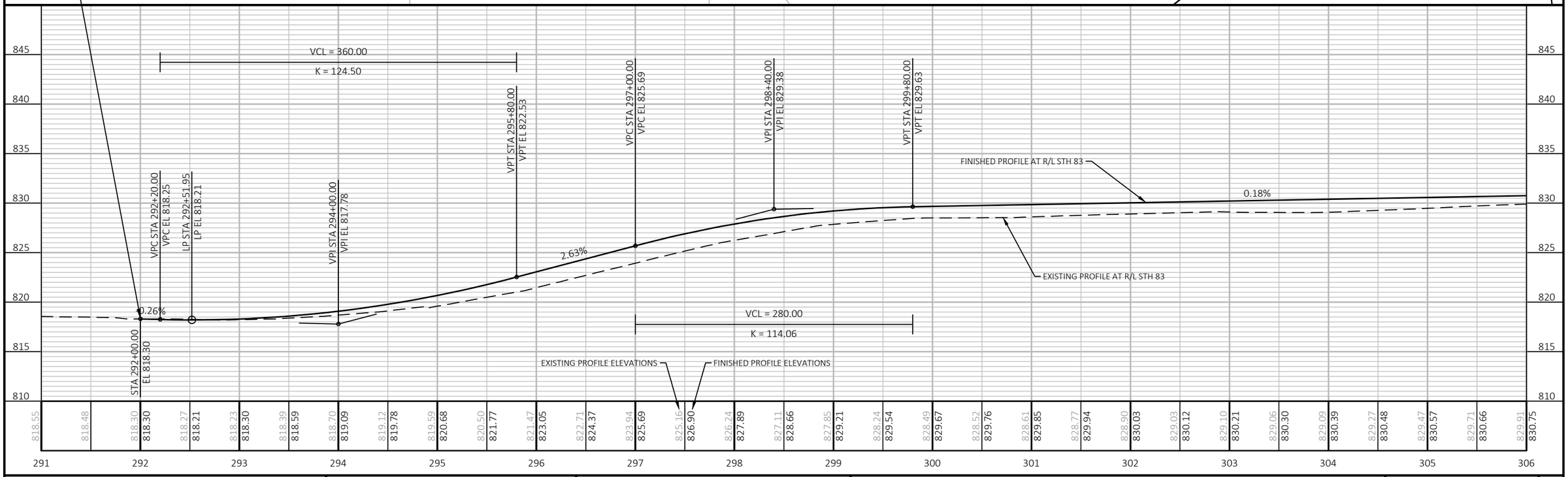
DITCH LT, TYP

EXISTING PROFILE ELEVATIONS

FINISHED PROFILE ELEVATIONS

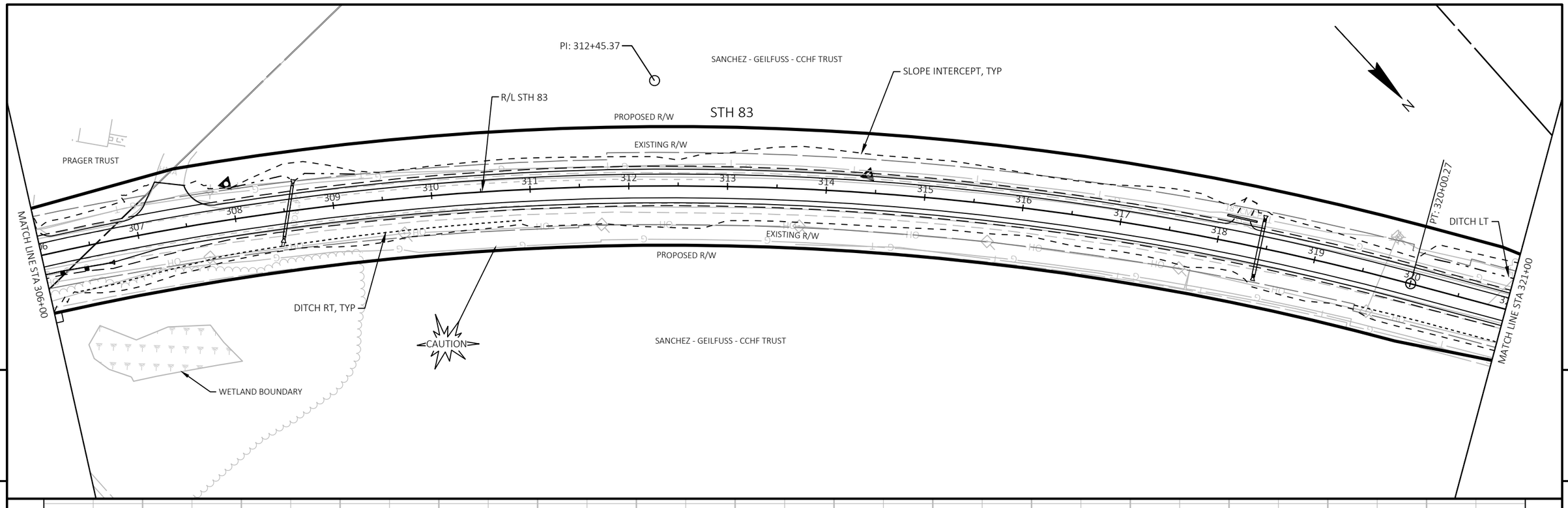
| | | |





PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 243	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050103-PP.DWG
LAYOUT NAME - 3-83-01-pp
PLOT DATE : 10/2/2022 12:53 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

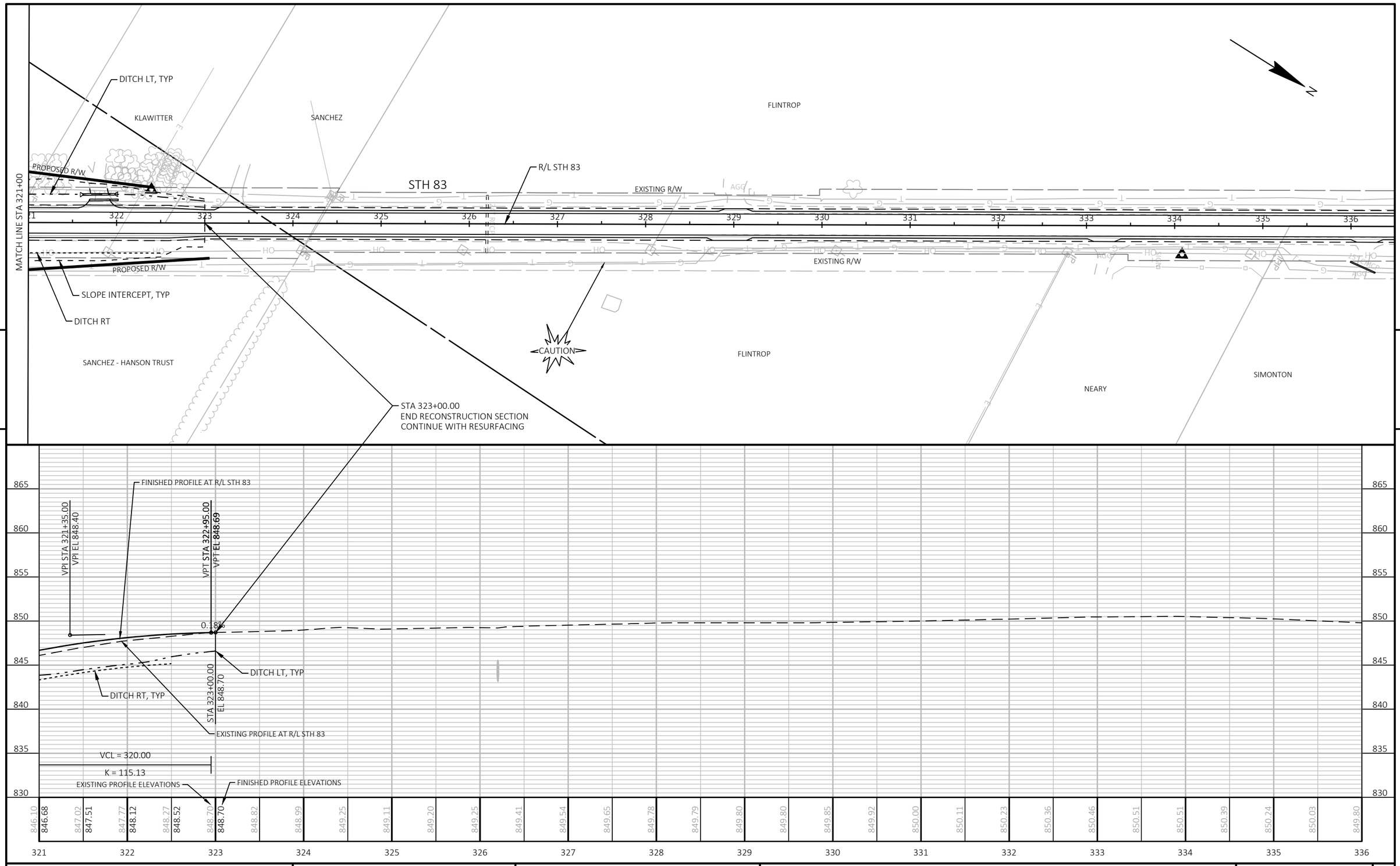


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 244	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050103-PP.DWG
LAYOUT NAME - 3-83-02-pp

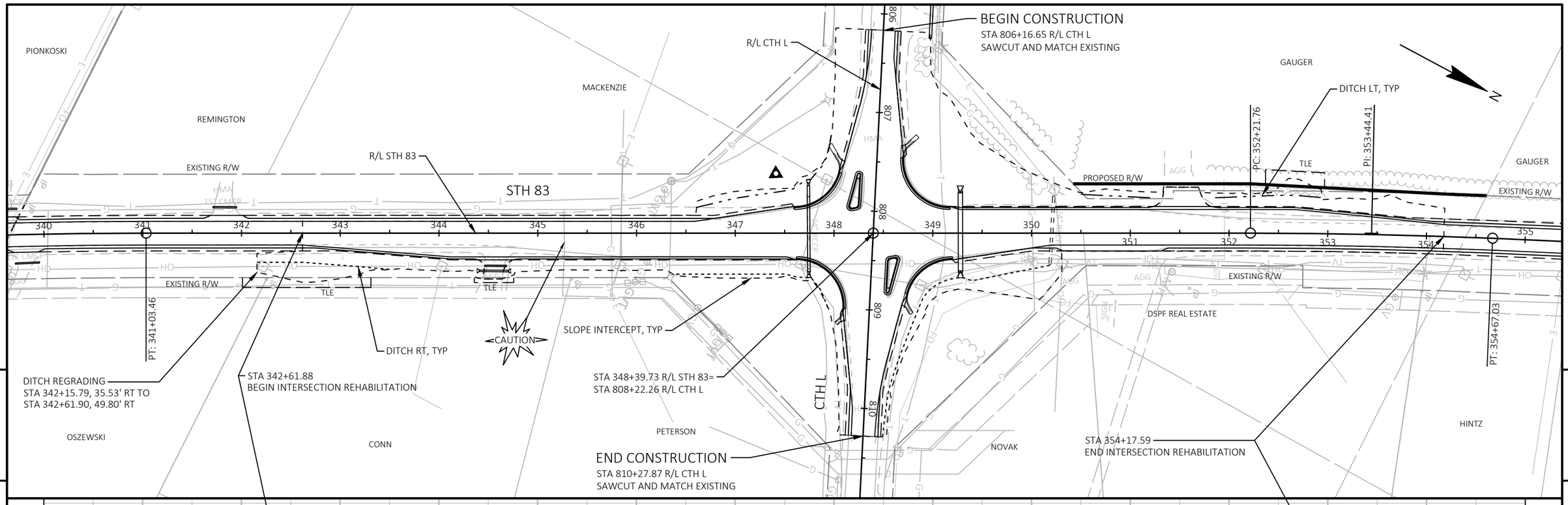
PLOT DATE : 10/2/2022 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 245	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050103-PP.DWG
LAYOUT NAME - 3-83-03-pp
PLOT DATE : 10/2/2022 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 246	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050103-PP.DWG
LAYOUT NAME - 3-83-04-pp

PLOT DATE : 10/2/2022 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

BUTTLES

DITCH LT

SLOPE INTERCEPT, TYP

BEGIN CONSTRUCTION
STA 47+25.00 R/L MAPLE RD
SAWCUT AND MATCH EXISTING

HP

PC: 48+40.73

PI: 49+08.76

PROPOSED R/W

EXISTING R/W

MAPLE RD

PT: 49+68.47

EXISTING R/W

R/L MAPLE RD

DITCH RT

PROPOSED R/W

PT: 183+25.20

STH 83

CAUTION

BUTTLES

HIMEBAUCH

STA 50+10.64 R/L MAPLE RD=
STA 185+27.18 R/L STH 83

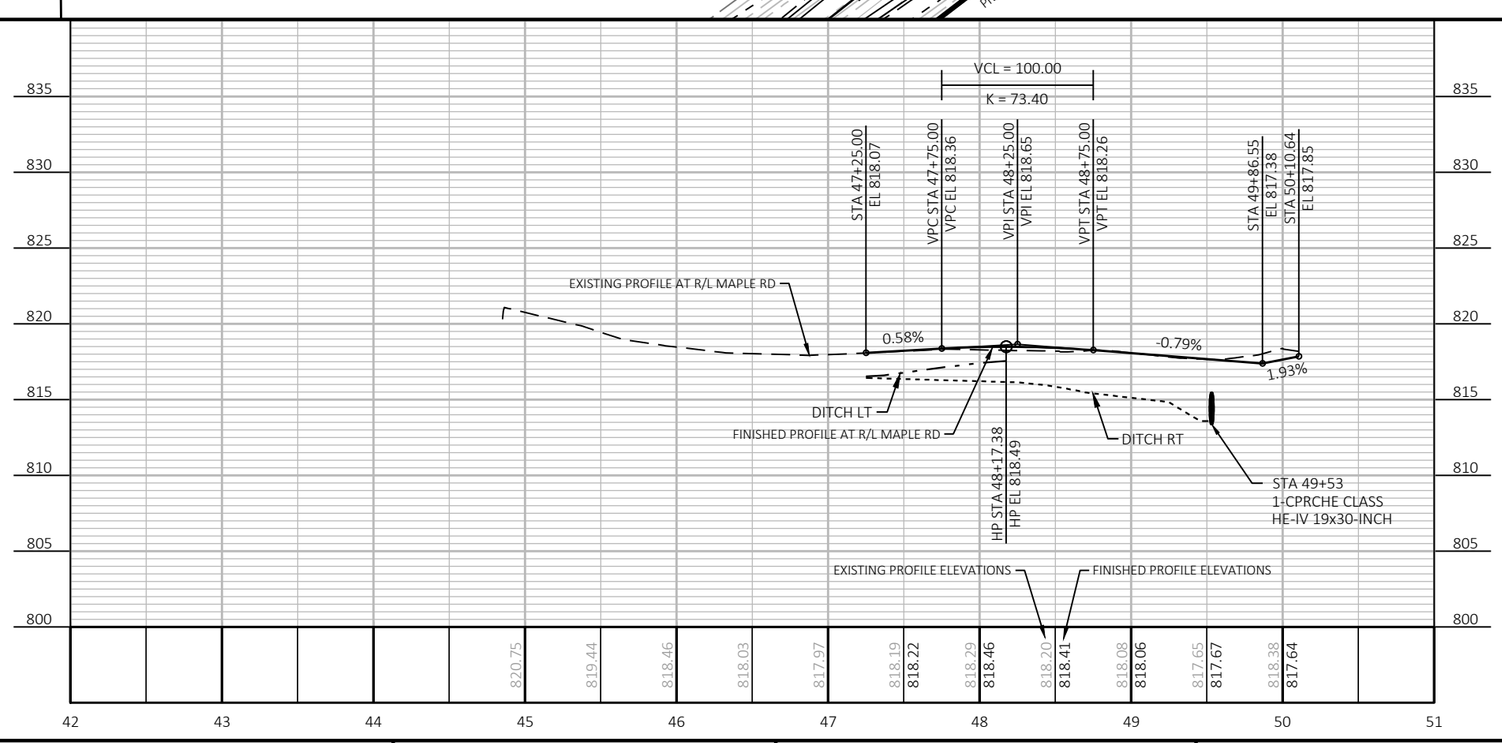
EXISTING R/W

R/L STH 83

WETLAND BOUNDARY, TYP

PROPOSED R/W

N

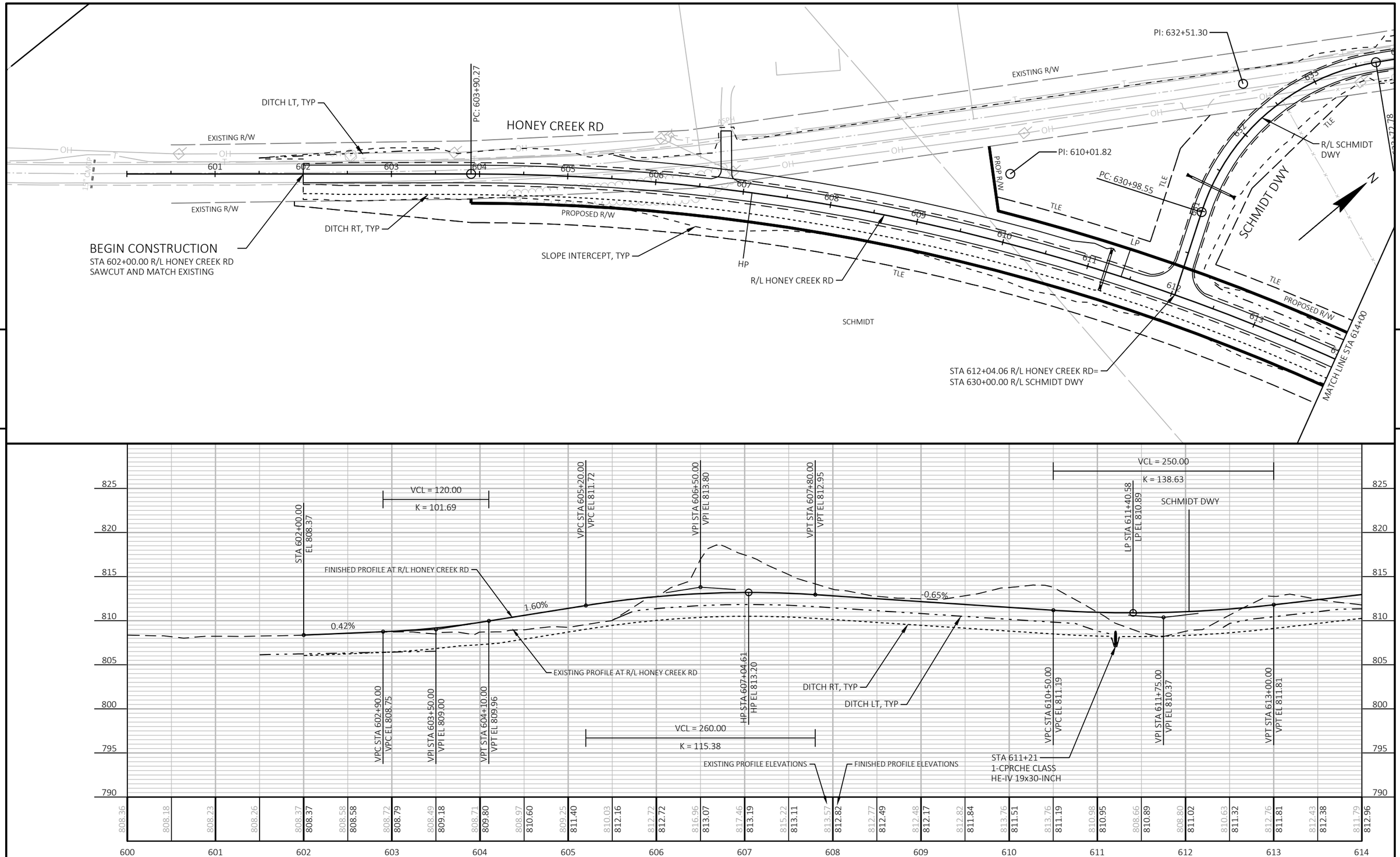


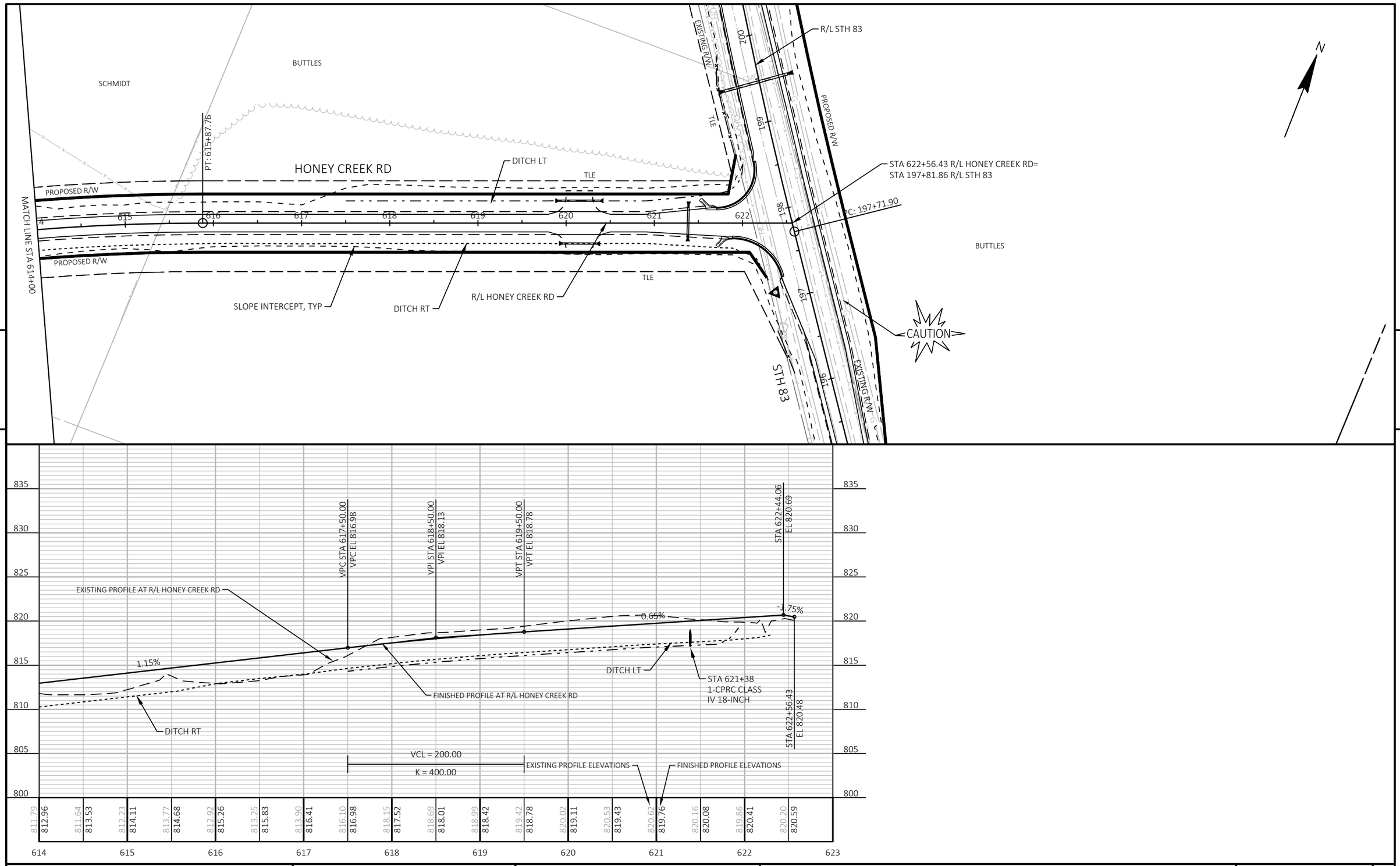
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - MAPLE RD	SHEET 247	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050104-PP.DWG
LAYOUT NAME - 4-Maple Road

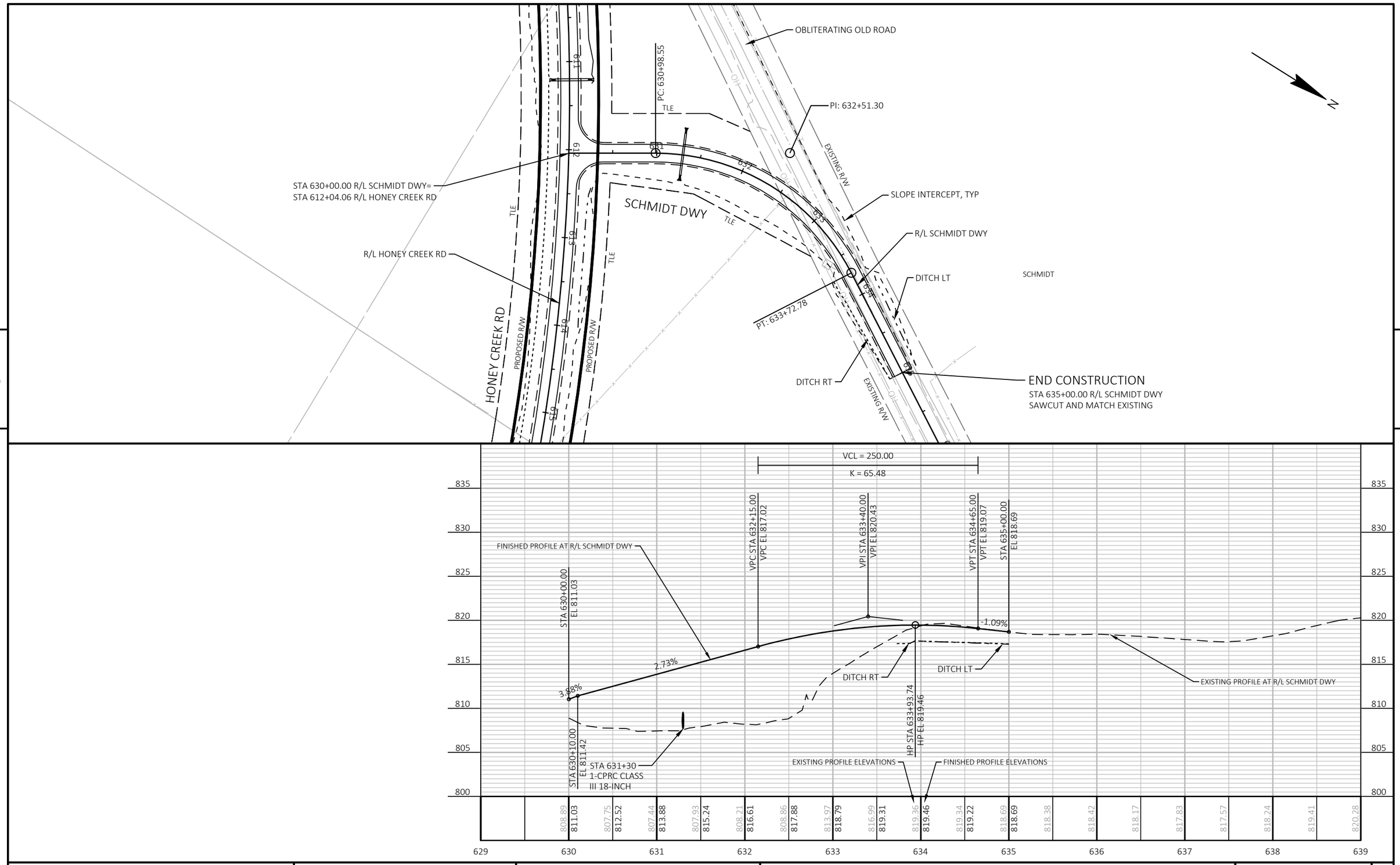
PLOT DATE : 9/27/2022 2:35 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44


HONEY CREEK RD
EXISTING R/W
EXISTING R/W
DITCH LT, TYP
DITCH RT, TYP
PC: 603+90.27
PROPOSED R/W
SLOPE INTERCEPT, TYP
HP
R/L HONEY CREEK RD
TLE
BEGIN CONSTRUCTION
STA 602+00.00 R/L HONEY CREEK RD
SAWCUT AND MATCH EXISTING
SCHMIDT
PI: 632+51.30
PI: 610+01.82
PROP R/W
PC: 630+98.55
LP
SCHMIDT DWY
R/L SCHMIDT DWY
STA 612+04.06 R/L HONEY CREEK RD=
STA 630+00.00 R/L SCHMIDT DWY
MATCH LINE STA 614+00
601
602
603
604
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - HONEY CREEK RD	SHEET 249	E

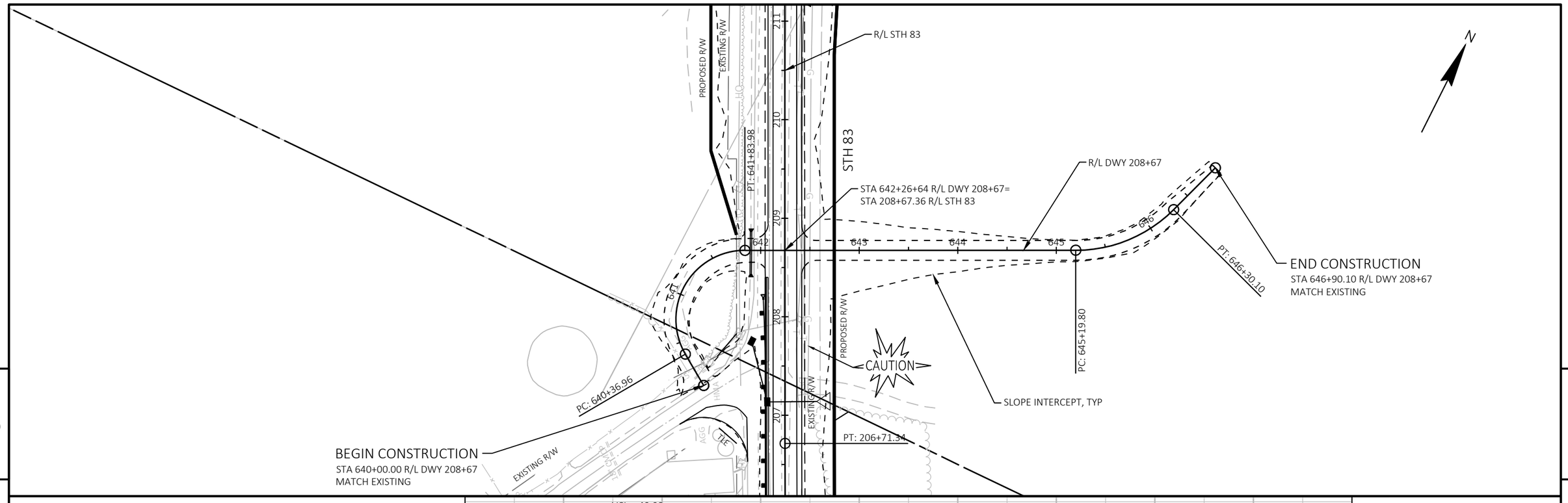


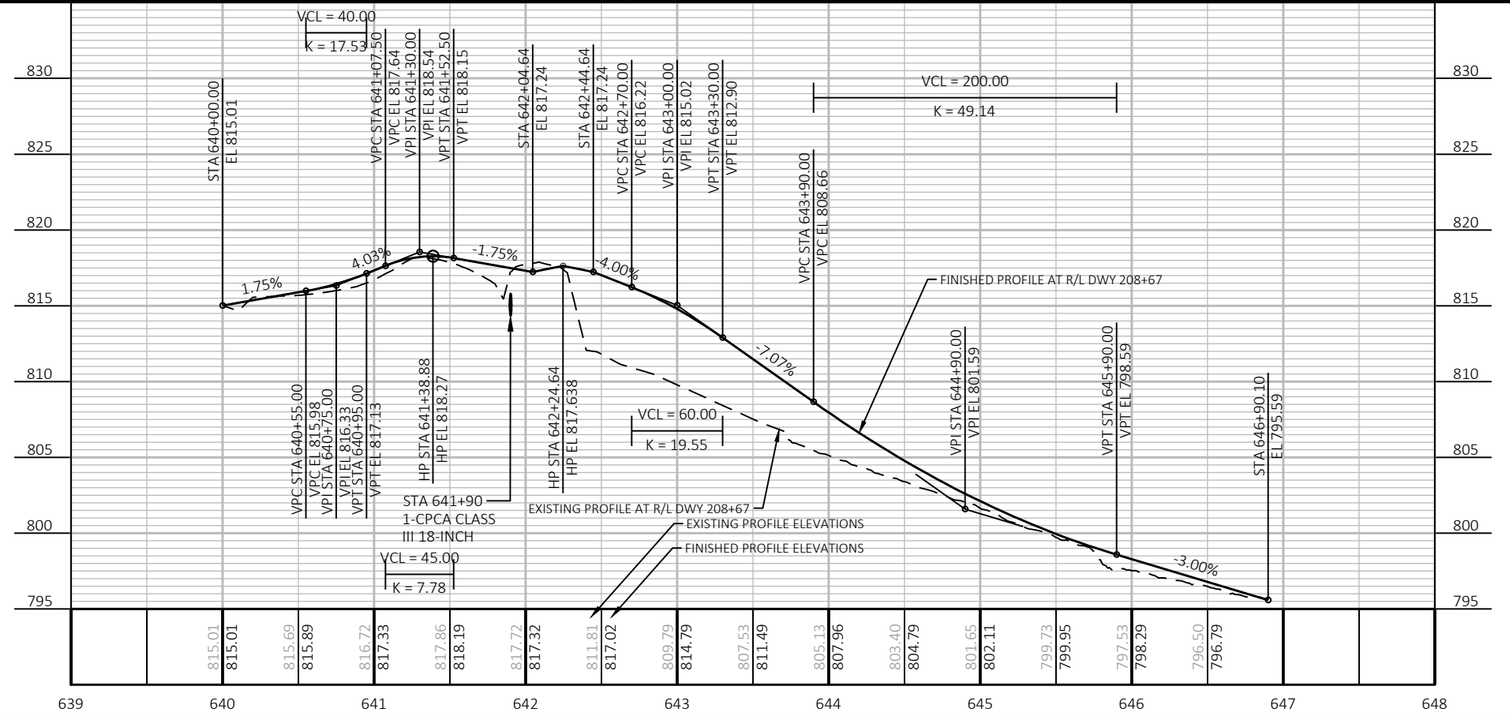
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - SCHMIDT DWY	SHEET 250 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050104-PP.DWG
LAYOUT NAME - 4-Schmidt Dwy

PLOT DATE : 9/27/2022 2:36 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



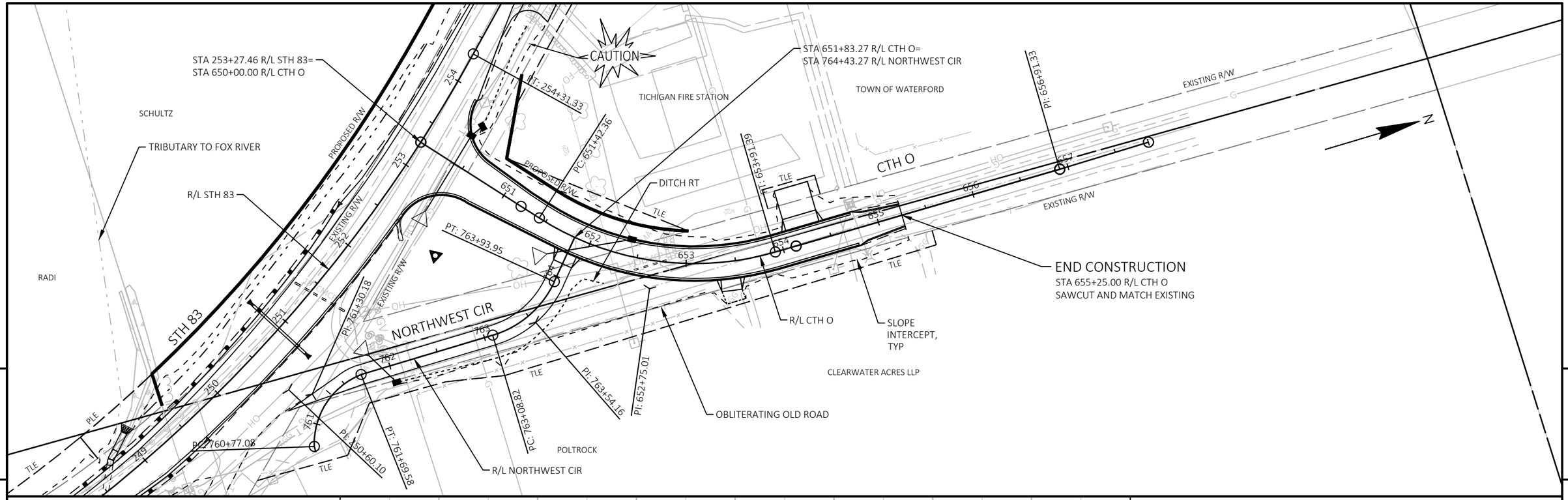


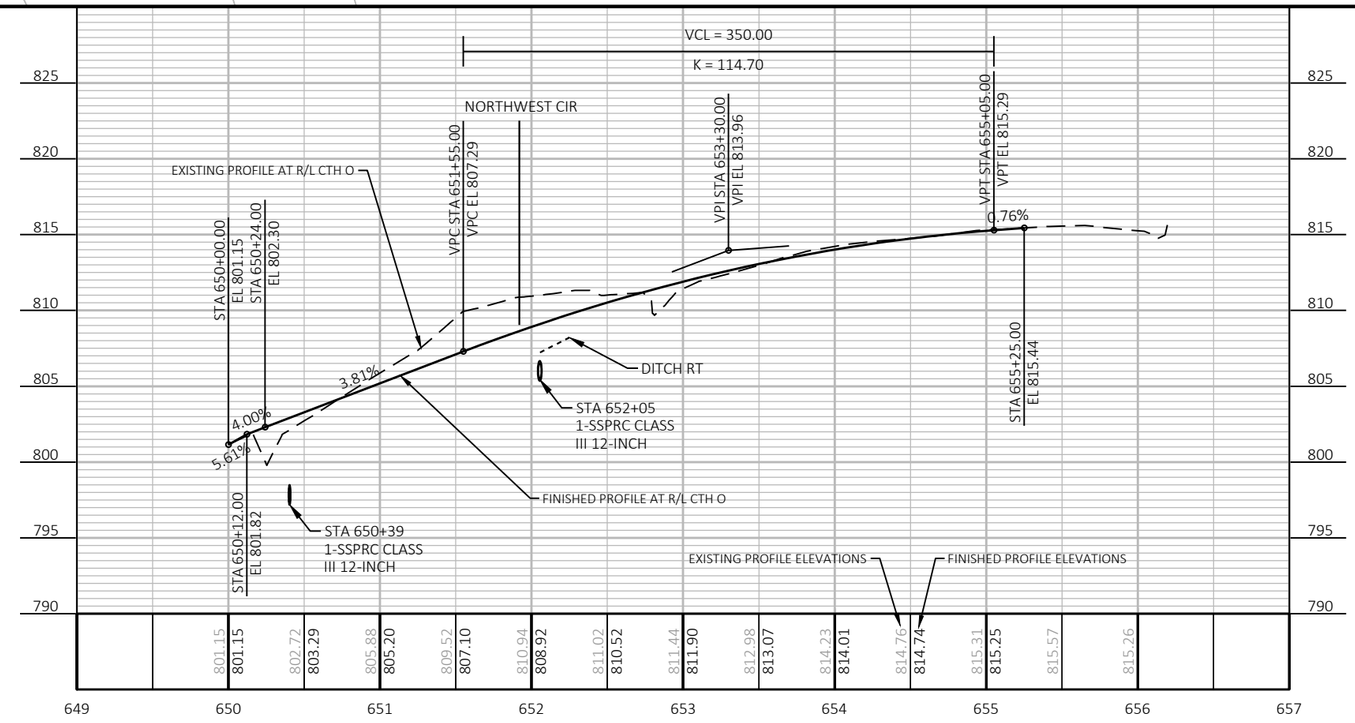
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - DWY 208+67	SHEET 251 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050104-PP.DWG
LAYOUT NAME - 4-Dwy 208+67

PLOT DATE : 9/27/2022 2:36 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

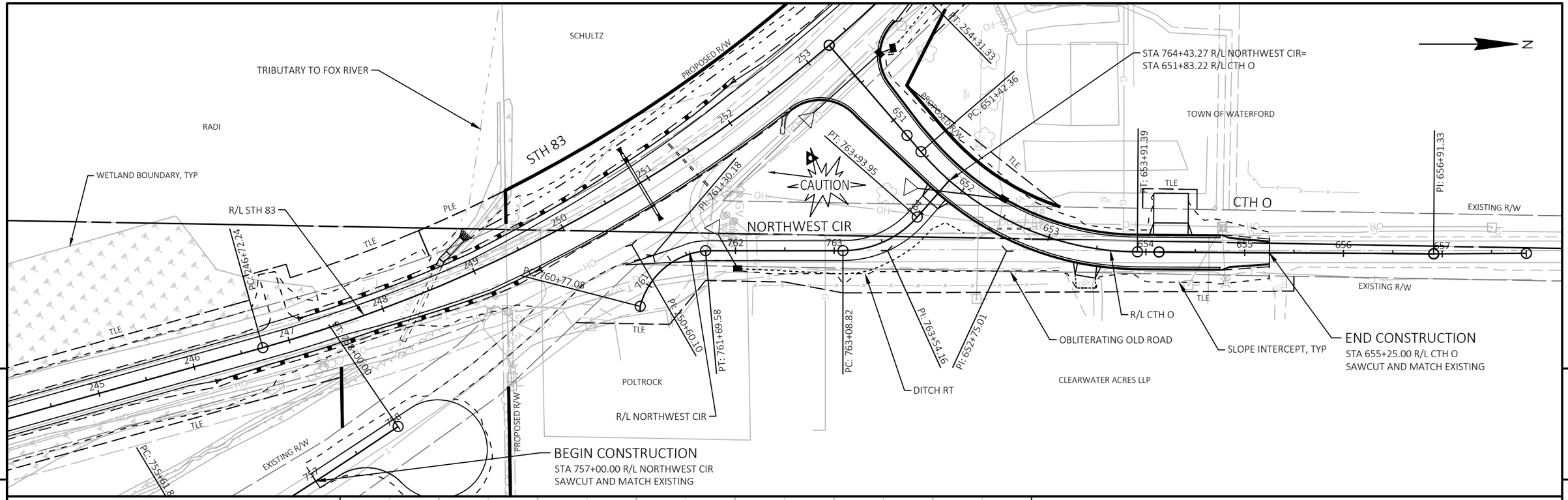


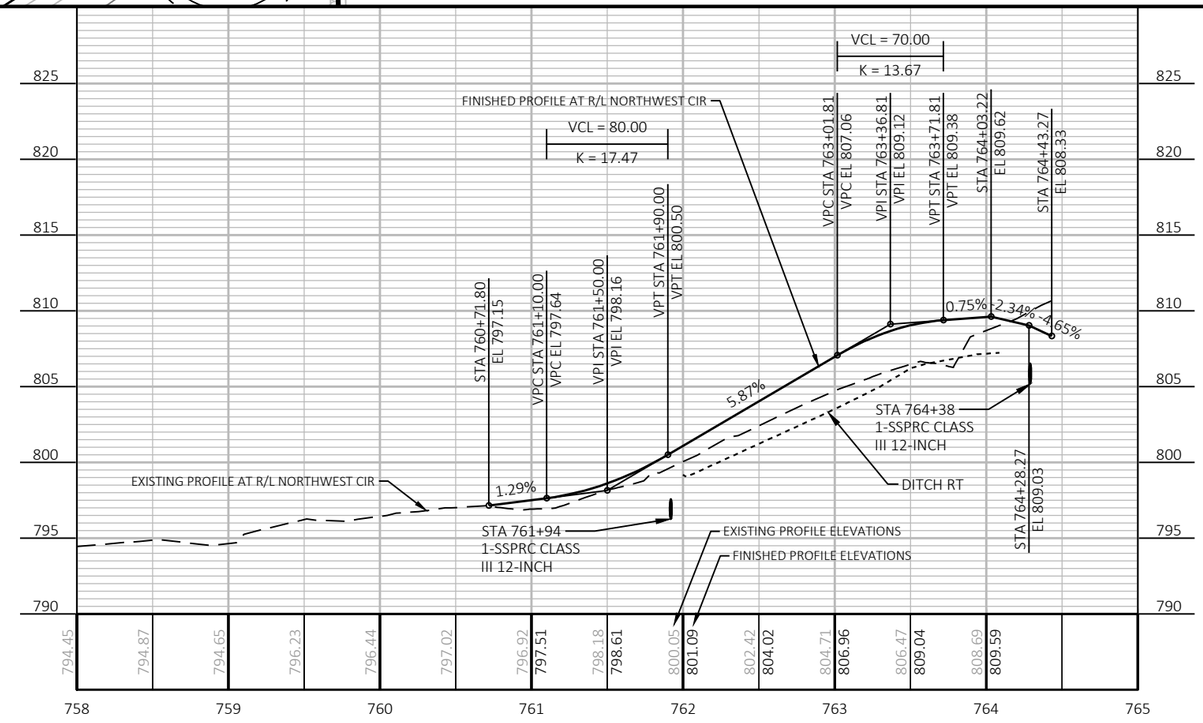


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - CTH O	SHEET 252	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050104-PP.DWG
LAYOUT NAME - 4-CTH O

PLOT DATE : 9/27/2022 2:36 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT



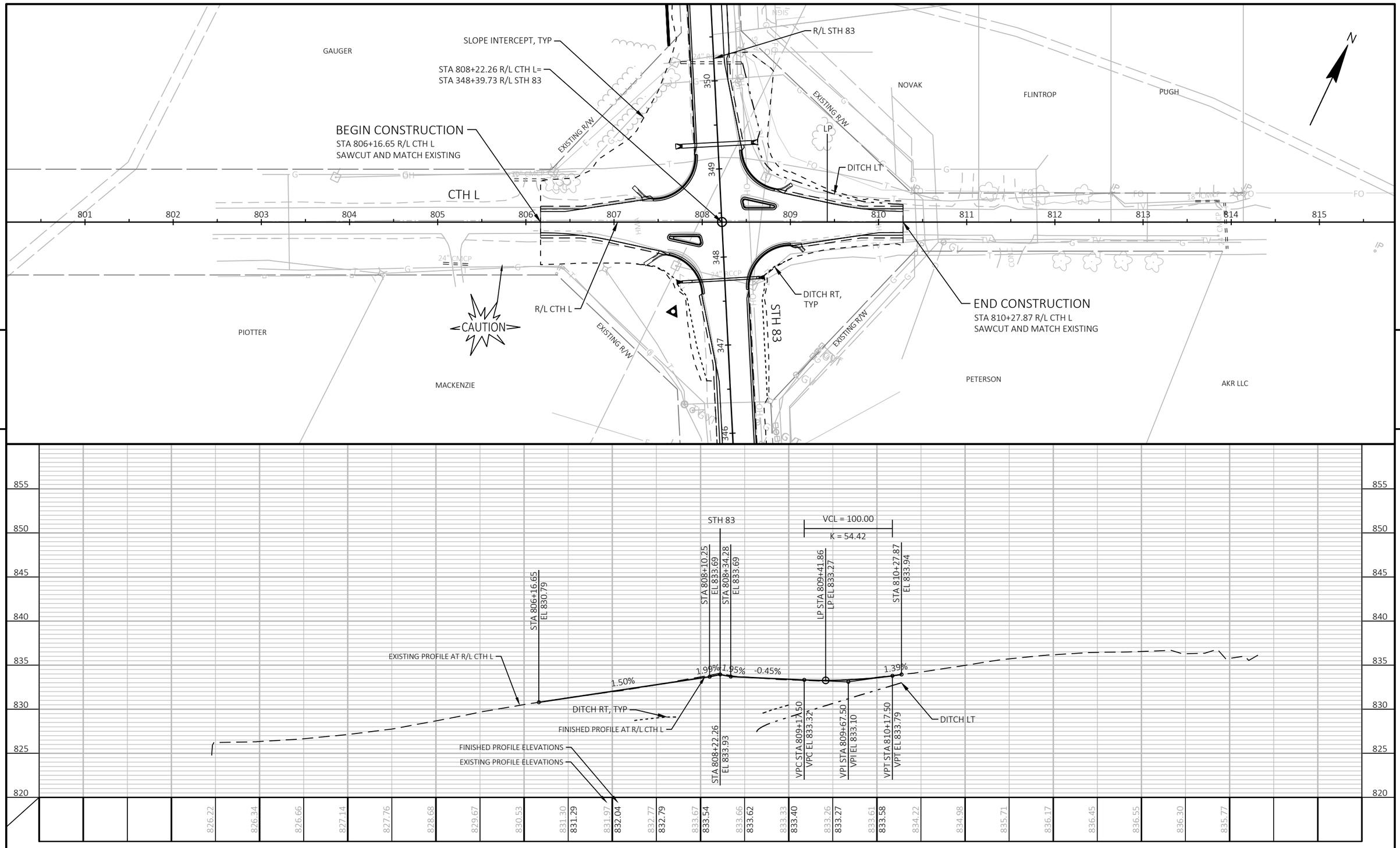


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - NORTHWEST CIR	SHEET 253	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050104-PP.DWG
LAYOUT NAME - 4-Northwest Cir

PLOT DATE : 9/27/2022 2:37 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	PLAN AND PROFILE - CTH L	SHEET 254	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\050104-PP.DWG
LAYOUT NAME - 4-CTH L

PLOT DATE : 9/27/2022 2:37 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

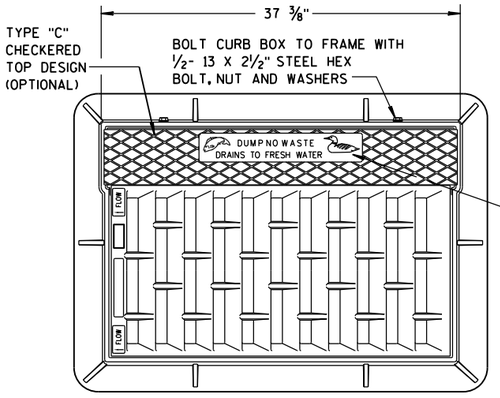
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D18-03	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
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
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
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
11B02-02	CONCRETE MEDIAN NOSE
13A10-02A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02B	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B24-09A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B28-04A	GUARDRAIL MOW STRIP
14B28-04B	GUARDRAIL MOW STRIP
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
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
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-22A	LONGITUDINAL MARKING (MAINLINE)
15C08-22B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-22C	PAVEMENT MARKING (TURN LANES)
15C08-22D	PAVEMENT MARKING (TURN LANES)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

6

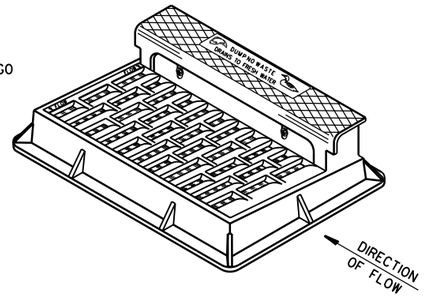
Standard Detail Drawing List

15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-06A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-06B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-06C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C34-03	STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKER, TYPE 2
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-06	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D32-06	TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

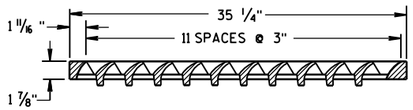
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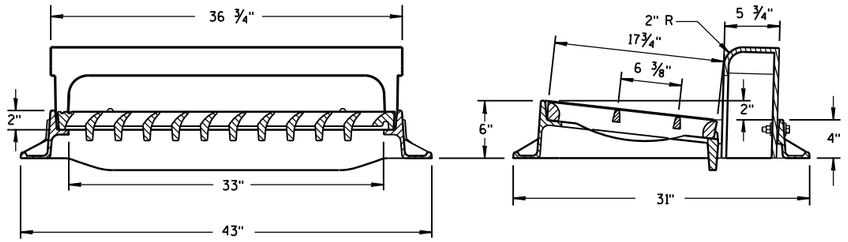


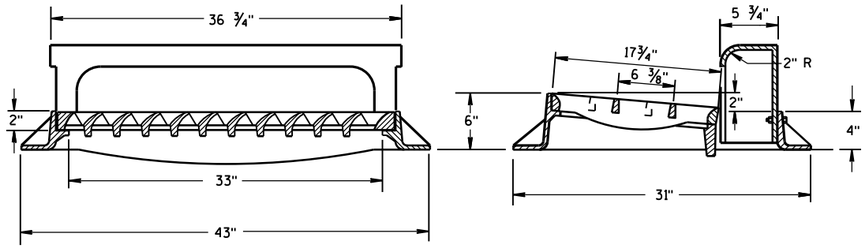
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

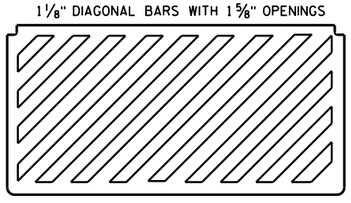






TYPE "H"

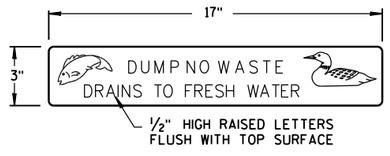
NOTE: EITHER CASTING IS ACCEPTABLE



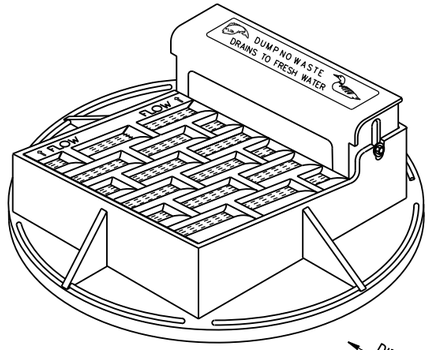
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

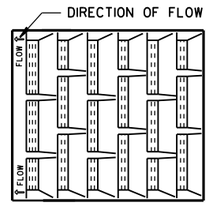
NOTE:
GRATE IS REVERSIBLE.

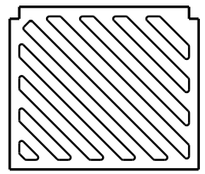
GENERAL NOTES

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.

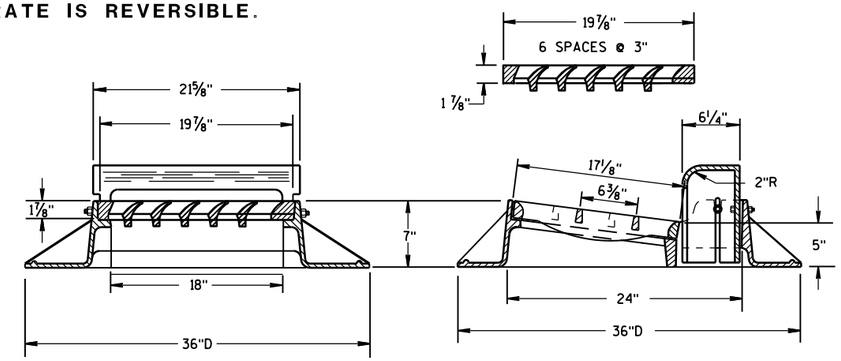




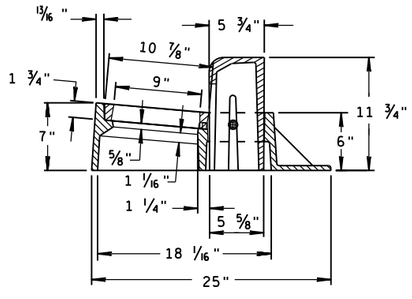
SPECIAL GRATE FOR TYPE "A" COVER

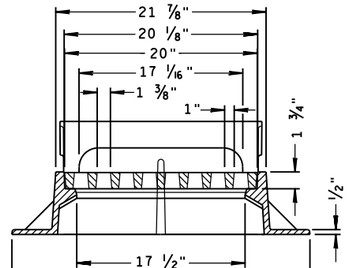
(MEASURES 19 3/4" X 17" X 1 7/8")

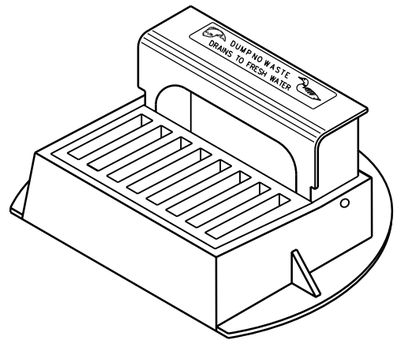
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

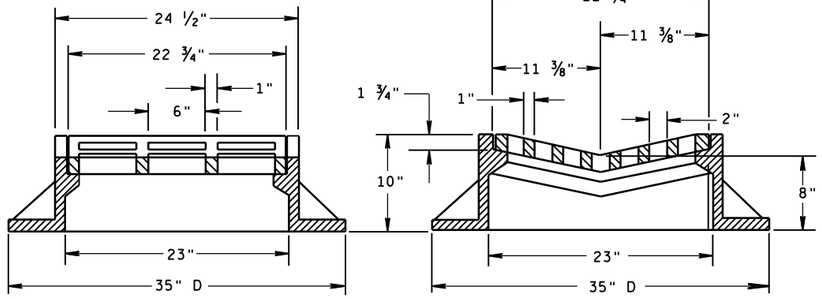
INLET COVERS
TYPE A, H, A-S, H-S & Z

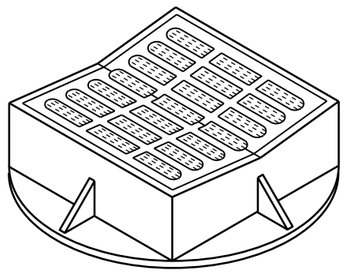
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

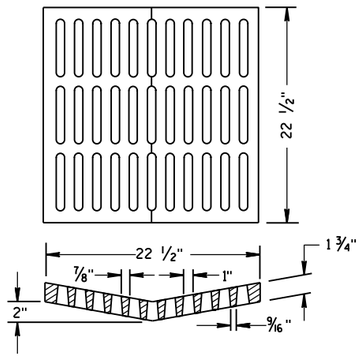
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S.D.D. 8 A 5-19a



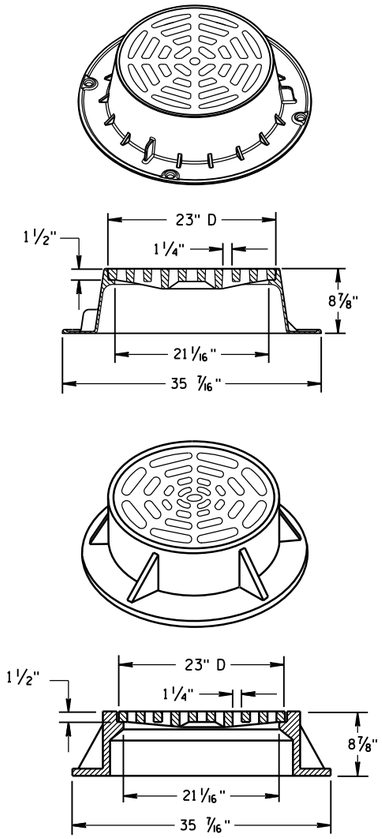


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

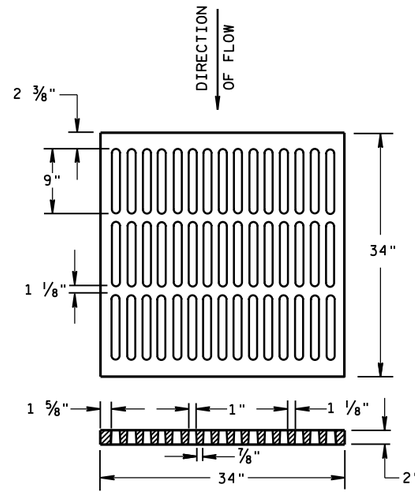
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

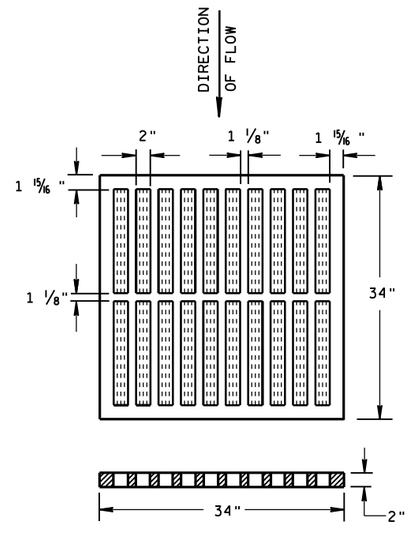
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



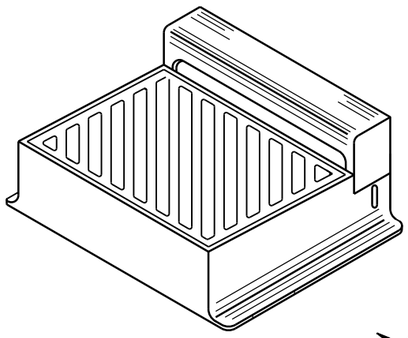
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

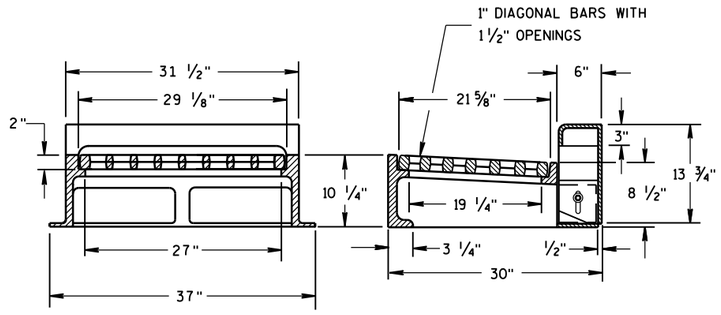


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

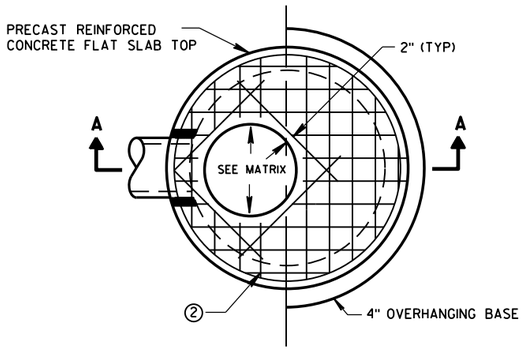
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

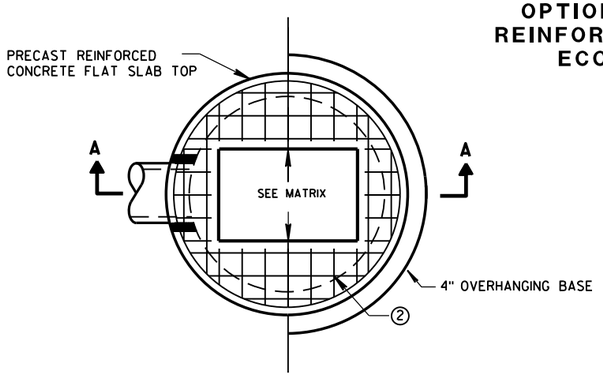
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

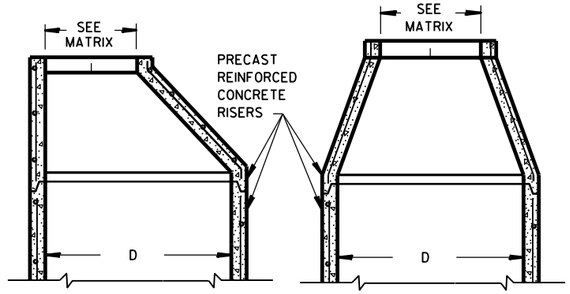
S.D.D. 8 A 5-19b



PLAN VIEW CIRCULAR OPENING

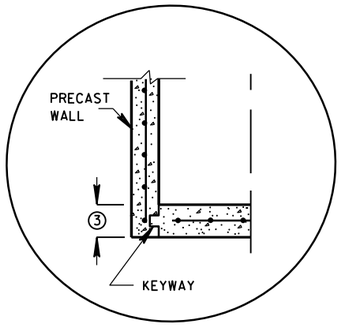


PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

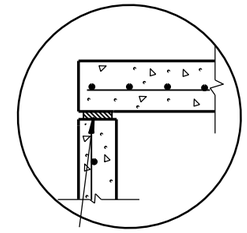
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

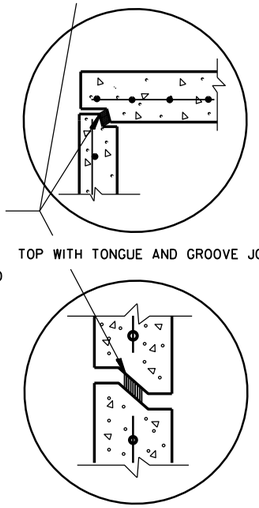
SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

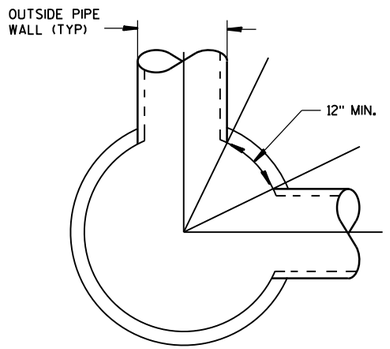
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



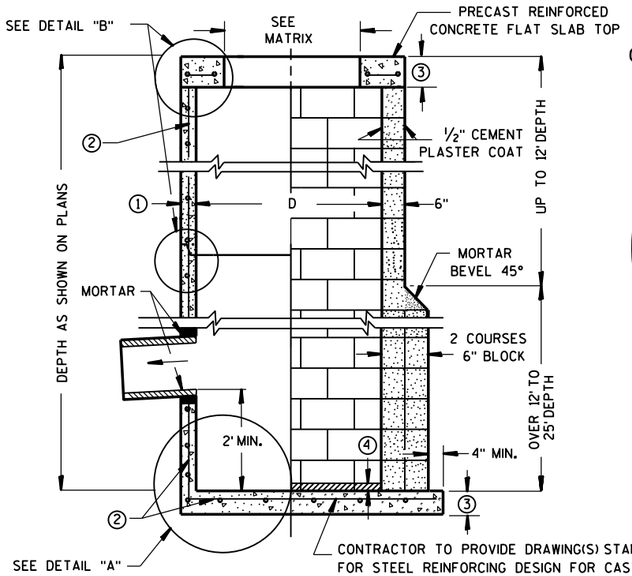
TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



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 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 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

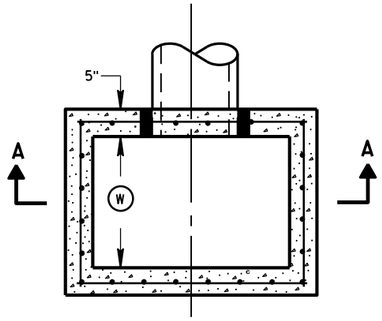
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

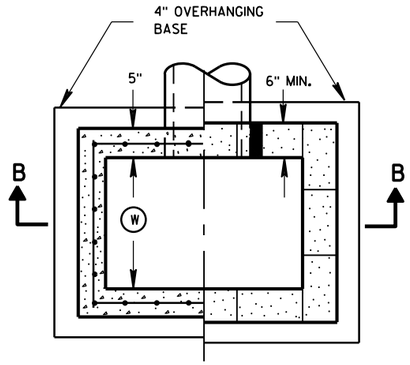
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

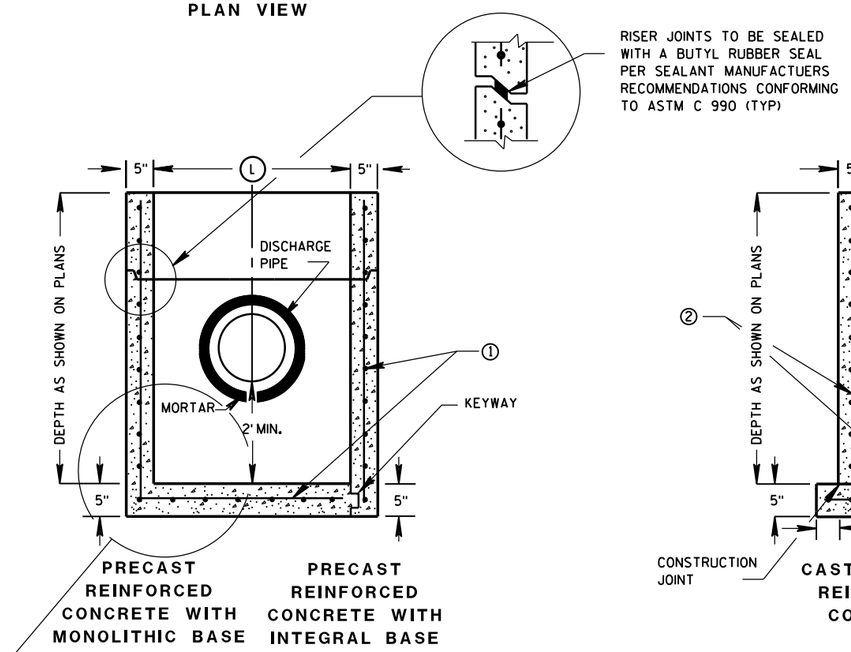
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER



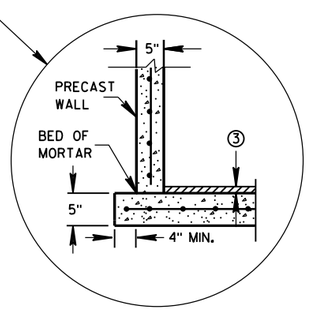
PLAN VIEW



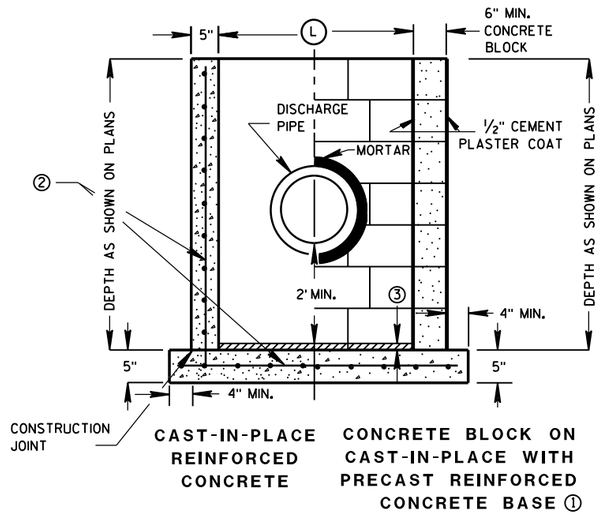
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

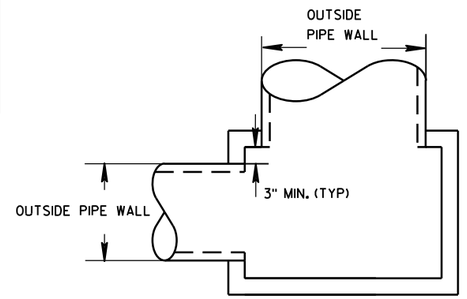
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS 2X3-FT AND 2.5X3-FT

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APPROVED
Sept., 2016
DATE
FHWA

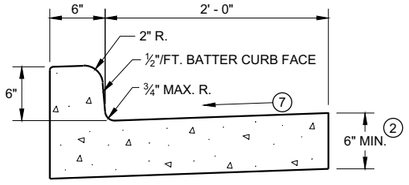
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

6

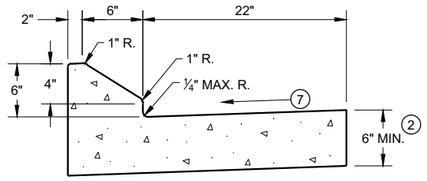
S.D.D. 8 A 9-2

6

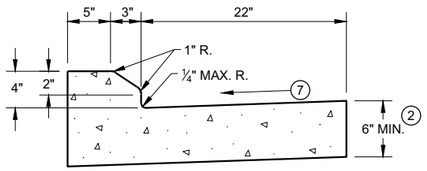
S.D.D. 8 A 9-2



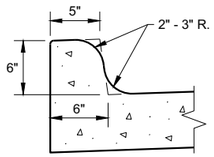
TYPES A (1) & D



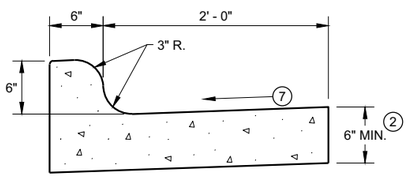
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

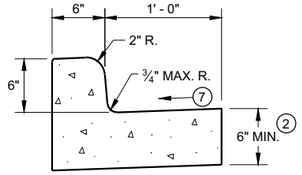


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



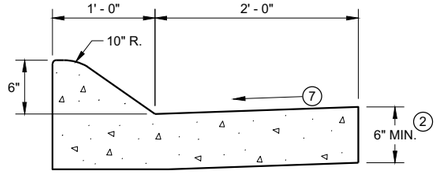
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

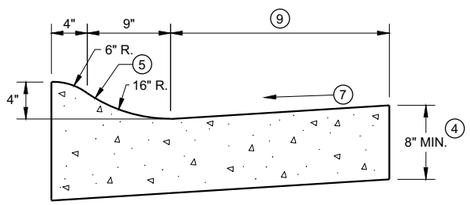
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

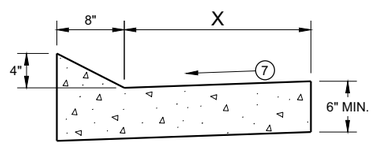
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

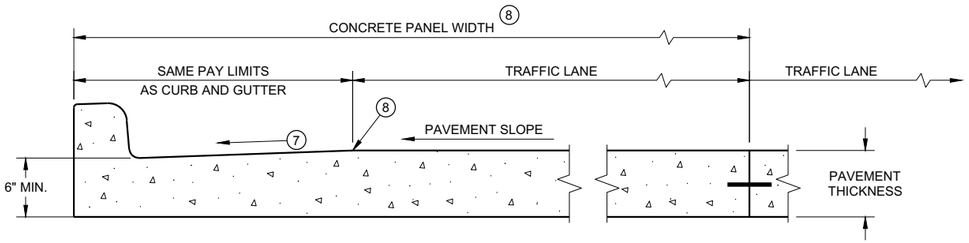


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

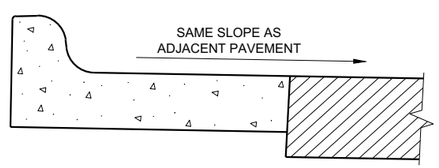
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

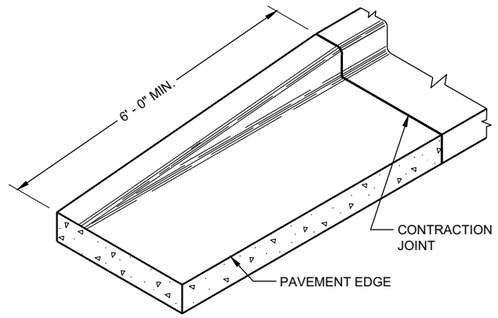
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

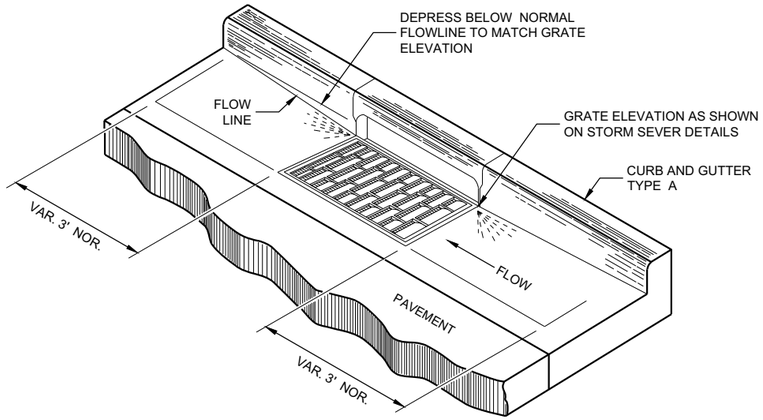
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D01 - 22a
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.

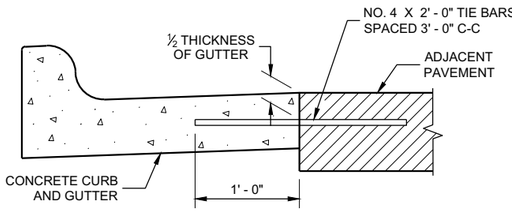
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

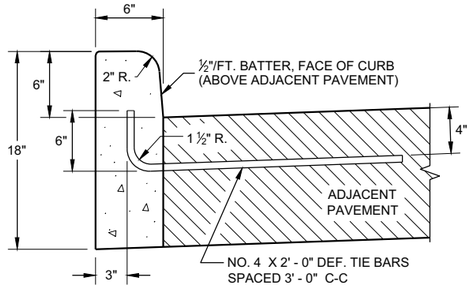
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

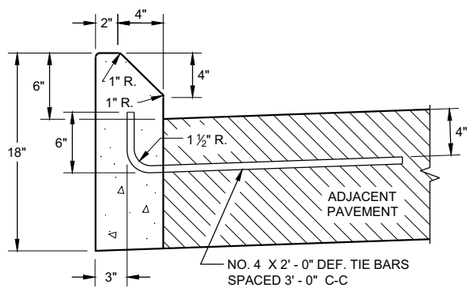
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

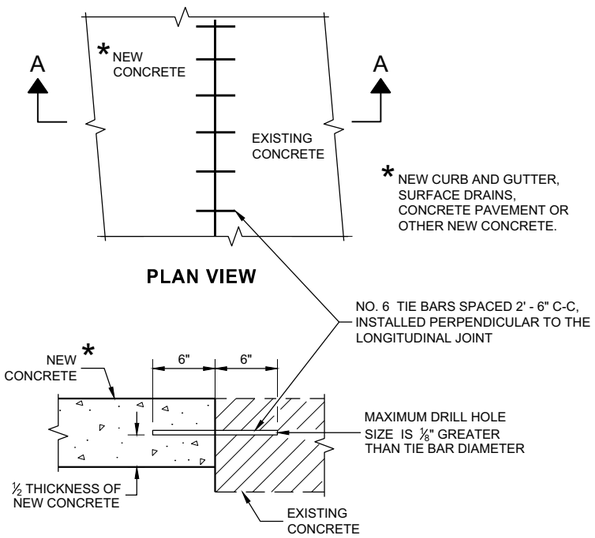


TYPES A (1) & D



TYPES G (1) & J

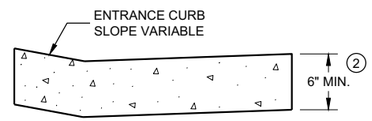
CONCRETE CURB



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

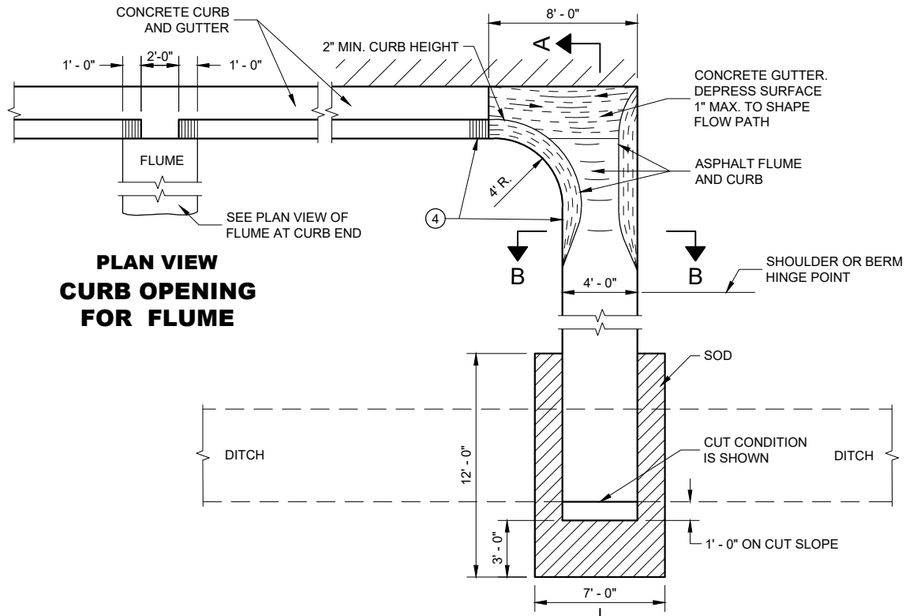
FHWA

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SDD08D01 - 22b

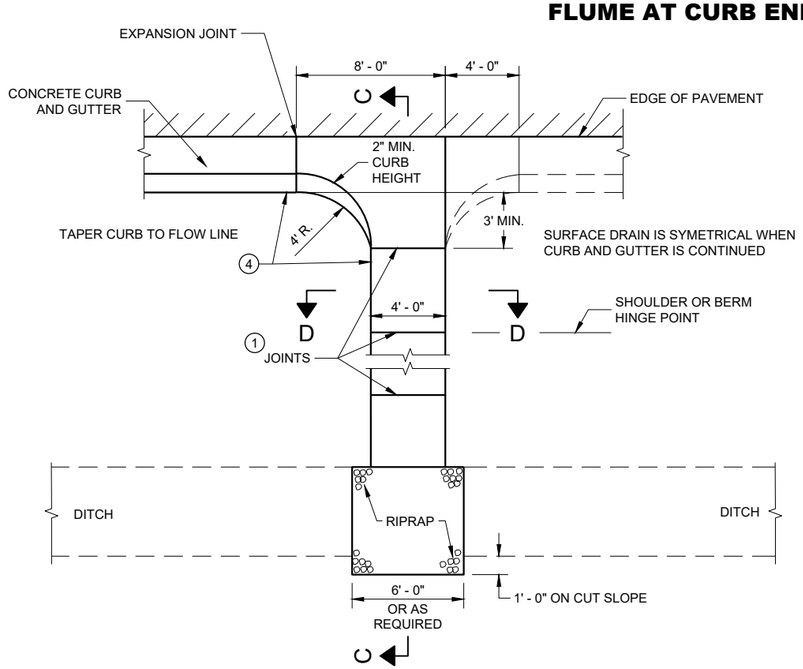
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



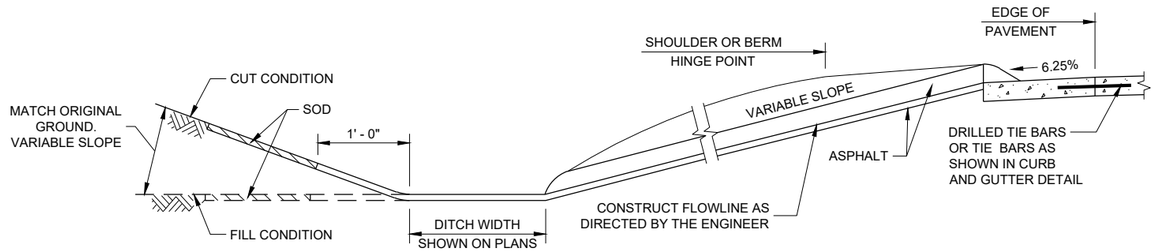
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

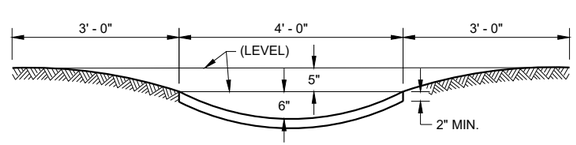
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

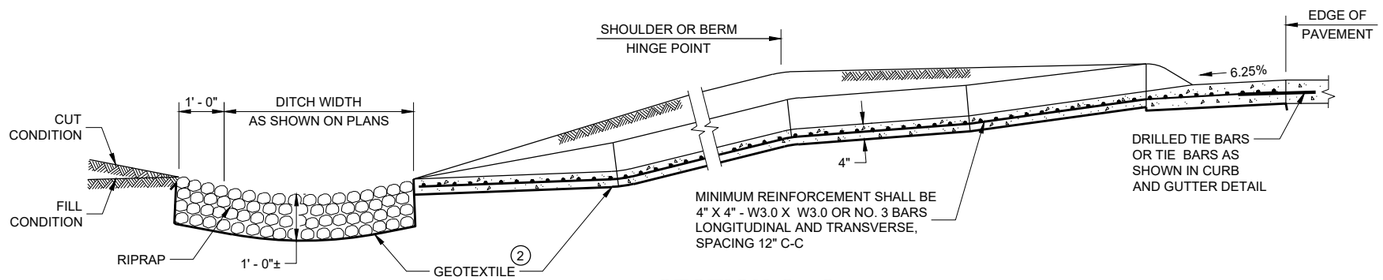
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. 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.



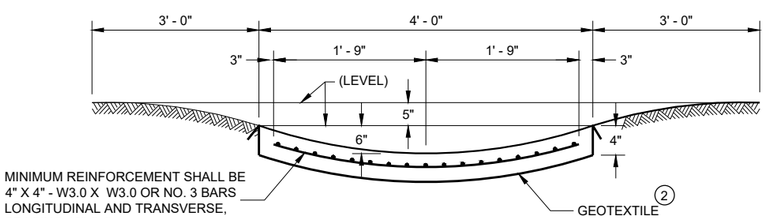
SECTION A - A



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

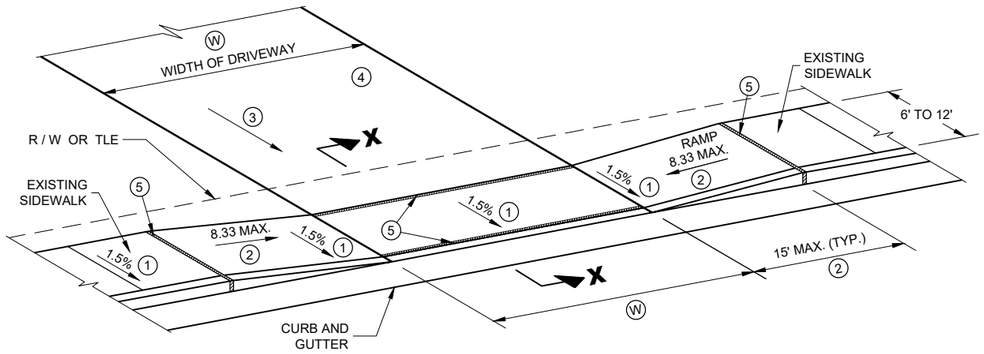
FHWA

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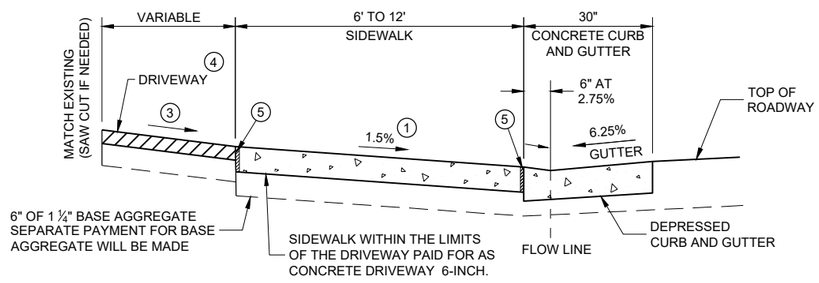
SDD 08D04 - 06

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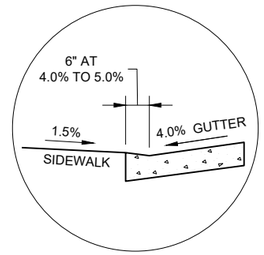
SDD 08D04 - 06



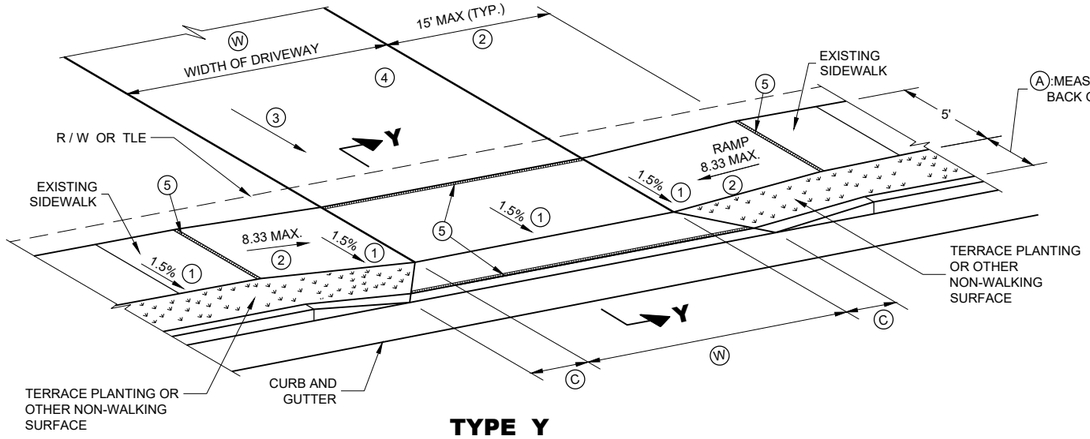
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



SECTION X - X
4% GUTTER SLOPE



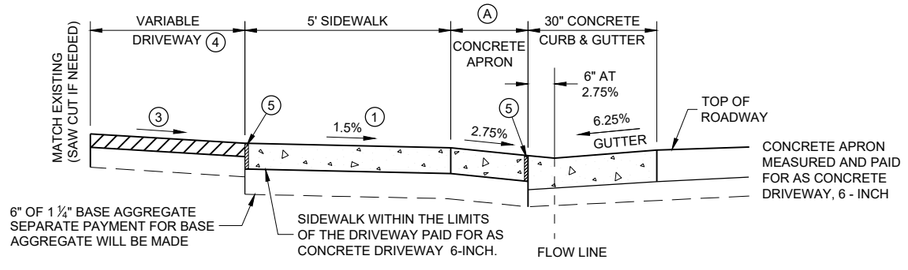
TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

W: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

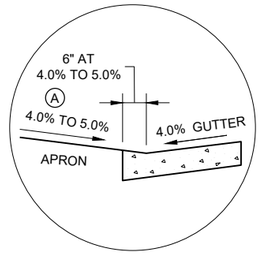
16' MIN. - 35' MAX. COMMERCIAL (CE)

TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

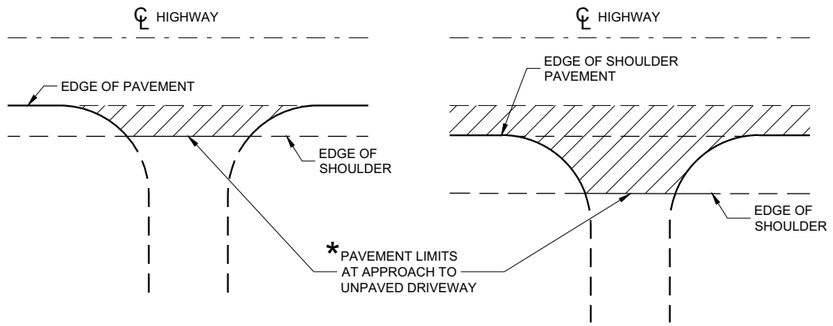
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08D18 - 03

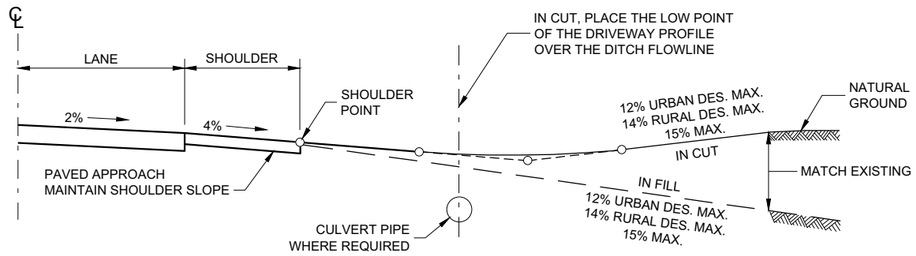
SDD 08D18 - 03



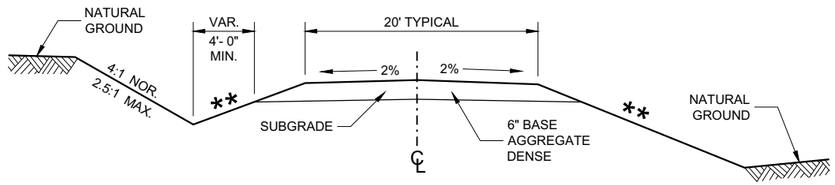
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

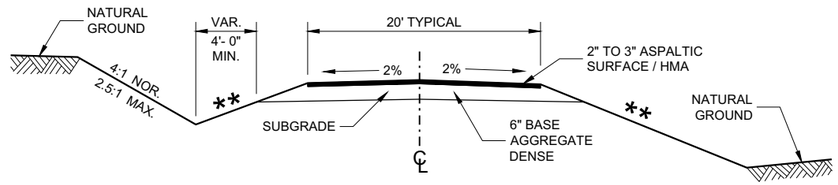


IN CUT **IN FILL**

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

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

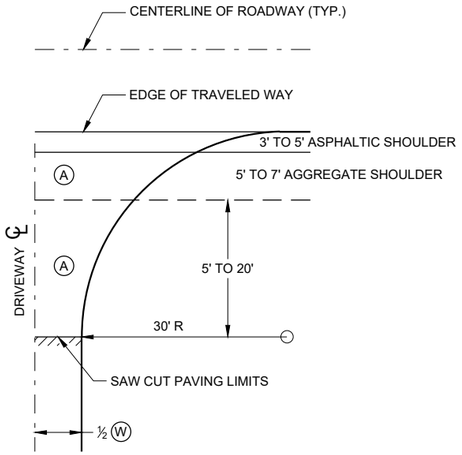
FHWA

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SDD 08D21 - 01

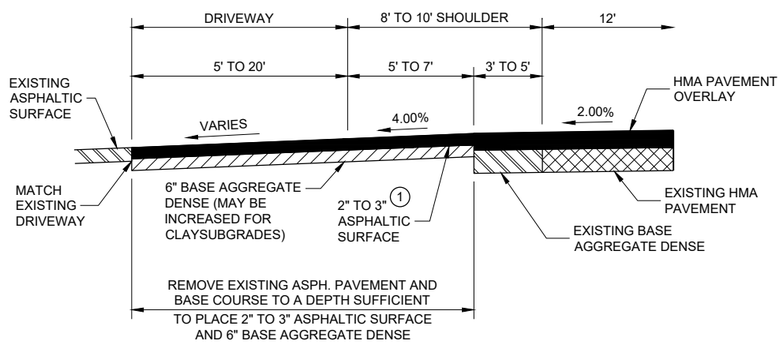
GENERAL NOTES

(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.



PLAN VIEW

HALF SECTION



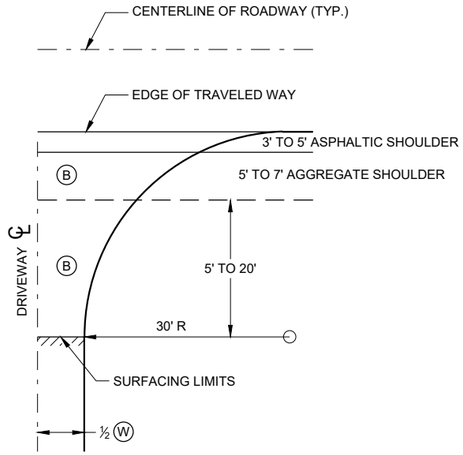
PROFILE VIEW

RURAL ENTRANCE
WITH ASPHALTIC SURFACE
RESURFACING PROJECTS

(A) : PAID FOR AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. (TON)

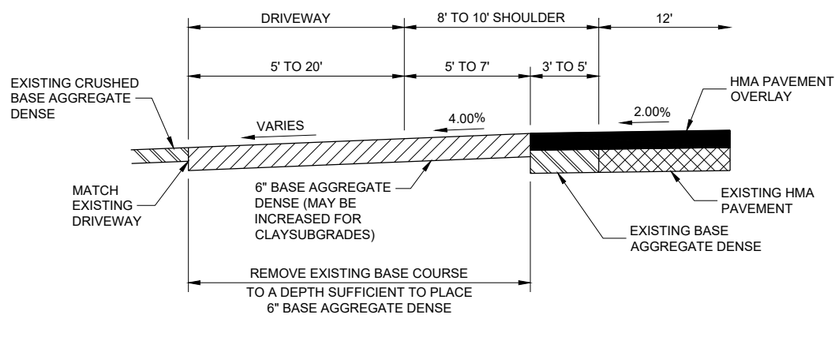
(B) : PAID FOR AS BASE AGGREGATE DENSE 1 ¼" (TON)

(W) : DRIVEWAY WIDTH 16' MIN. - 24' MAX.



PLAN VIEW

HALF SECTION



PROFILE VIEW

RURAL ENTRANCE
WITH AGGREGATE SURFACE
6" BASE AGGREGATE DENSE
RESURFACING PROJECTS

DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

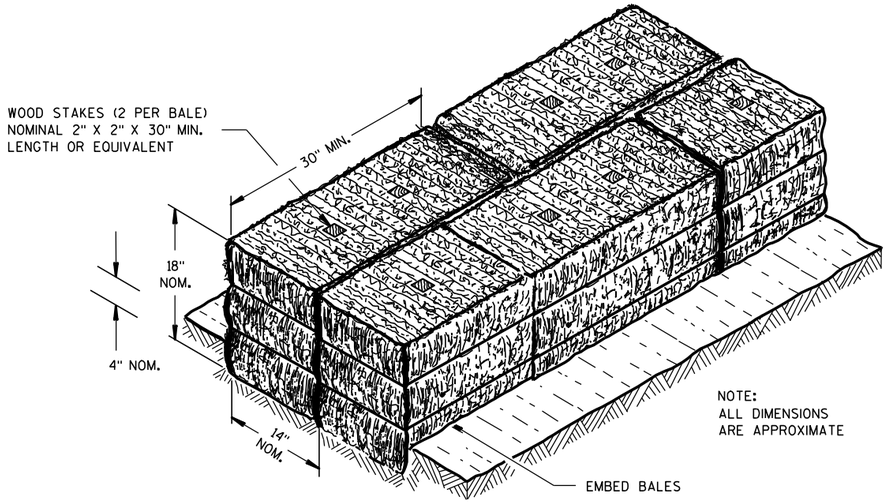
APPROVED
December 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

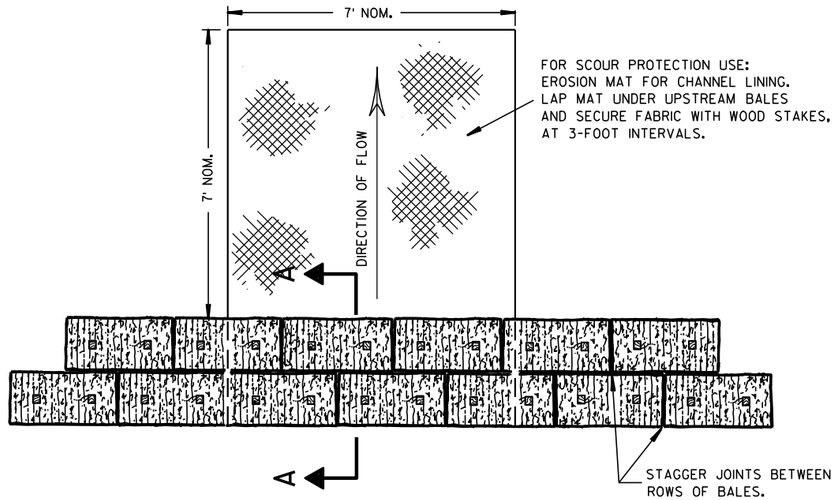
FHWA

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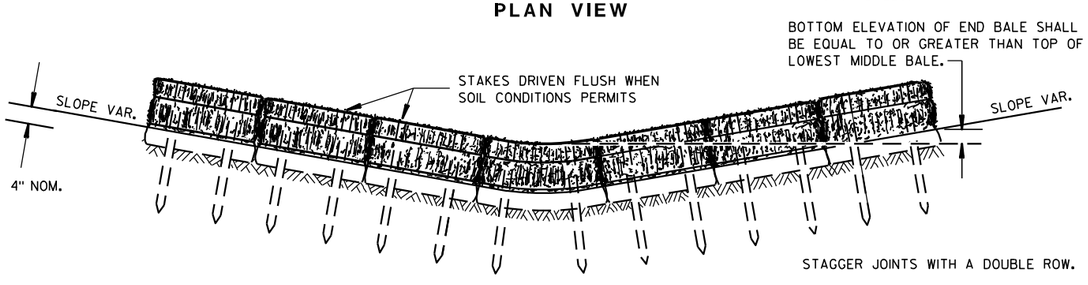
SDD 08D22 - 01



SECTION A-A



PLAN VIEW



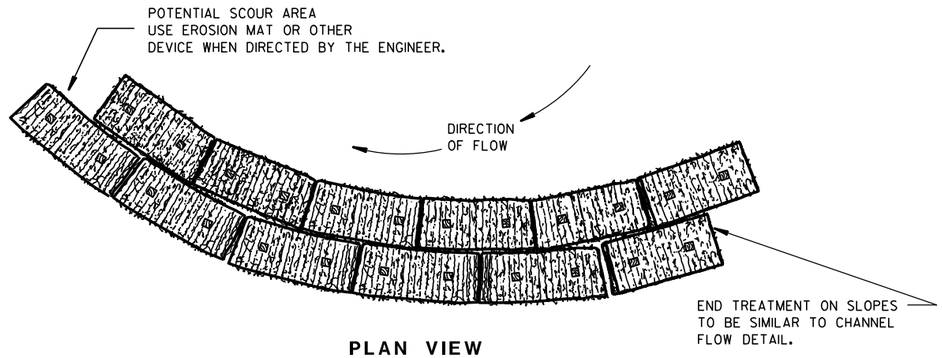
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

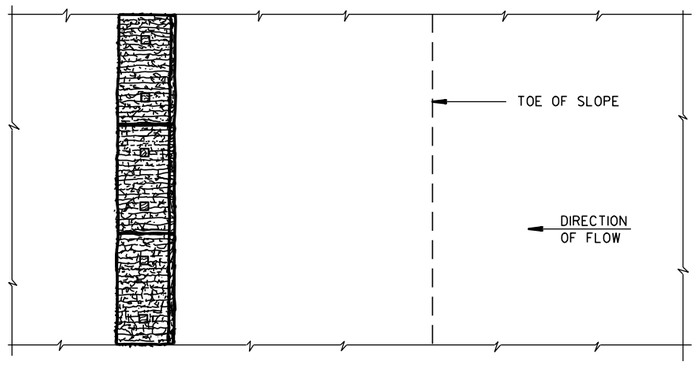
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

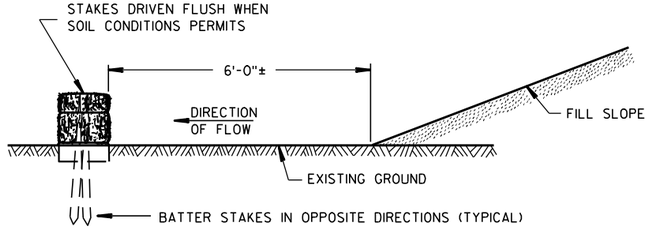


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

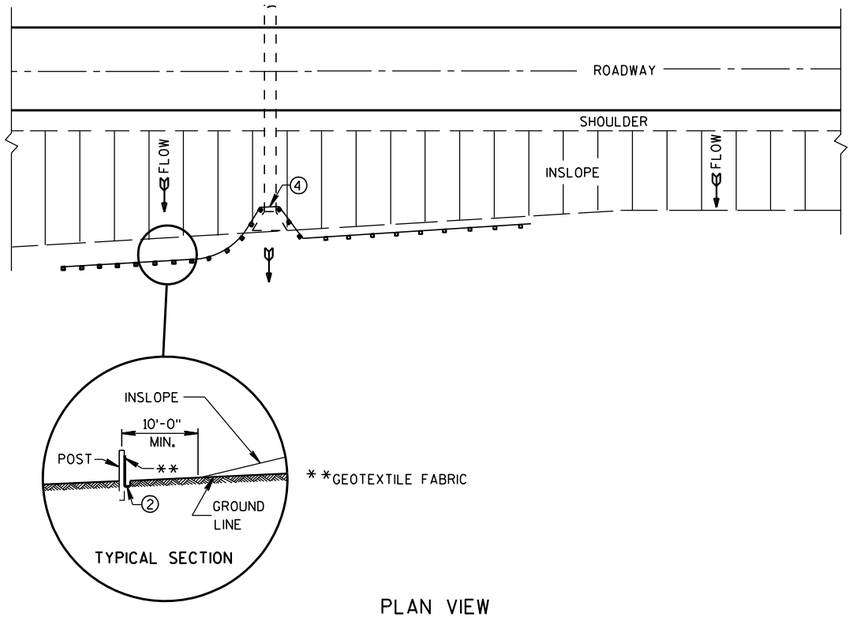
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

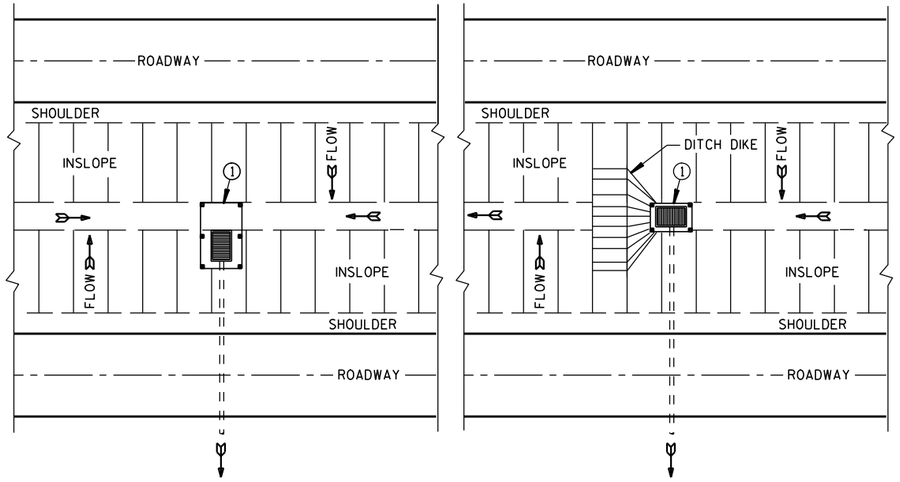
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



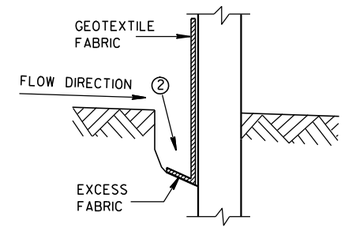
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

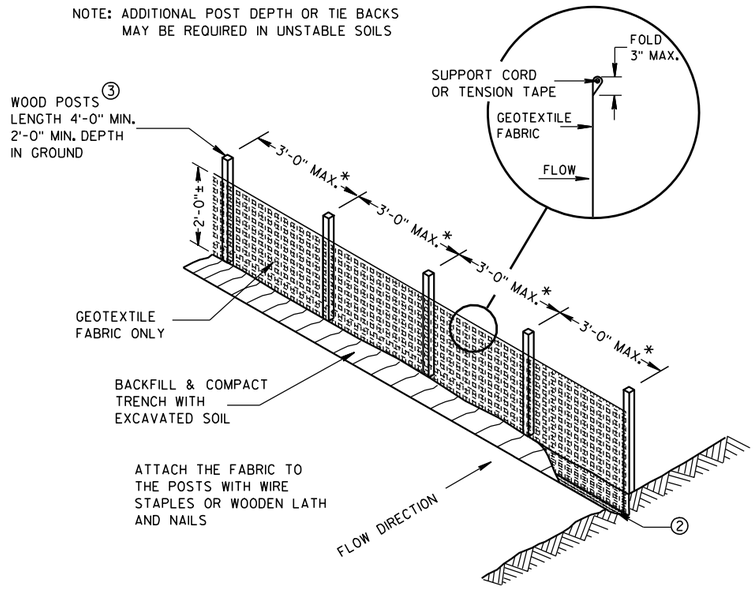
GENERAL NOTES

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

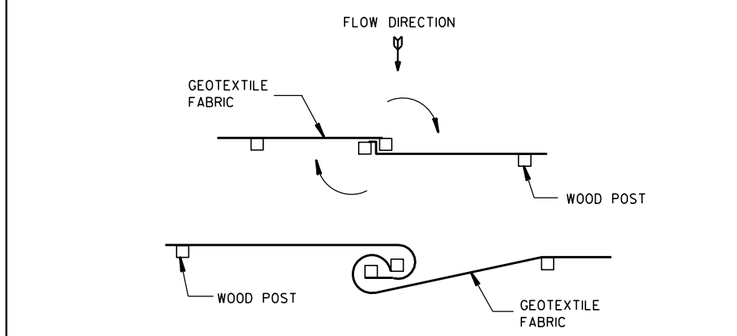
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



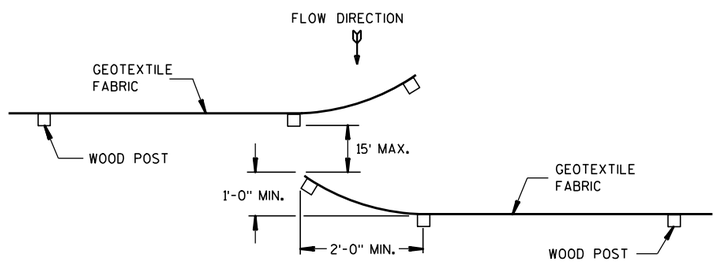
TRENCH DETAIL



SILT FENCE

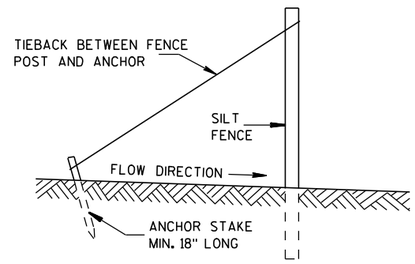


TWIST METHOD



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

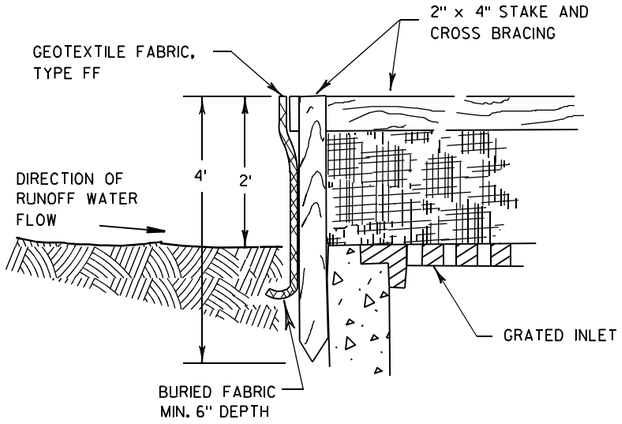
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

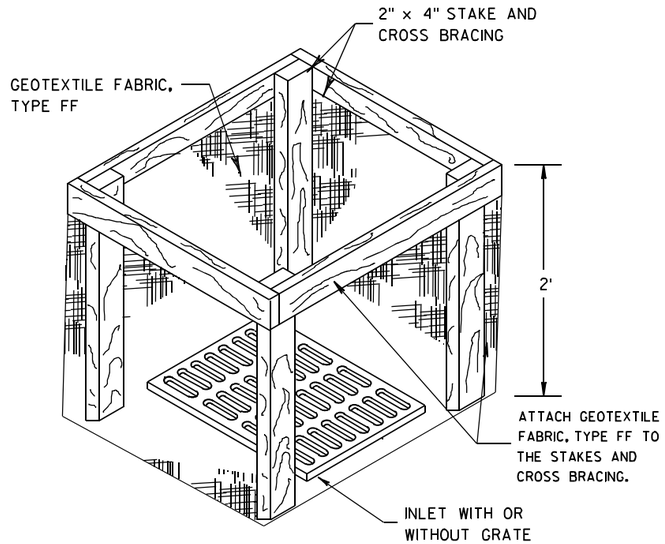
6

S.D.D. 8 E 9-6

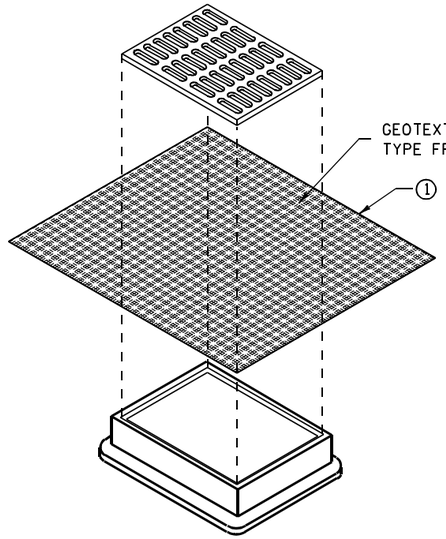
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S.D.D. 8 E 9-6



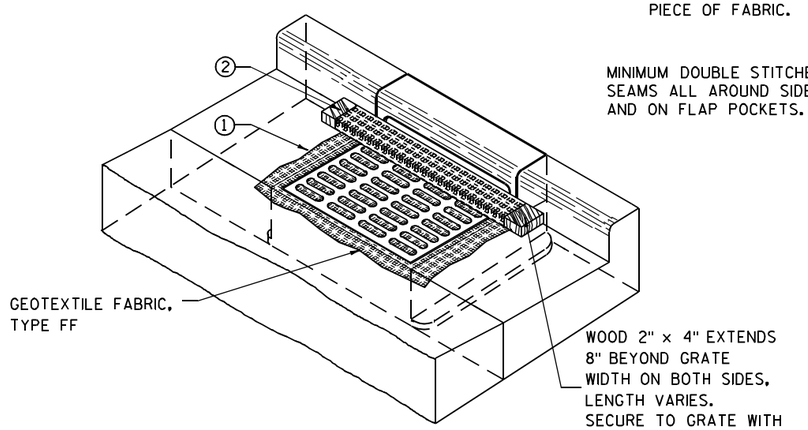


INLET PROTECTION, TYPE A

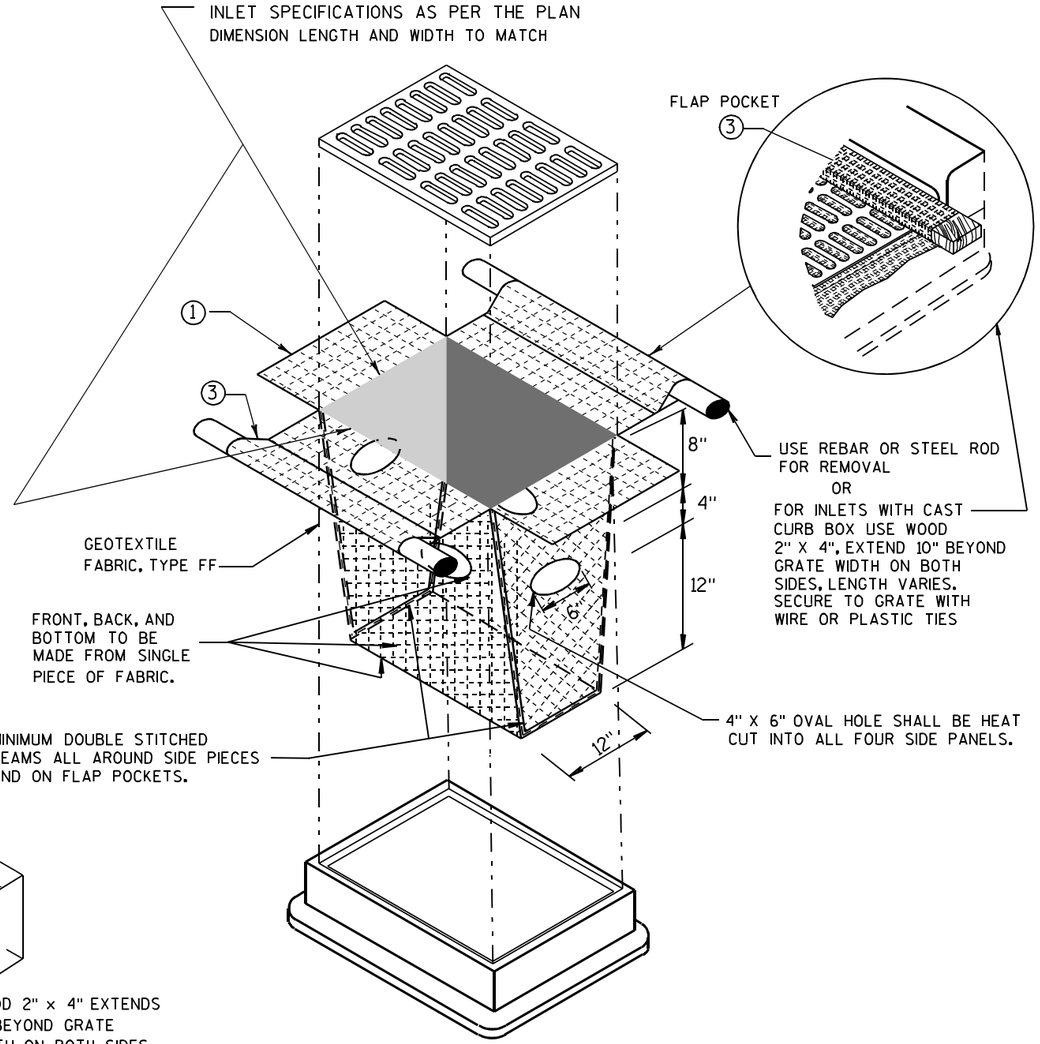


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

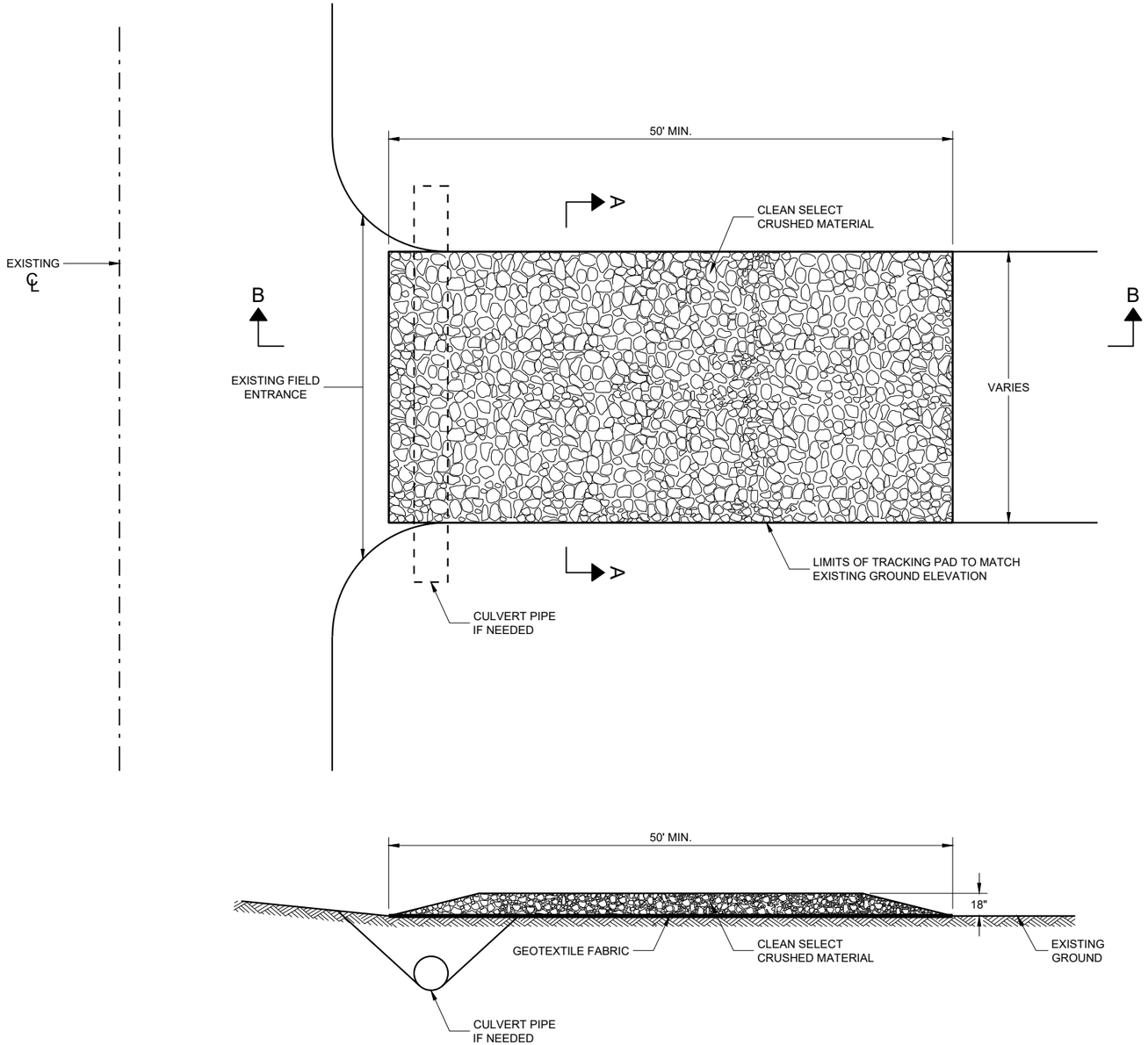
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

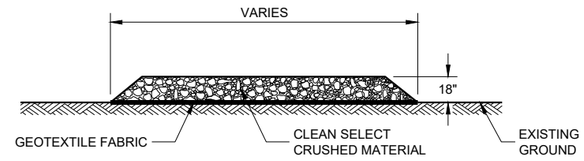
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

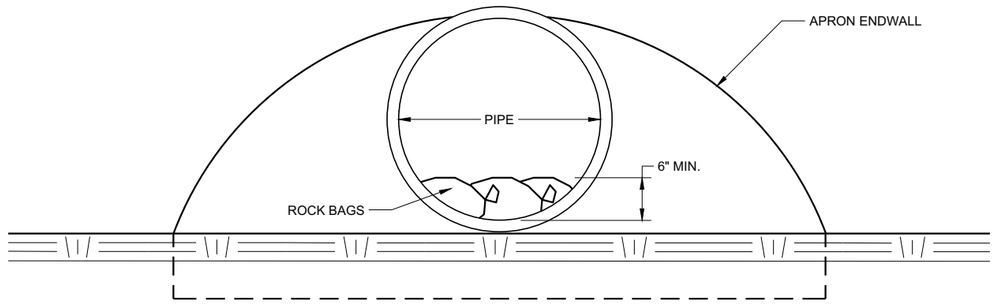
FHWA

6

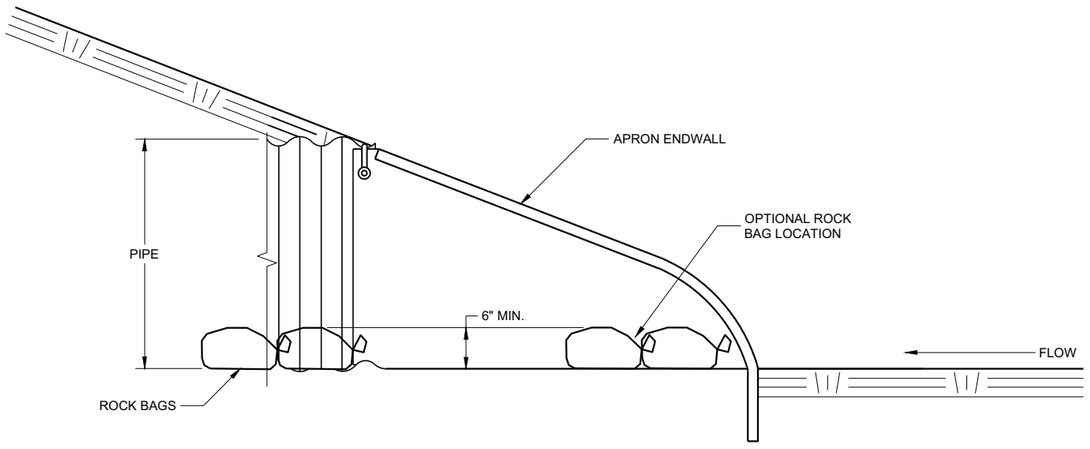
SDD 08E14 - 01

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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

6

SDD 08E15 - 01

METAL APRON ENDWALLS

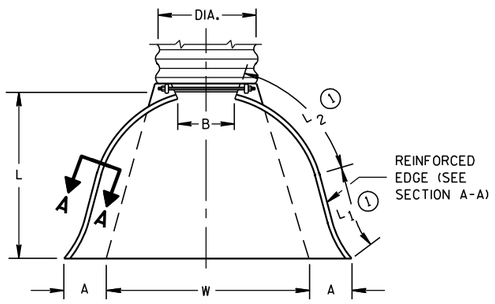
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

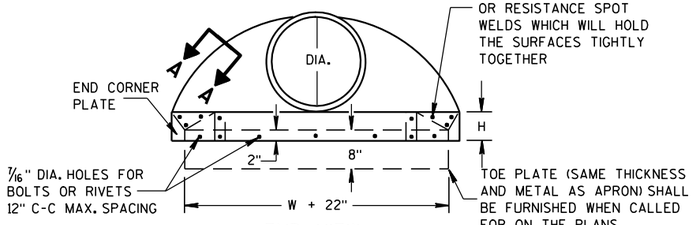
REINFORCED CONCRETE APRON ENDWALLS

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

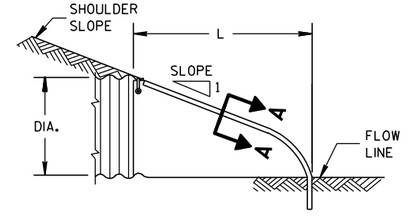
*MINIMUM
**MAXIMUM



PLAN VIEW

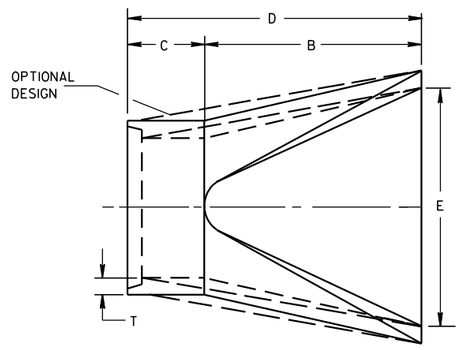


END VIEW

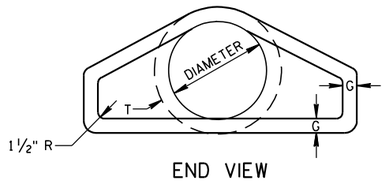


SIDE ELEVATION

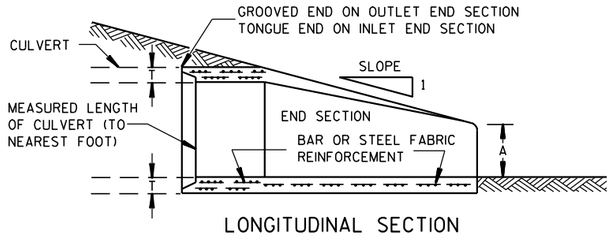
METAL ENDWALLS



PLAN

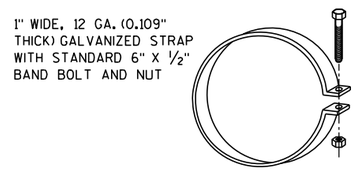


END VIEW



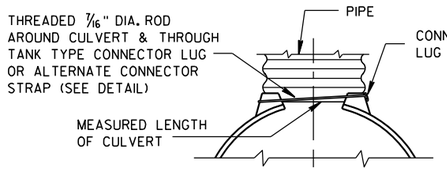
LONGITUDINAL SECTION

CONCRETE ENDWALLS

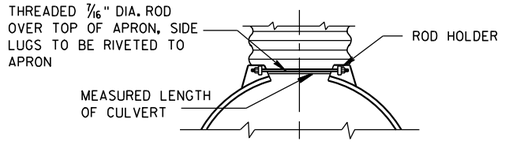


ALTERNATE FOR TYPE 1 CONNECTION

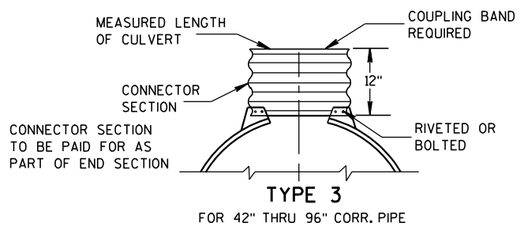
END SECTION CONNECTOR STRAP



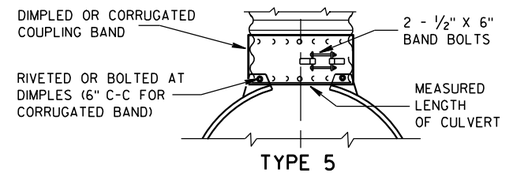
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

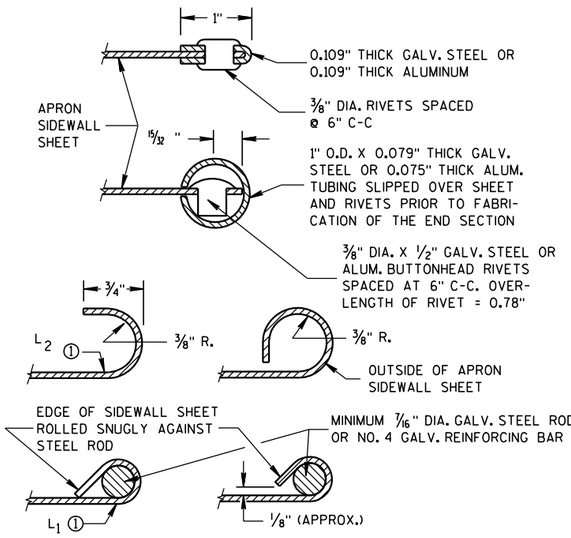
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

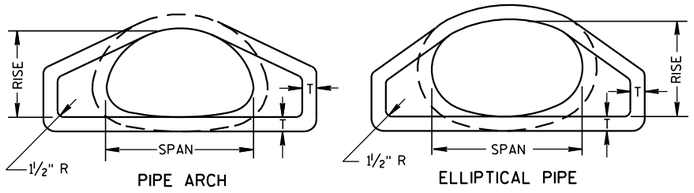
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

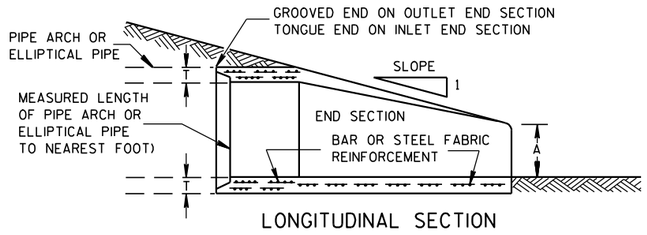
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

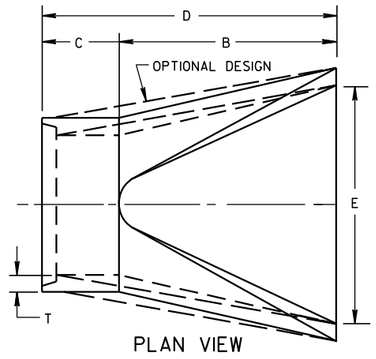
6
S.D.D. 8 F 1-11



END VIEW

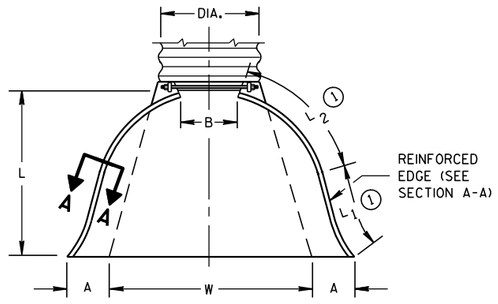


LONGITUDINAL SECTION

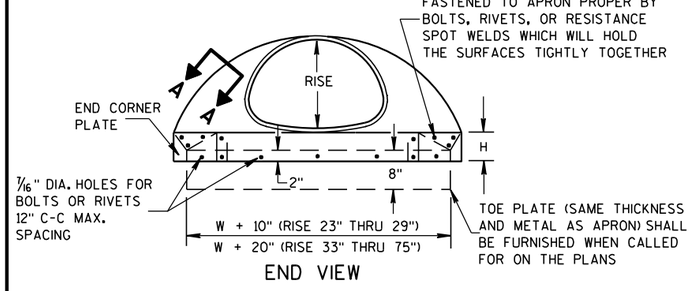


PLAN VIEW

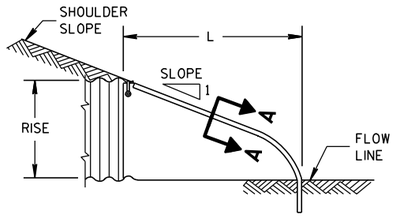
CONCRETE ENDWALLS



PLAN VIEW

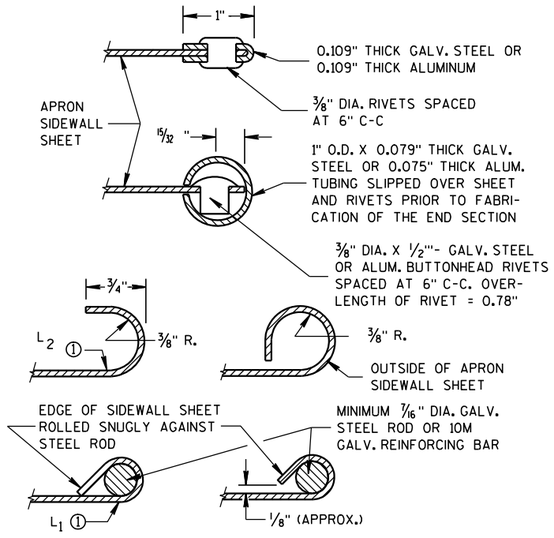


END VIEW



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

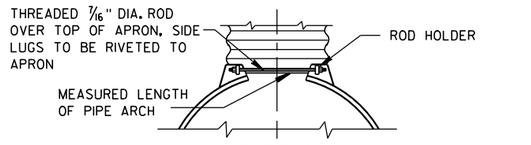
REINFORCED CONCRETE PIPE ARCH

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

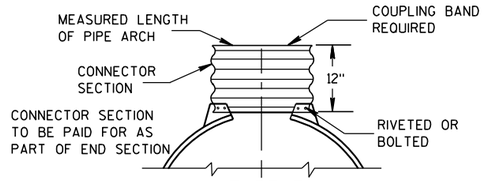
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



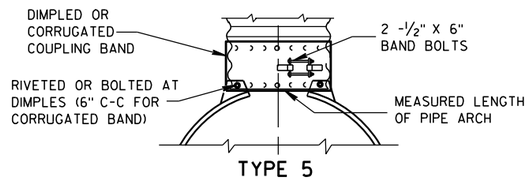
TYPE 2

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

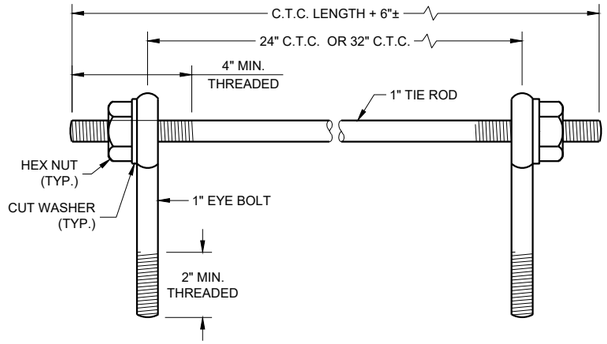
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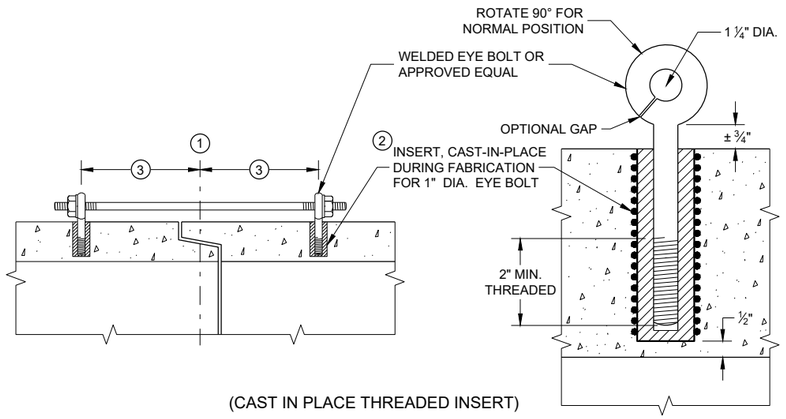
S.D.D. 8 F 2-1

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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.

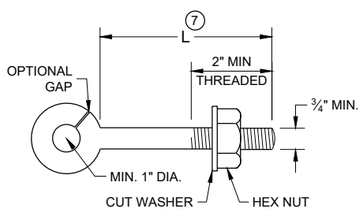
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

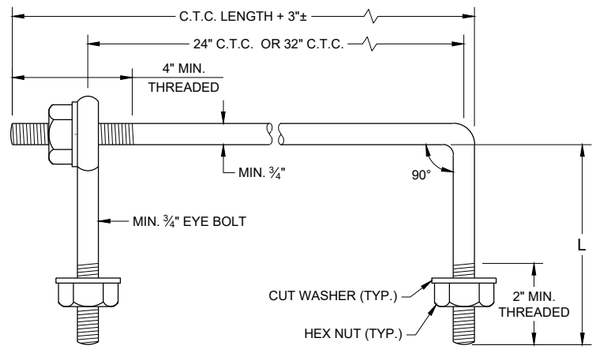
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

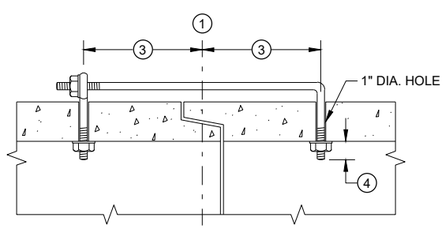


EYE BOLT (7)

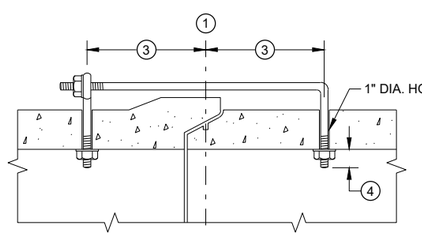
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

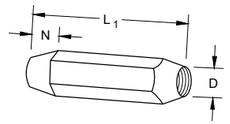
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

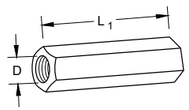
ADJUSTABLE TIE ROD TABLE

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



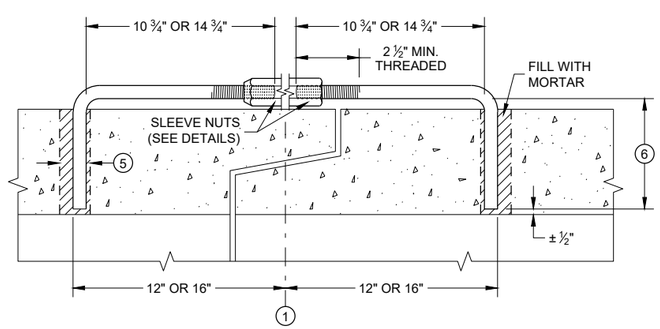
TAPERED



PLAIN

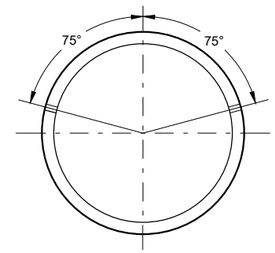
RIGHT AND LEFT THREADS

SLEEVE NUTS



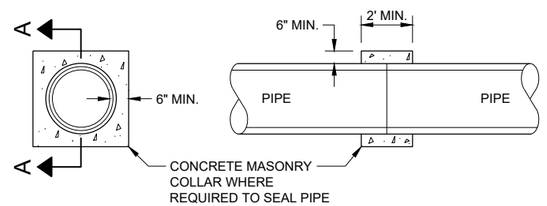
LONGITUDINAL SECTION

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

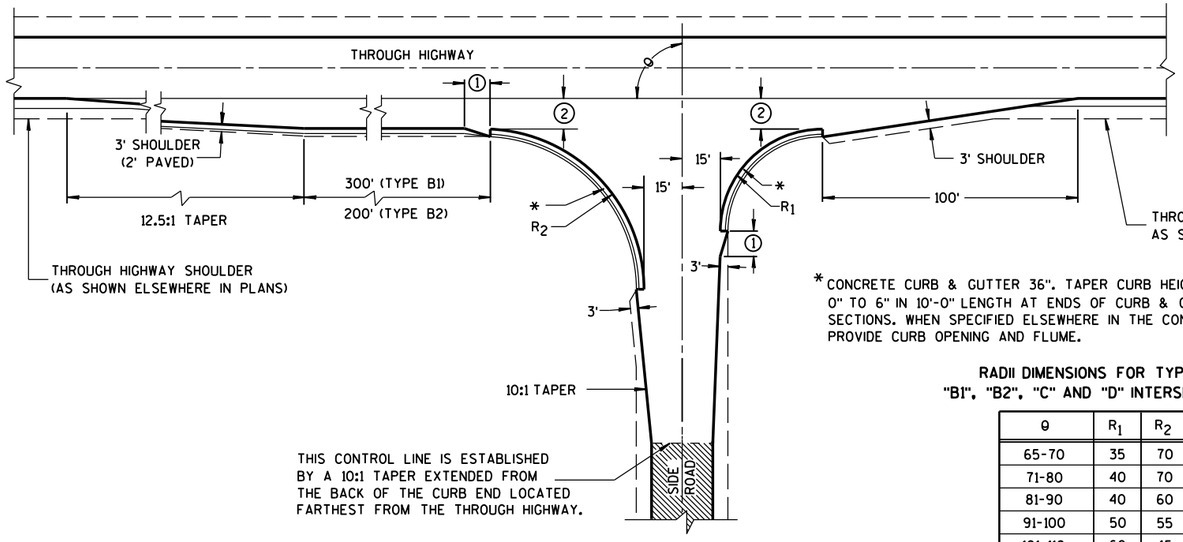
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

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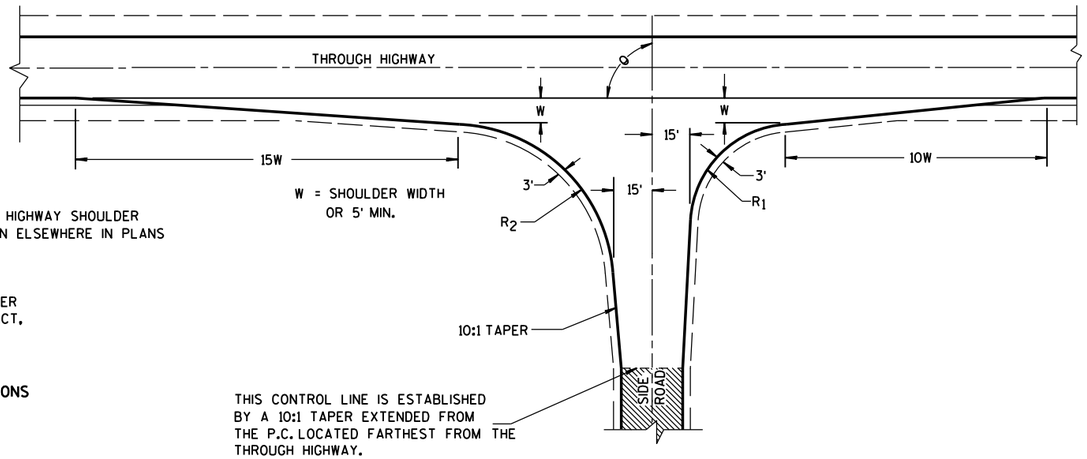


TYPE "B1" AND "B2"

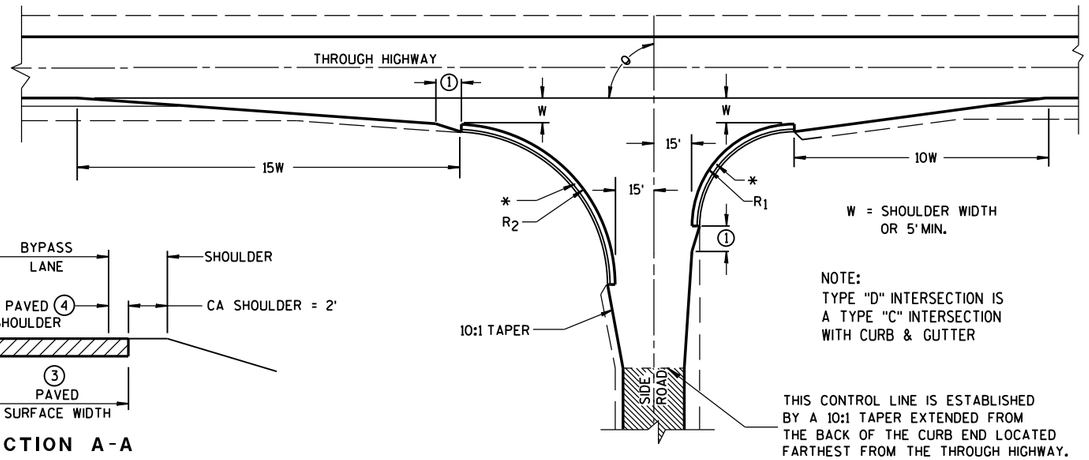
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

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



TYPE "C"



TYPE "D"

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.

EXISTING PAVED SURFACE

BYPASS LANE

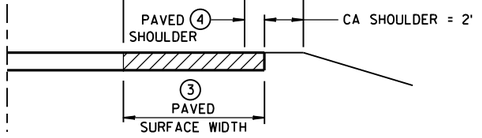
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

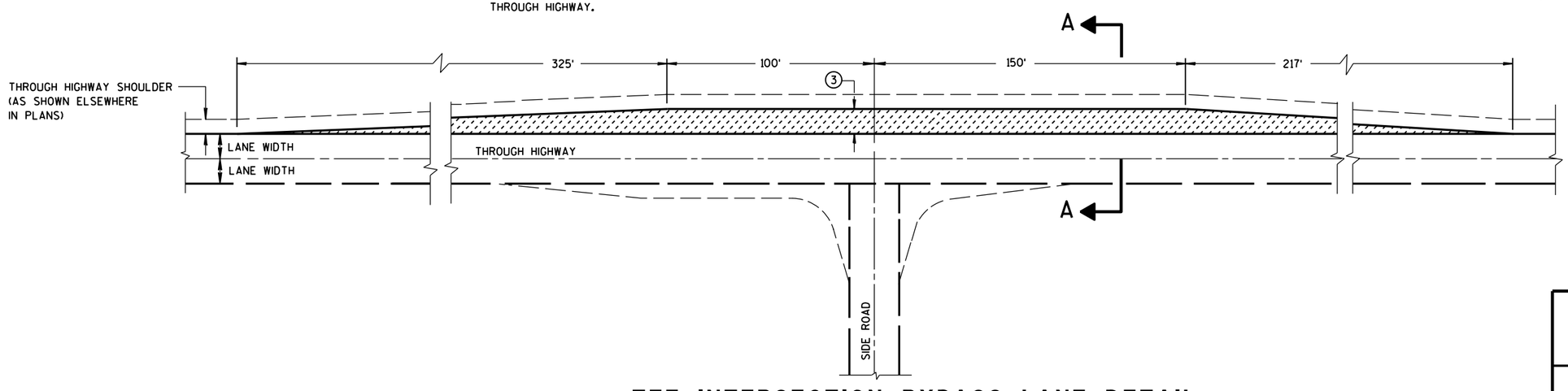
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 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.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)

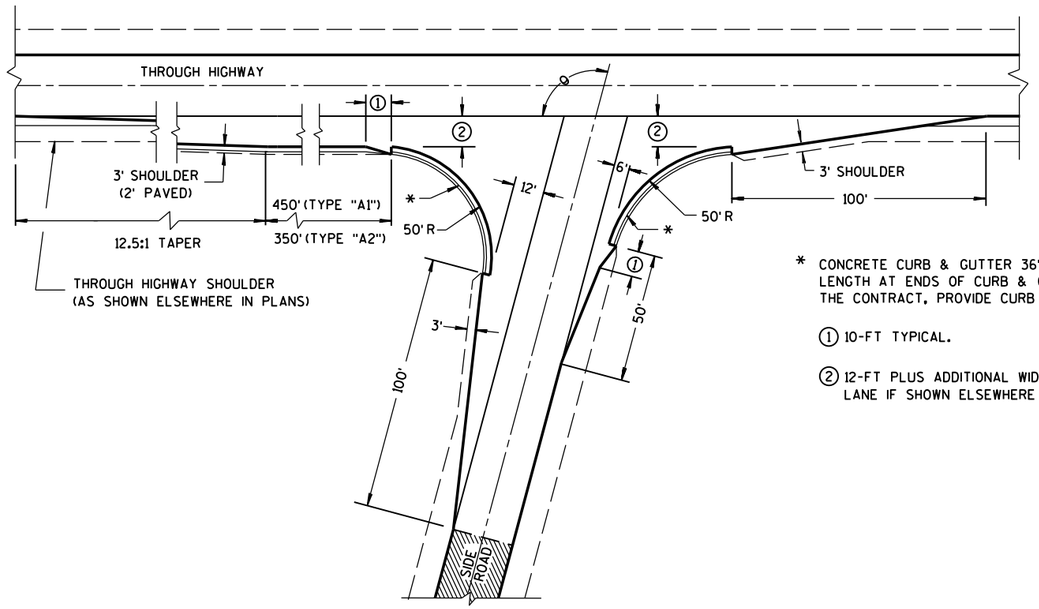


TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

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S.D.D. 9 A 1-13a



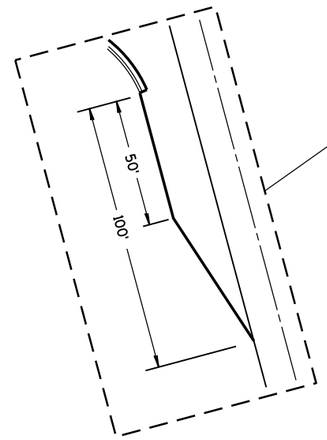
θ = MORE THAN 80°

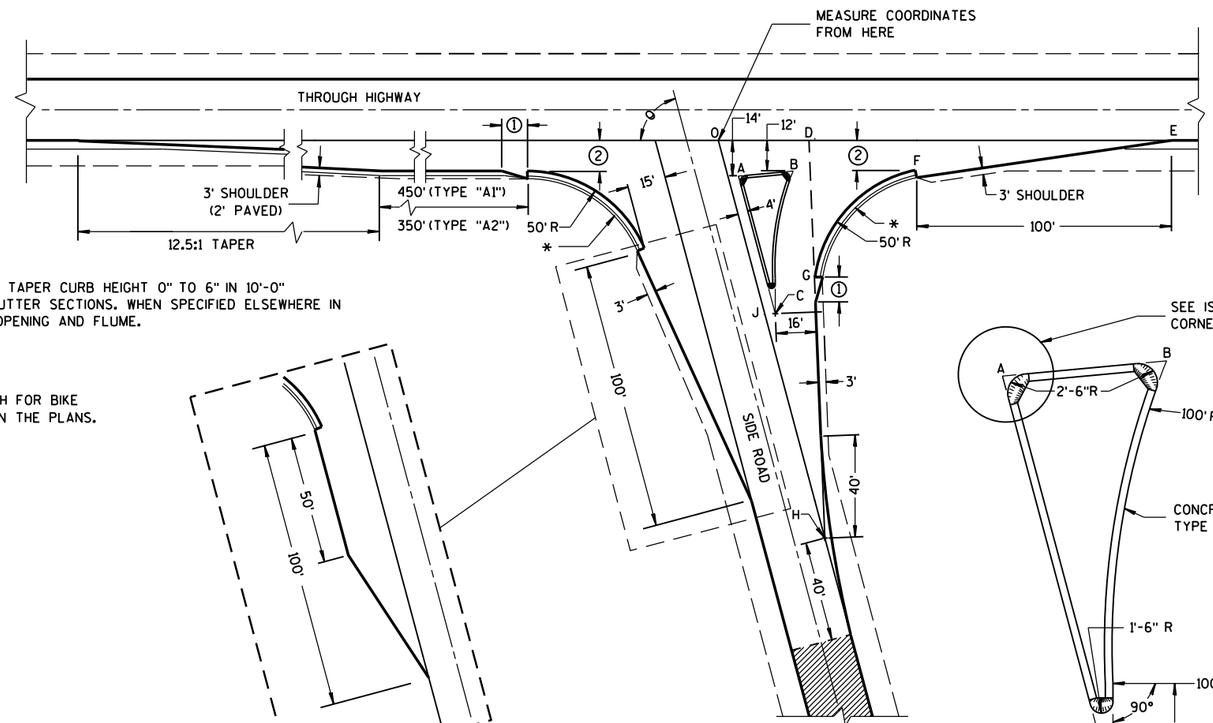
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

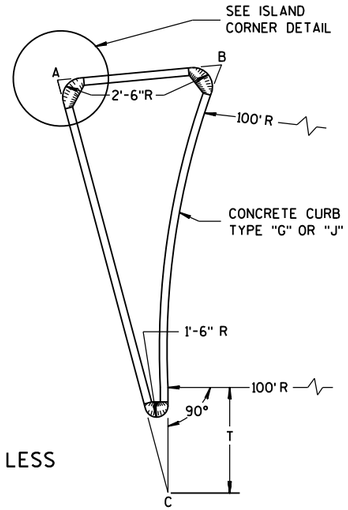
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE





θ = ACUTE ANGLES 80° OR LESS

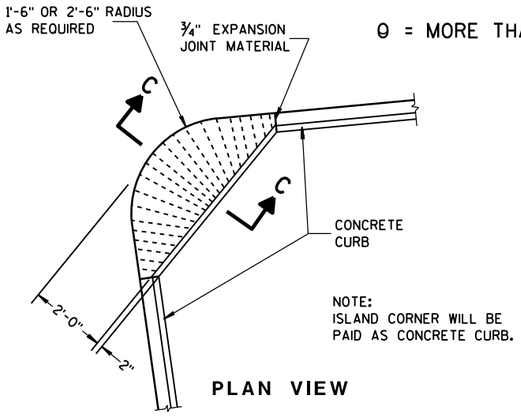


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS

TABLE OF DIMENSIONS FOR
VARIABLE SIDE ROAD INTERSECTION ANGLES
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

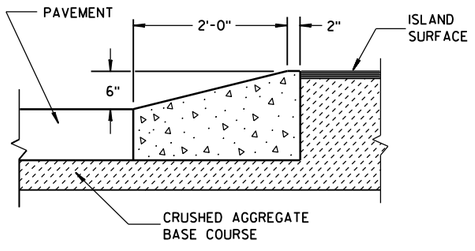
ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS



NOTE:
ISLAND CORNER WILL BE PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

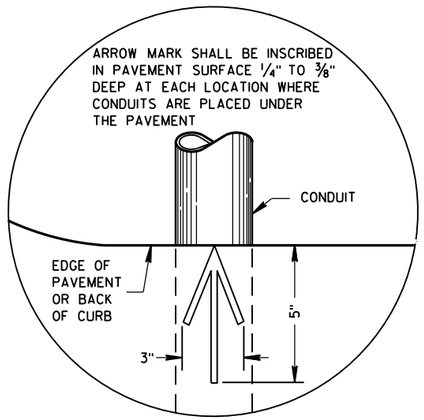
(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

AT-GRADE SIDE ROAD
INTERSECTION, TYPE "A1" & "A2"

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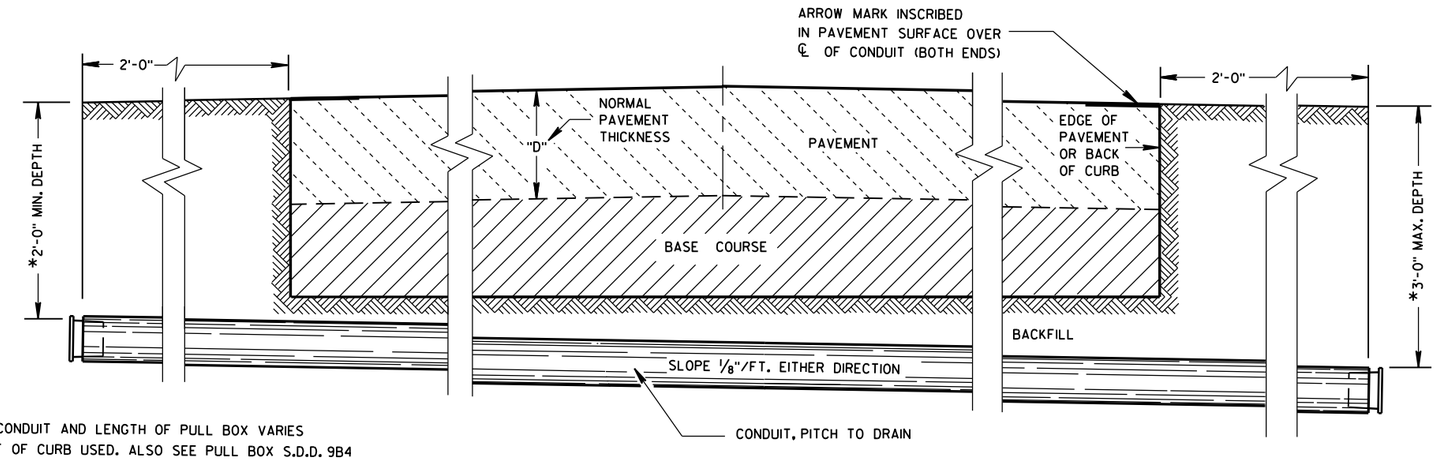
APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 9 A 1-13b



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.

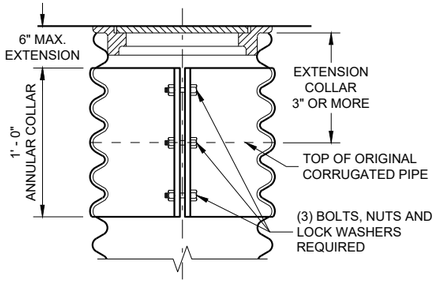
CONDUIT

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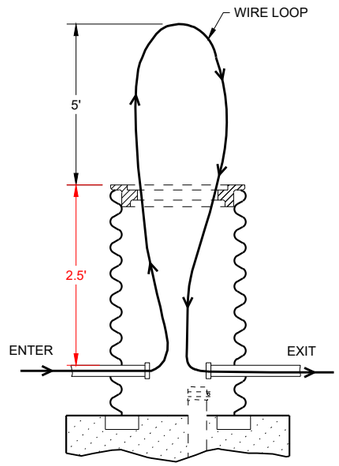
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 277
FHWA

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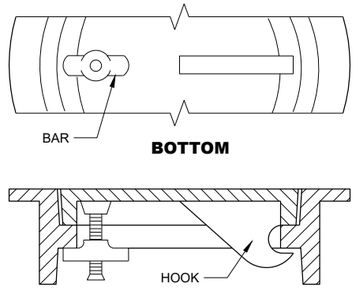
S.D.D. 9 B 2-10



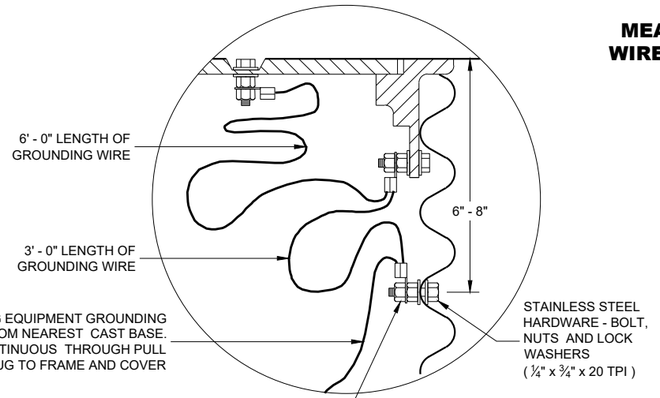
CORRUGATED PIPE EXTENDER



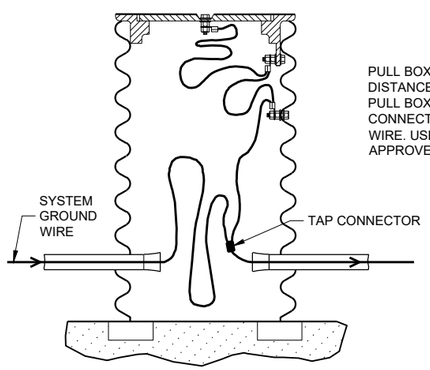
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

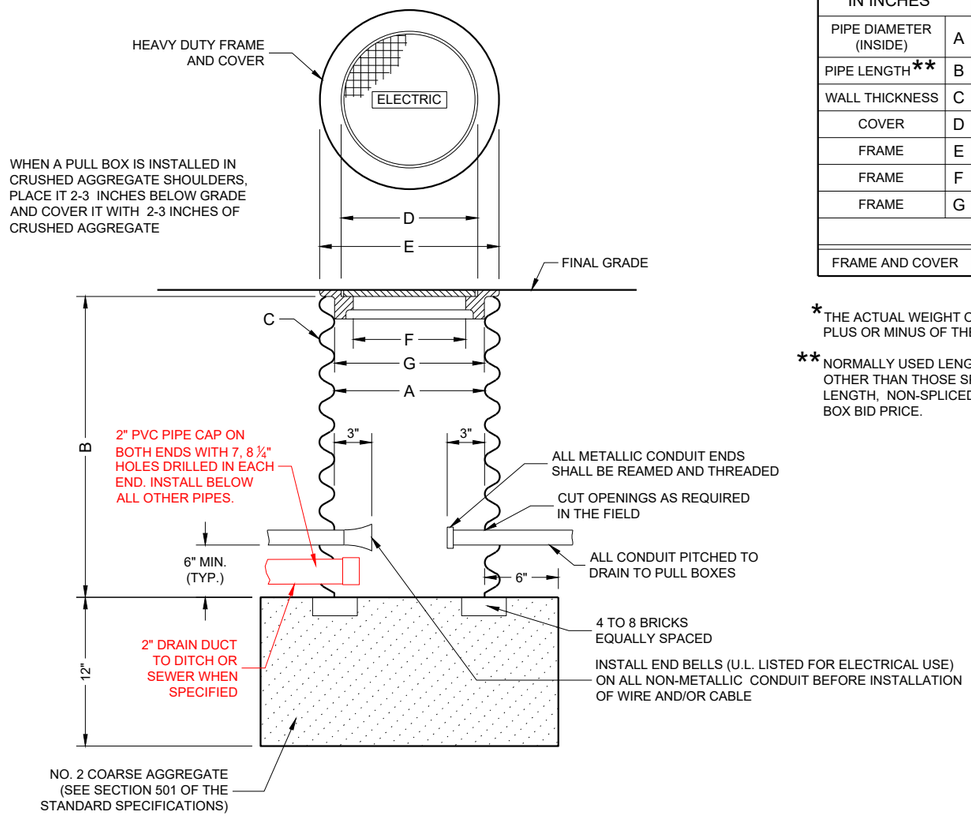


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



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

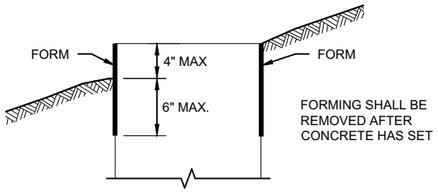
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 278

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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.

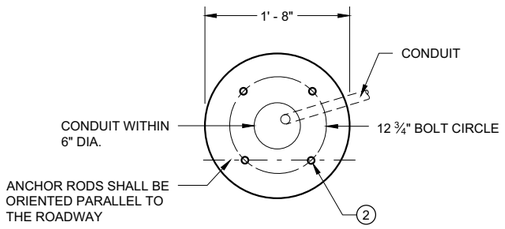
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

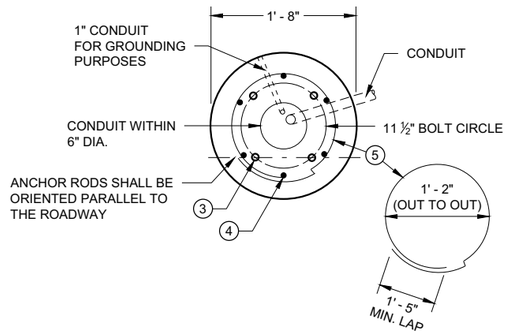
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

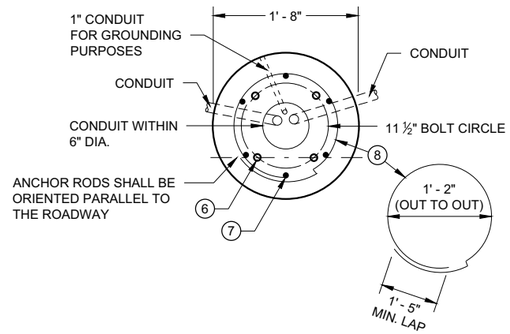
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

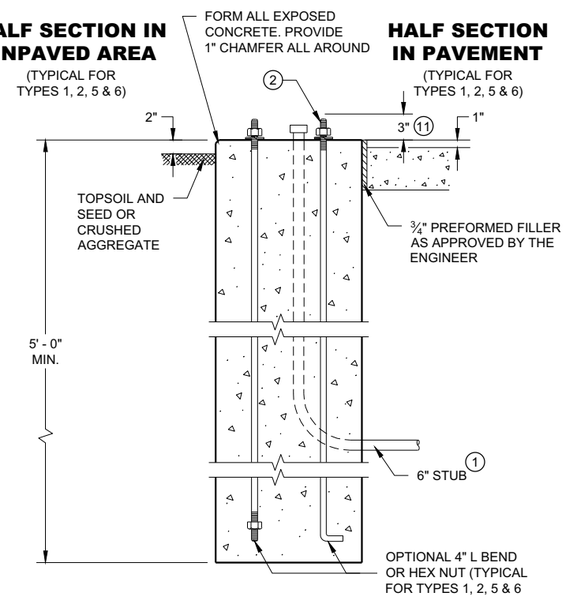
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

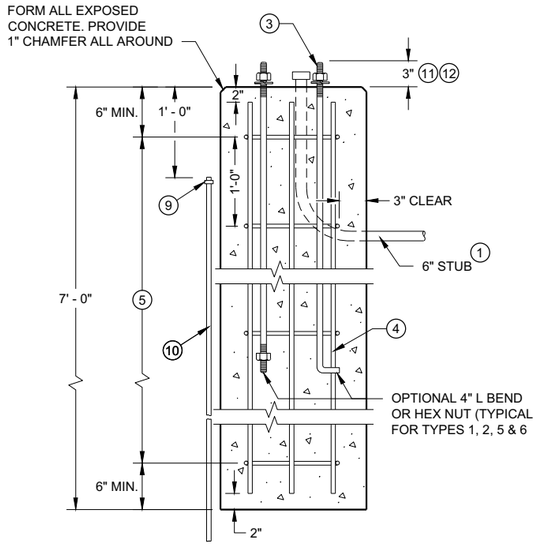
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

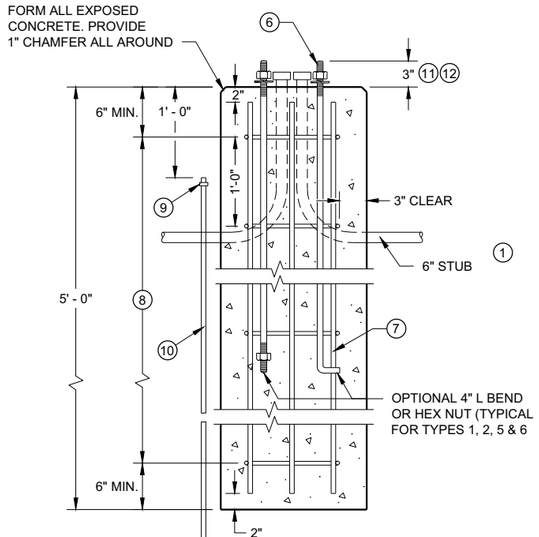
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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

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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.

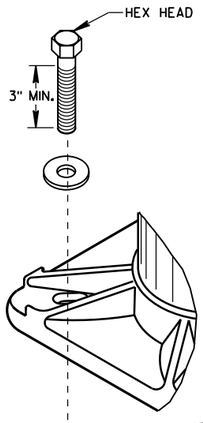
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

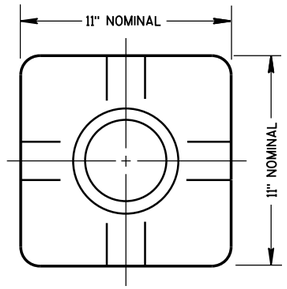
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

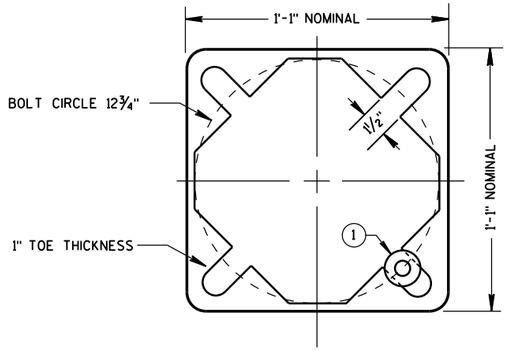
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

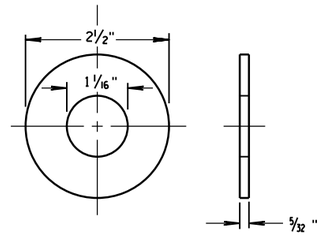




TOP VIEW
(PEDESTAL BASE)

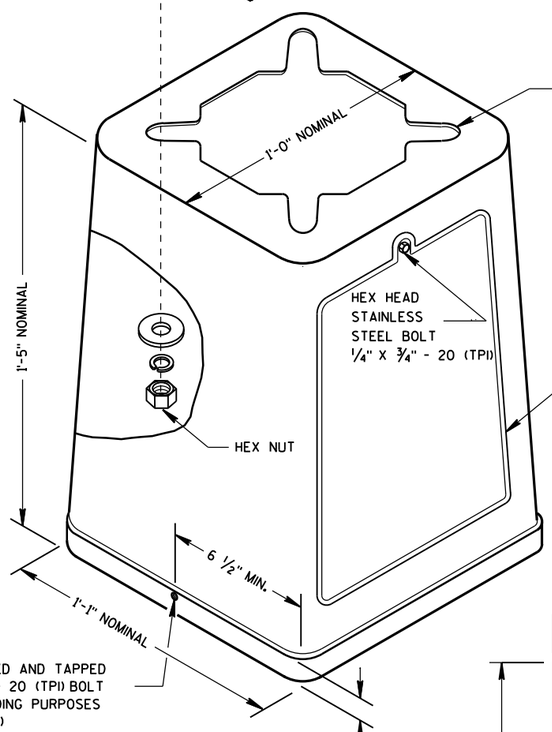


BOTTOM VIEW
(PEDESTAL BASE)

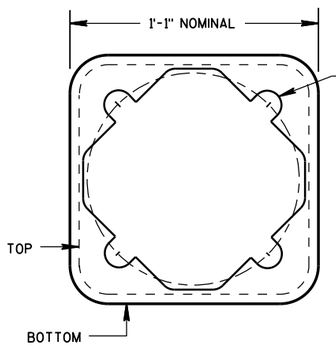


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

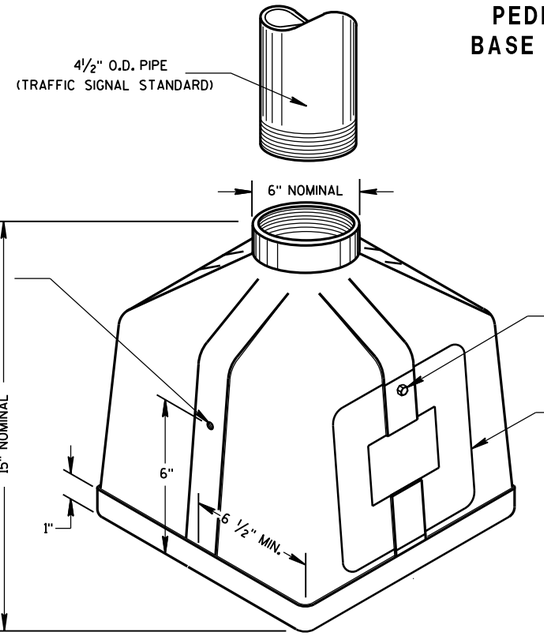
PEDESTAL BASE WASHER (1)



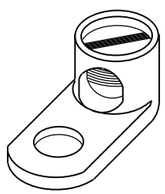
ISOMETRIC VIEW



BOTTOM VIEW
(TRANSFORMER BASE)

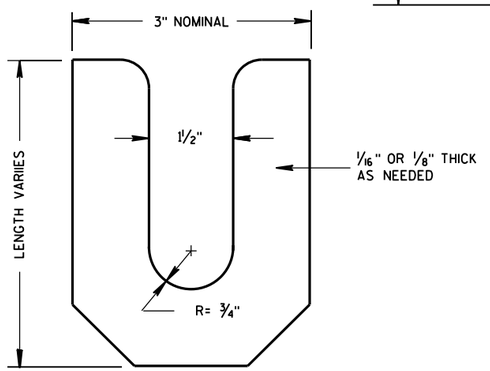


ISOMETRIC VIEW
PEDESTAL BASE



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

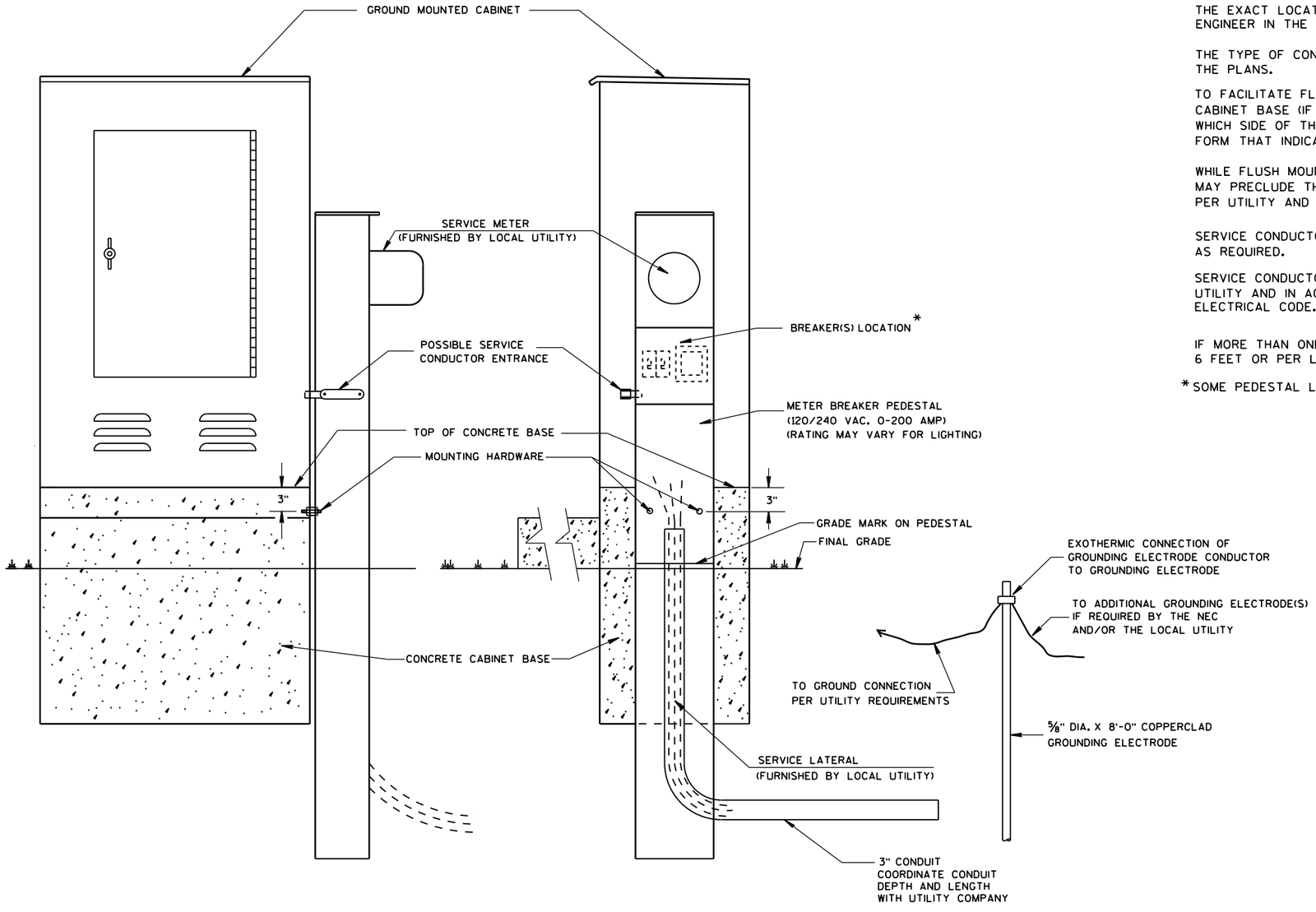
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 C 3-4

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S.D.D. 9 C 3-4



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

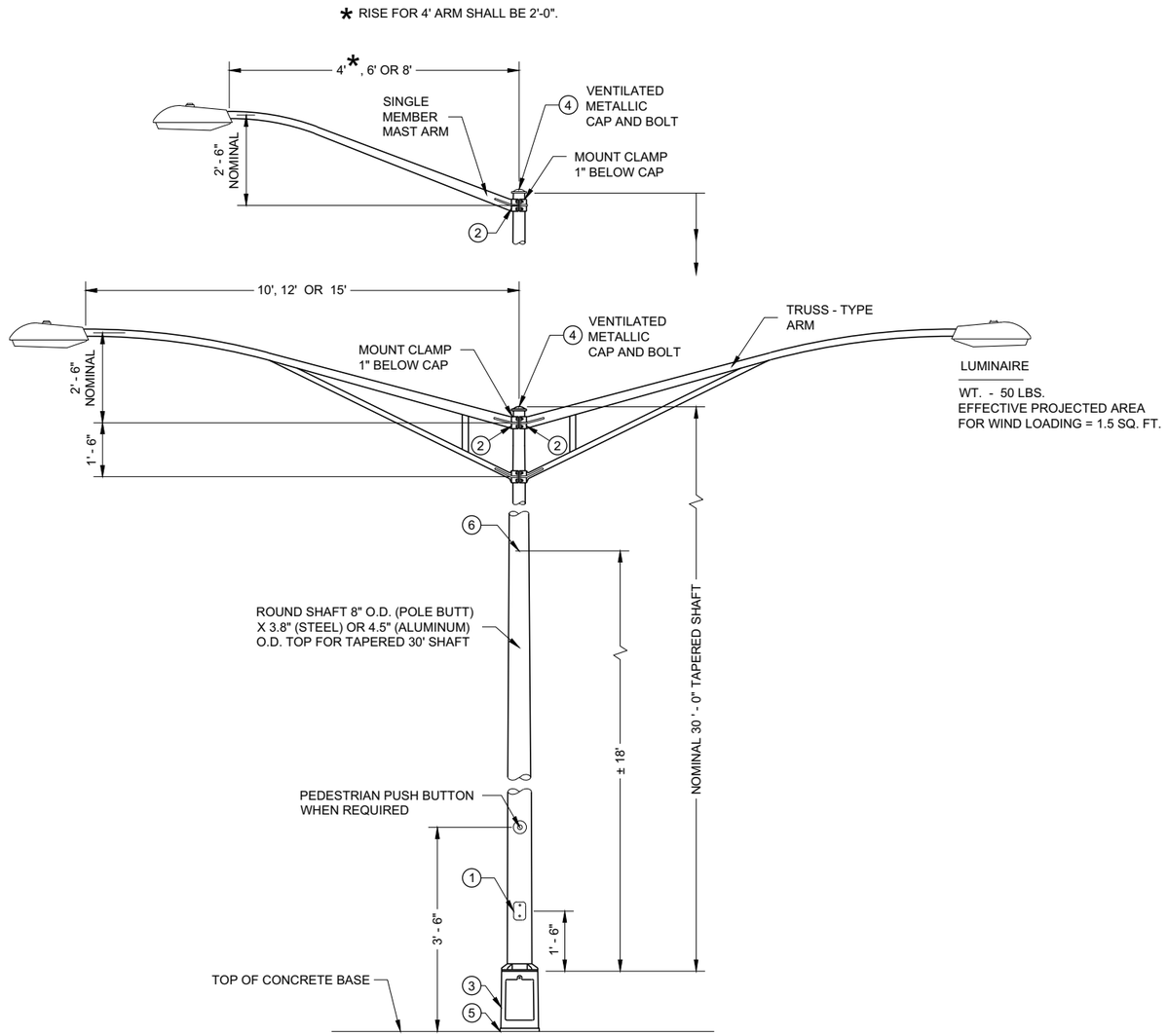
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA



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.

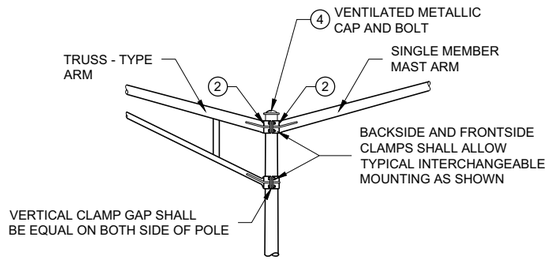
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(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.



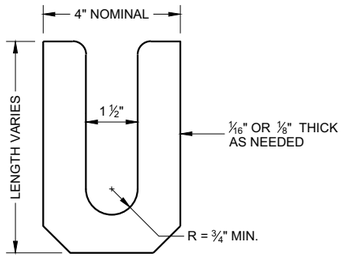
INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

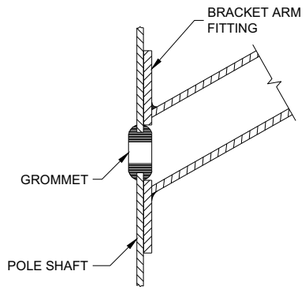
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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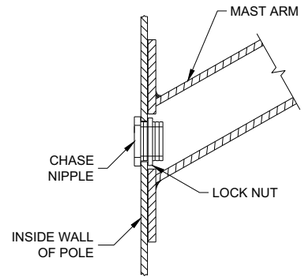
SDD 09E01 - 15d



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.

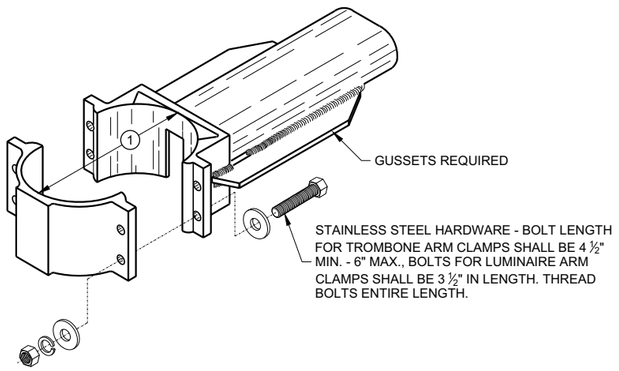
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

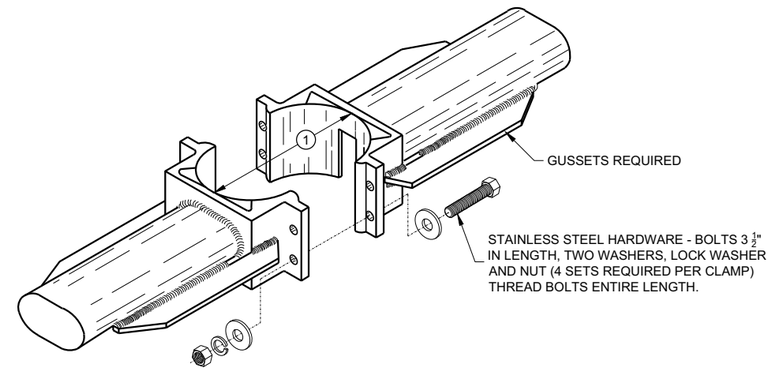
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

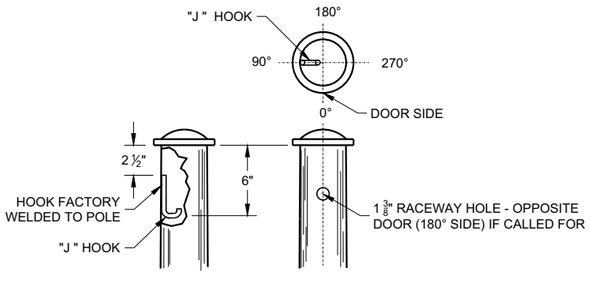
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



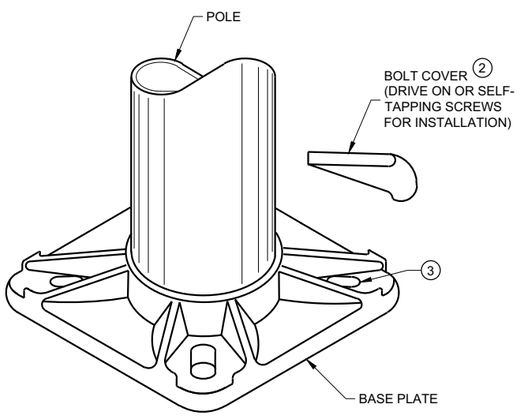
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



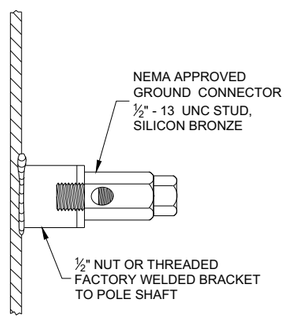
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

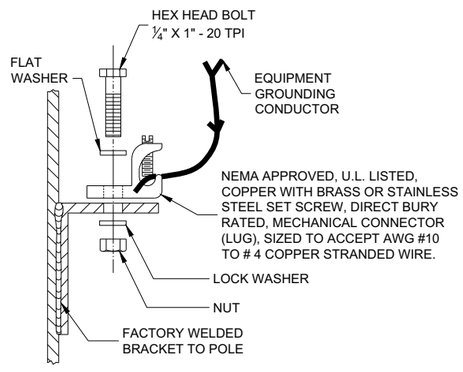


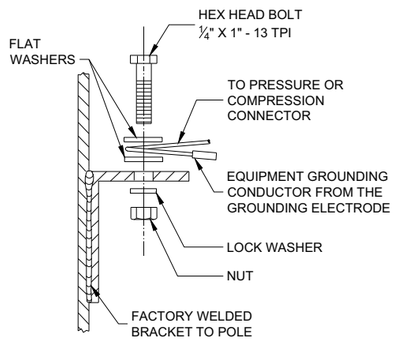
TYPICAL "J" HOOK LOCATION



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 283

FHWA

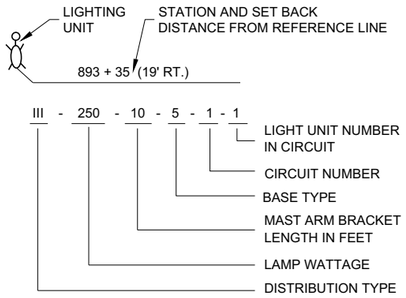
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SDD 09E01 - 15g

GENERAL NOTES

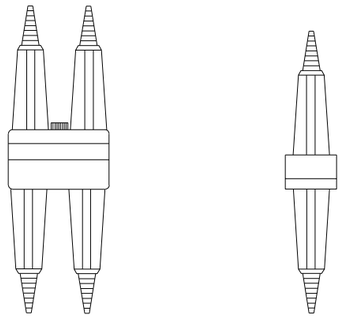
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

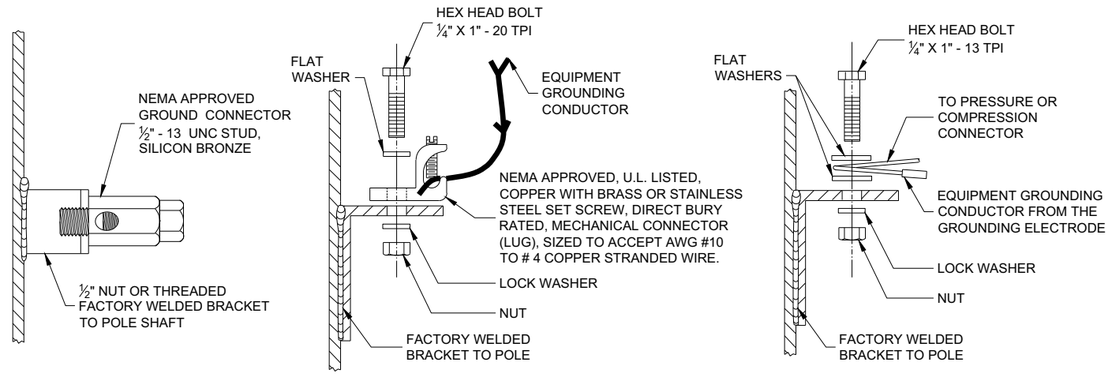


LIGHTING UNIT CODE
(TYPICAL)

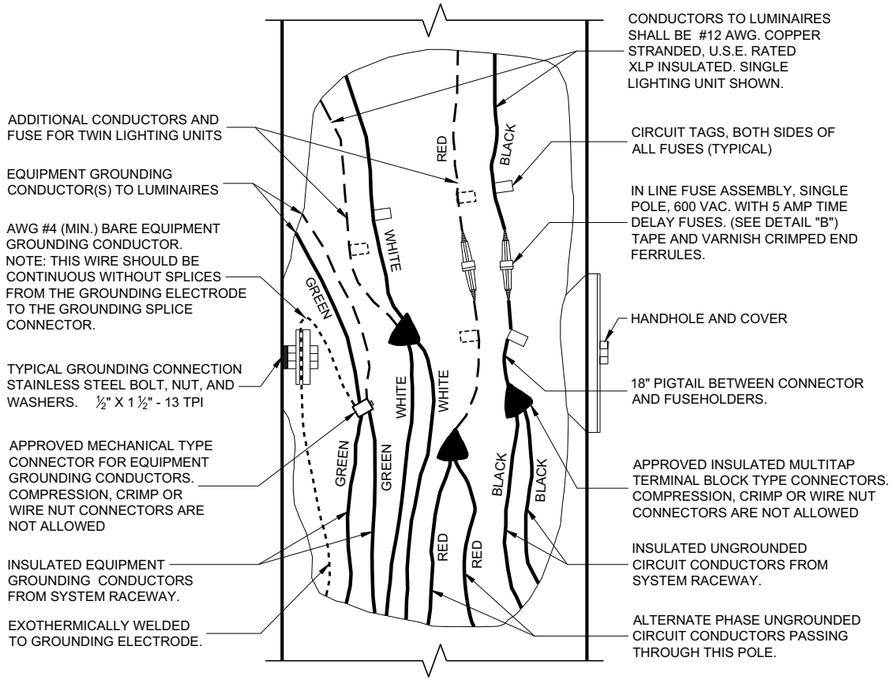


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

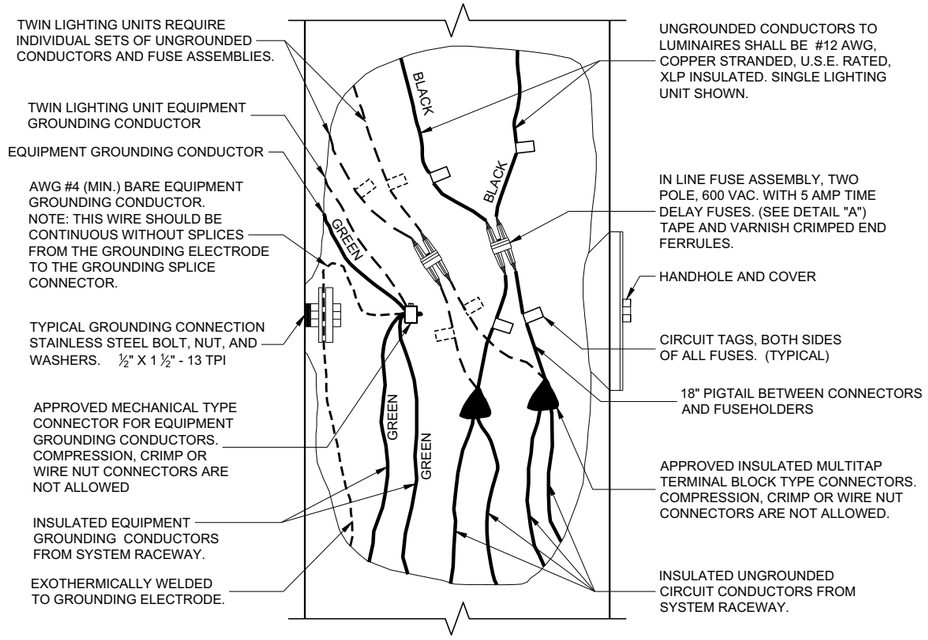
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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

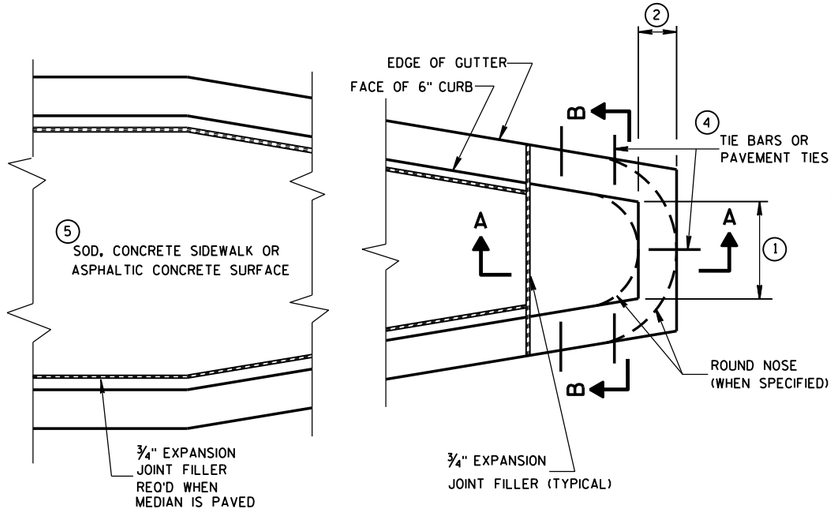
NON - FREEWAY LIGHTING UNIT POLE WIRING

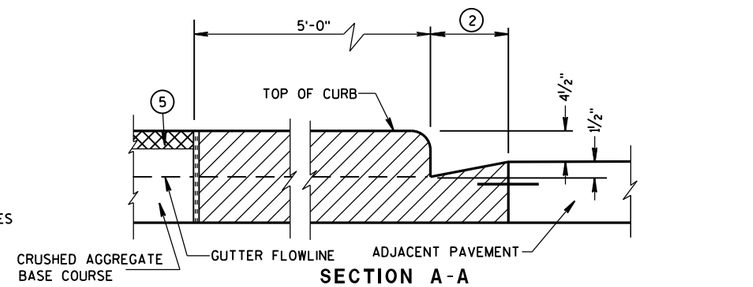
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

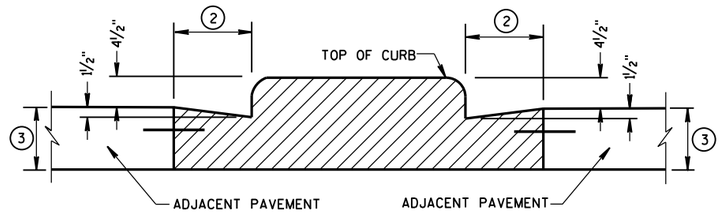
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SECTION A-A



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.

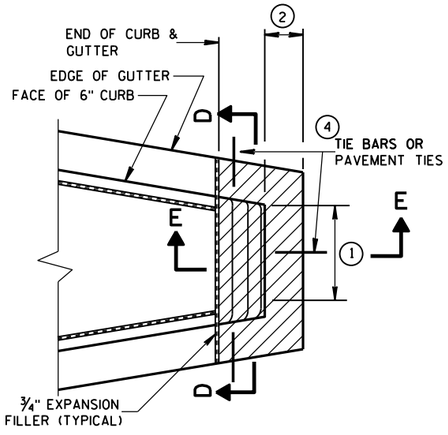
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

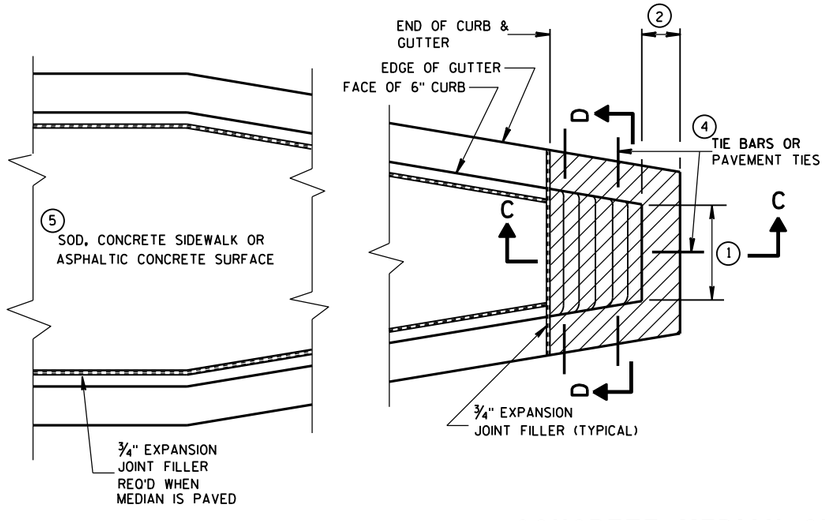
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

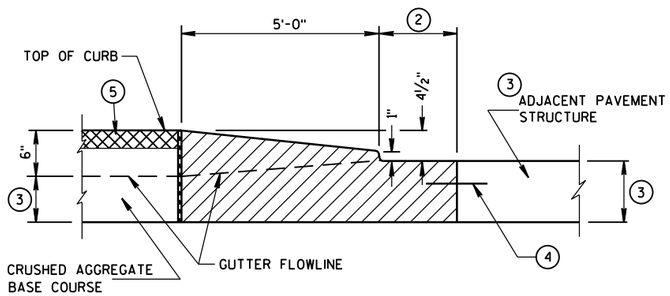
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

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.

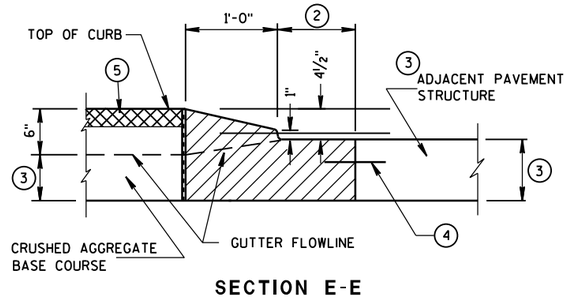
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.







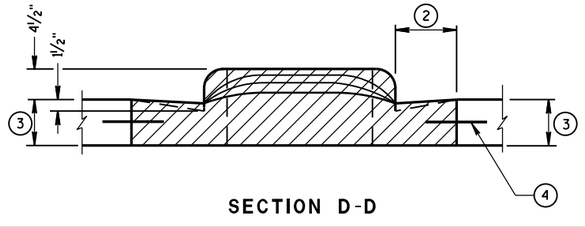
SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



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

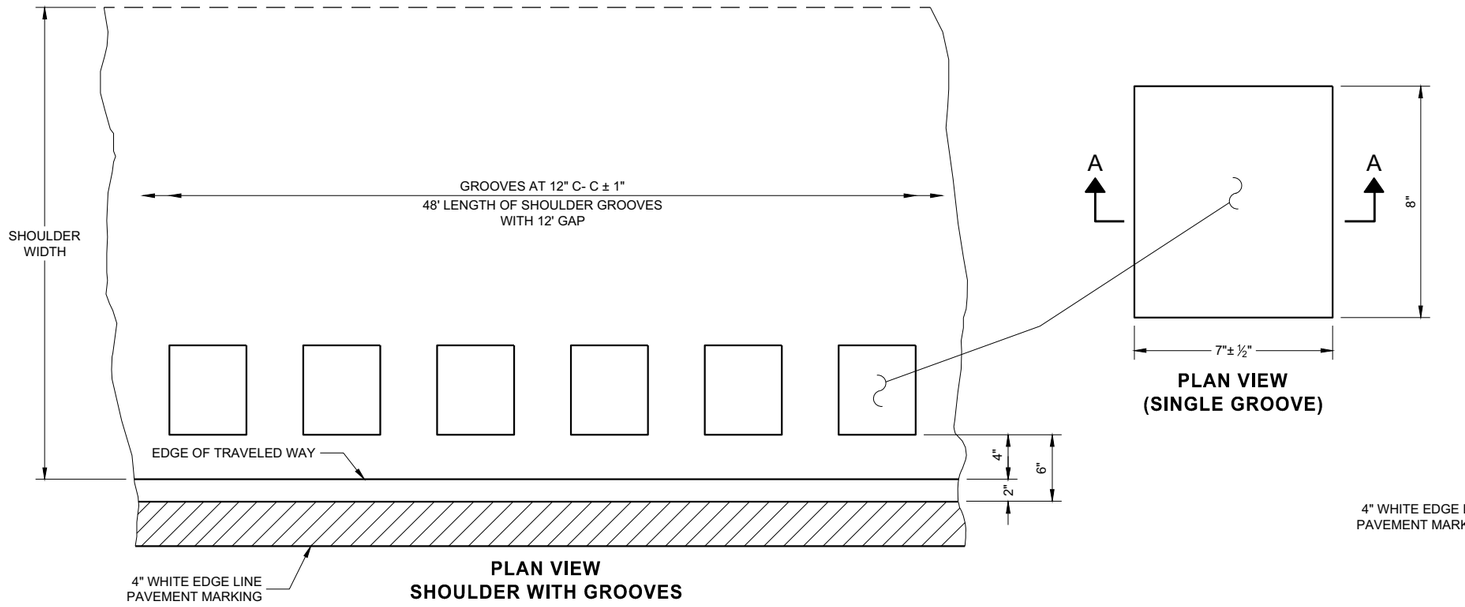
FHWA

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S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2



PLAN VIEW
SHOULDER WITH GROOVES

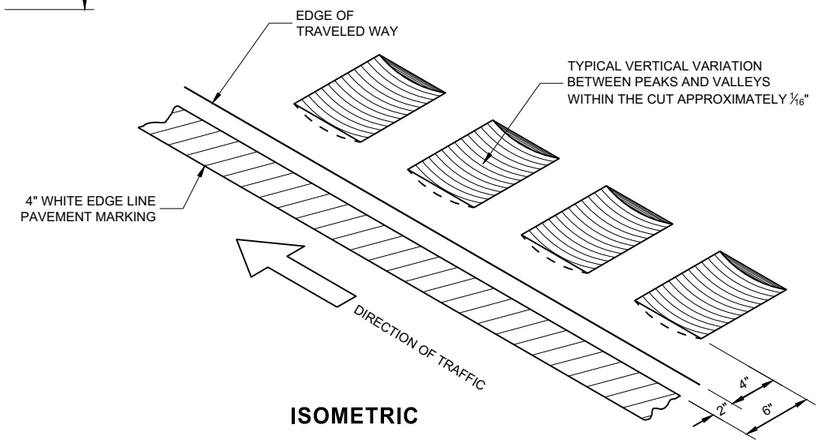
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

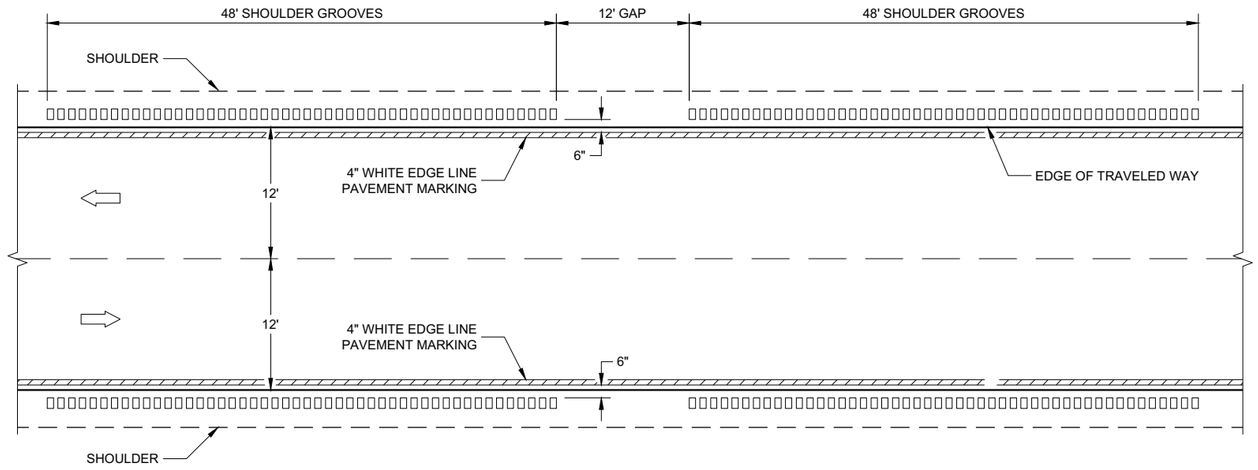
DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

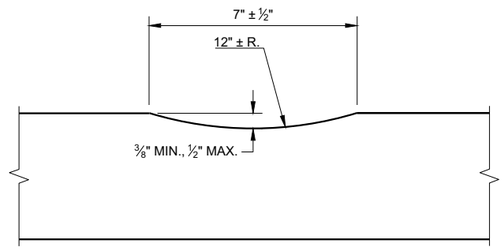


ISOMETRIC

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP



TYPE 1
2 - LANE SHOULDER RUMBLE STRIP



SECTION A - A

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

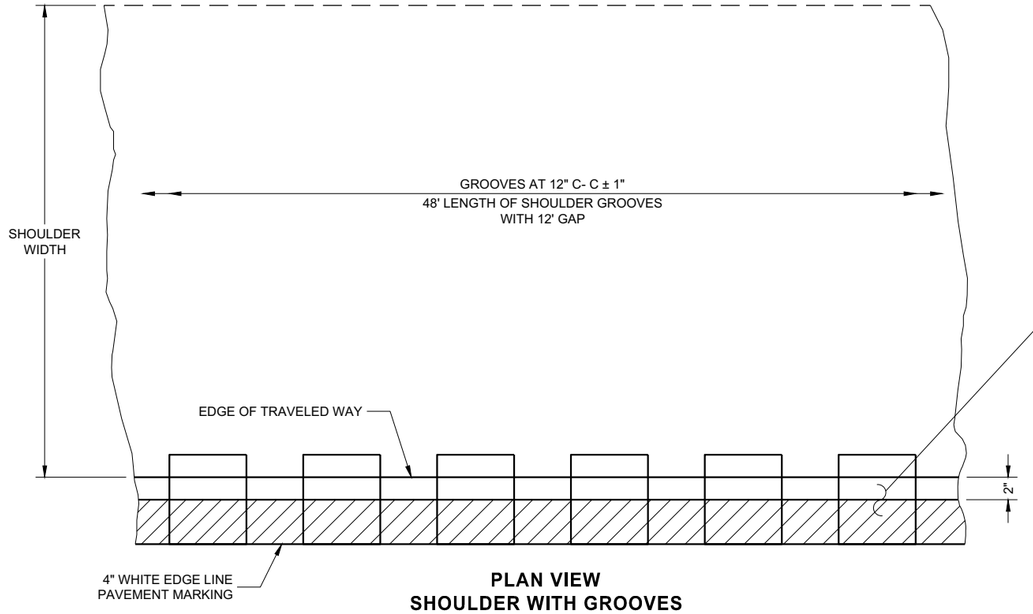
STATE OF WISCONSIN
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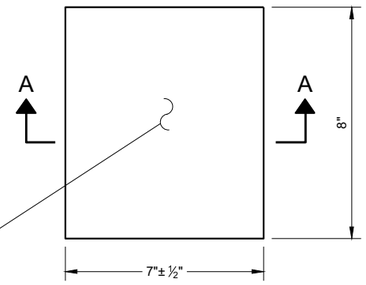
SDD 13A10 - 02a

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SDD 13A10 - 02a



PLAN VIEW
SHOULDER WITH GROOVES



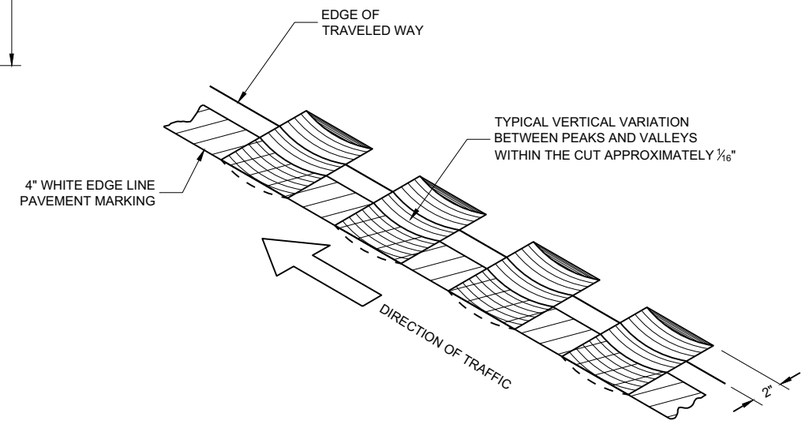
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

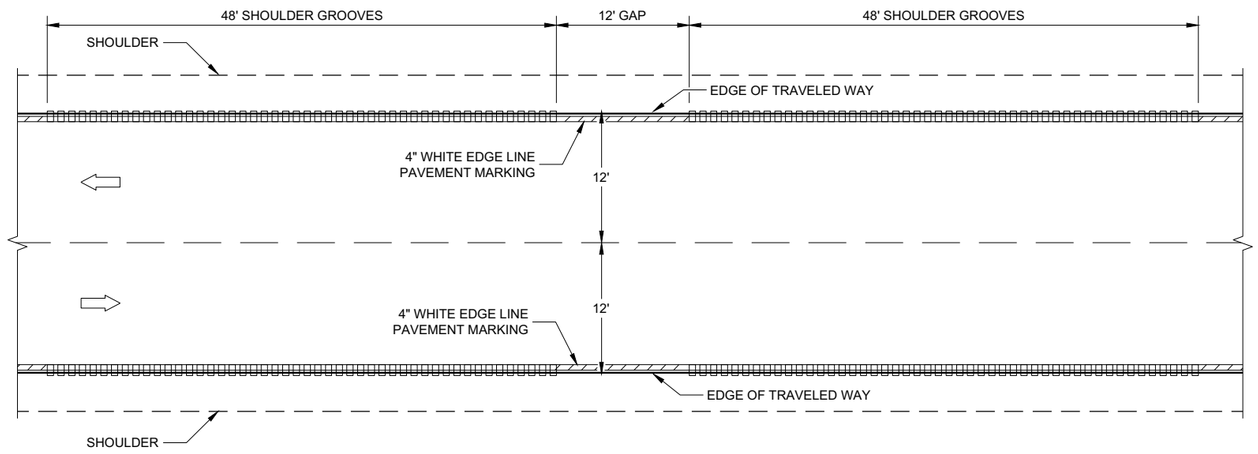
DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

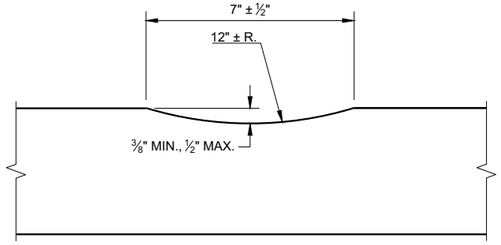


ISOMETRIC

PLACEMENT DETAIL FOR TYPE 2 MILLED RUMBLE STRIP



TYPE 2
2 - LANE SHOULDER RUMBLE STRIP

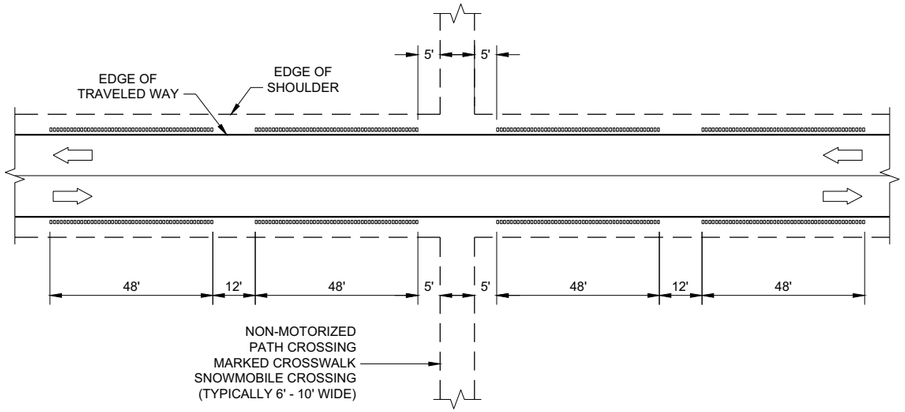


SECTION A - A

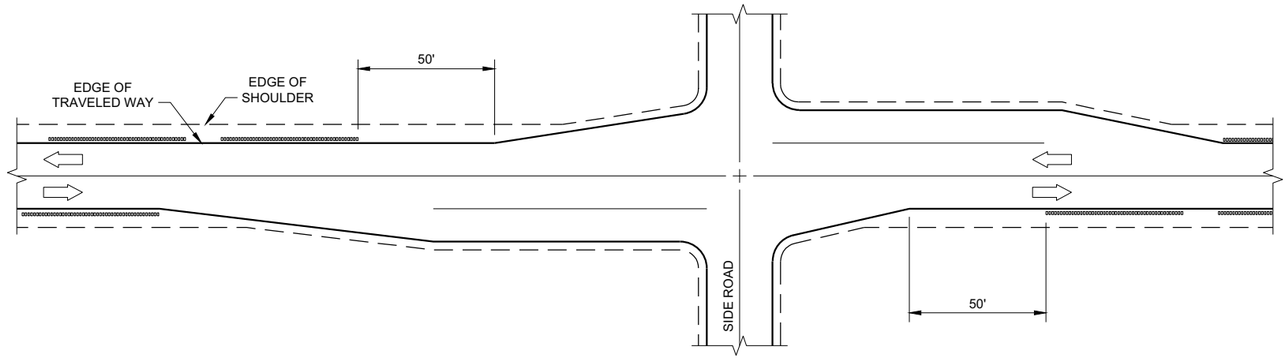
2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

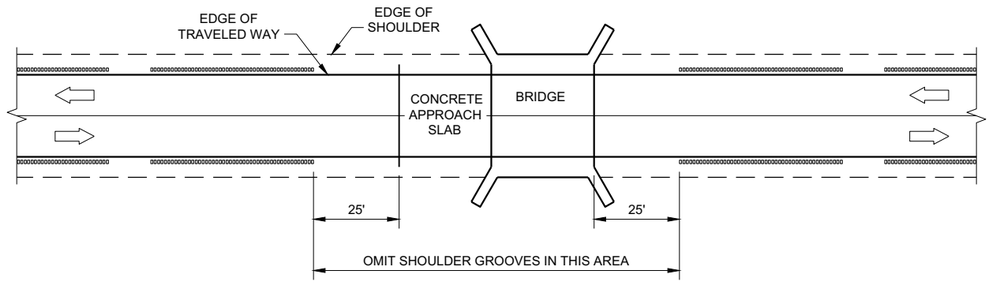
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6
SDD 13A10 - 02b
SDD13A10 - 02b



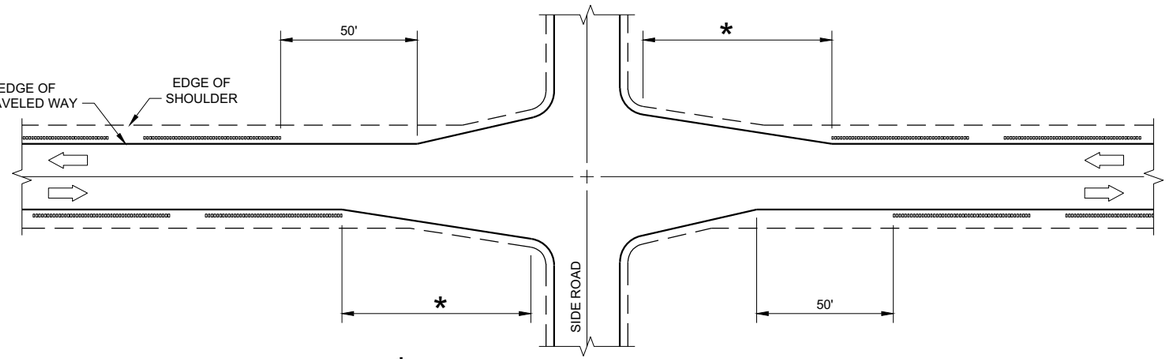
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



SHOULDER GROOVES AT RIGHT TURN LANE

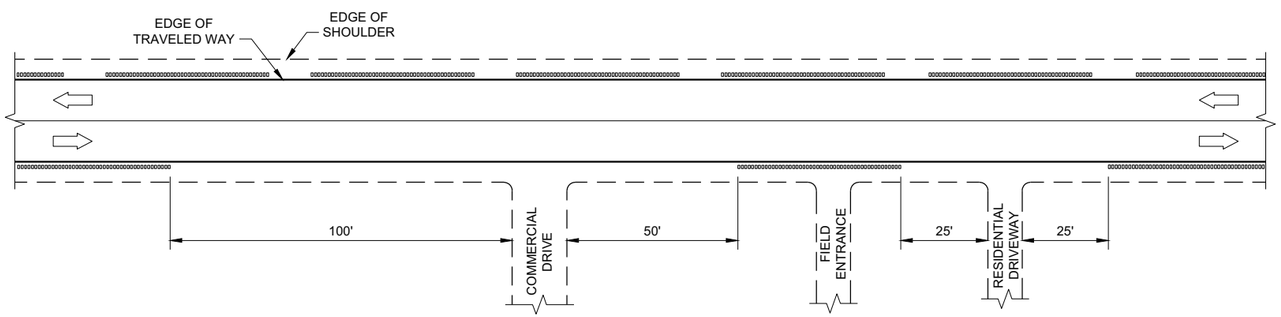


SHOULDER GROOVES AT BRIDGES



* GREATER OF 100' OR APPROACH TAPER LENGTH

SHOULDER GROOVES AT INTERSECTIONS WITH APPROACH TAPER



SHOULDER GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

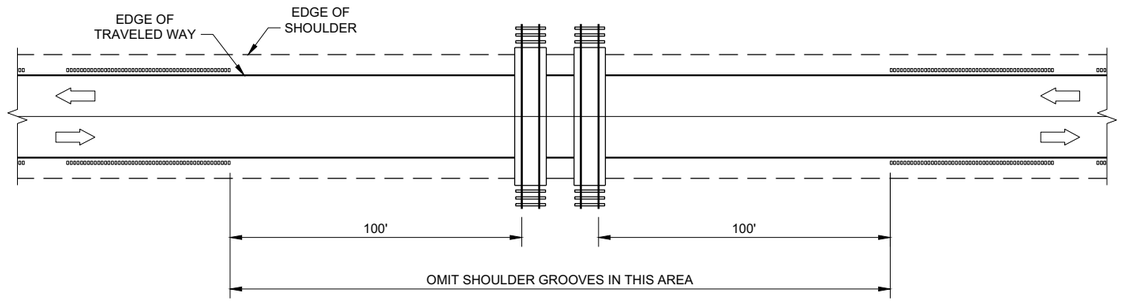
2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

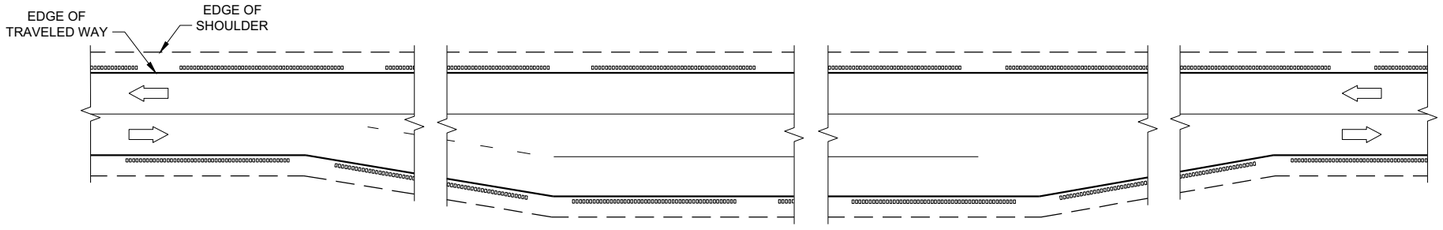
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SDD 13A10 - 02c

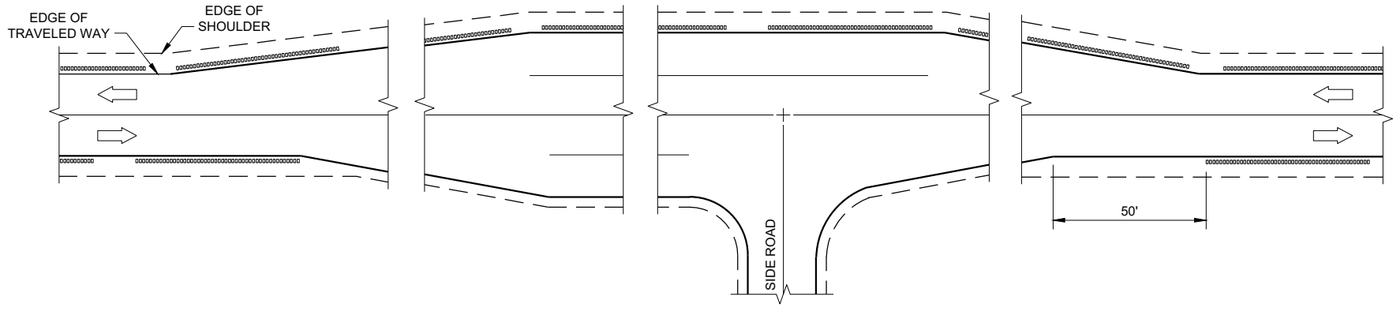
SDD 13A10 - 02c



SHOULDER GROOVES AT RAILROADS



SHOULDER GROOVES AT PASSING AND CLIMBING LANES



SHOULDER GROOVES AT BYPASS LANES

6

6

SDD 13A10 - 02d

SDD13A10 - 02d

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

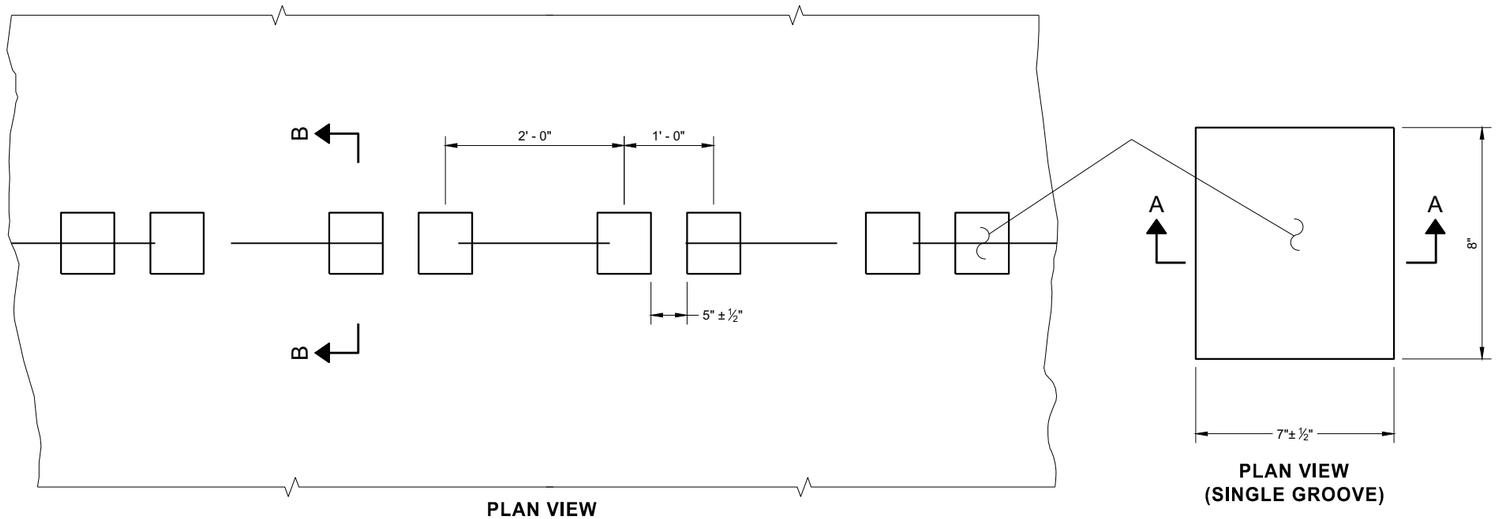
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

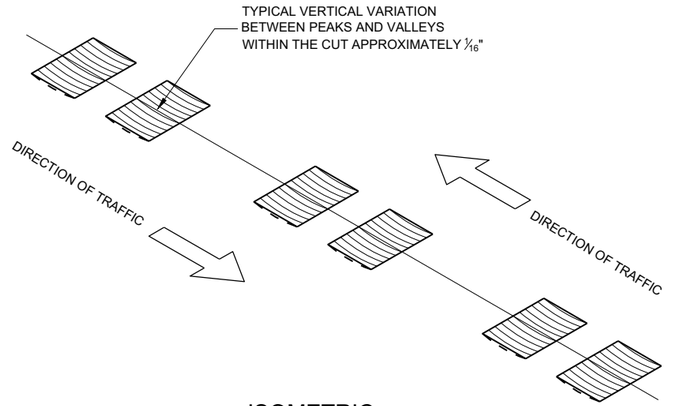
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

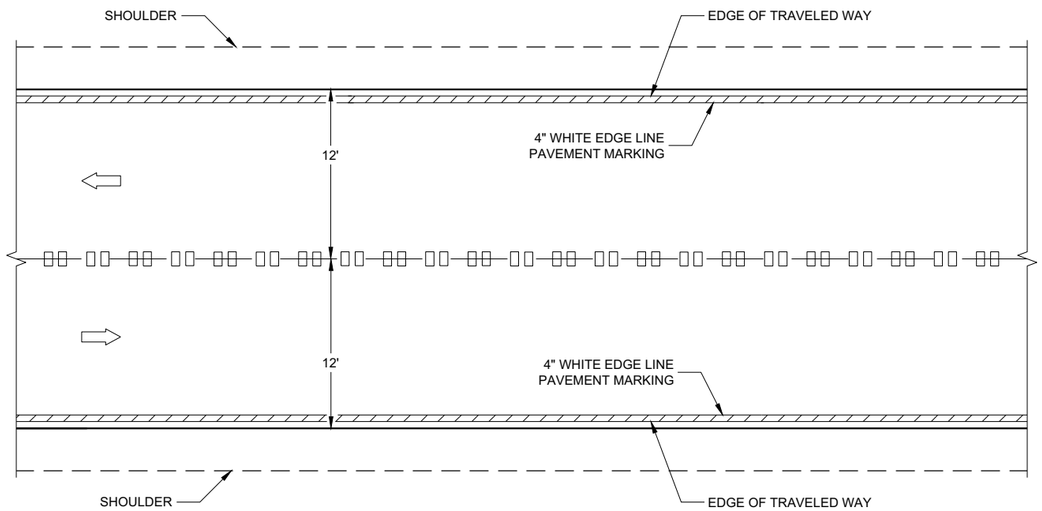
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

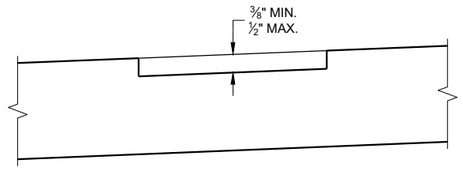
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



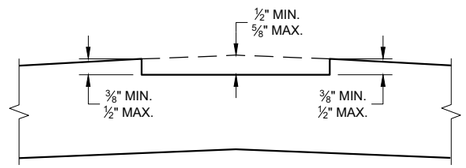
ISOMETRIC



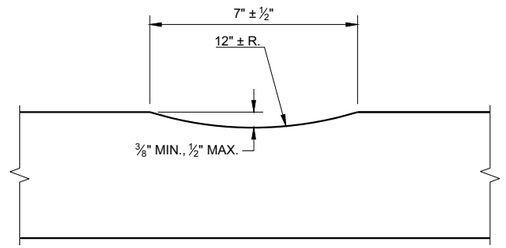
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



SECTION A - A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

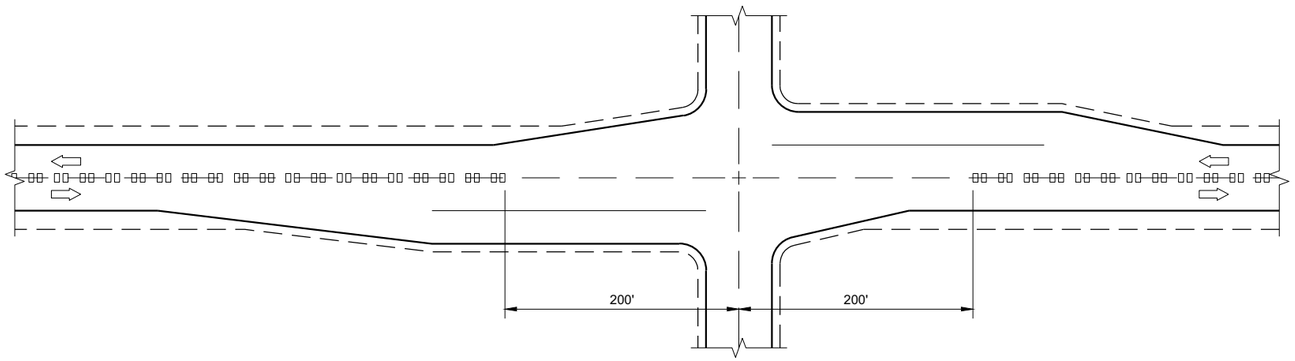
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

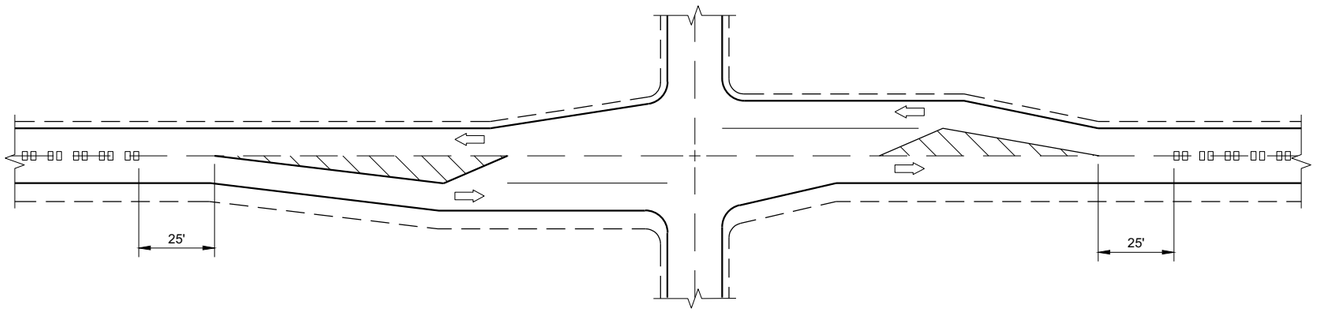
SDD 13A11 - 03a

6

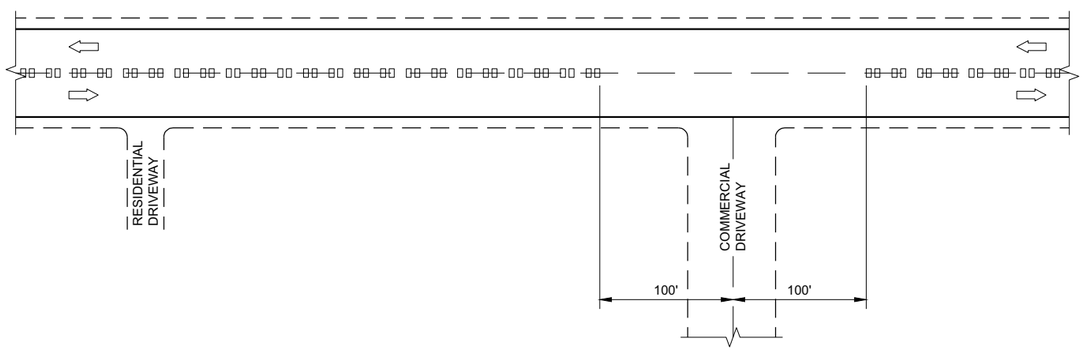
SDD 13A11 - 03a



CENTERLINE GROOVES AT INTERSECTIONS



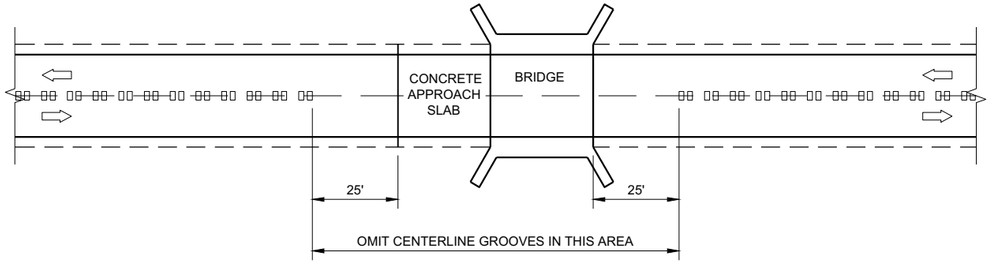
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



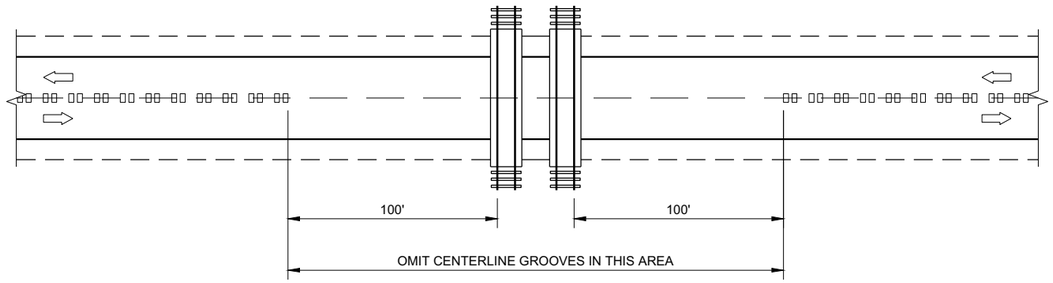
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

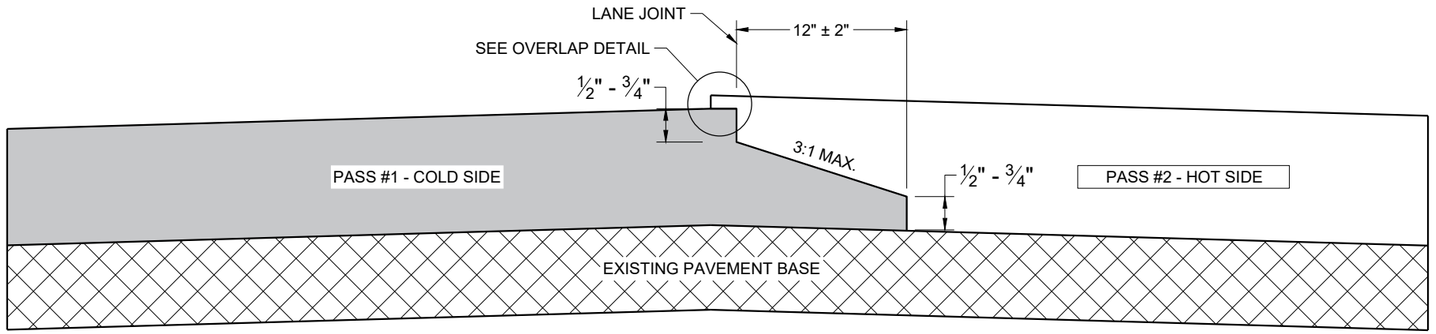
2-LANE RURAL
CENTERLINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

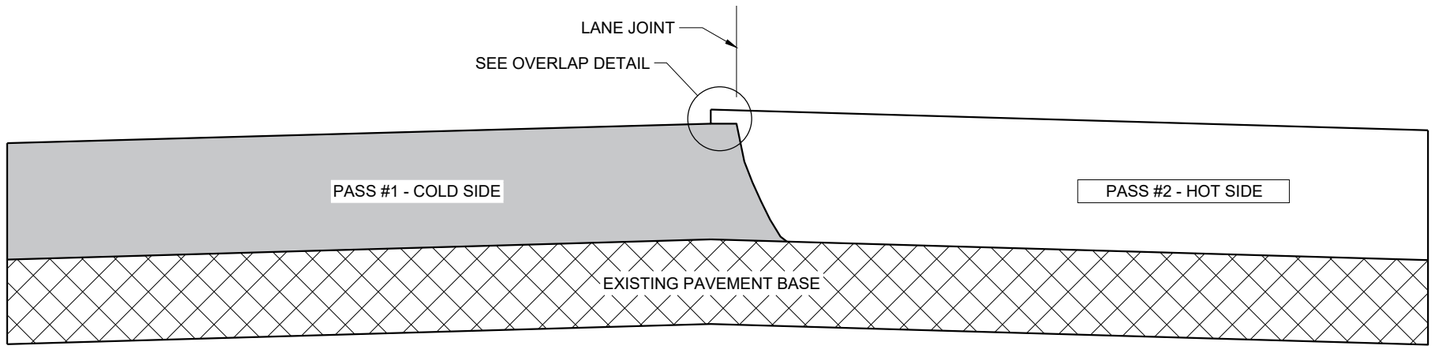
APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

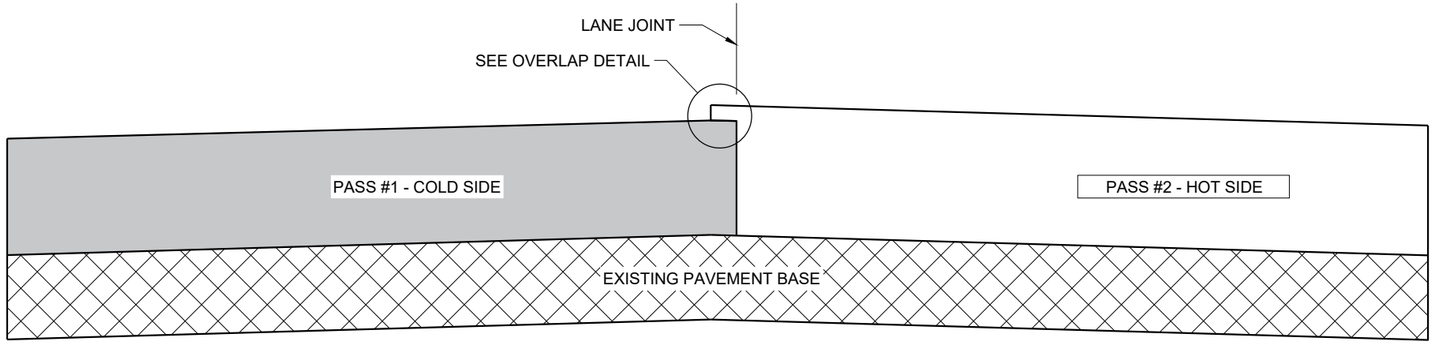
6
SDD 13A11 - 03b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

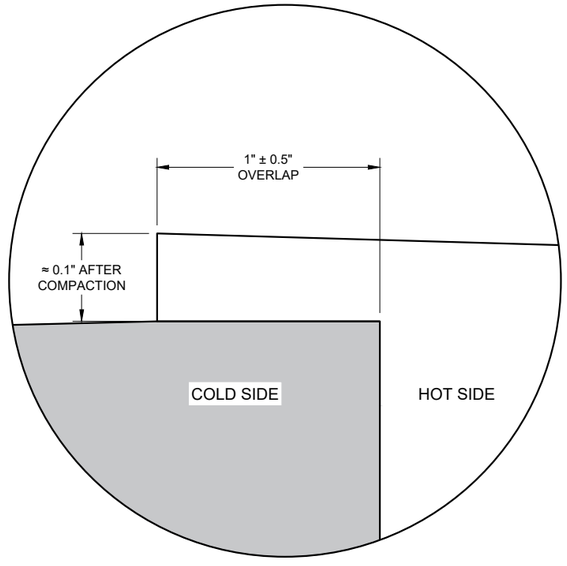
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

GENERAL NOTES

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

(2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.

(3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

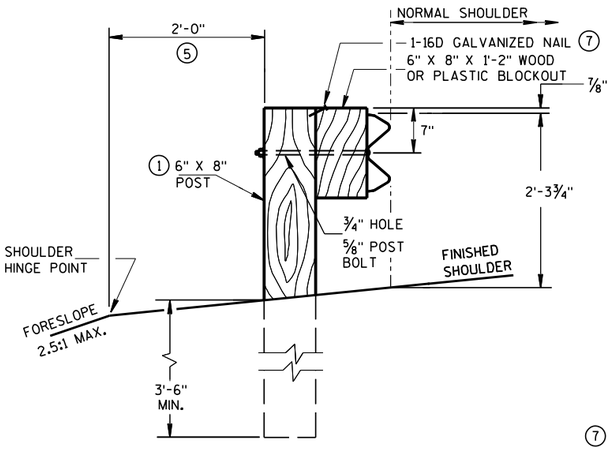
(5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).

(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

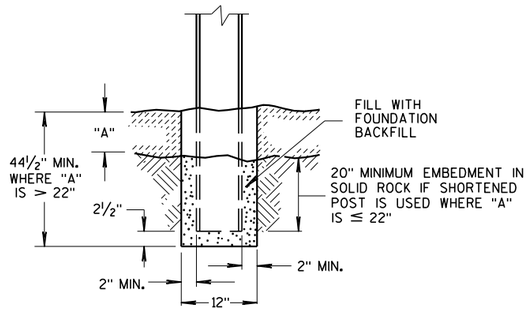
(7) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

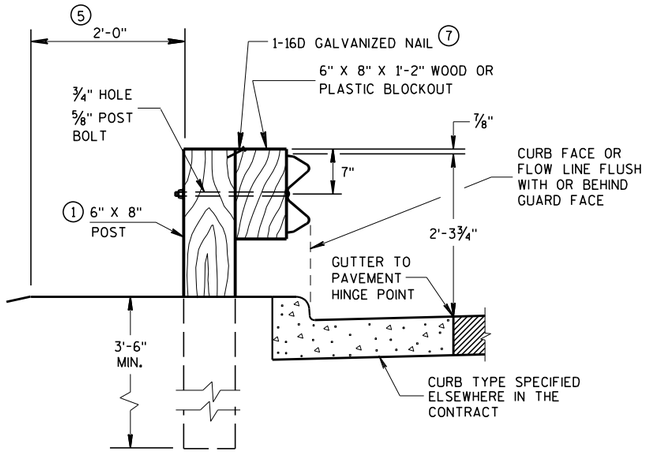
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



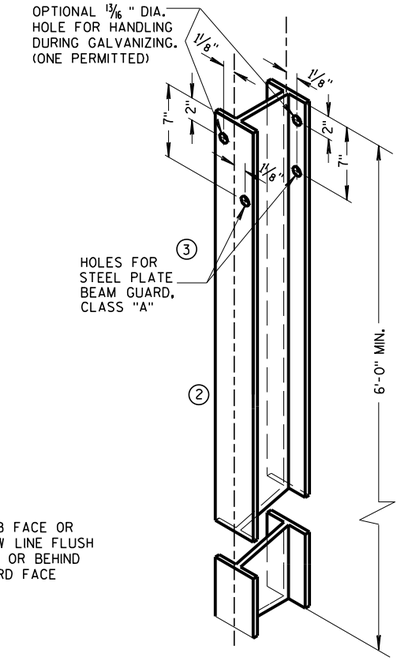
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)

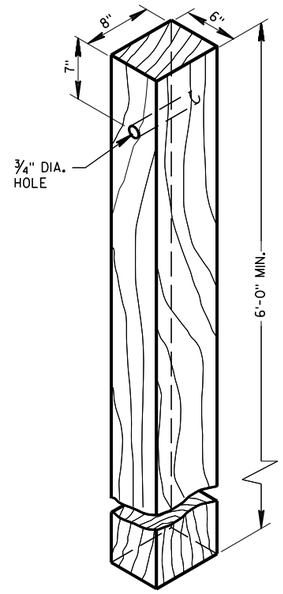


END VIEW
LOCATED ALONG A CURBED ROADWAY

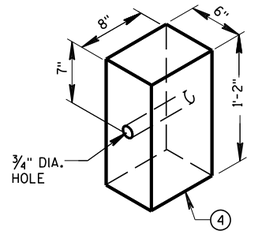


STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

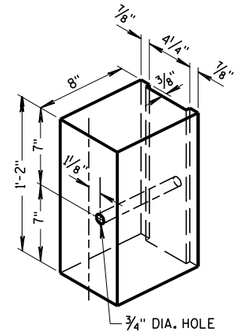
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



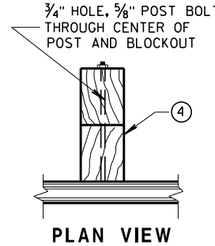
WOOD POST
(6"X8") NOMINAL



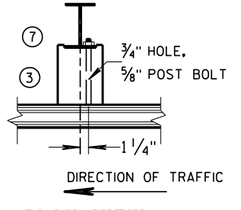
WOOD OR PLASTIC
BLOCKOUT FOR
WOOD POSTS



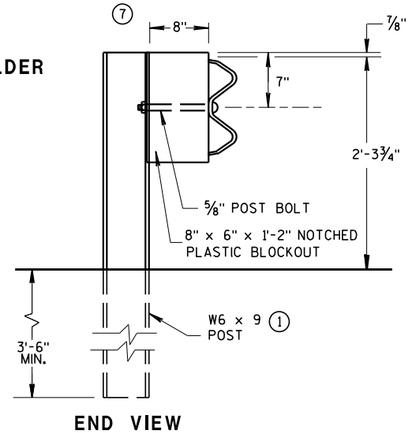
TYPICAL NOTCHED
PLASTIC BLOCKOUT
FOR STEEL POSTS (1)



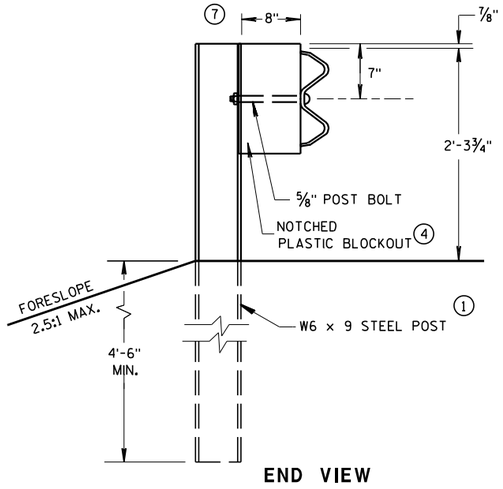
PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



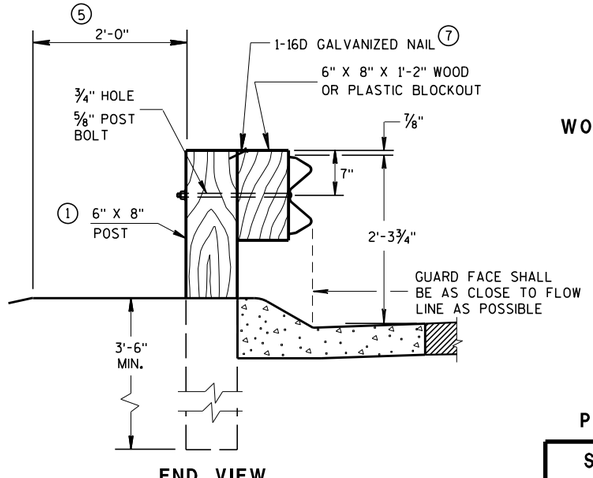
PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE
STANDARD INSTALLATION



END VIEW
LONGER POST AT HALF
POST SPACING W BEAM
(LHW)



END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY

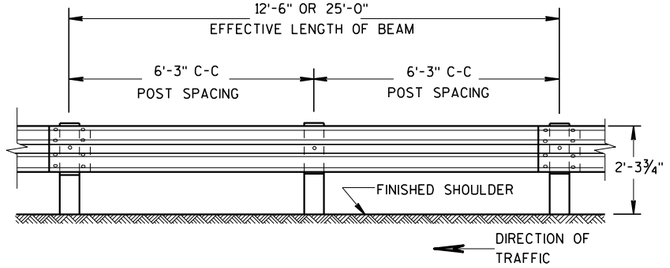
TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

STEEL PLATE BEAM GUARD,
CLASS "A"
INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

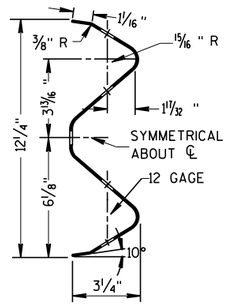
S.D.D. 14 B 15-11a

S.D.D. 14 B 15-11a

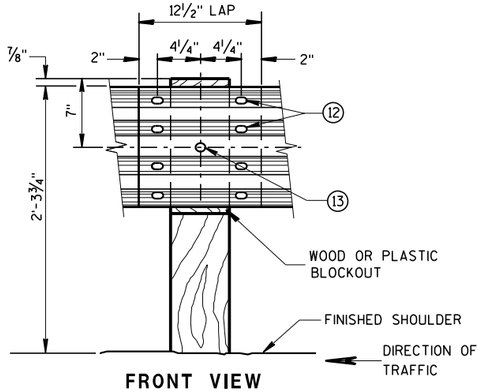


FRONT VIEW

POST SPACING STANDARD INSTALLATION



SECTION THRU W BEAM



FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

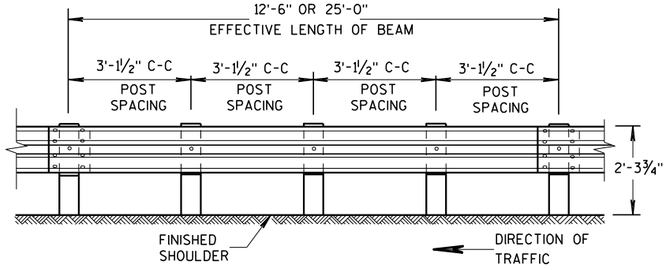
GENERAL NOTES

FURNISH GUARDRAIL DEFLECTORS FROM APPROVED PRODUCTS LIST.

(9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINA. START REFLECTORS AT POST #9 AND SPACE EVENLY EVERY 100 FEET (MAX.) TO THE END OF GUARDRAIL RUN, USING A MINIMUM OF 3 REFLECTORS.

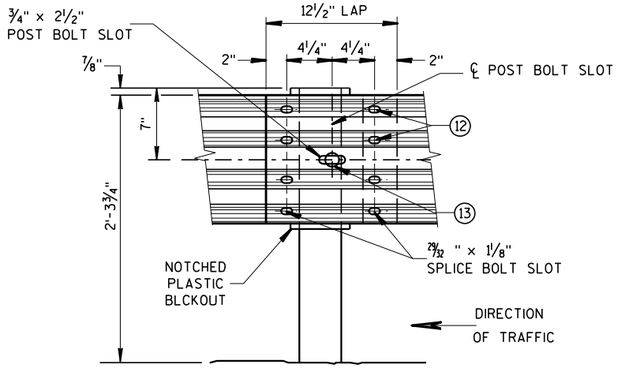
(12) 8 -5/8" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

(13) 5/8" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH 5/8" DIA. F844 FLAT WASHER UNDER NUT.



FRONT VIEW

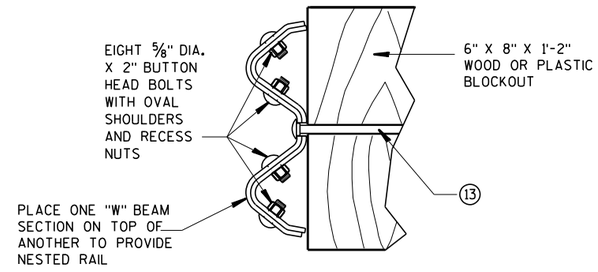
POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW

BEAM SPLICE AT STEEL POST

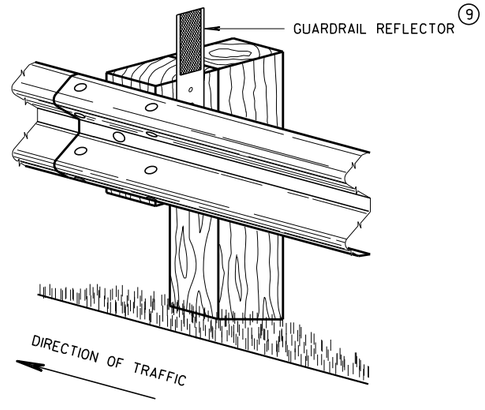
TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



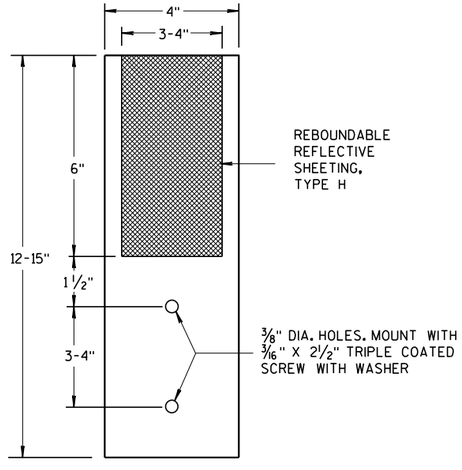
NESTED W BEAM (NW)

USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

* USE DOUBLE SIDED WHITE GUADRAIL REFLECTORS ON ROADWAYS WITH BI-DIRECTIONAL TRAFFIC (NO MEDIAN). USE SINGLE SIDED WHITE (RIGHT SIDE) AND SINGLE SIDED YELLOW (LEFT SIDE) ON ROADWAYS WITH MEDIAN SEPARATION.



4" X 12" GUARDRAIL REFLECTOR DETAIL AND TYPICAL INSTALLATION *



4"x 12" GUARDRAIL REFLECTOR

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

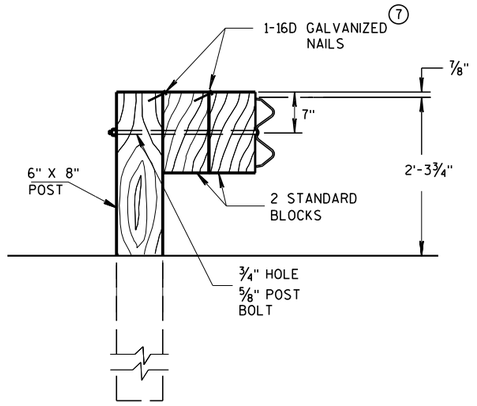
STATE OF WISCO 294
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 15-11b

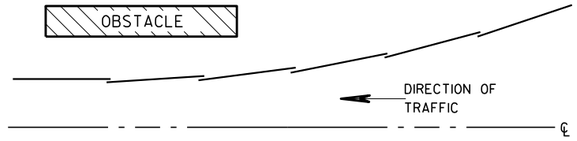
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S.D.D. 14 B 15-11b

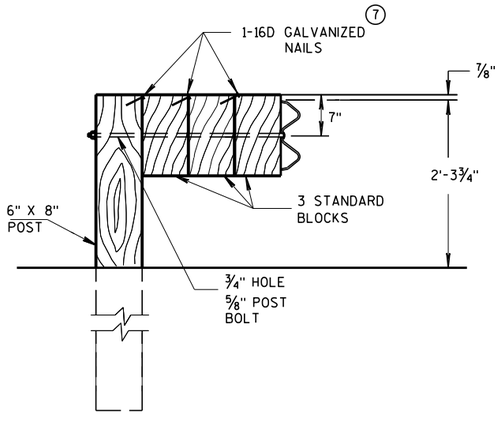


DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

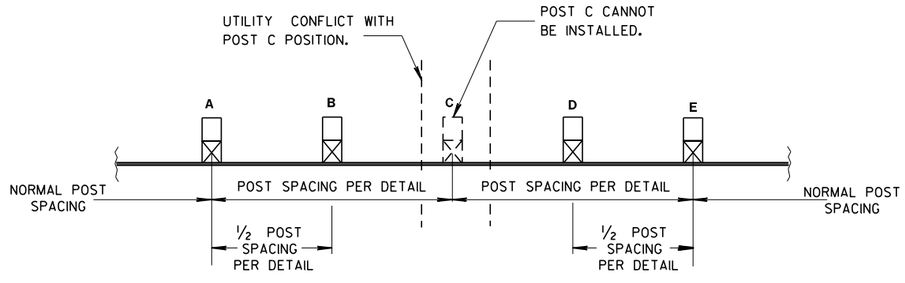


PLAN VIEW
BEAM LAPPING DETAIL



DETAIL FOR TRIPLE BLOCKS

TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
295
MENT

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S.D.D. 14 B 15-11c

6

S.D.D. 14 B 15-11c

BILL OF MATERIALS

NOTE NO.	DESCRIPTION
①	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
②	STEEL TUBE TS 8" X 6" X 0.188", 6'-0"
④	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	WOOD OFFSET BLOCKS: 6' X 8" X 1'-2"
⑥	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
⑦	BEARING PLATE
⑧	BCT CABLE ASSEMBLY
⑨	CABLE ANCHOR BOX
⑩	STRUT & YOKE
⑪	STEEL PLATE BEAM, END PANEL 12 GA.
⑫	STEEL PLATE BEAM: 12 GA. 13'-6½"
⑬	IMPACT HEAD
⑭	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS

GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS.

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(D) THE TOP OF THE STEEL TUBE ON POSTS 1 AND 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

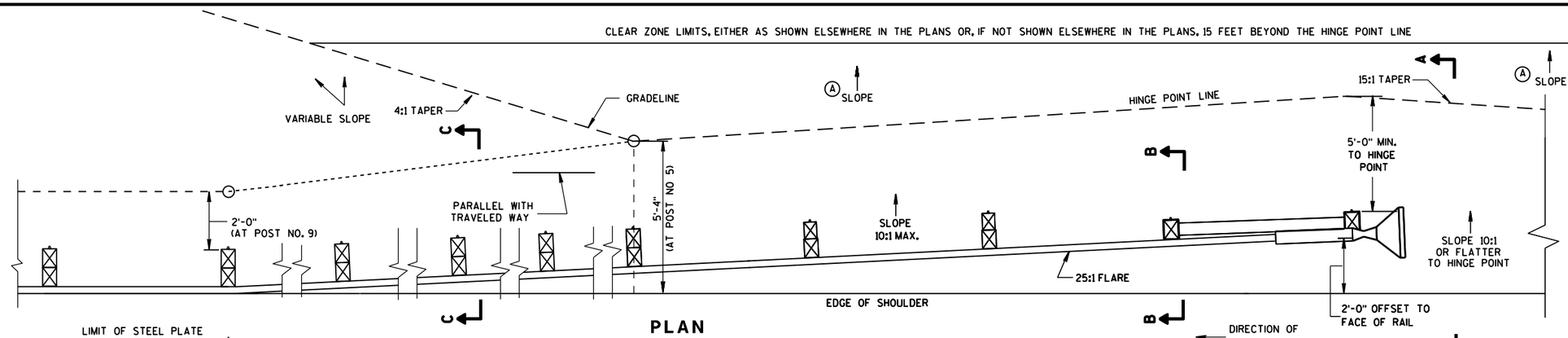
(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 3 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

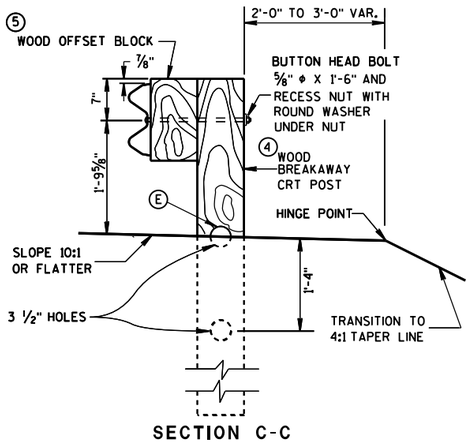
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

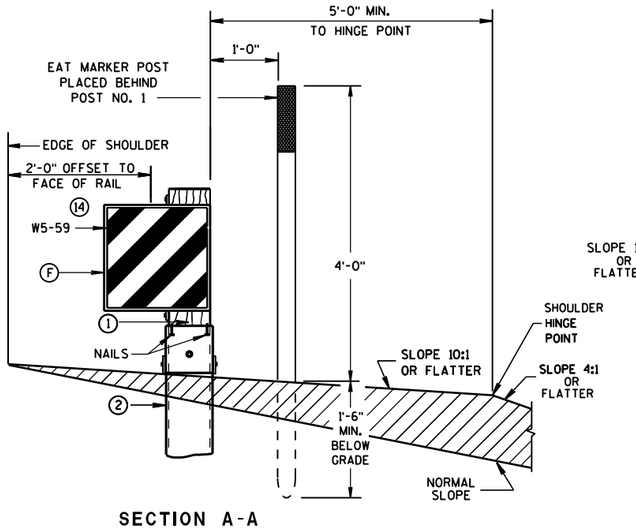
STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

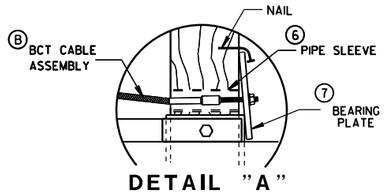
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

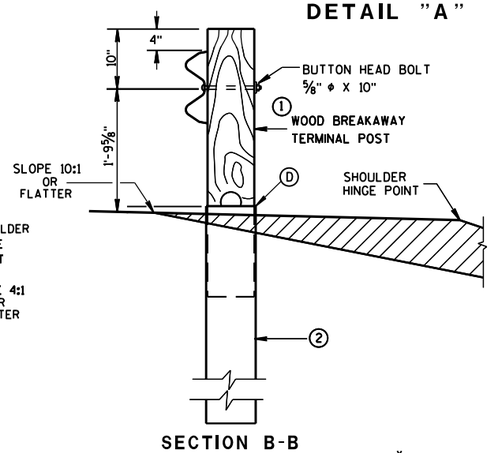
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

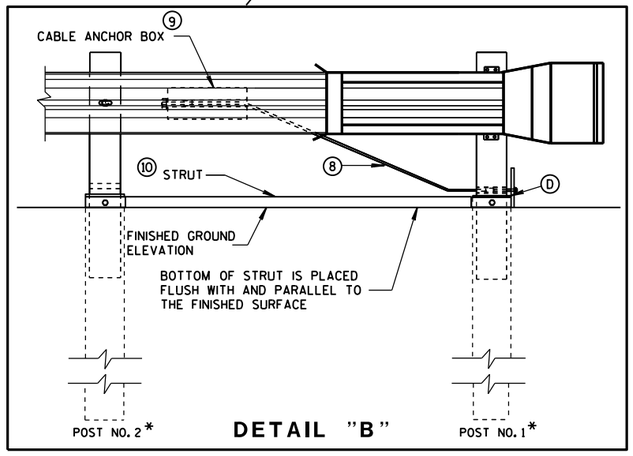








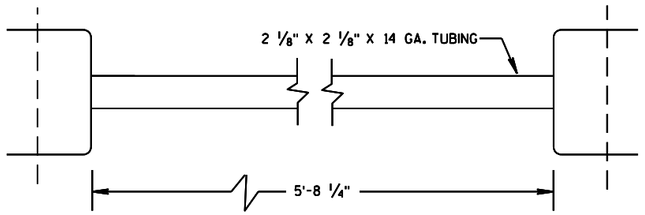




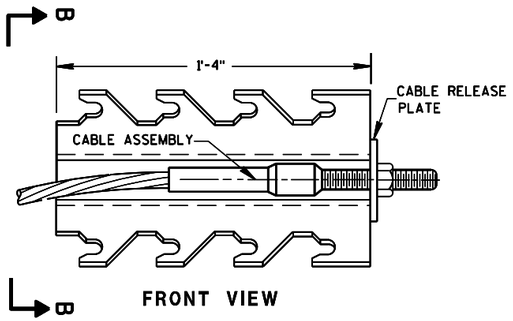
STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

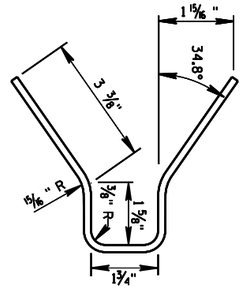
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S.D.D. 14 B 24-9a



⑩ STRUT DETAIL

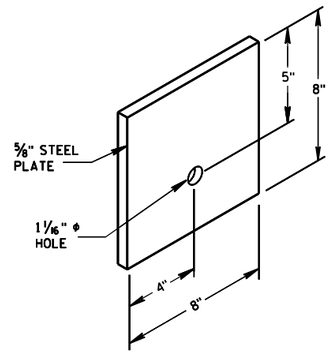


FRONT VIEW



SECTION B-B

⑨ CABLE ANCHOR BOX



⑦ STEEL BEARING PLATE

6

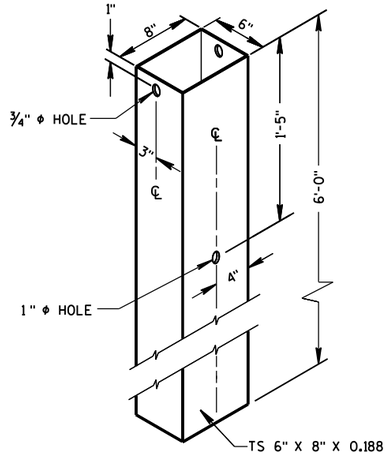
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S.D.D. 14 B 24-9b

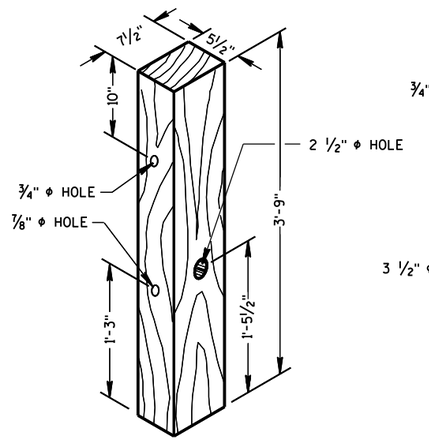
S.D.D. 14 B 24-9b

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

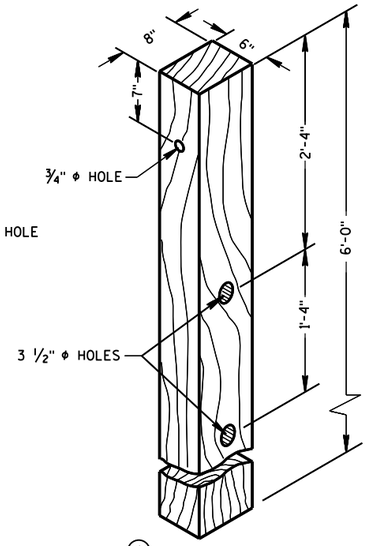
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DEPARTMENT OF TRANSPOI



② 72" STEEL TUBE
(POSTS NO. 1-2



① TERMINAL POST

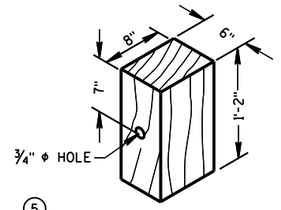


④ CRT POST
(POSTS NO'S 5-8

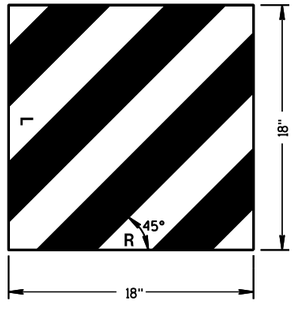
WOOD BREAKAWAY POSTS

GENERAL NOTES

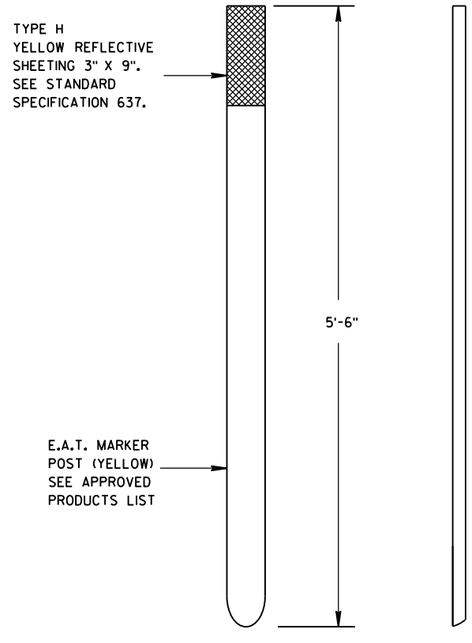
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 ½" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.



⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



⑭ REFLECTIVE SHEETING DETAILS



E.A.T. MARKER POST

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV.

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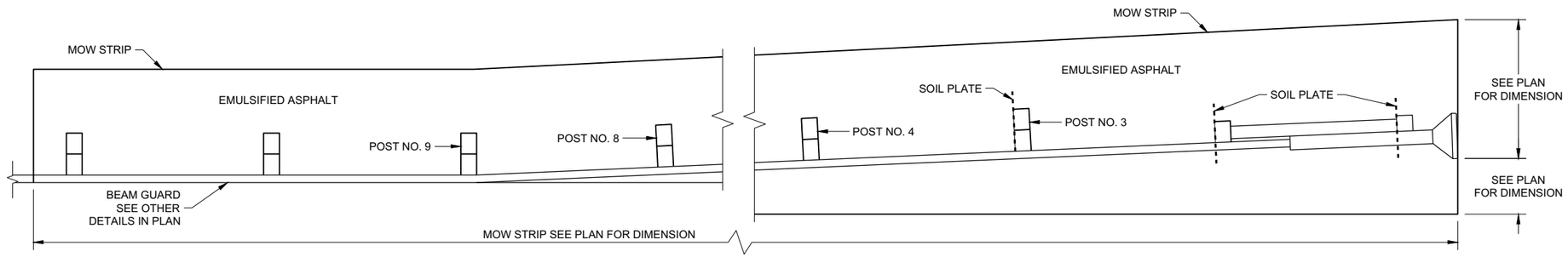
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S.D.D. 14 B 24-9c

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S.D.D. 14 B 24-9c



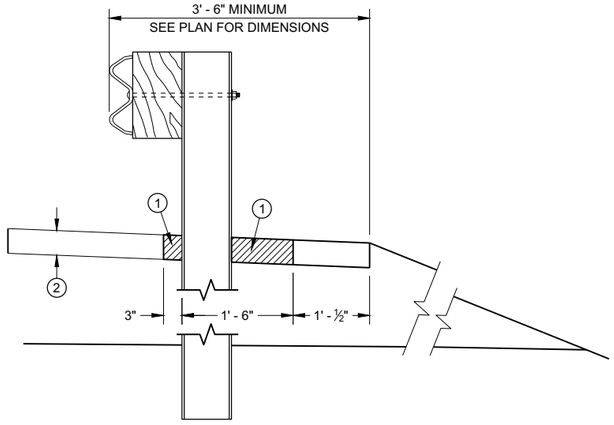
PLAN VIEW

MOW STRIP LAYOUT FOR ENERGY ABSORBING TERMINAL

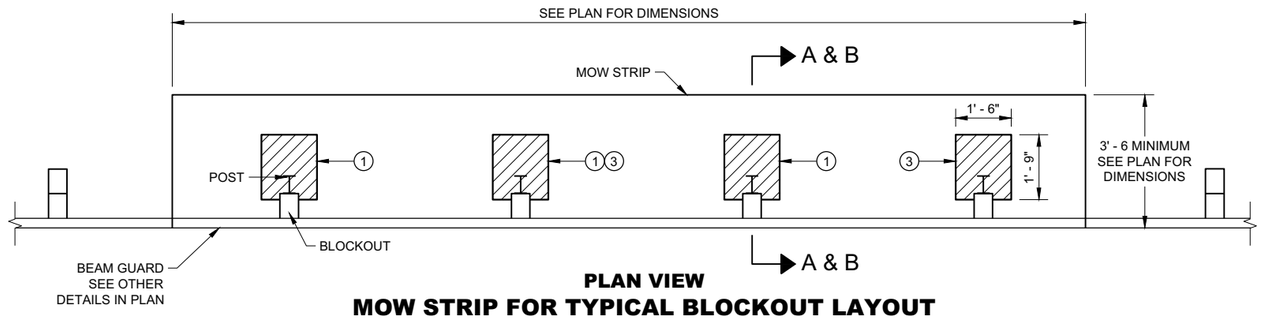
GENERAL NOTES

ONLY USE STEEL POSTS IN CONCRETE AND ASPHALT MOW STRIPS.

1. CONTROLLED LOW-STRENGTH BACKFILL OR EMULSIFIED ASPHALT.
2. DEPTH OF MOW STRIP:
   ASPHALT - 4"
   CONCRETE - 4"
   EMULSIFIED ASPHALT - 1" OR LESS
3. FOR EMULSIFIED ASPHALT, MOW STRIP STRIP LEAVE OUTS NOT REQUIRED. (TYPICAL FOR ALL POSTS)

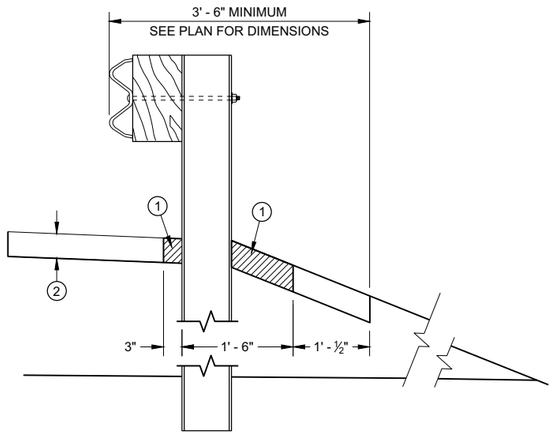


SECTION A - A

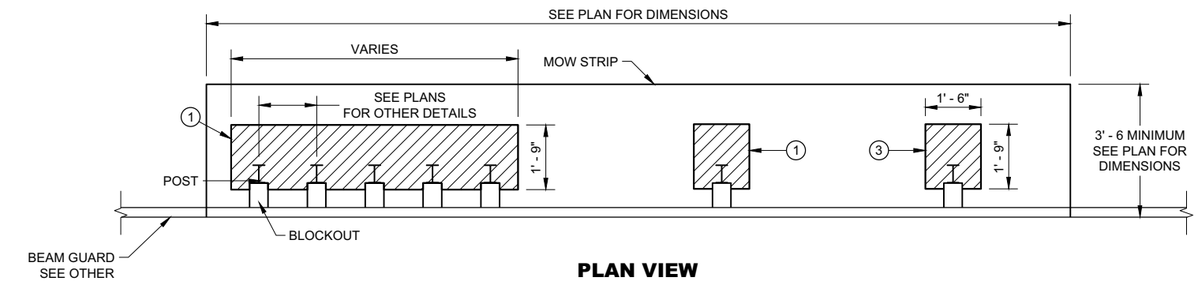


PLAN VIEW

MOW STRIP FOR TYPICAL BLOCKOUT LAYOUT

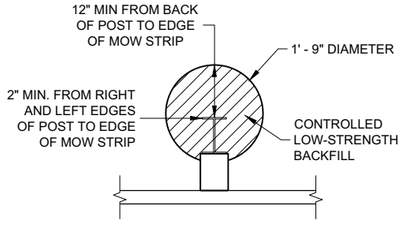


SECTION B - B

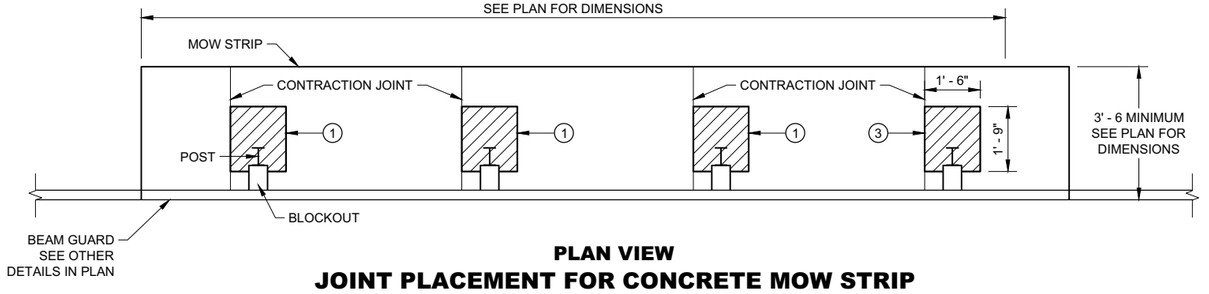


PLAN VIEW

MOW STRIP FOR TIGHT SPACING LAYOUT



ALTERNATIVE HMA MOW STRIP DESIGN



PLAN VIEW

JOINT PLACEMENT FOR CONCRETE MOW STRIP

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B28 - 04a

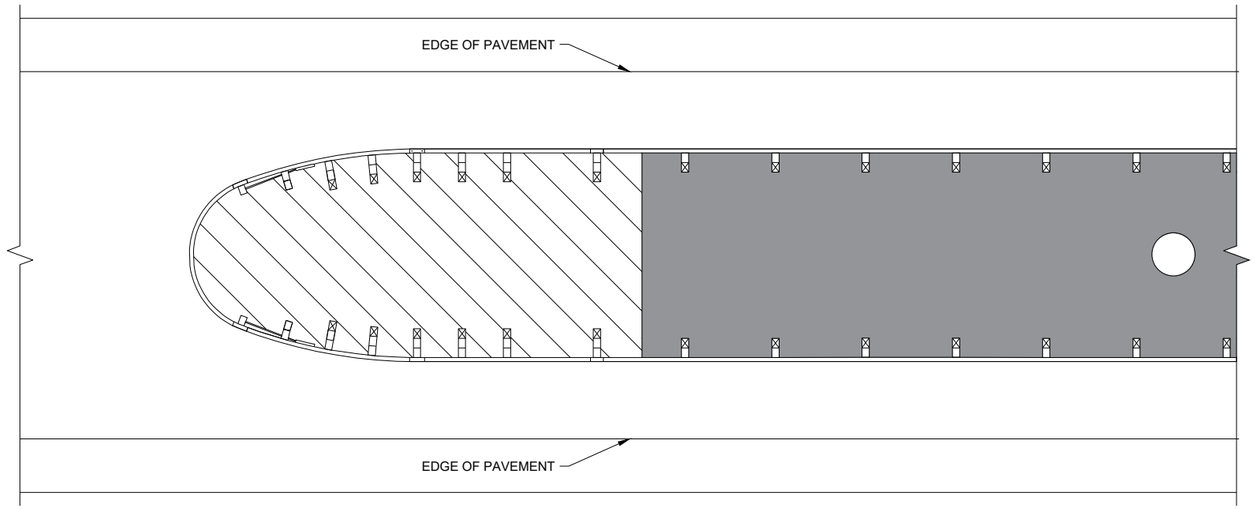
LEGEND

CONCRETE, ASPHALT, OR EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

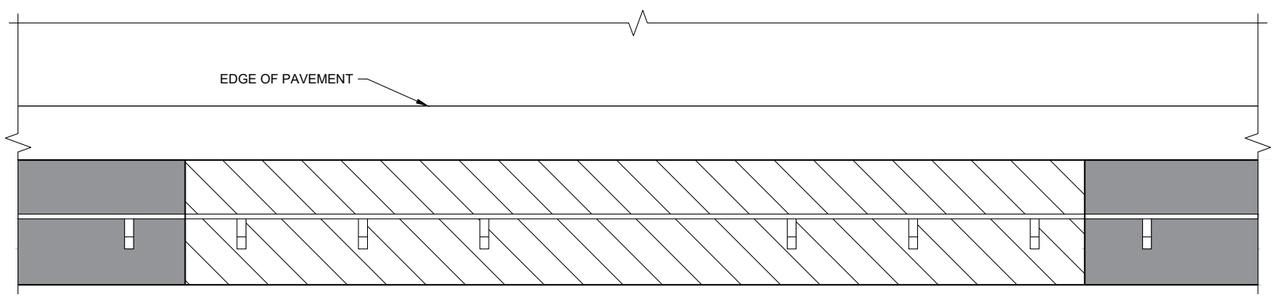
EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

GENERAL NOTES

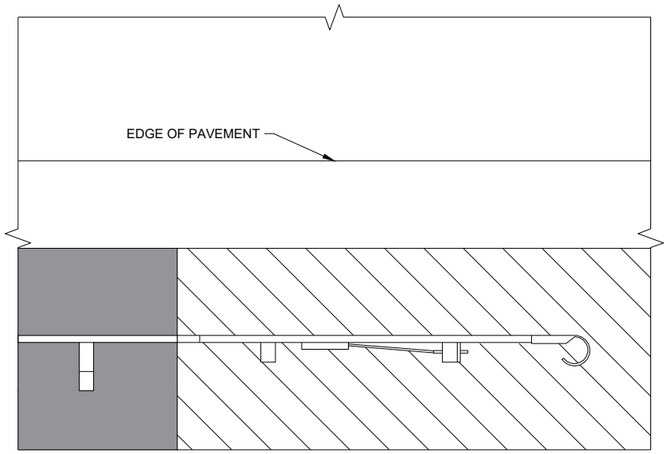
EXISTING THRIE BEAM BULLNOSES MAY HAVE WOOD POSTS. NEW THRIE BEAM BULLNOSE WILL HAVE STEEL POSTS.



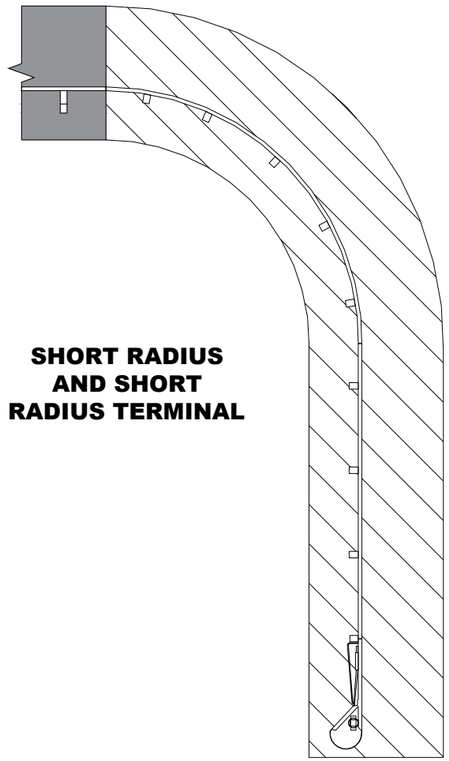
THRIE BEAM BULLNOSE



LONG - SPAN



TYPE 2 TERMINAL



SHORT RADIUS AND SHORT RADIUS TERMINAL

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

300

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SDD 14B28 - 04b

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SDD 14B28 - 04b

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

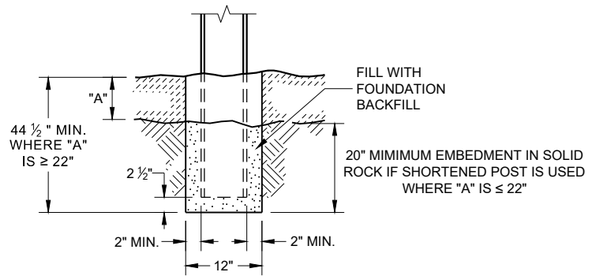
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

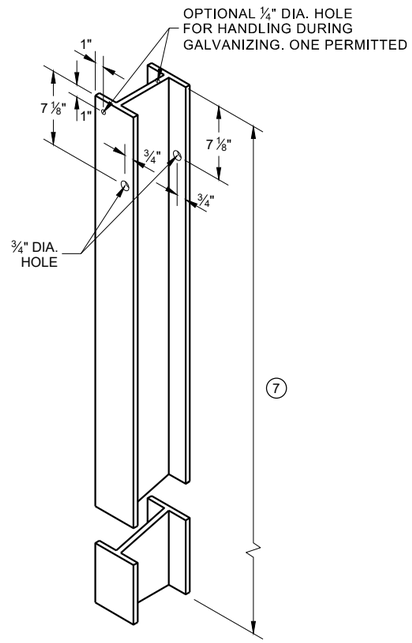
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

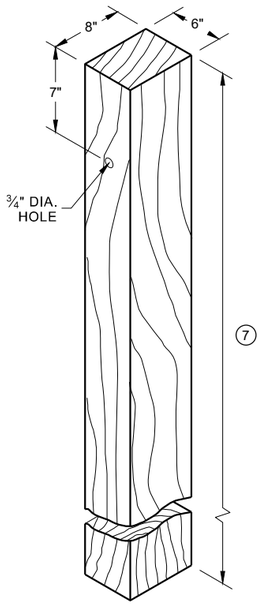
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



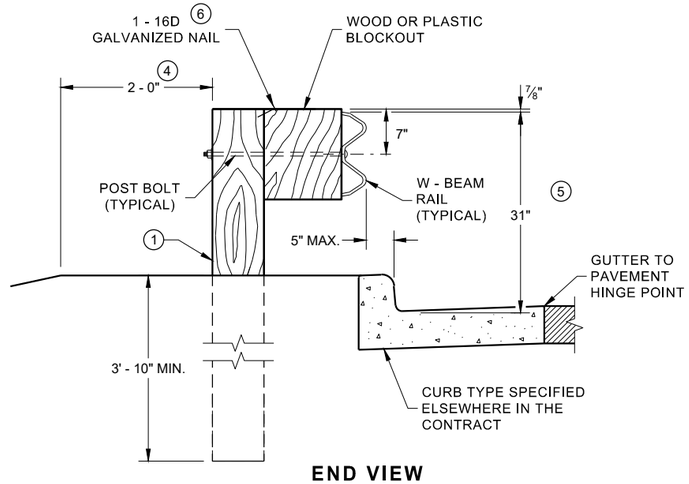
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



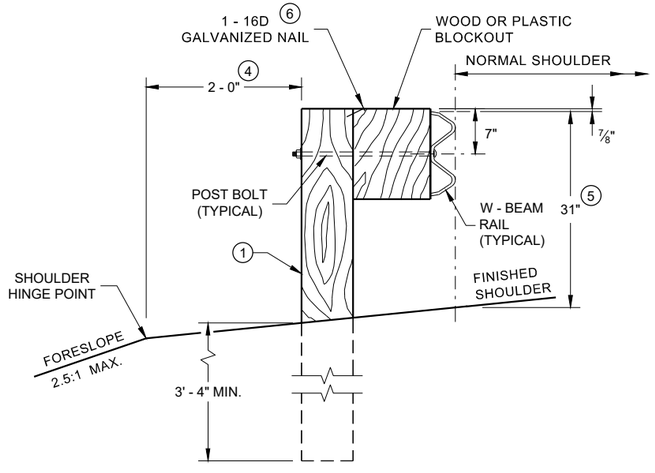
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



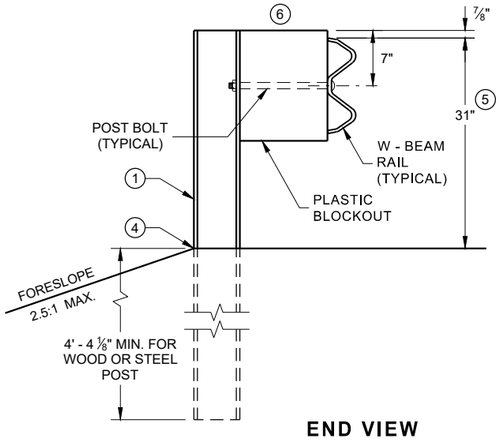
WOOD POST (6" X 8") NOMINAL (1)



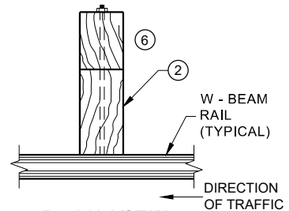
END VIEW
LOCATED ALONG A CURBED ROADWAY



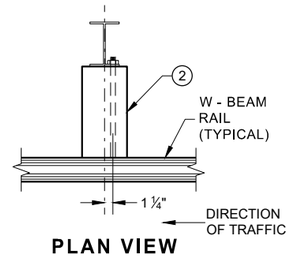
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



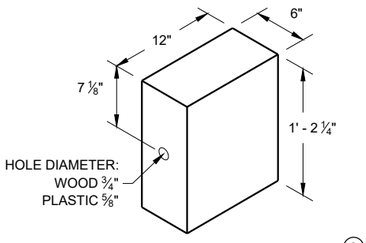
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



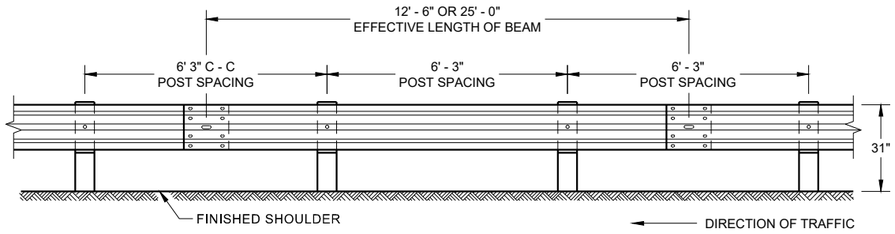
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

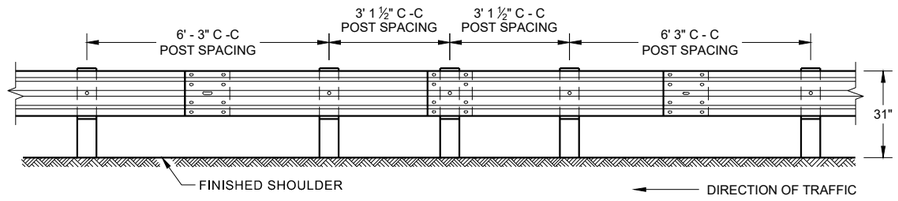
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 07a

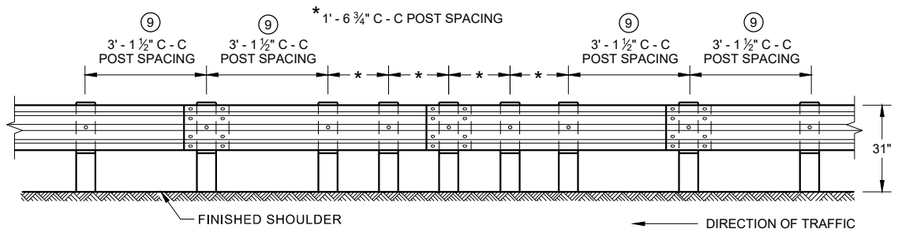
SDD 14B42 - 07a



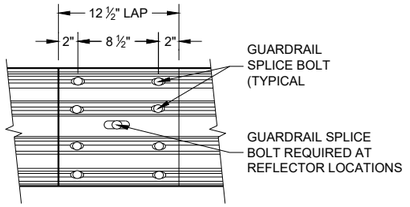
FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

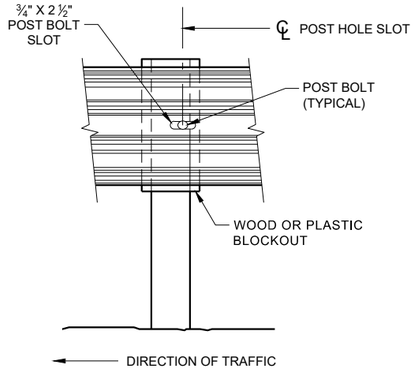
GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

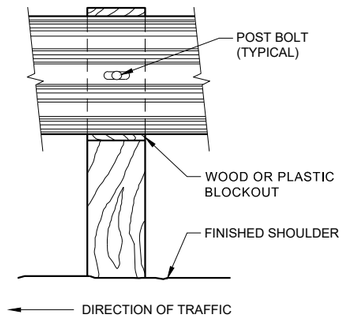
(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

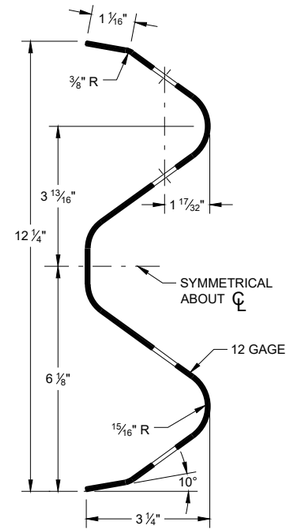
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



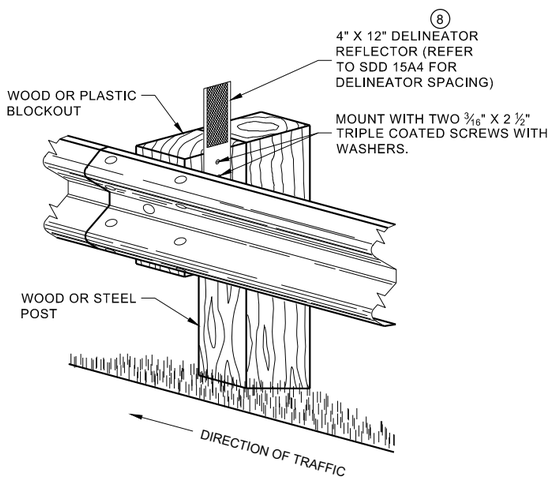
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



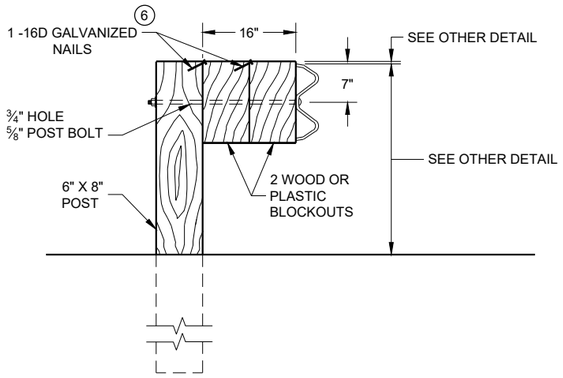
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

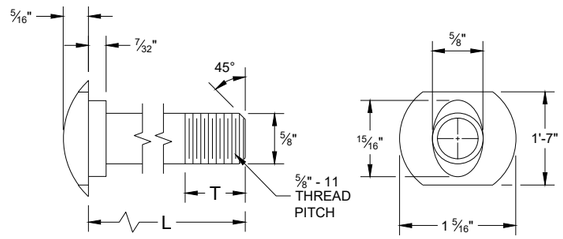


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

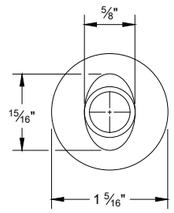
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

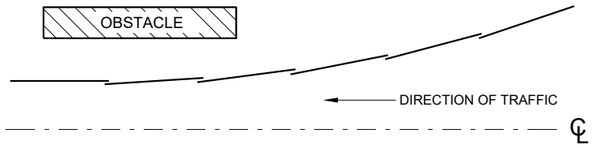


POST BOLT TABLE

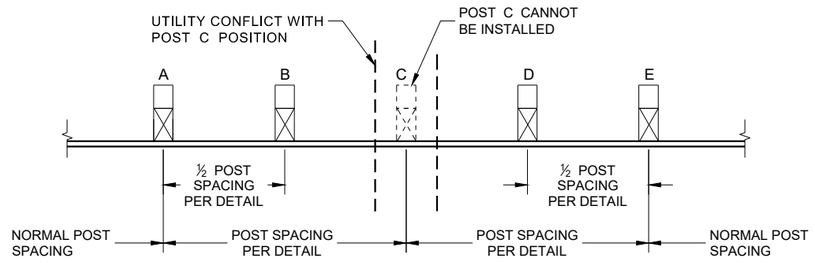
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



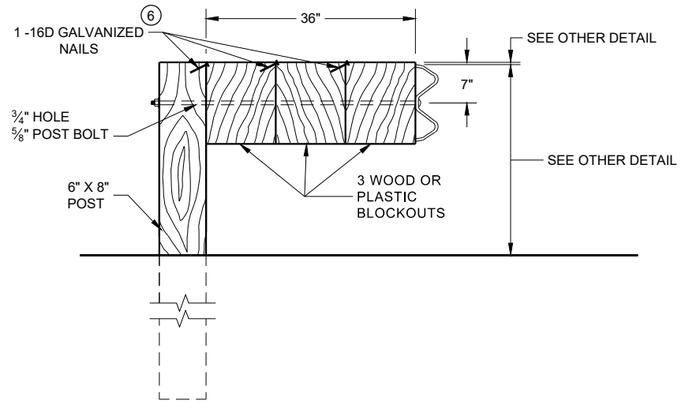
ALTERNATE BOLT HEAD



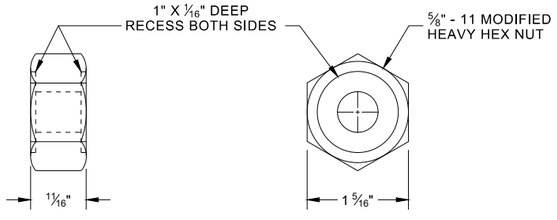
PLAN VIEW
BEAM LAPPING DETAIL



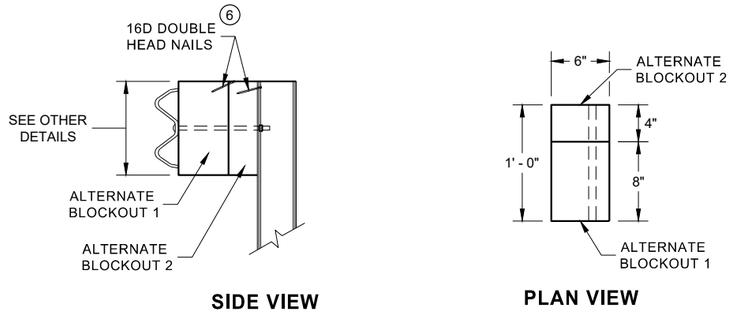
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW

PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

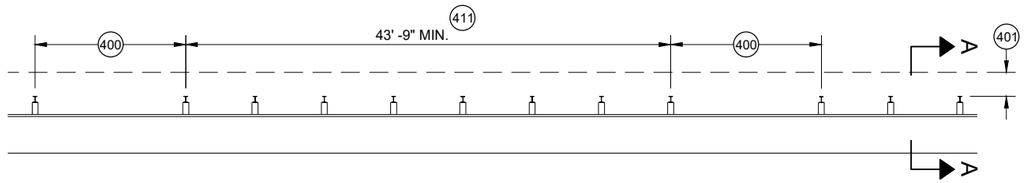
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

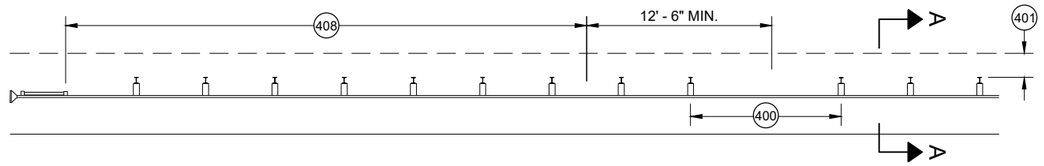
6

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

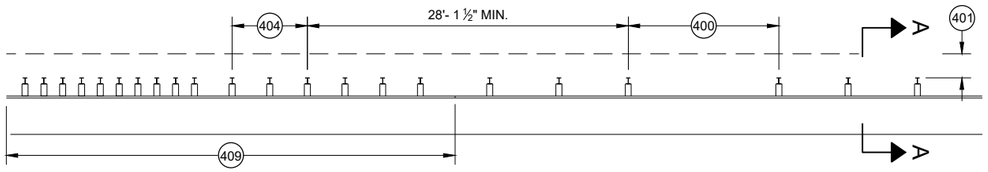
SDD 14B42 - 07c



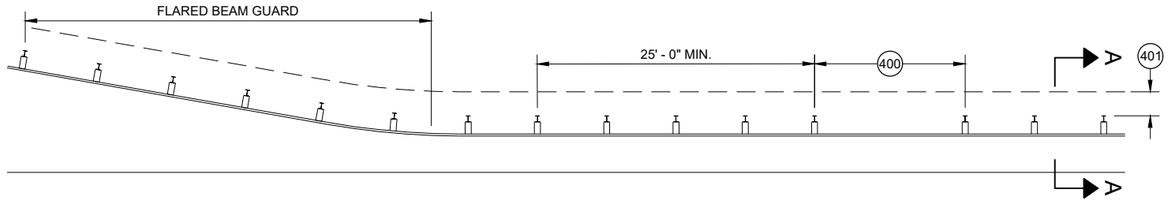
MISSING POST IN MGS GUARDRAIL



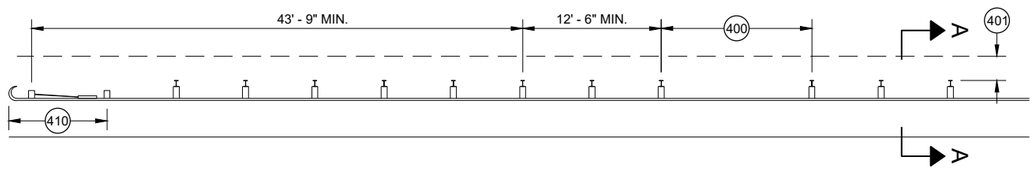
MISSING POST IN MGS GUARDRAIL NEAR EAT



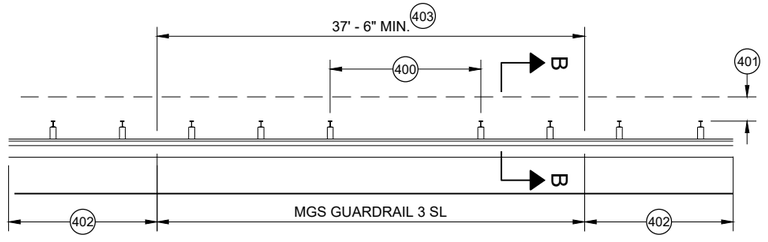
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

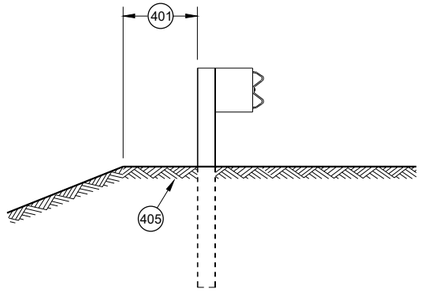


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

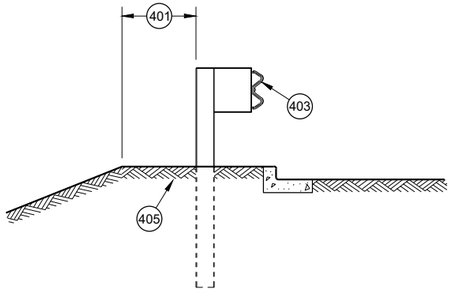


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

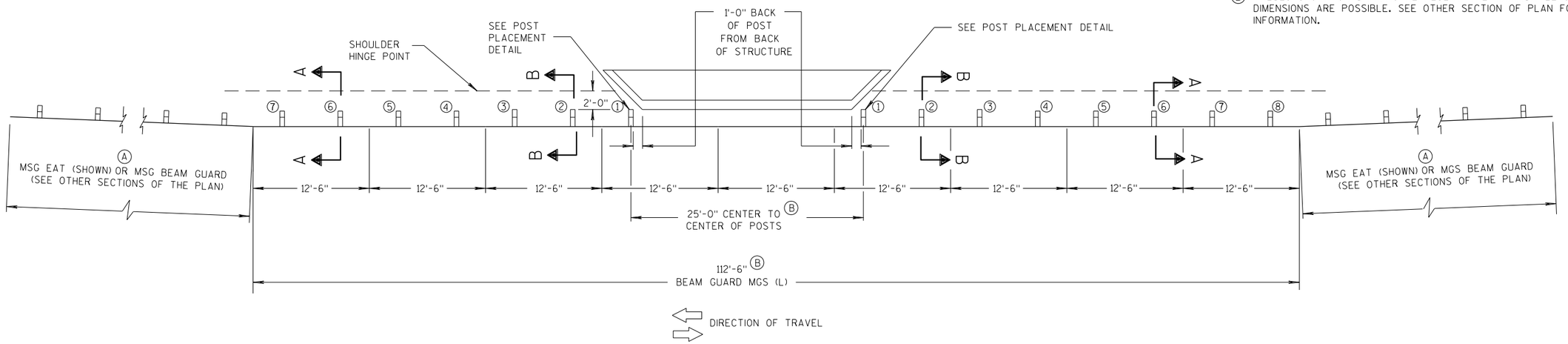
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

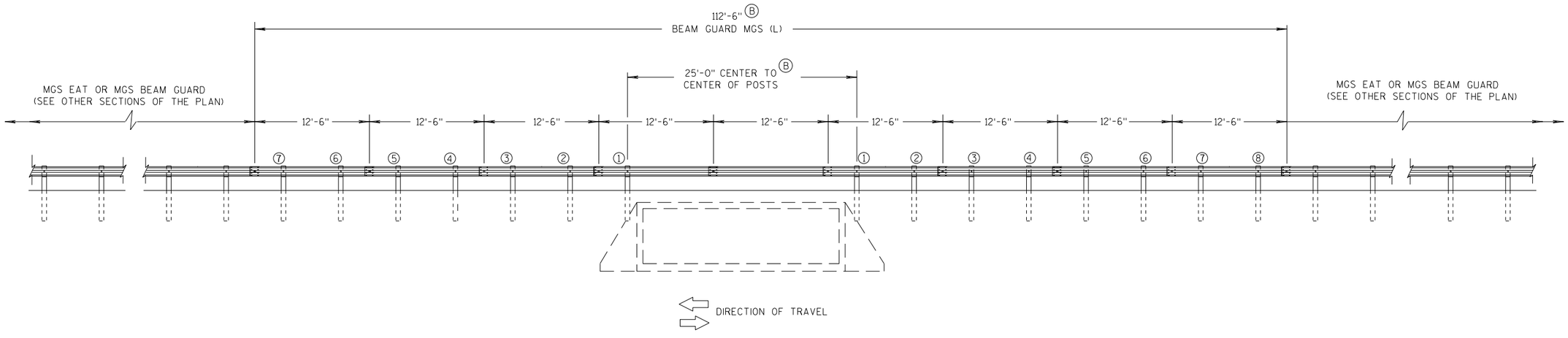
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4a

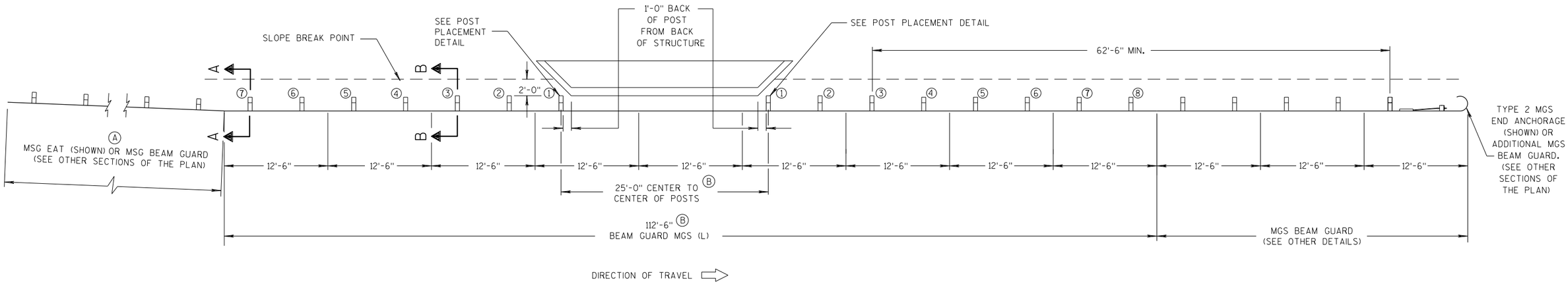
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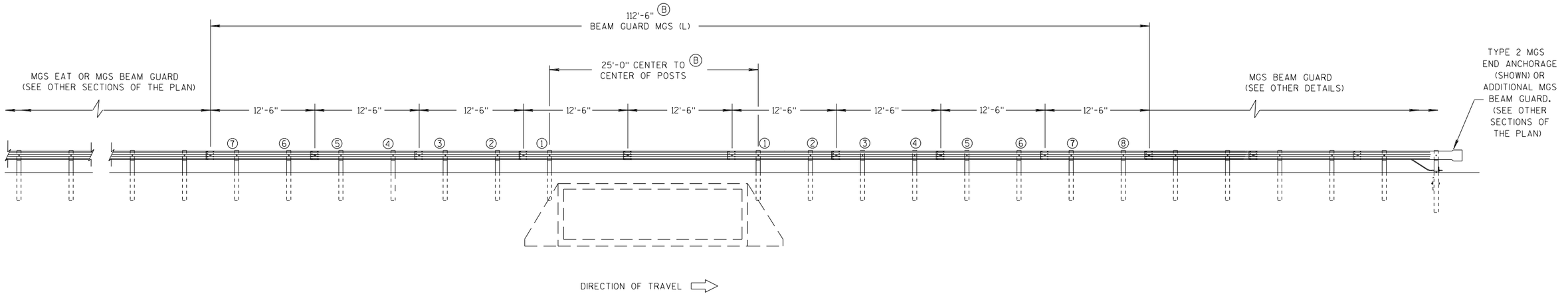
SEE SDD 14 B 42 FOR MORE DETAILS.

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PLAN VIEW



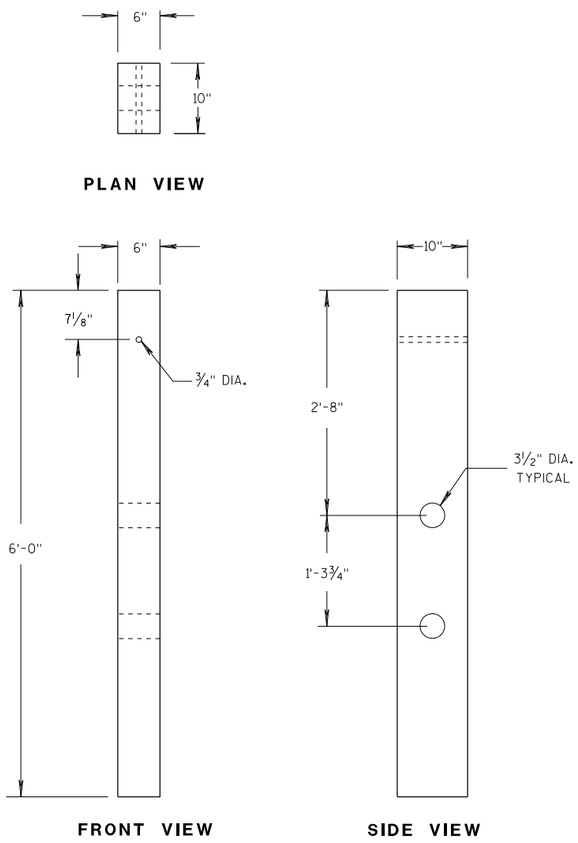
ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

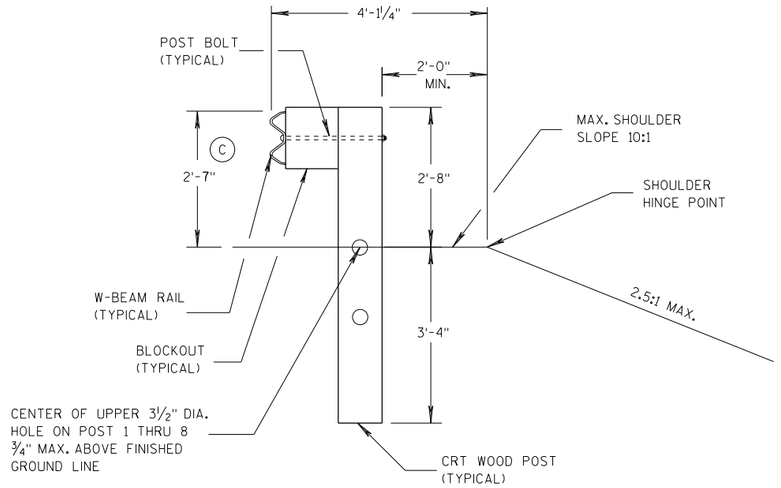
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	306

6

S.D.D. 14 B 43-4b



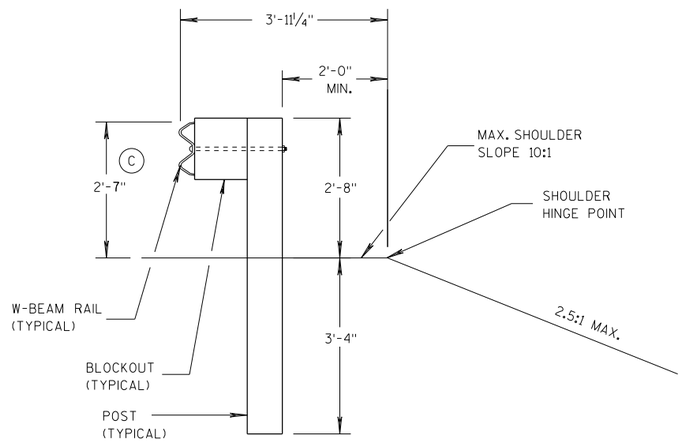
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



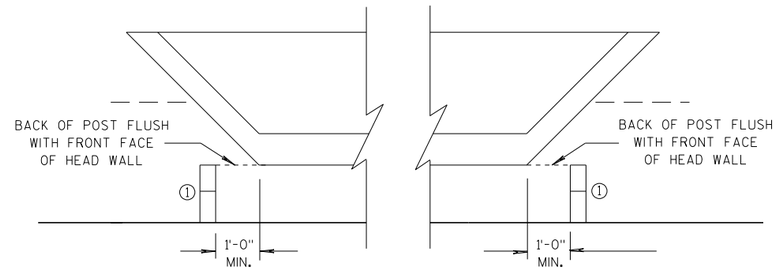
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DIRECTOR
ENGINEER

D 307 NT

6

S.D.D. 14 B 43-4c

6

S.D.D. 14 B 43-4c

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

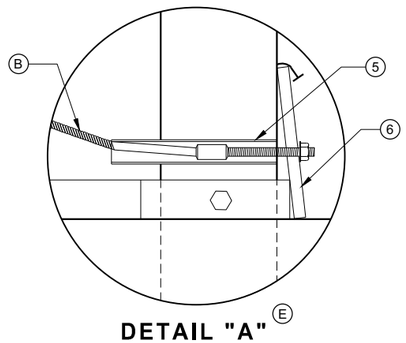
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

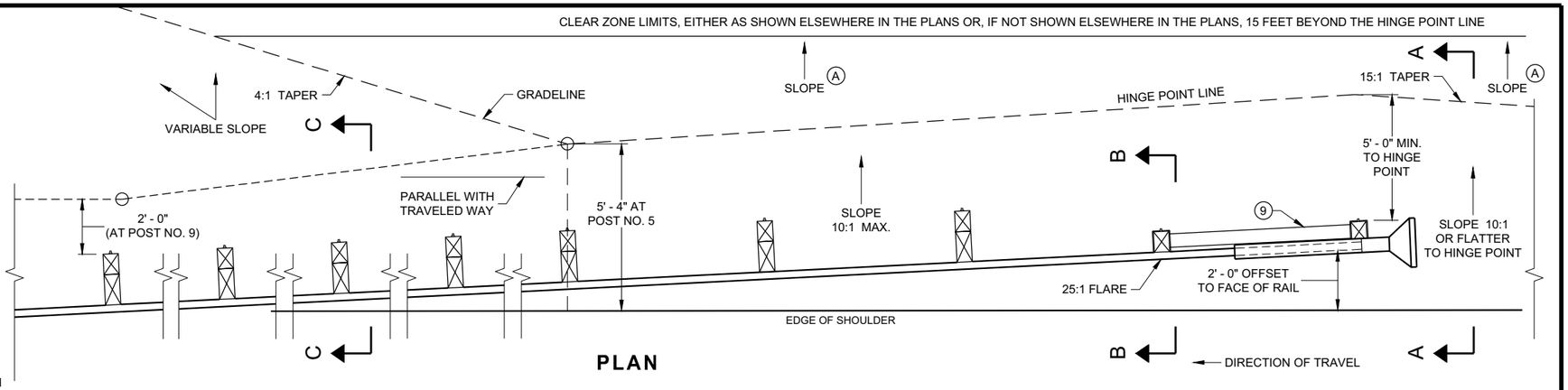
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

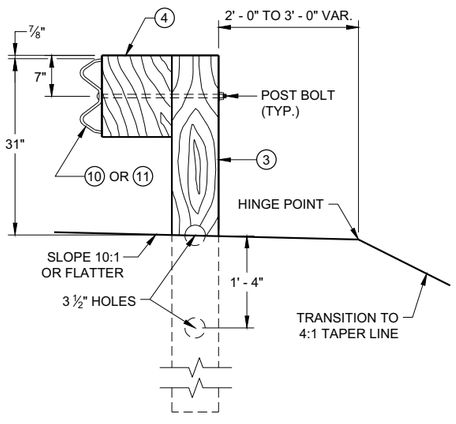
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.

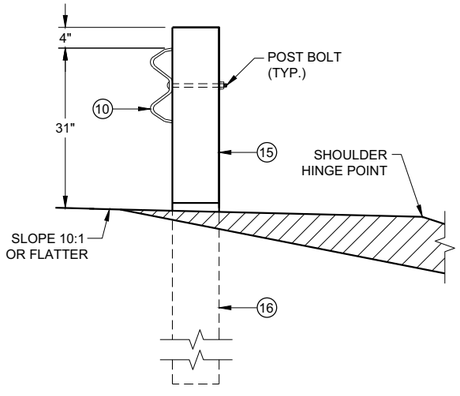


DETAIL "A" (E)

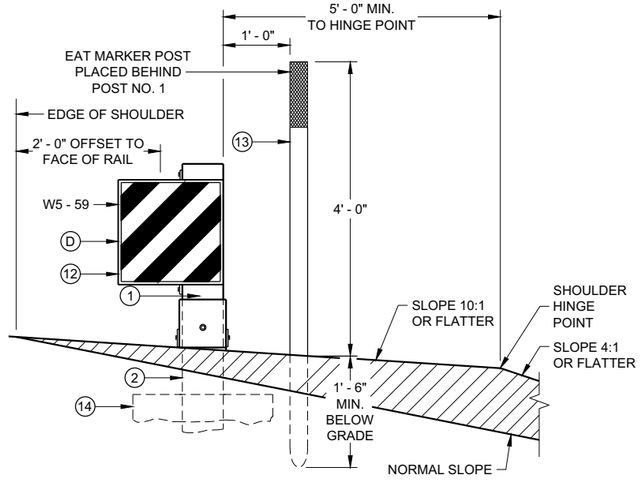




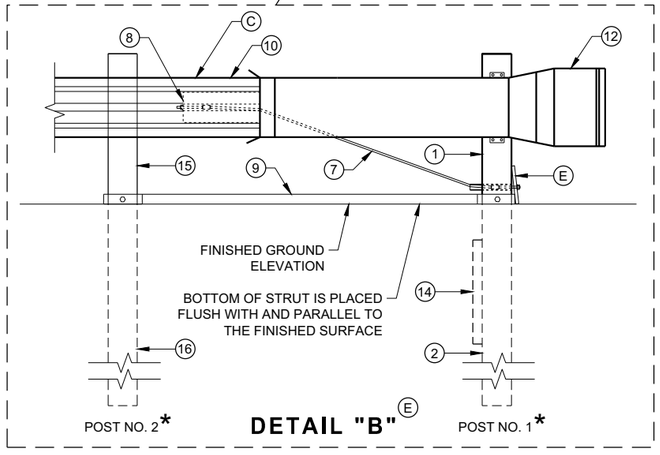
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

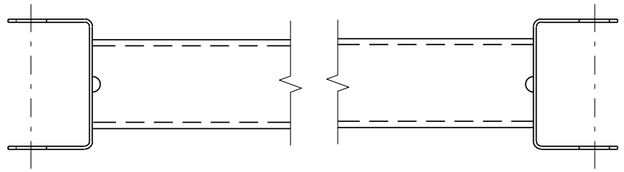
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

SDD 14B44 - 04a

6

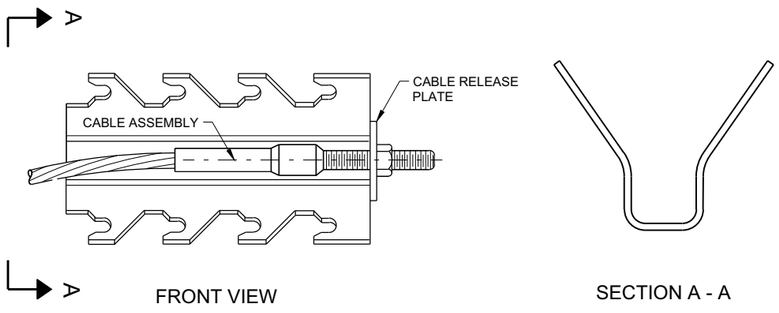
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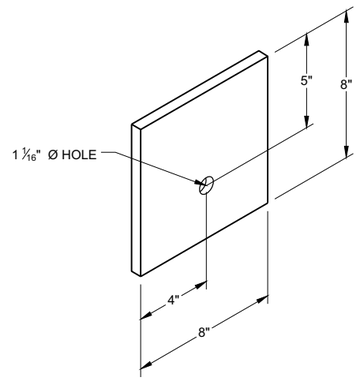
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

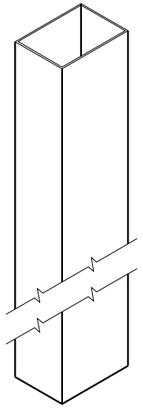
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SDD 14B44 - 04b

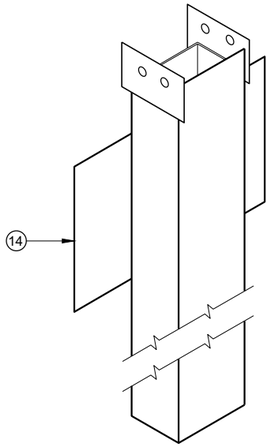
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

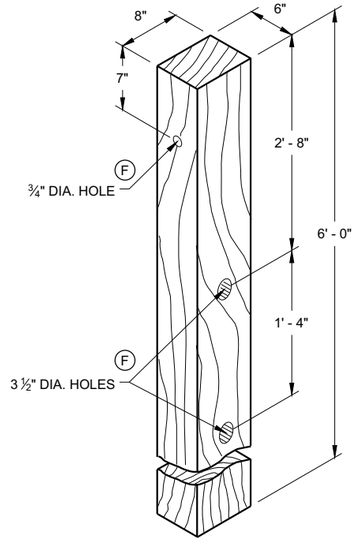
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



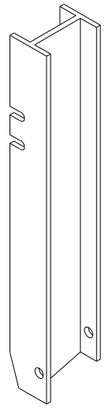
UPPER POST NO. 1 (1) (E)



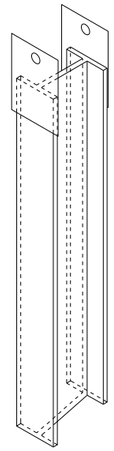
LOWER POST NO. 1 (2) (E)



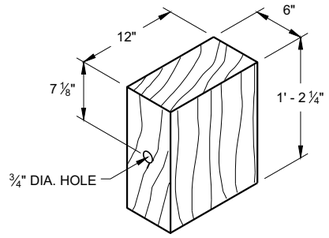
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



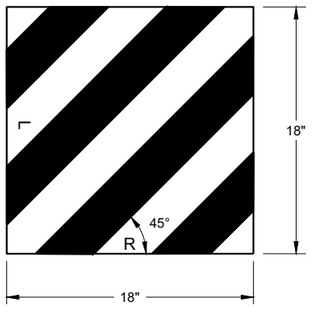
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

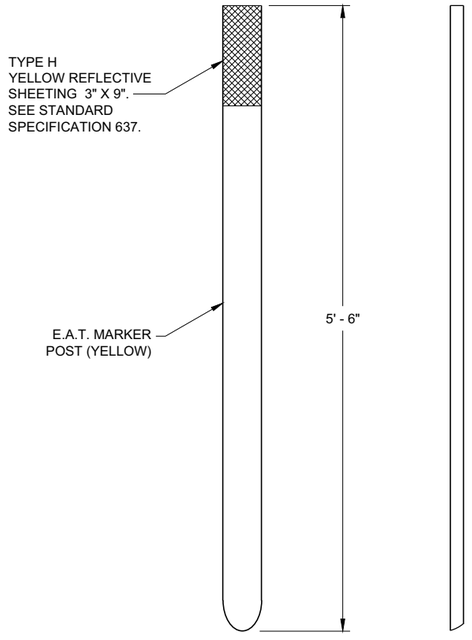


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



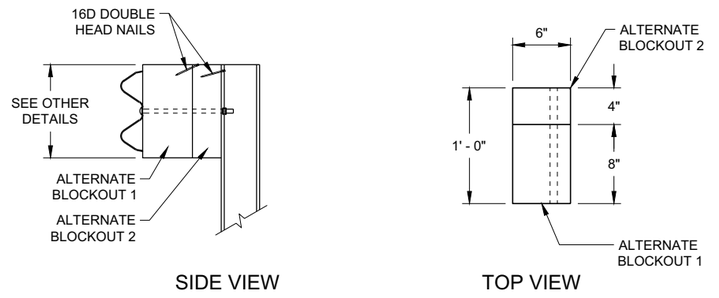
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

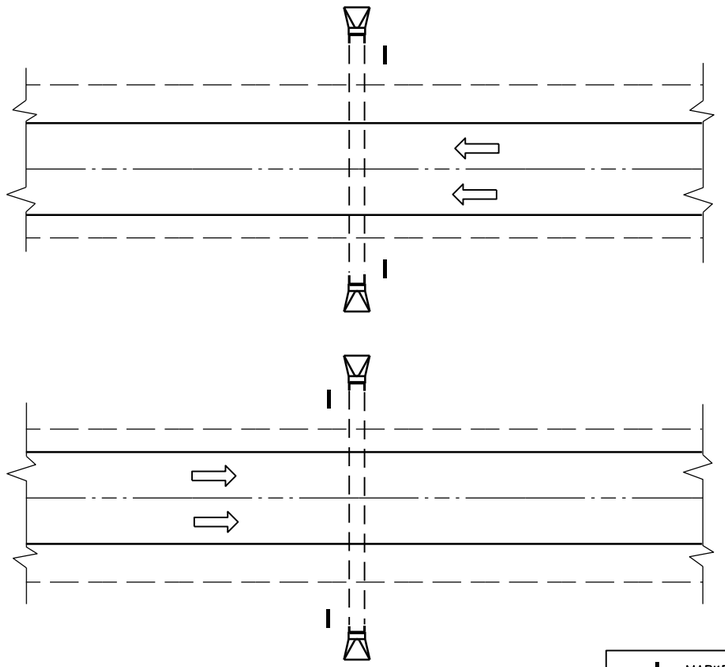
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

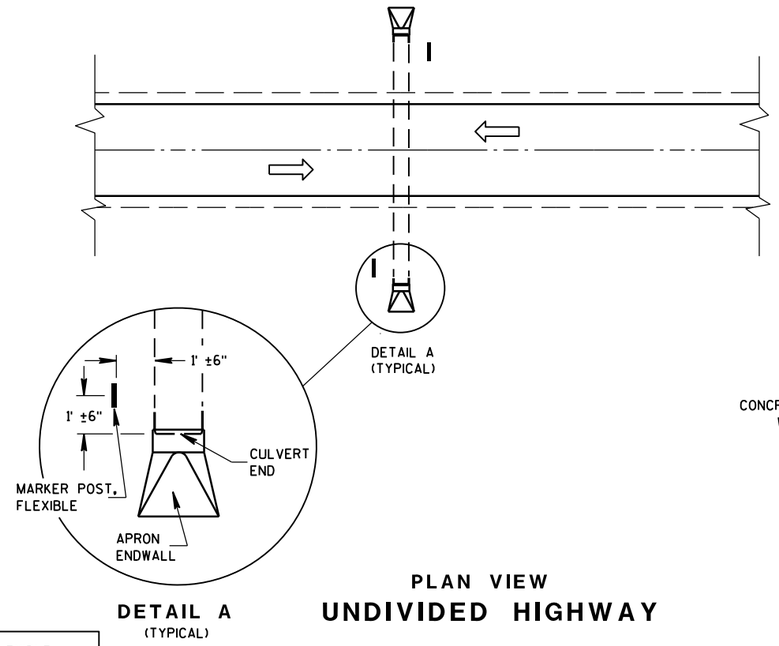
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SDD 14B44 - 04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

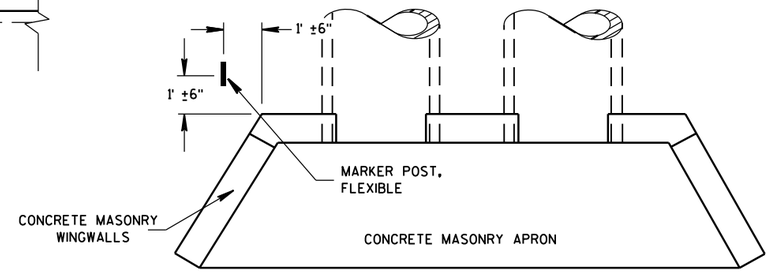
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

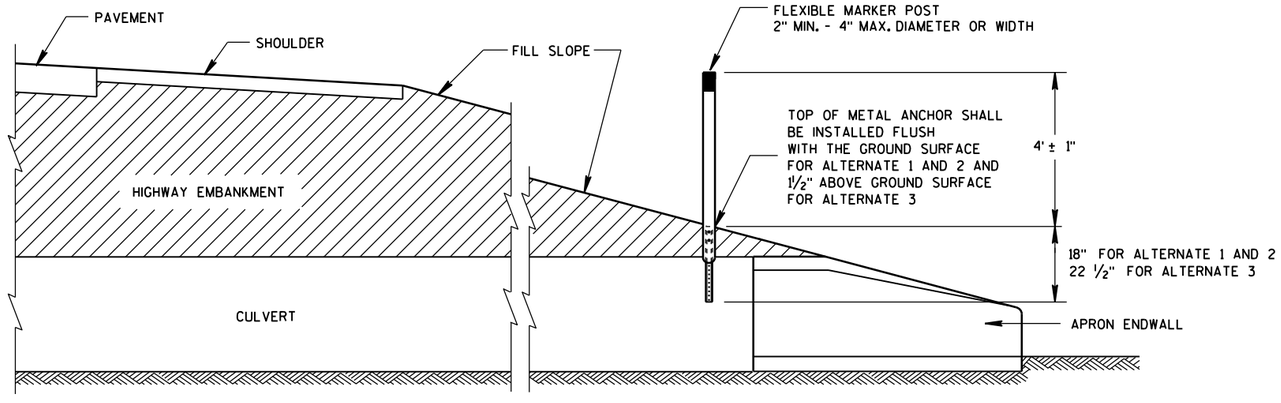
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

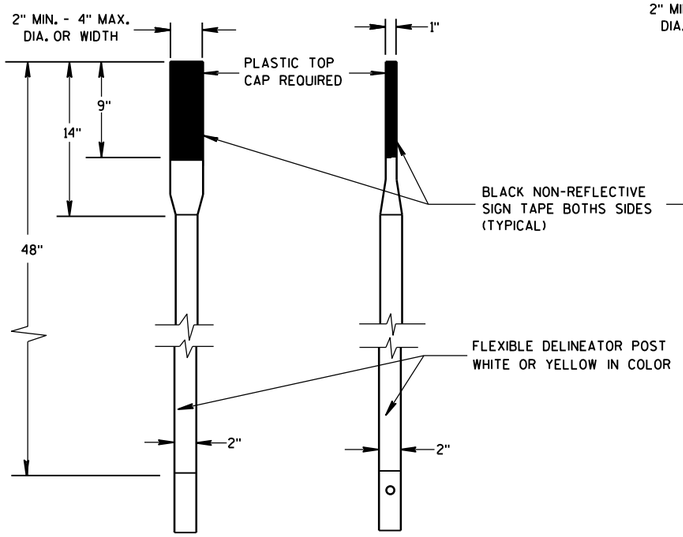
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

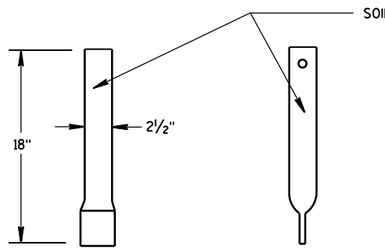
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S.D.D. 15 A 3-2a

6

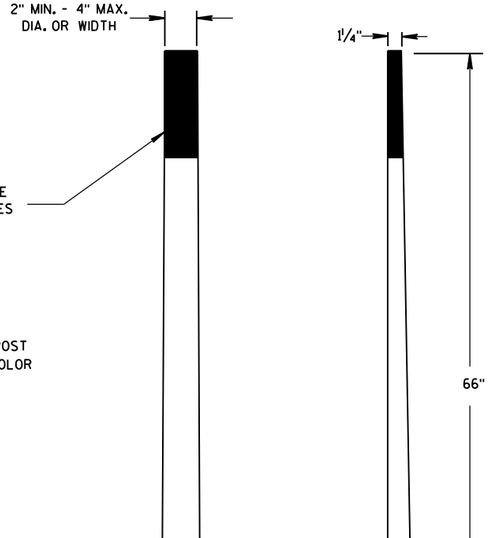
S.D.D. 15 A 3-2a





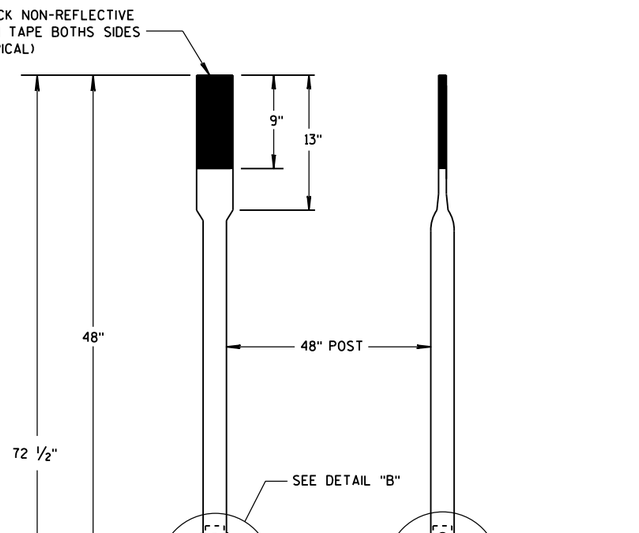
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

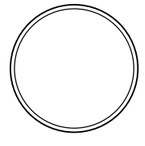
ALTERNATE 2



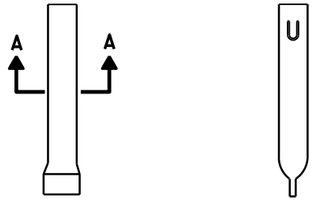
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

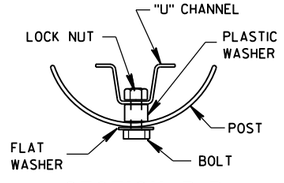


SECTION A-A

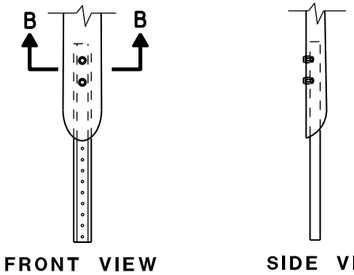


FRONT VIEW SIDE VIEW

ALTERNATE 1

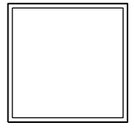


SECTION B-B

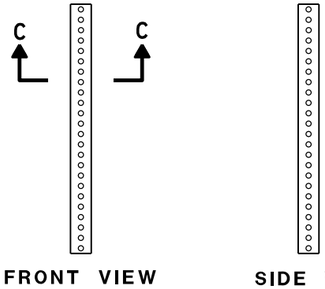


FRONT VIEW SIDE VIEW

ALTERNATE 2



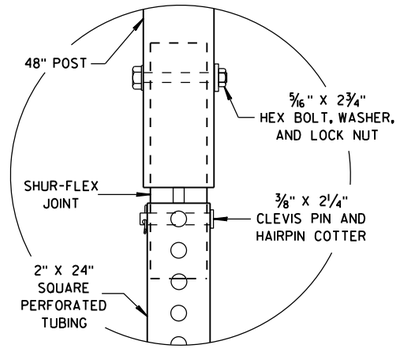
SECTION C-C



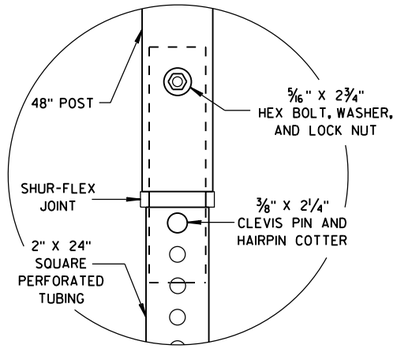
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

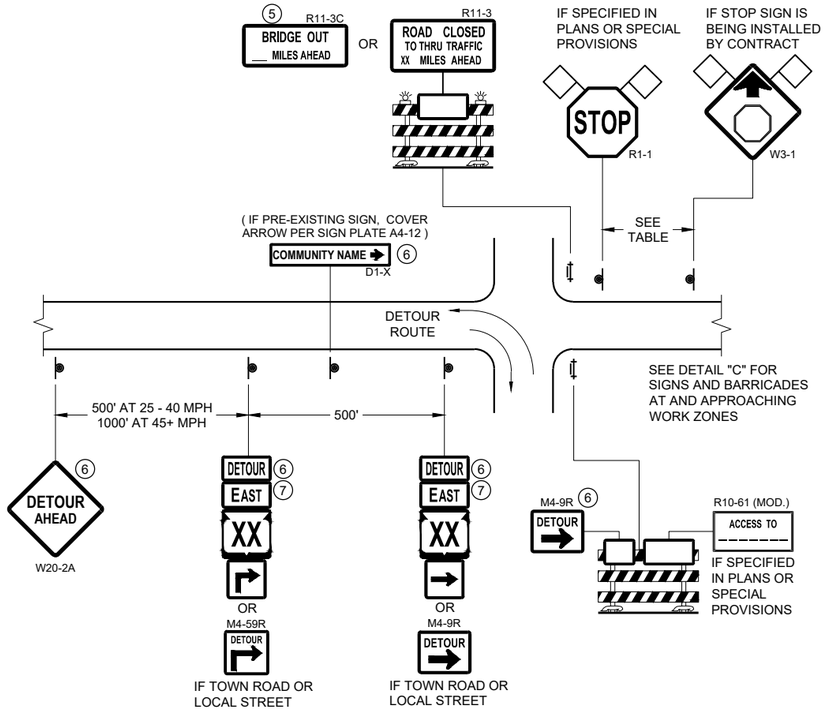
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

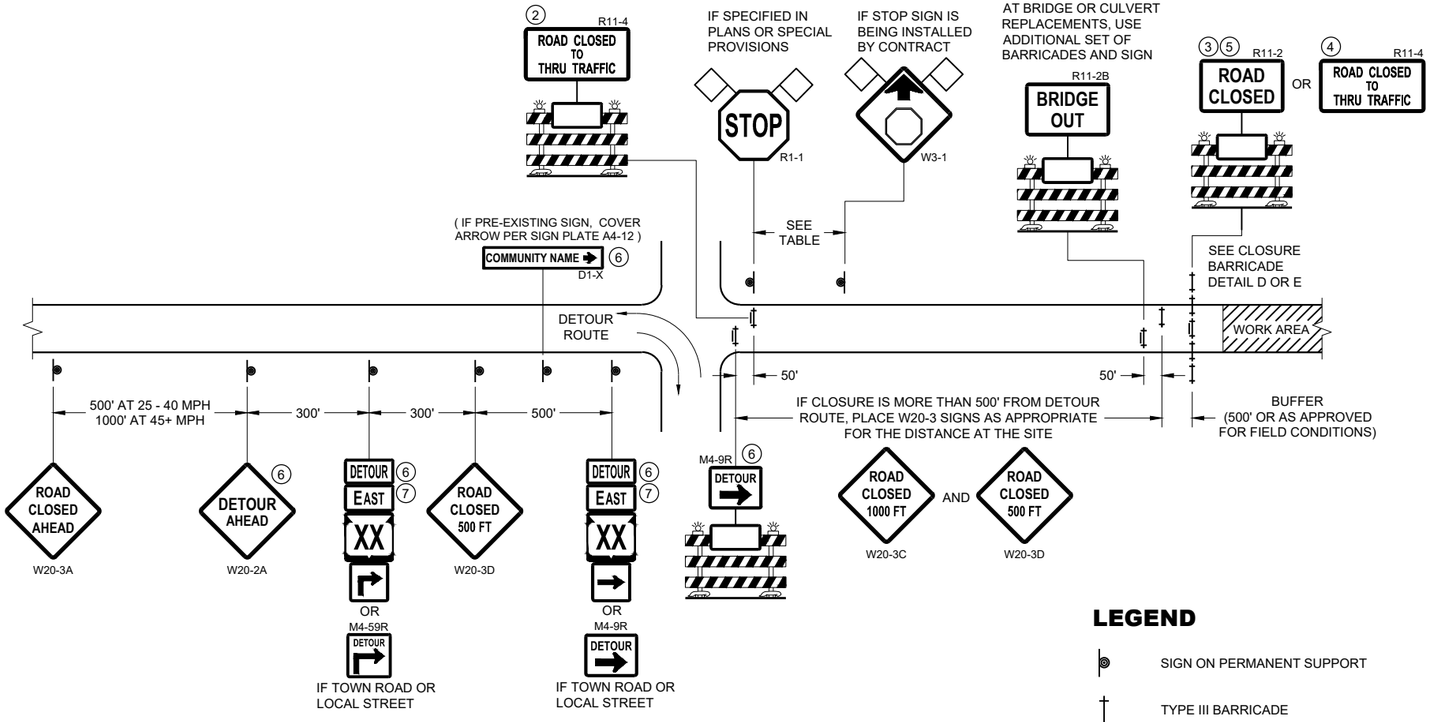
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S.D.D. 15 A 3-2b



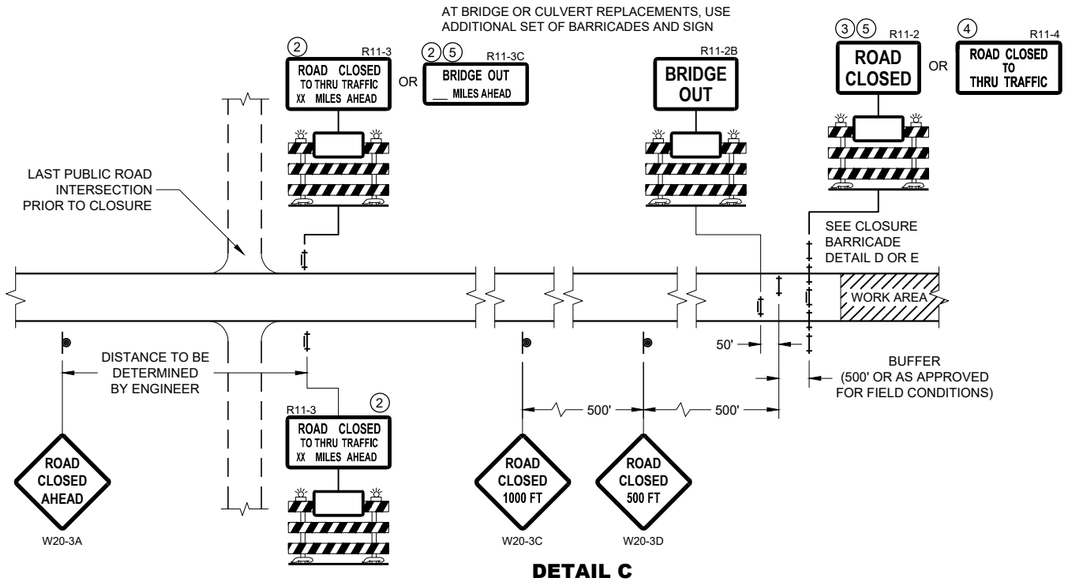
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

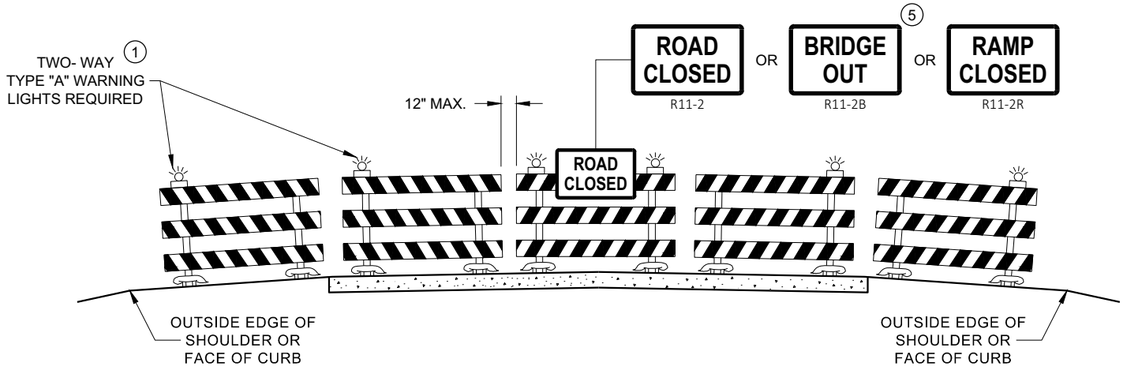
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

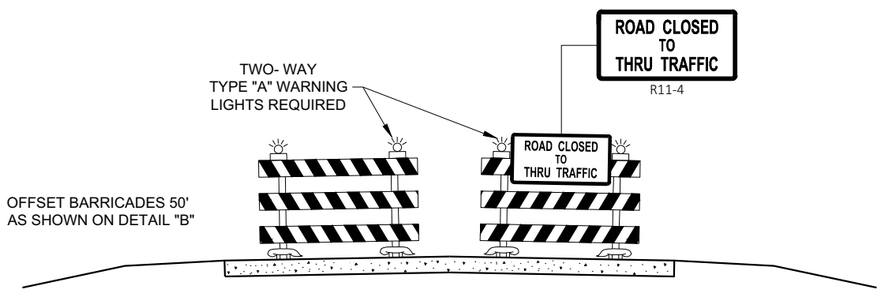
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SDD 15C02 - 08a

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
FHWA

6

SDD 15C02 - 08b

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 / EAST — M4 - 8, M3 - X
- XX — M1 - 4; XX — M1 - 6; COUNTY X — M1 - 5A
- M05 - 1; M06 - 1; 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.

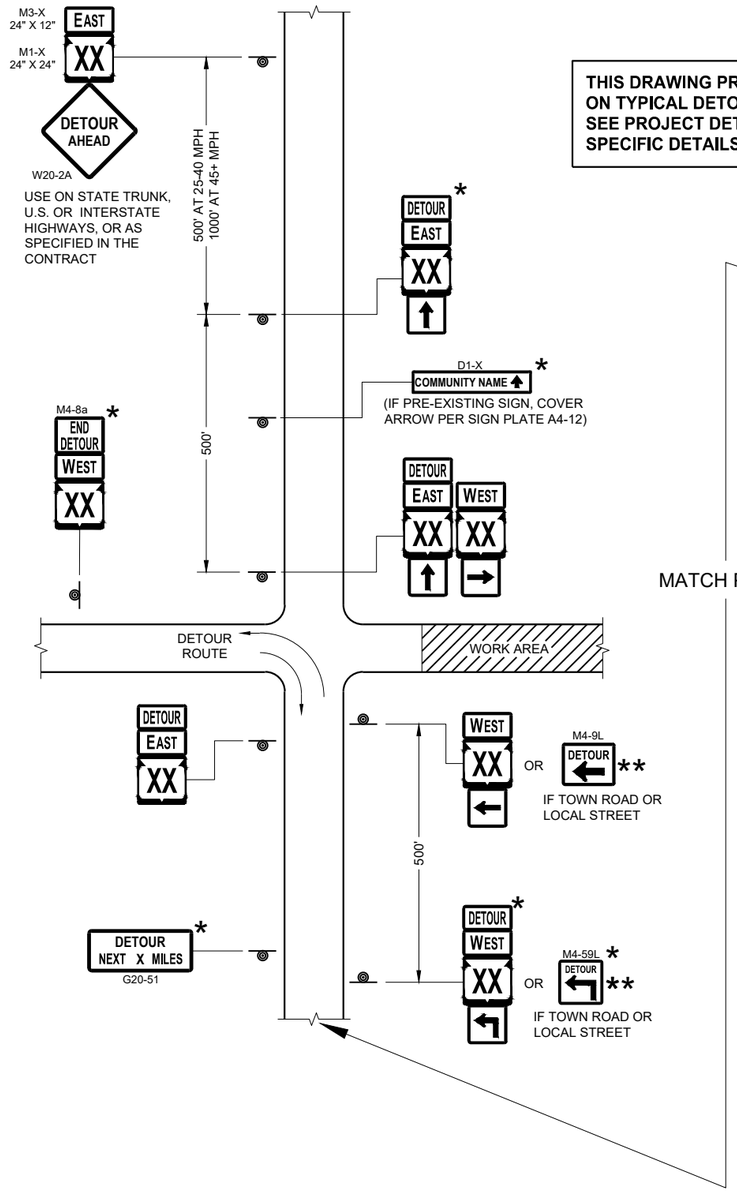
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

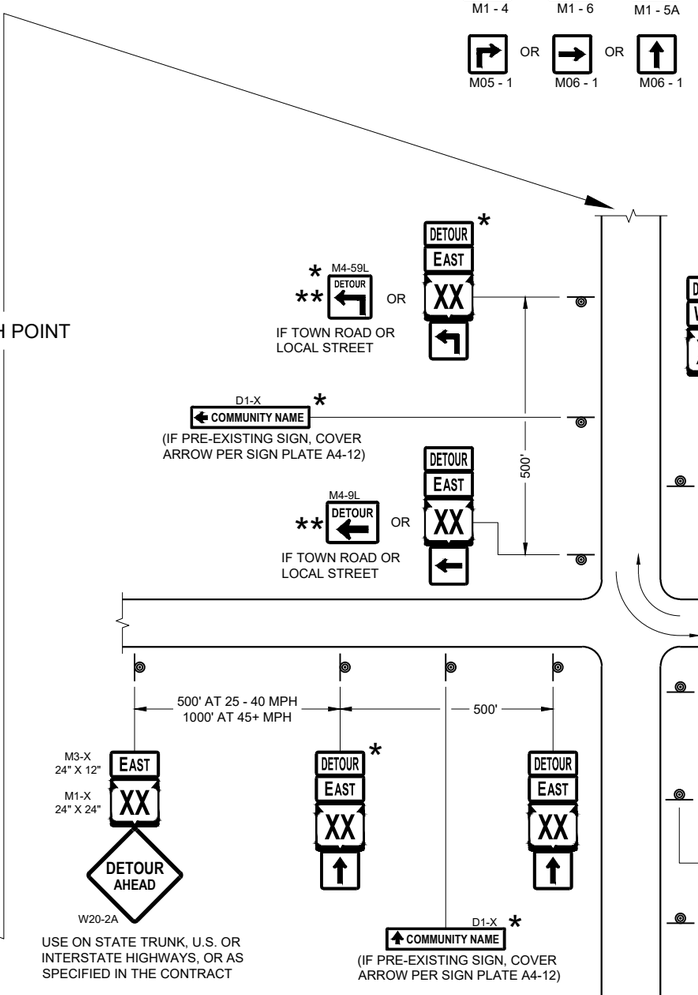
SIGN SIZES SHALL BE AS FOLLOWS:

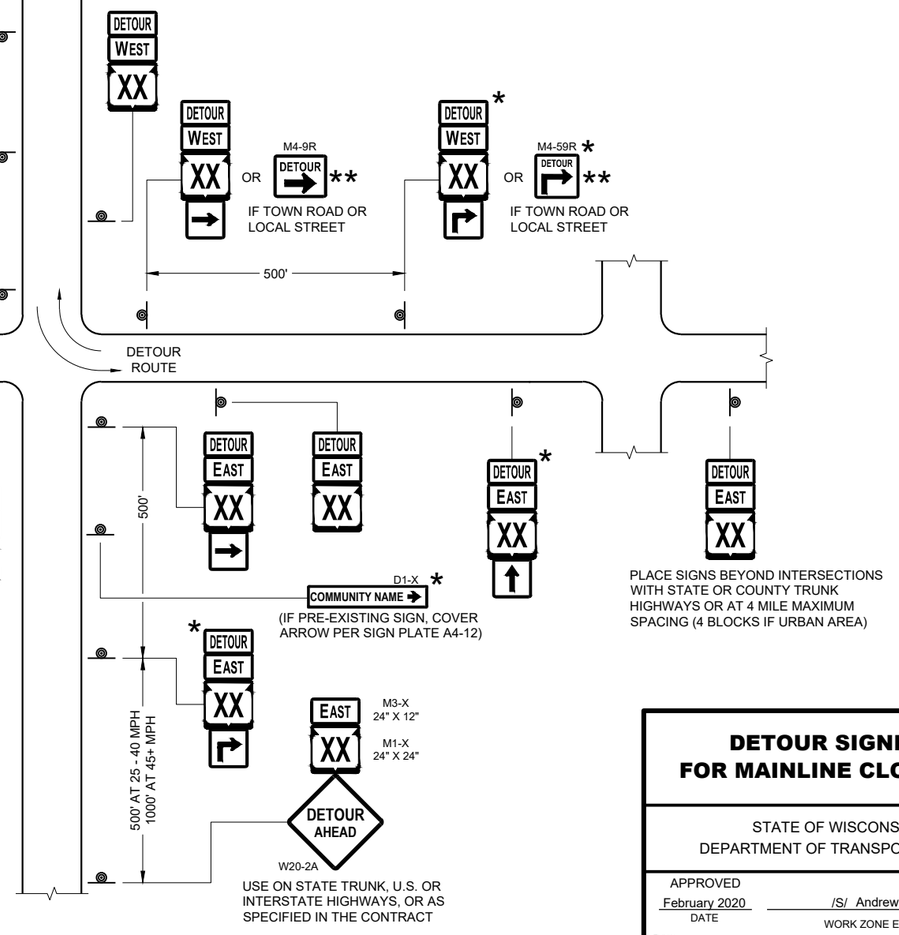
M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
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

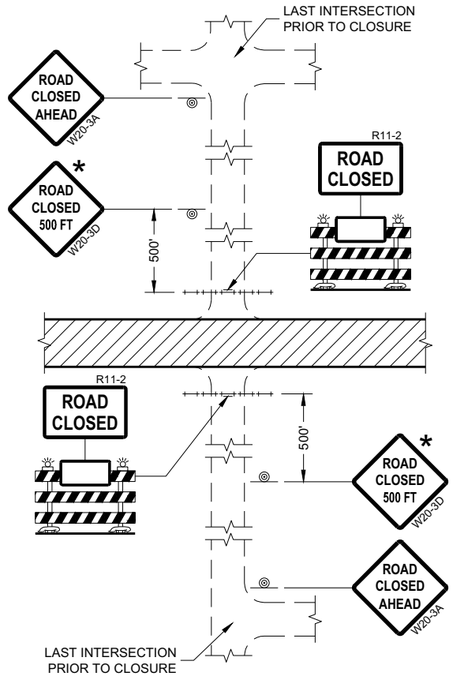
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

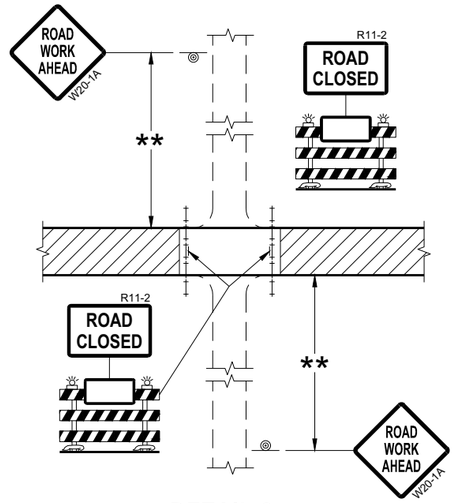
SDD 15C02 - 08c

SDD 15C02 - 08c

6



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO 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.

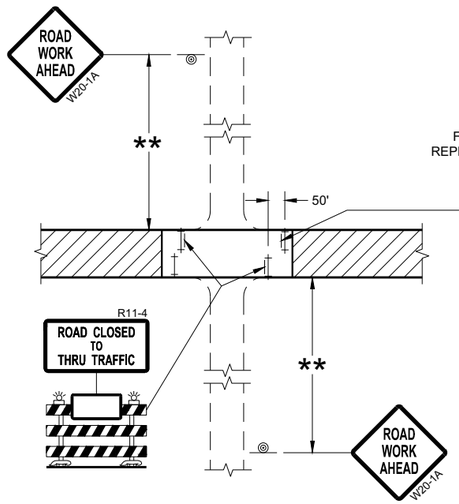
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

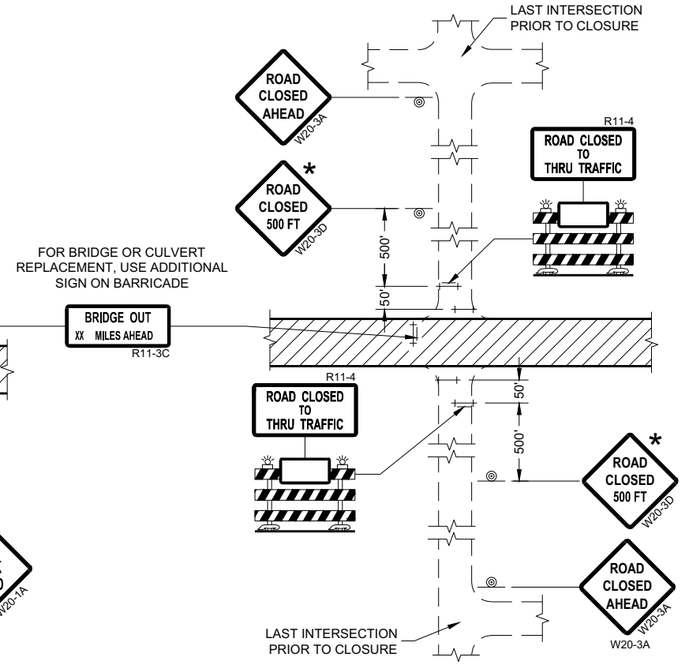
THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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.





DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

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 ENGINEE

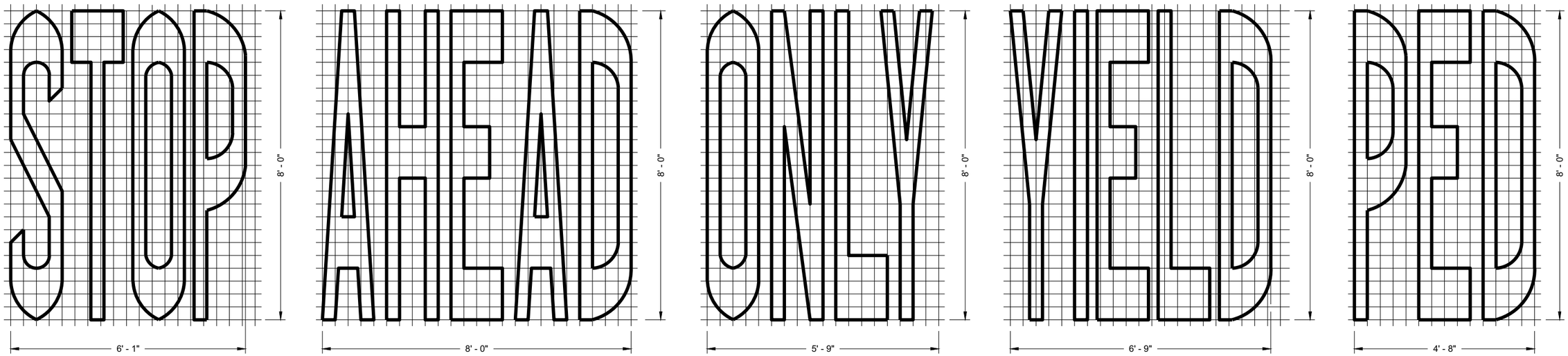
FHWA

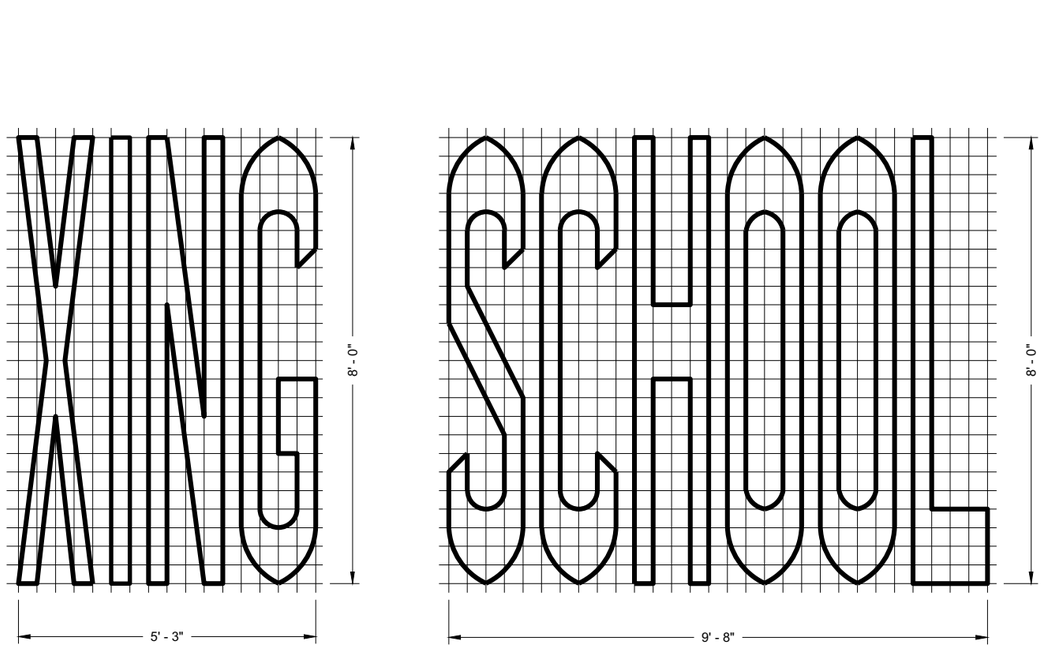
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SDD 15C03 - 05

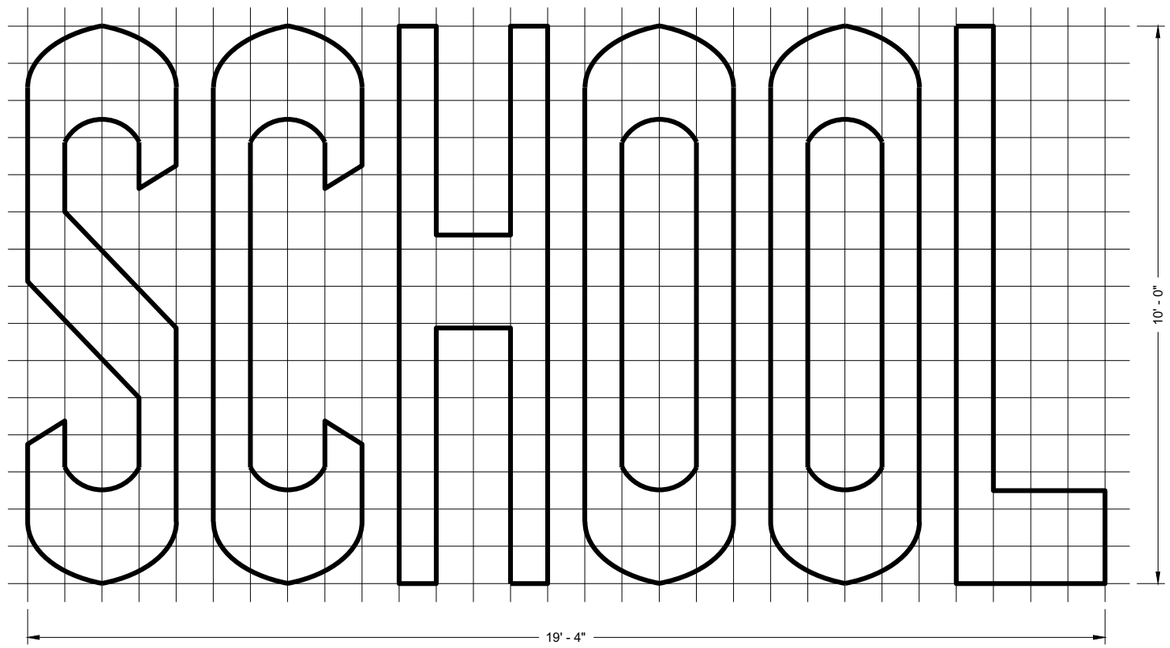
6

SDD 15C03 - 05





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

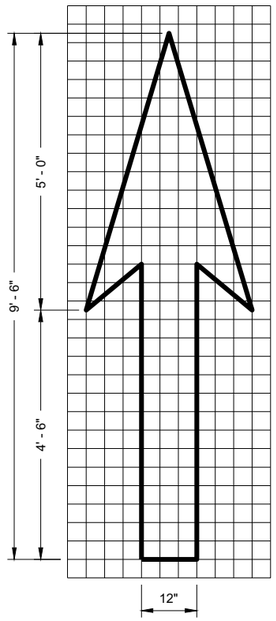
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

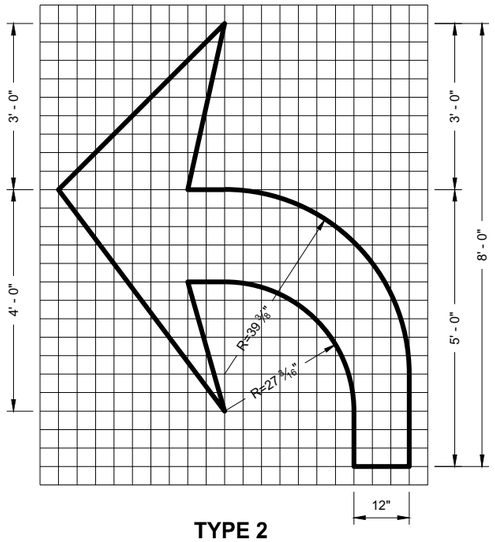
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SDD 15C07 - 15b

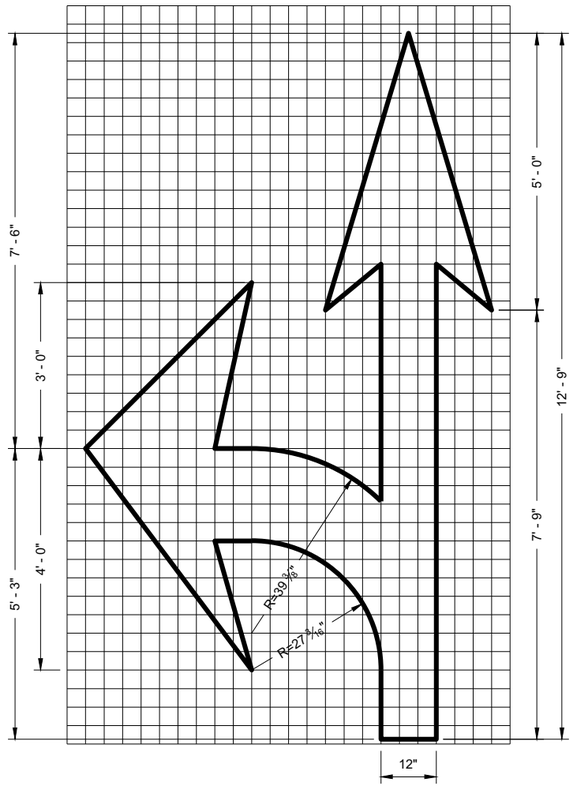
SDD 15C07 - 15b



TYPE 1



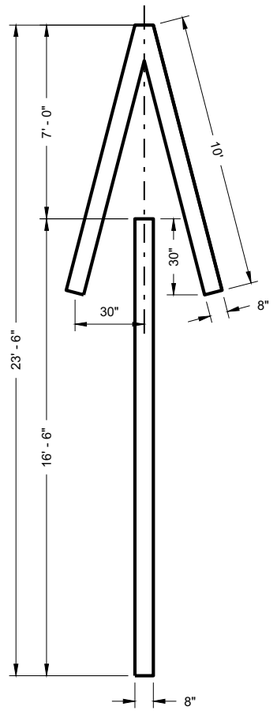
TYPE 2



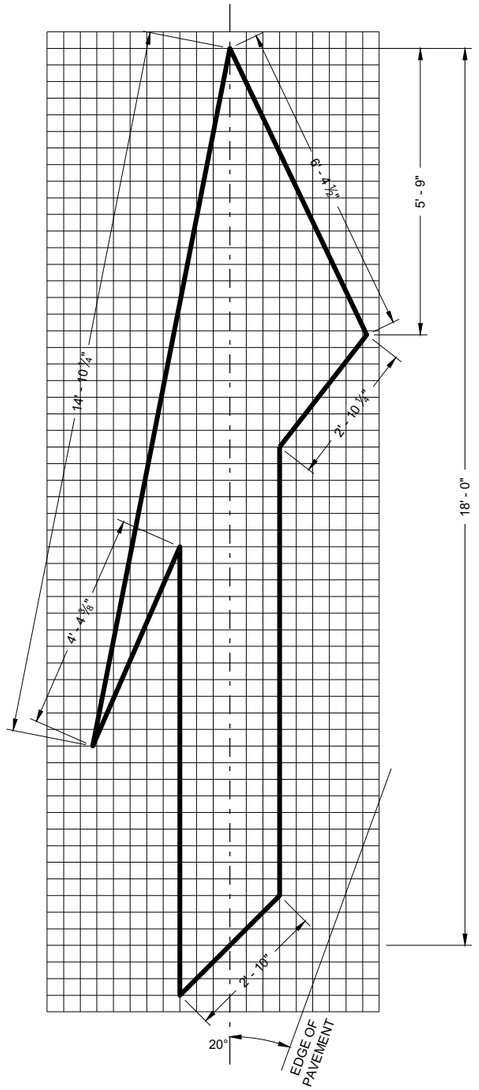
TYPE 3

GENERAL NOTES

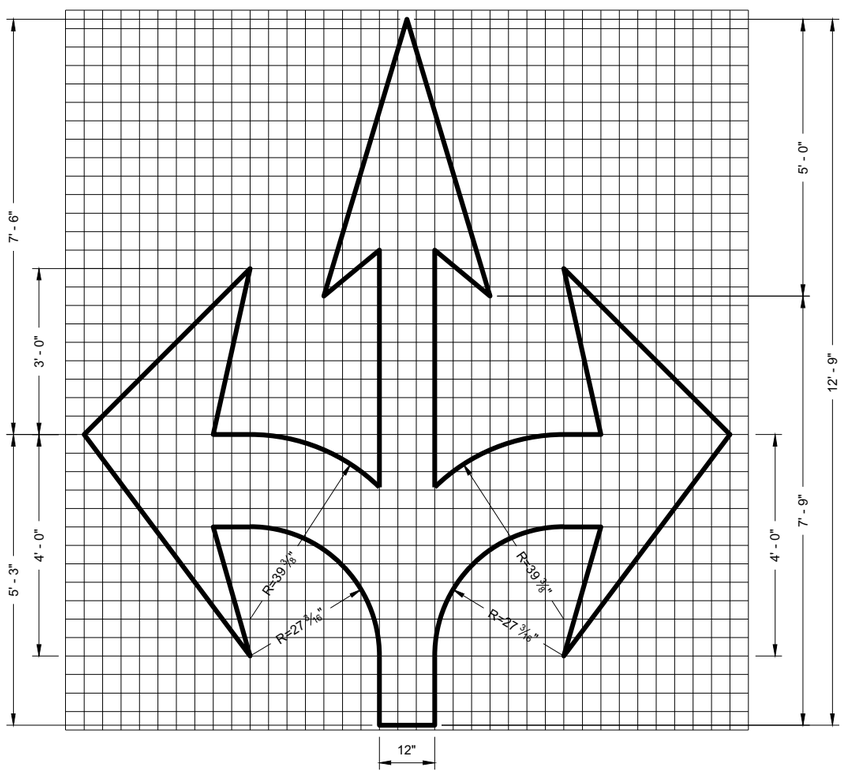
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



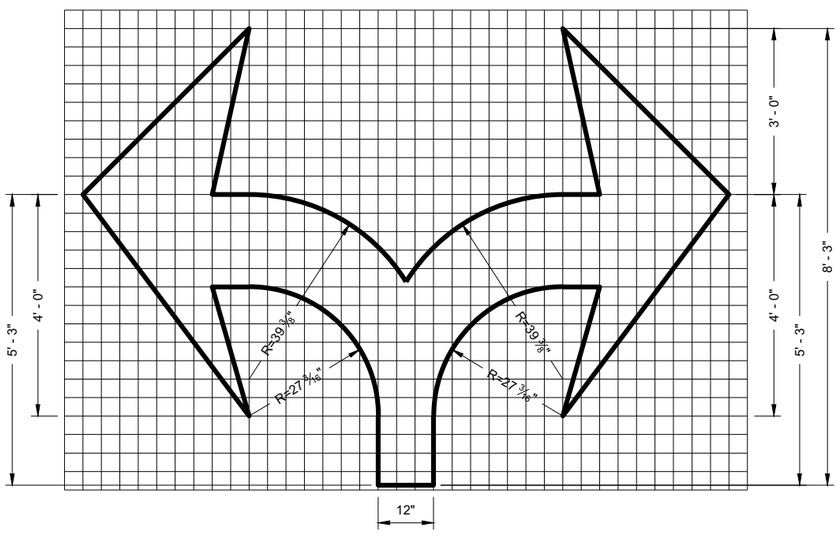
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C07 - 15c

6

SDD 15C07 - 15c

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

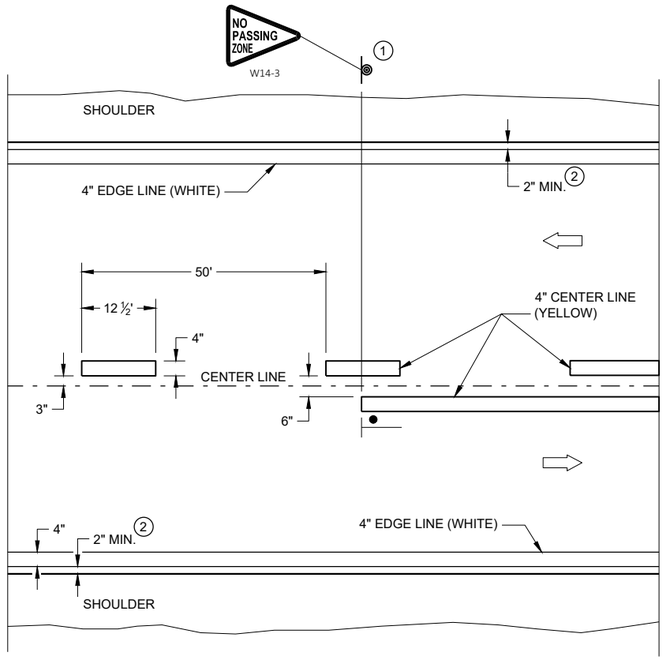
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

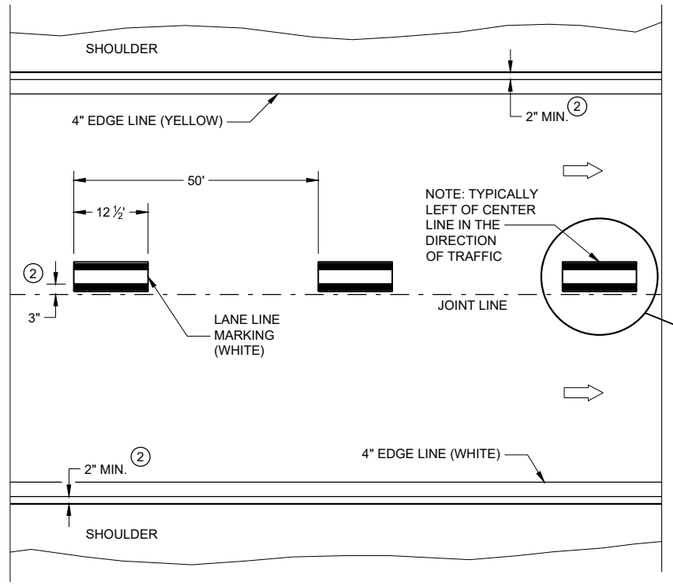
"T" MARKING

SIGN ON PERMANENT SUPPORT

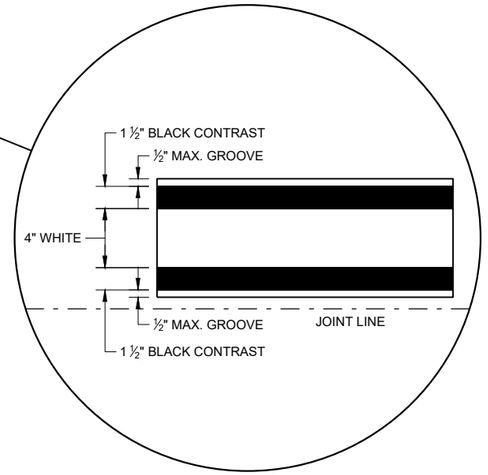
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

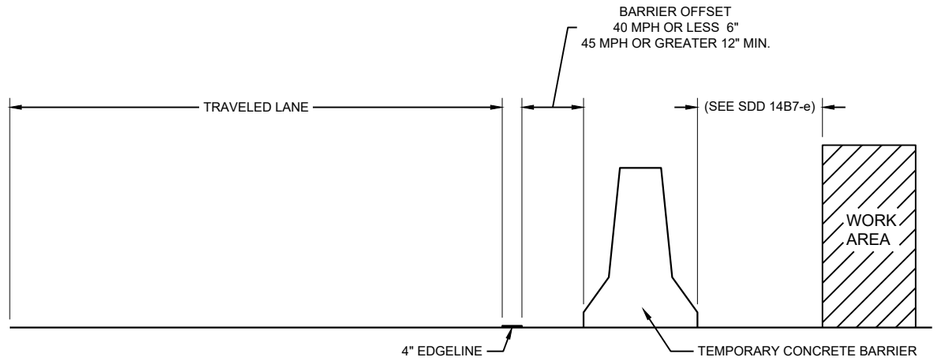
FHWA

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SDD 15C08 - 22a

6

SDD 15C08 - 22a



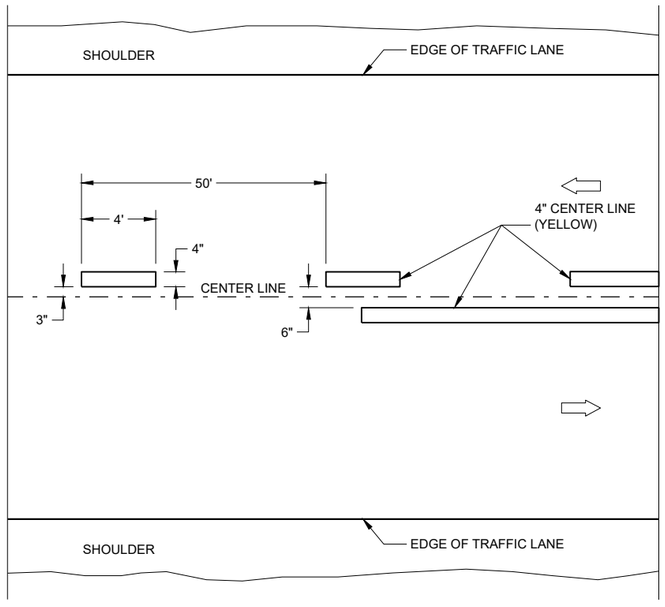
TEMPORARY BARRIER OFFSET FROM EDGELINE

GENERAL NOTES

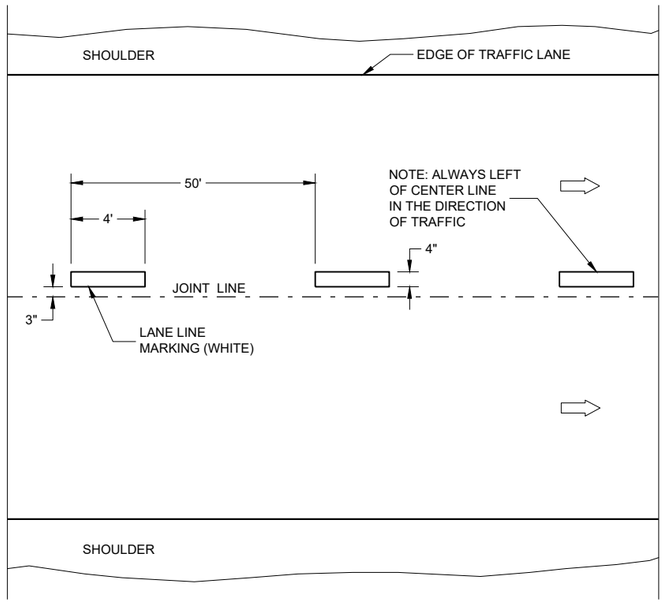
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

LEGEND

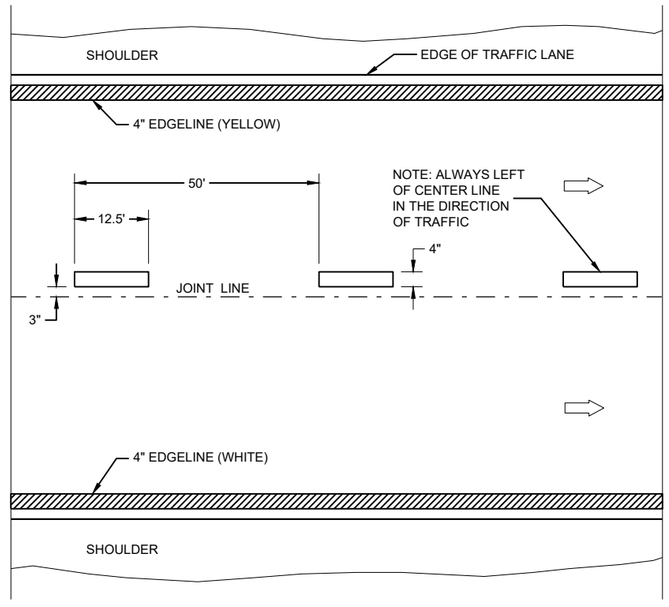
DIRECTION OF TRAFFIC



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

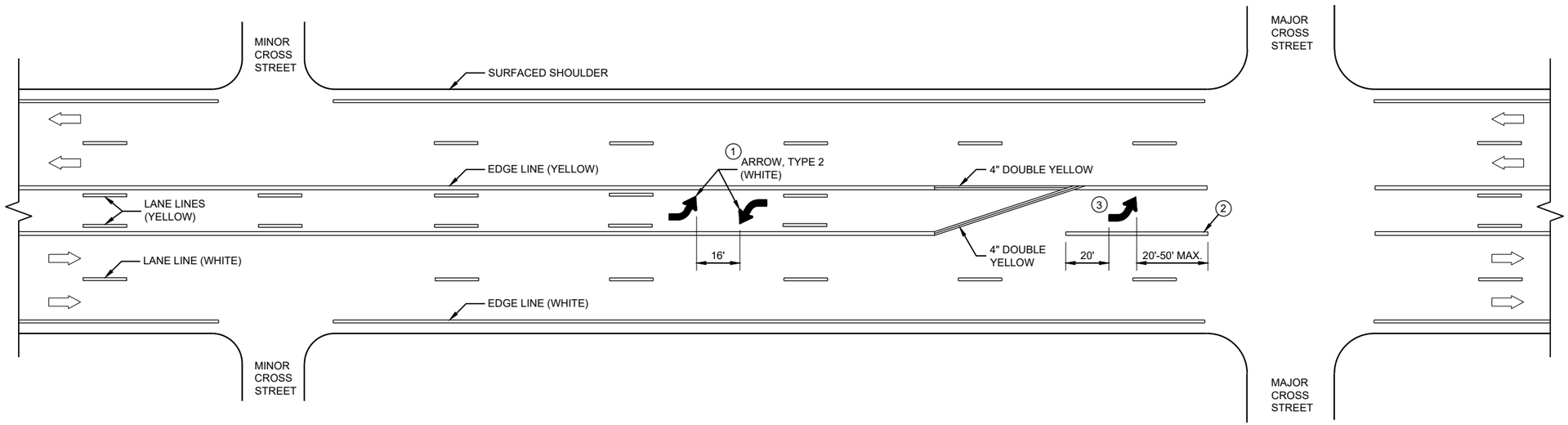
6

SDD 15C08 - 22b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

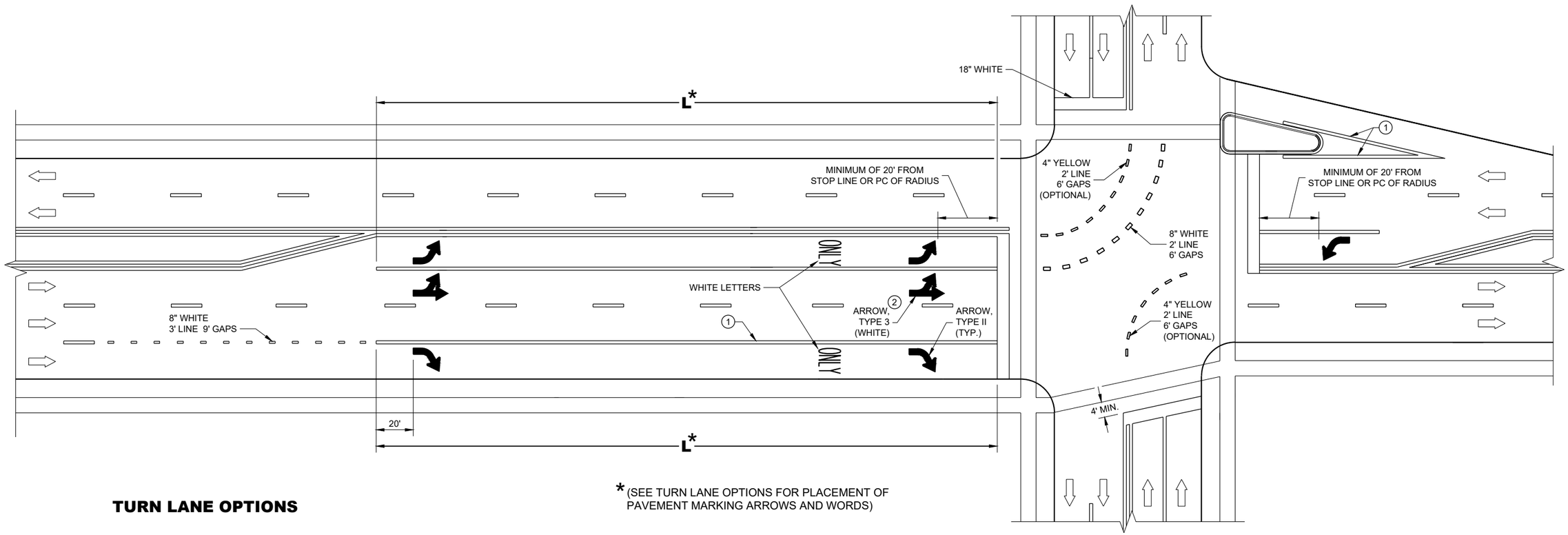
SDD 15C08 - 22c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

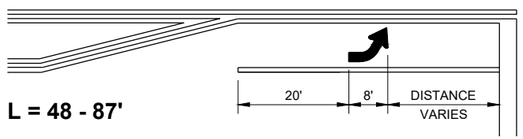
SDD 15C08 - 22c



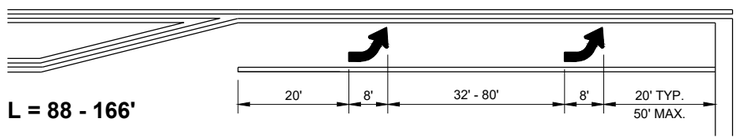
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

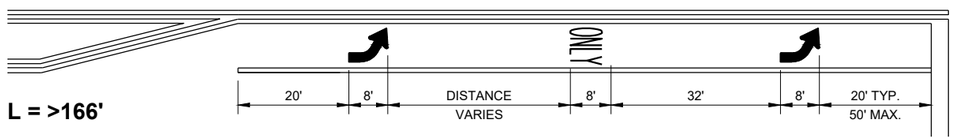
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

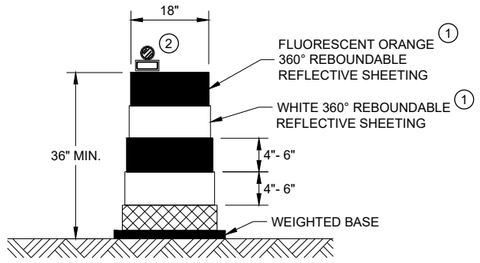
SDD 15C08 - 22d

6

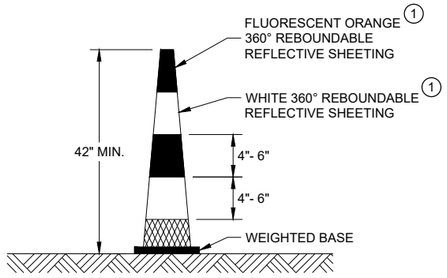
SDD 15C08 - 22d

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.

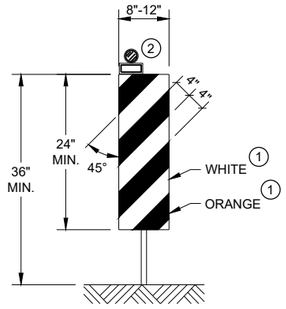


DRUM



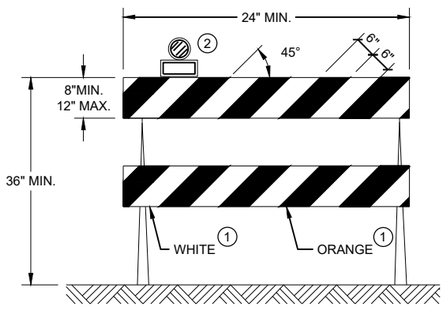
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



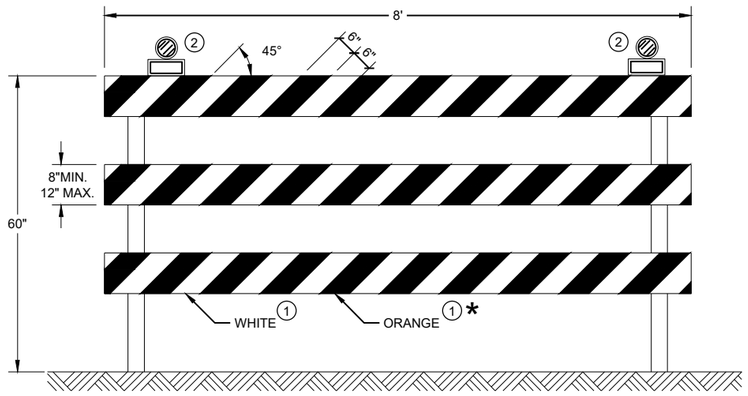
VERTICAL PANEL

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
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD15C11 - 09b

6

SDD15C11 - 09b

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.

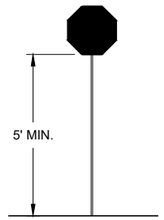
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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

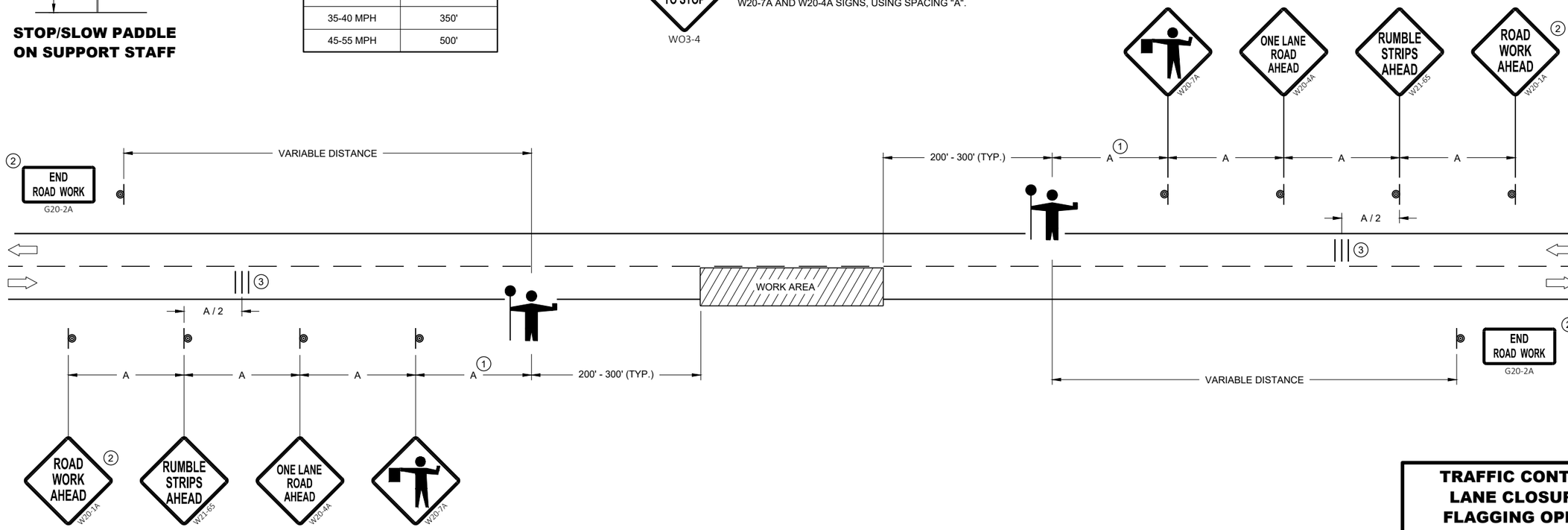
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

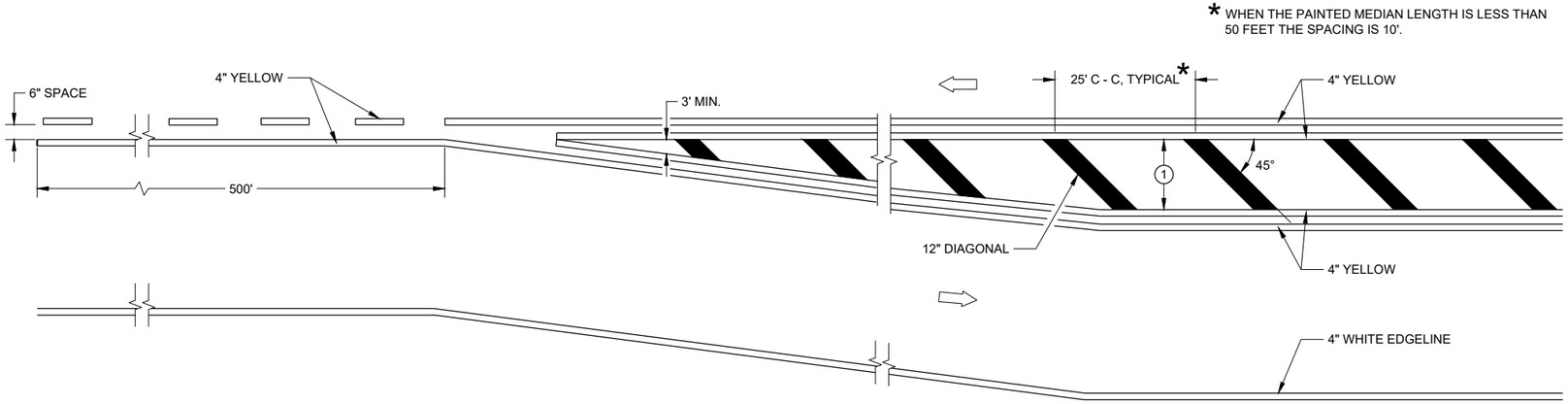
APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

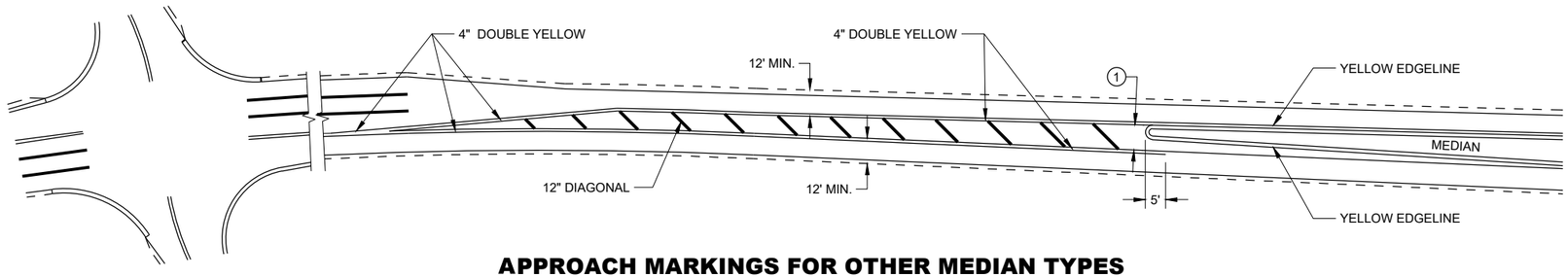
FHWA

SDD 15C12 - 09a

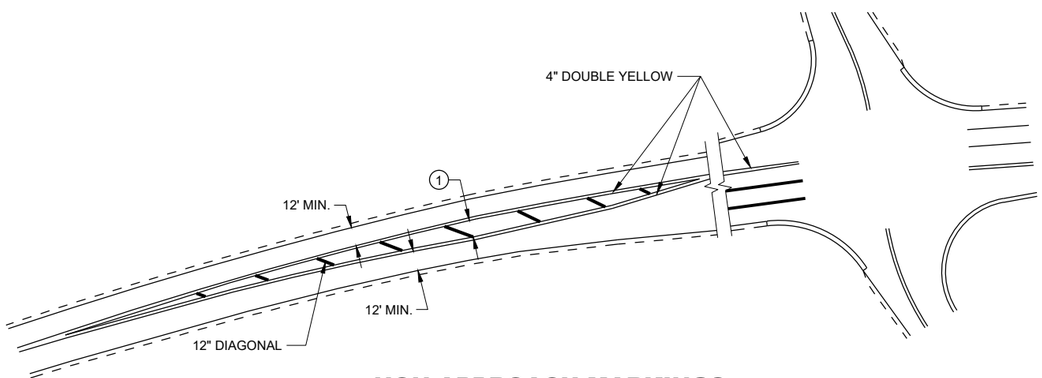
SDD 15C12 - 09a



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

GENERAL NOTES

1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

⇨ DIRECTION OF TRAVEL

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022
DATE

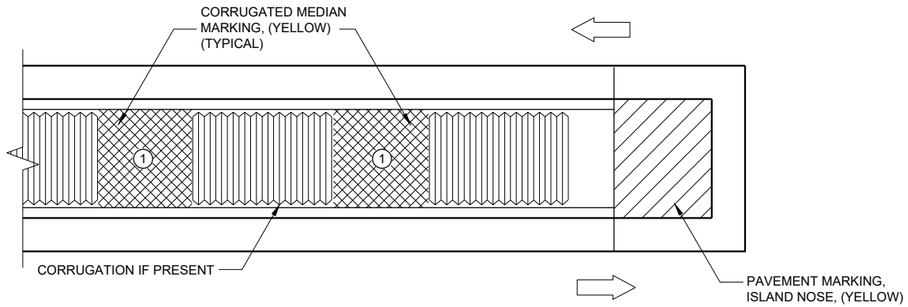
/S/ Jeannie Silver
STATE SIGNING AND MAF ENGINEER

FHWA

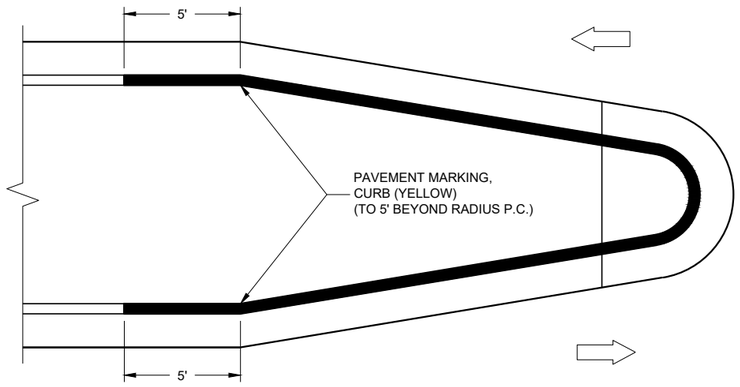
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SDD 15C18 - 06a

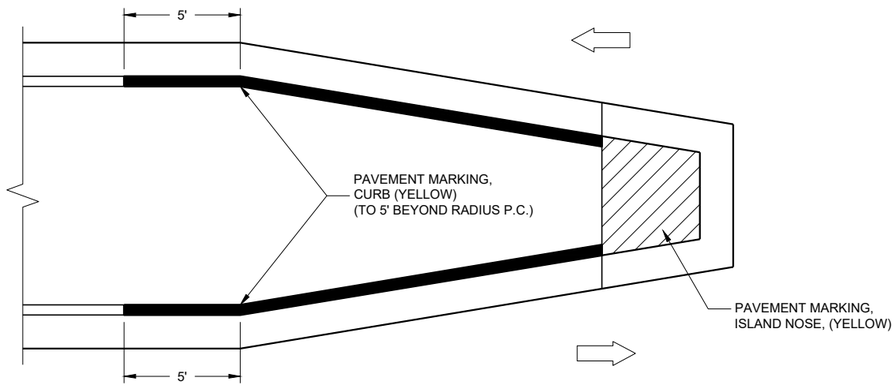
SDD 15C18 - 06a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

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SDD 15C18 - 06b

SDD15C18 - 06b

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

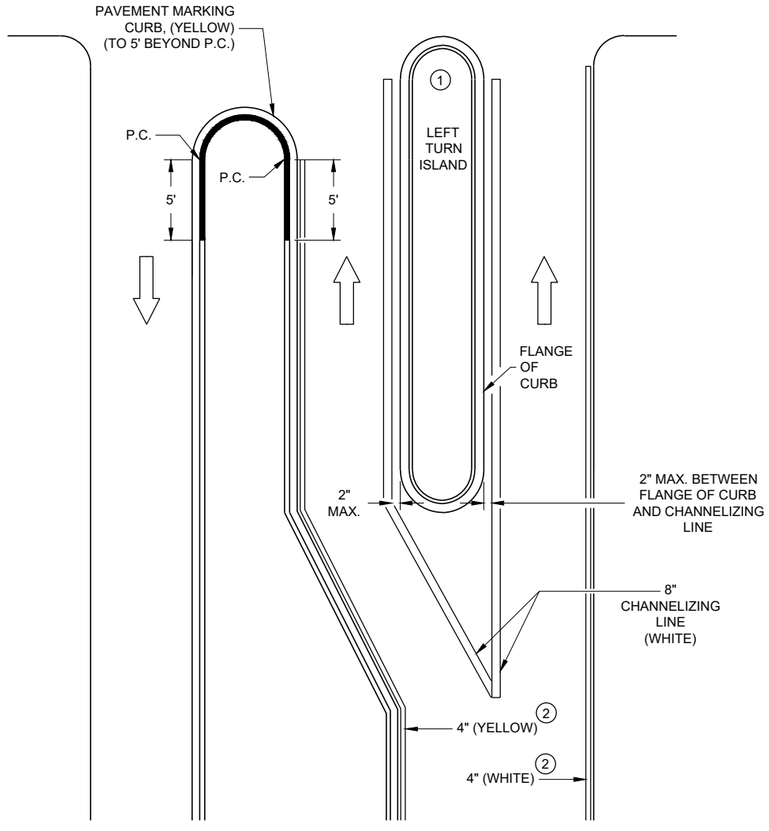
APPROVED

May 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAR ENGINEER

FHWA

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

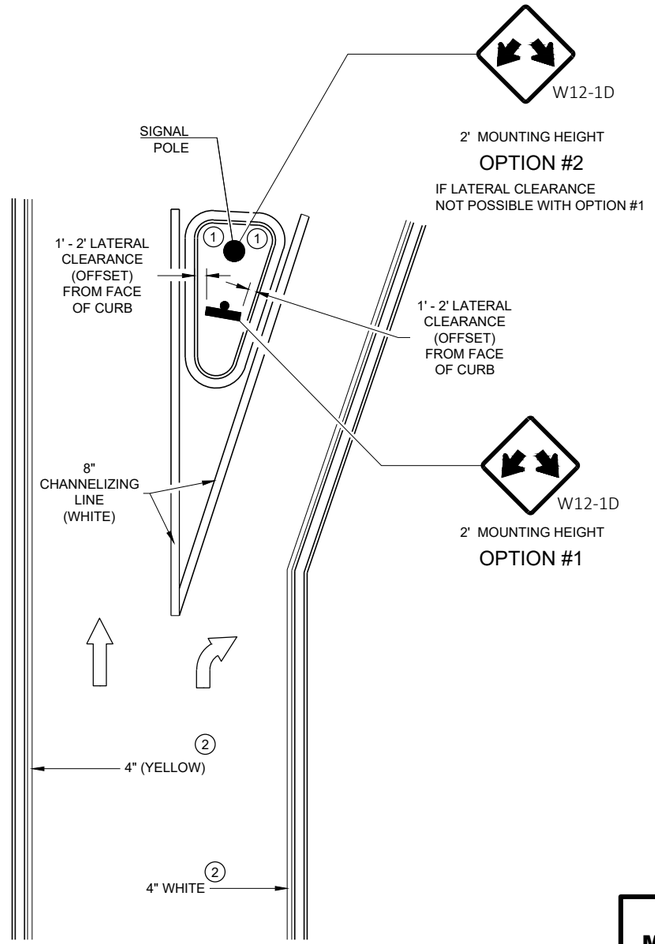
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022 — DATE

/S/ Jeannie Silver — STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C18 - 06c

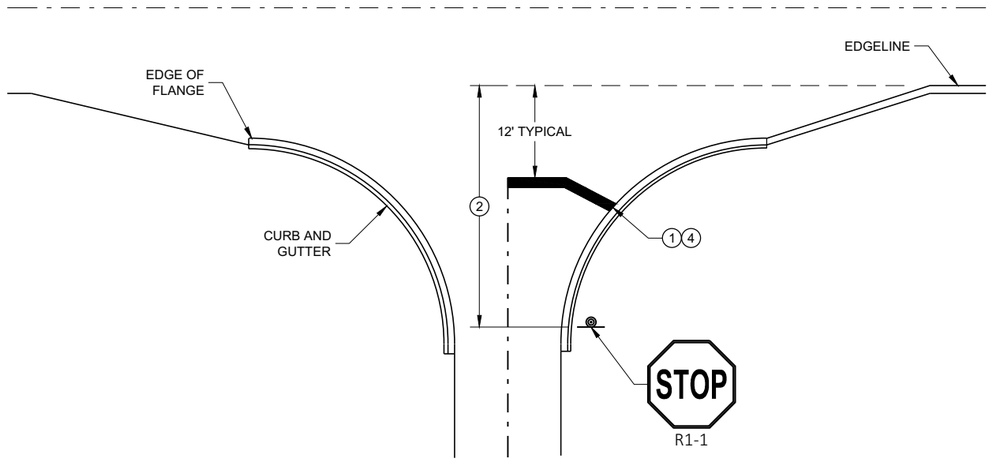
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SDD15C18 - 06c

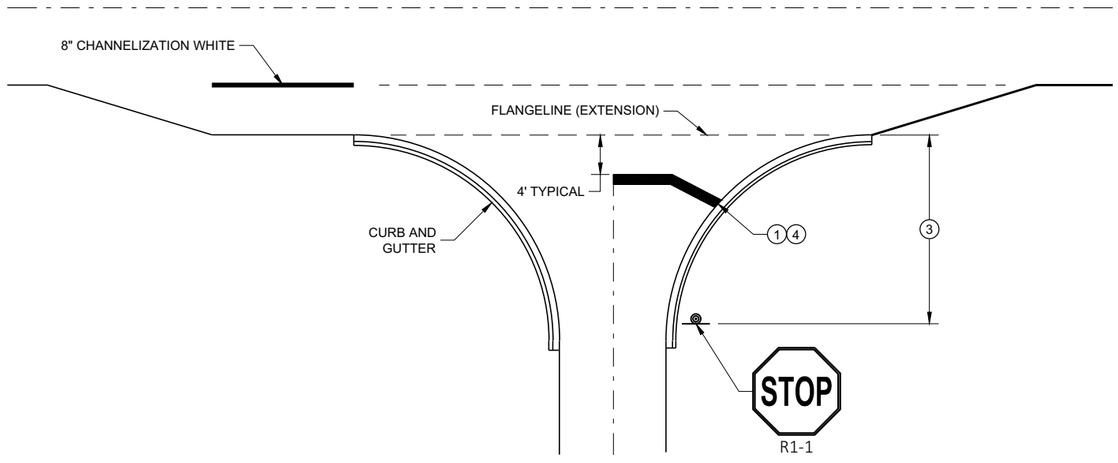
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

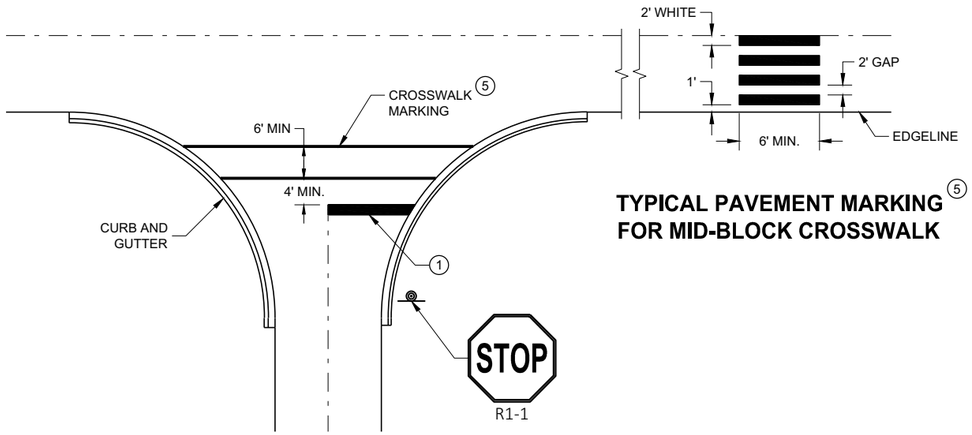
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

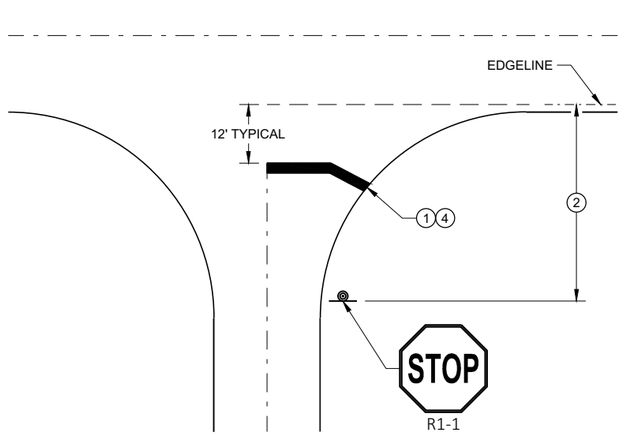


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

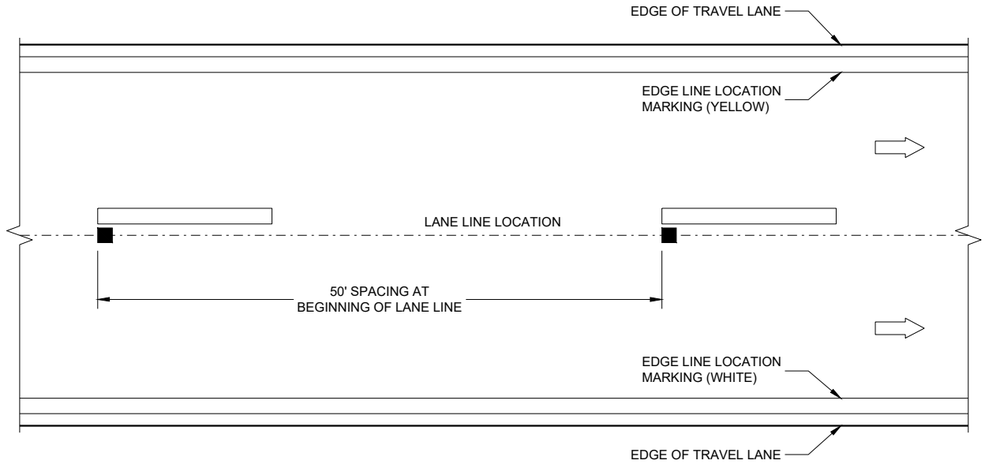
FHWA

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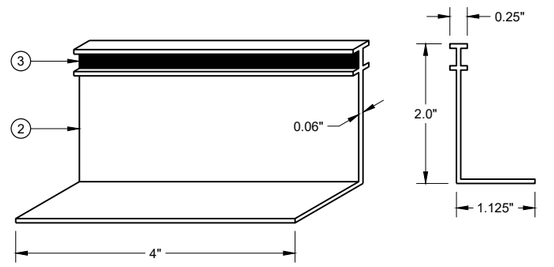
SDD 15C33 - 04

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SDD 15C33 - 04



LONGITUDINAL PLACEMENT 4 - INCH LANE LINE



ISOMETRIC VIEW **SIDE VIEW**

TEMPORARY RAISED PAVEMENT MARKER, TYPE II

GENERAL NOTES

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

COLOR OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II, SHALL MATCH THE COLOR OF THE MARKING THEY SUPPLEMENT.

PLACEMENT OF TEMPORARY RAISED PAVEMENT MARKERS ON EDGE LINES IS OPTIONAL. IF PLACED ON EDGE LINES, MAXIMUM SPACING SHALL BE 50 FEET.

PROVIDE SINGLE OR MULTI-COVER TEMPORARY RAISED PAVEMENT MARKERS AS SHOWN ON PLAN.

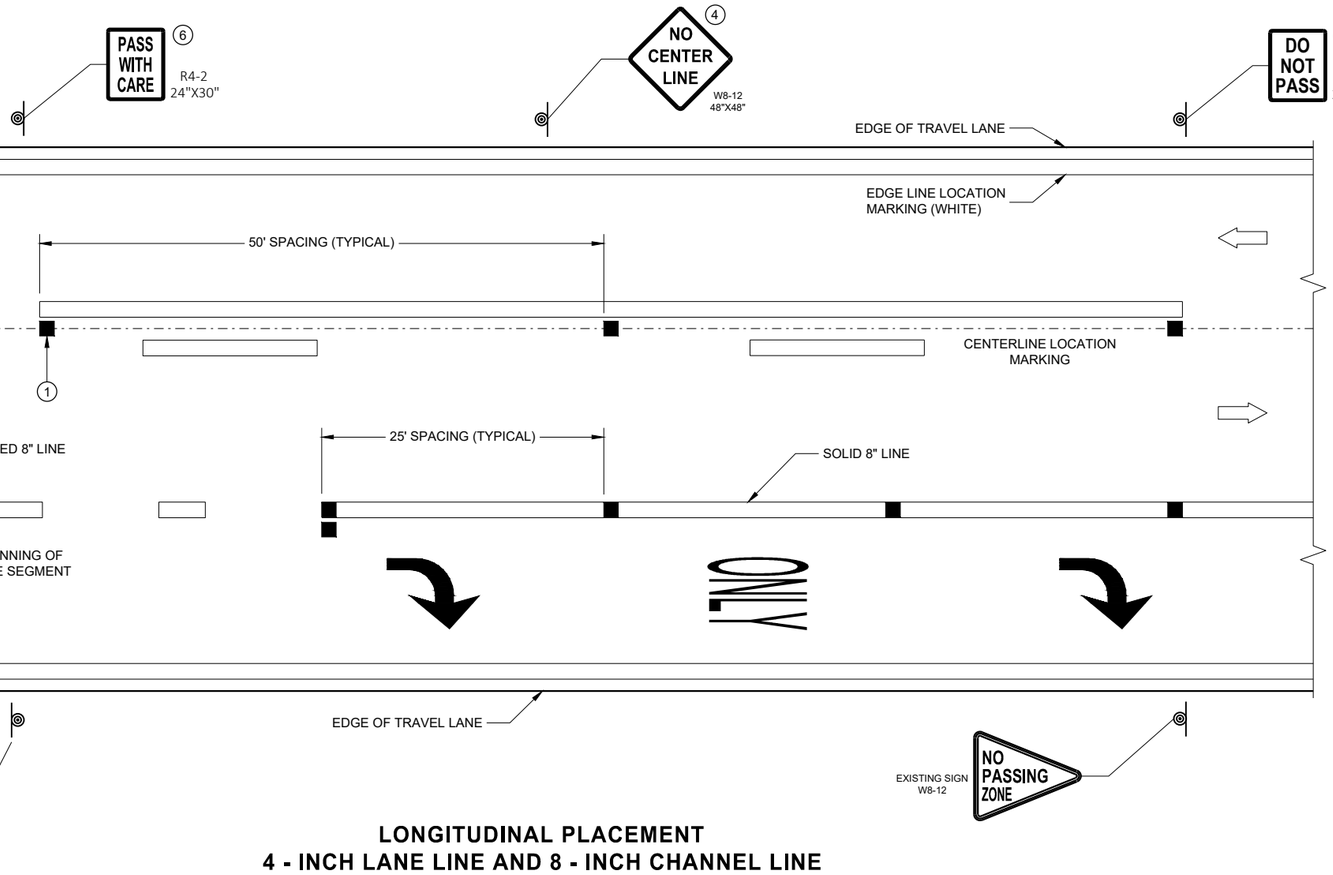
MARK "T"s ON PAVEMENT FOR REESTABLISHING NO PASSING ZONES.

SAME DAY TEMPORARY PAVEMENT MARKING MAY BE USED IN LIEU OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF TEMPORARY SAME DAY PAVEMENT MARKING IS USED, ENSURE PROPOSED PAVEMENT MARKING ARE PLACED IN THE EXACT LOCATIONS AS THE EXISTING MARKINGS, USING A MINIMAL AMOUNT OF TEMPORARY RAISED MARKERS, TYPE II OR OTHER METHODS AS APPROVED BY THE ENGINEER.

IF ROADWAY IS DETOURED DURING CONSTRUCTION, THE "DO NOT PASS, "PASS WITH CARE" AND "NO CENTERLINE" SIGNS MAY BE OMITTED, PROVIDING A LIQUID MARKING IS INSTALLED BEFORE THE ROADWAY IS REOPENED TO TRAFFIC.



LONGITUDINAL PLACEMENT 4 - INCH LANE LINE AND 8 - INCH CHANNEL LINE

1. FOR DOUBLE SOLID YELLOW, PLACE THE MARKERS BETWEEN THE LINES.
2. MARKERS SHALL BE OF POLYURETHANE MATERIAL.
3. MARKERS SHALL HAVE A MINIMUM SIZE REFLECTIVE SURFACE OF 4 INCH WIDTH X 0.25 INCH HEIGHT.
4. "NO CENTER LINE" SIGNS SHALL BE PLACED AT THE BEGINNING OF PROJECT, AT TWO MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS.
5. "DO NOT PASS" SIGNS SHALL BE INSTALLED AT THE BEGINNING OF NO PASSING ZONES. ADDITIONAL "DO NOT PASS" SIGNS SHALL BE INSTALLED AT ONE MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS WITHIN THE NO PASSING ZONE.
6. "PASS WITH CARE" SIGNS SHALL BE PLACED AT THE DOWNSTREAM END OF NO PASSING ZONES.

LEGEND

- TEMPORARY RAISED PAVEMENT MARKER, TYPE II
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC.

STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKERS, TYPE II

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/2017 DATE
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

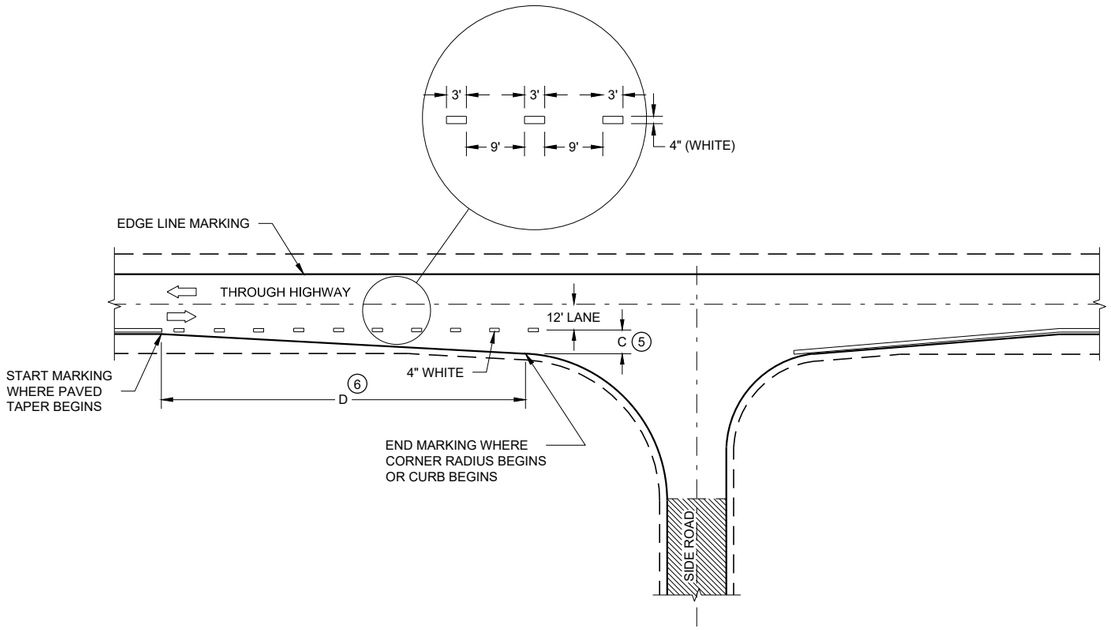
FHWA

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SDD 15C34 - 03

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SDD 15C34 - 03



MINOR INTERSECTION

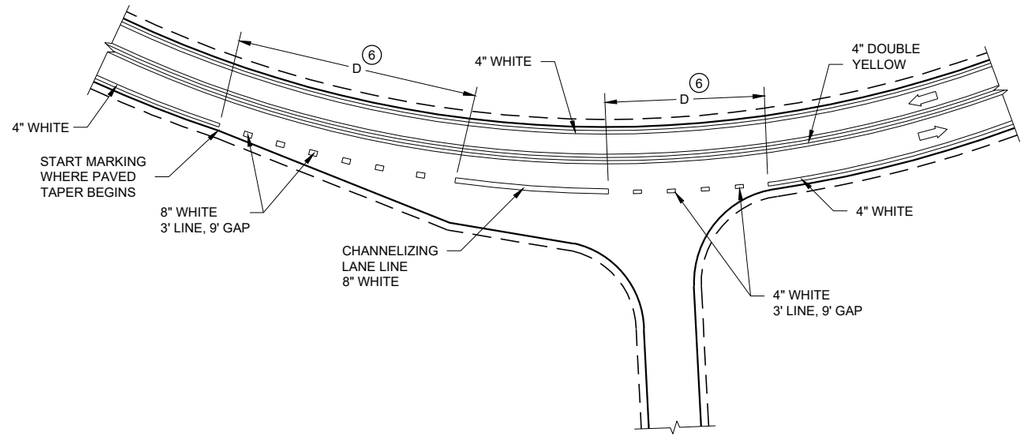
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

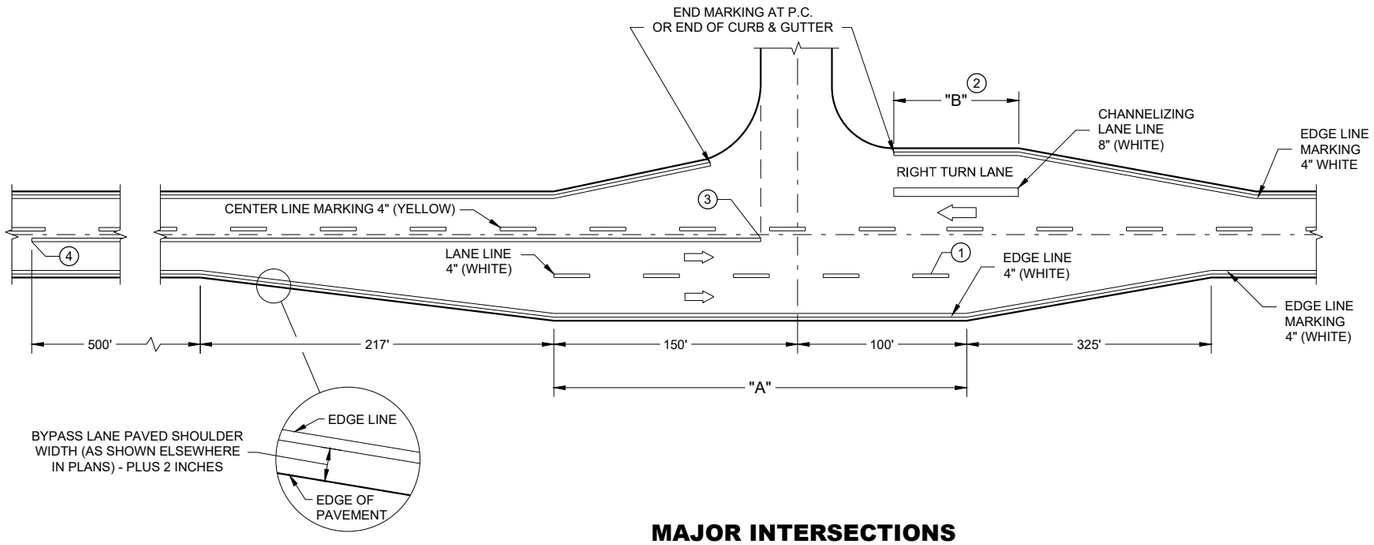
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, 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)

SDD 15C35 - 05a

6

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.

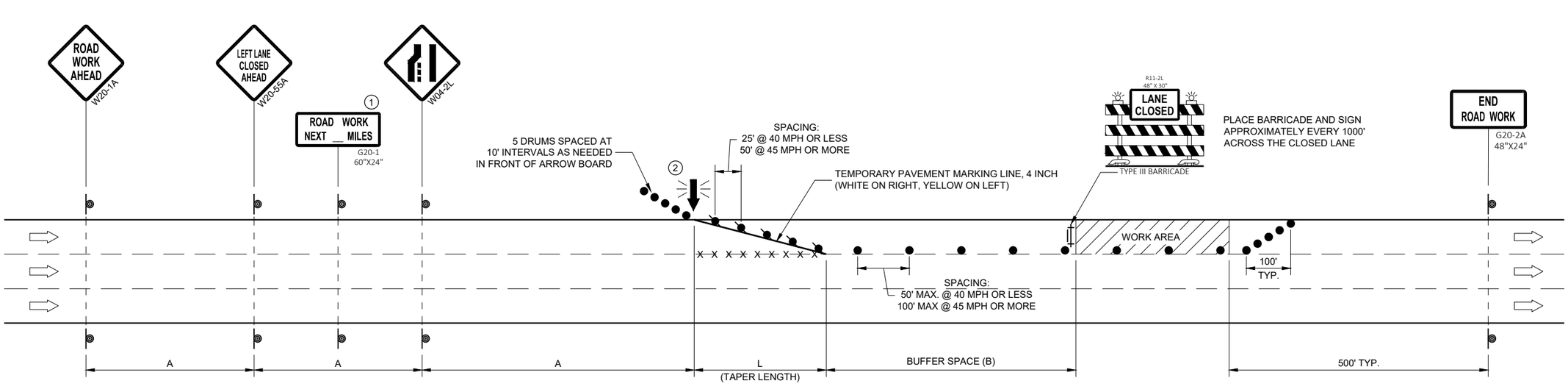
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

SDD15D20 - 06a

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.

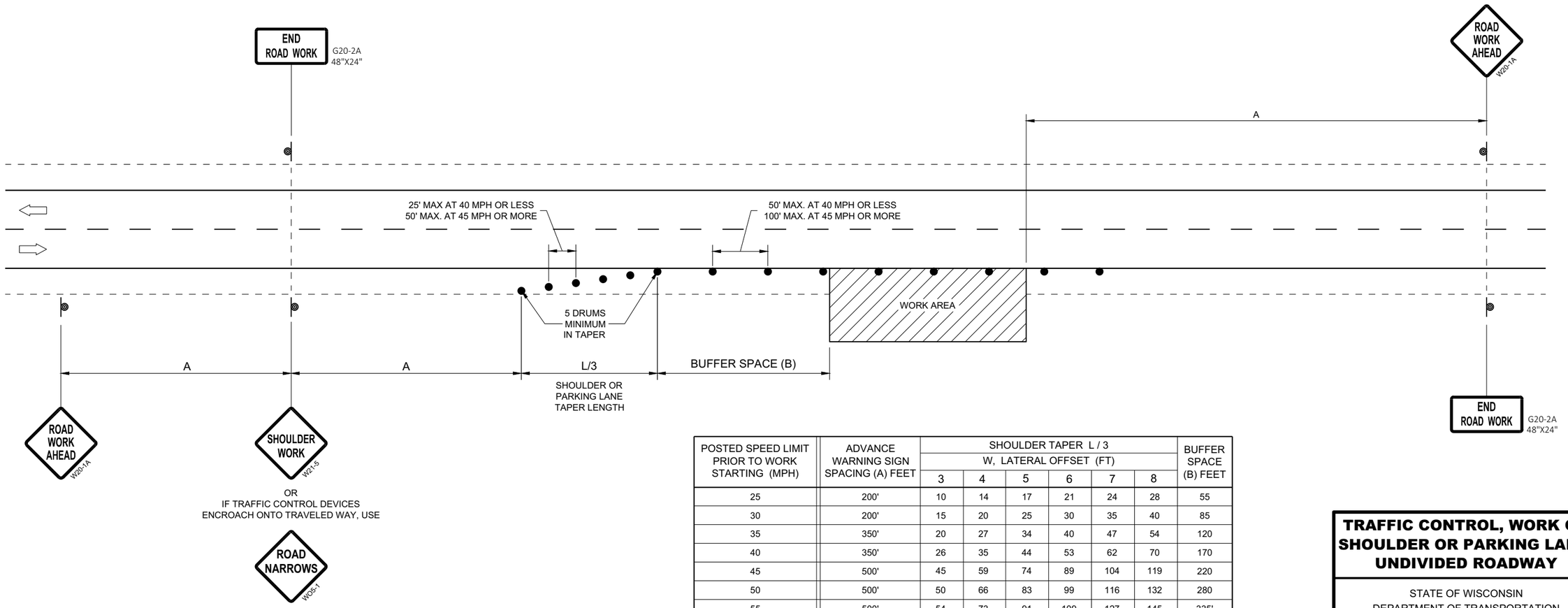
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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SDD 15D28 - 04

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET
0-30	200'
35-40	350'
45-55	500'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

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

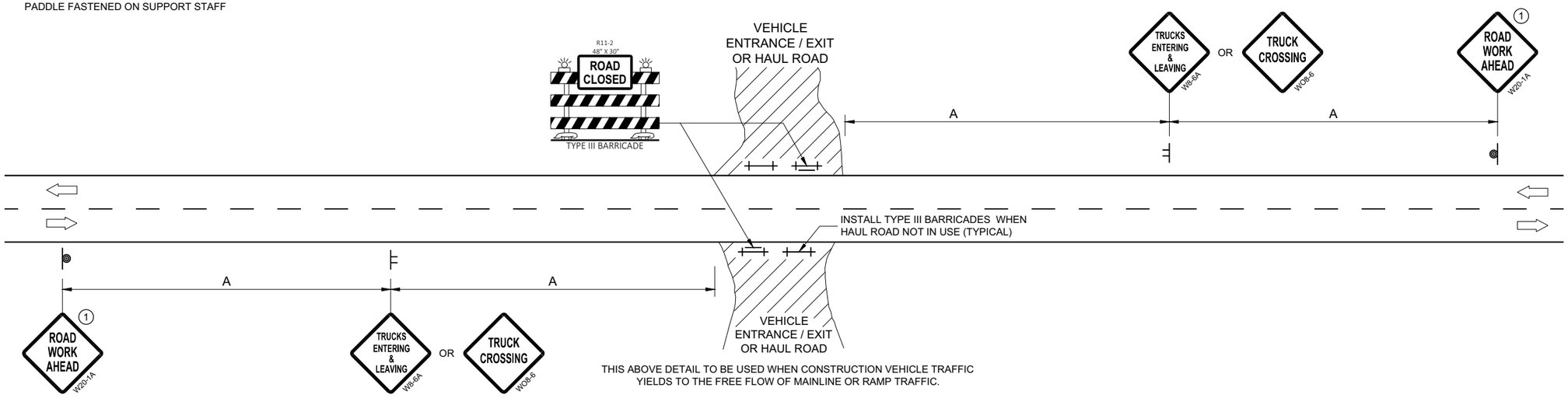
WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

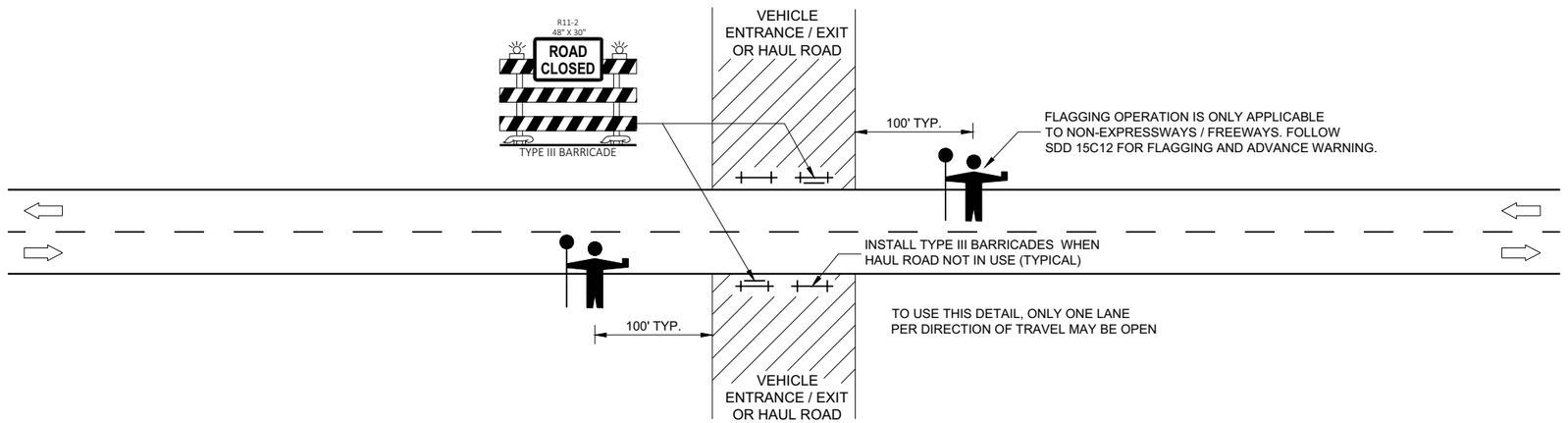
WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

(1) THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE / EXIT CONDITIONS ARE SEPARATED BY MORE THAN TWO MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.



THIS ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC.



TO USE THIS DETAIL, ONLY ONE LANE PER DIRECTION OF TRAVEL MAY BE OPEN

THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

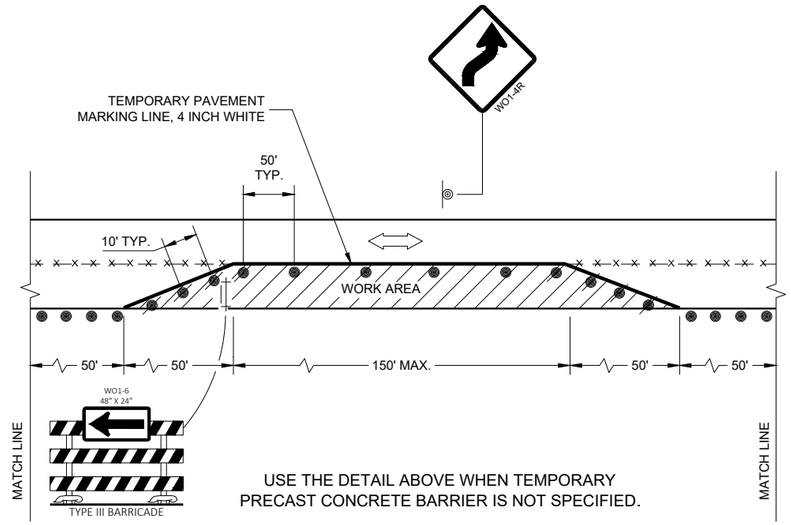
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D29 - 06

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLAGS, 16" X 16" MIN. (ORANGE)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- ASPHALTIC PAVEMENT WIDENING
- CONCRETE BARRIER TEMPORARY PRECAST



USE THE DETAIL ABOVE WHEN TEMPORARY PRECAST CONCRETE BARRIER IS NOT SPECIFIED.

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

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

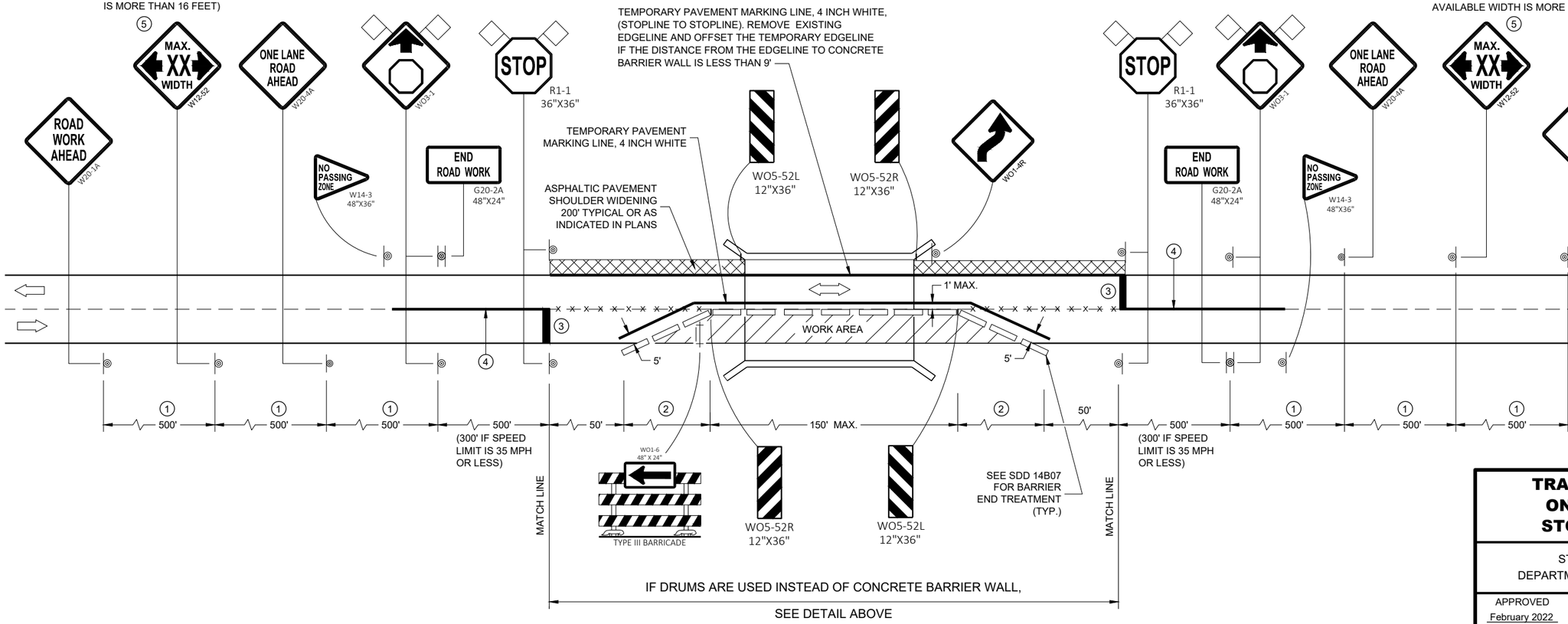
ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"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.

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.

1. 500 FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35 - 40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25 - 30 MPH, USE 200 FOOT TYPICAL SPACING.
2. DIMENSION DETERMINED BY CBTP TAPER FROM EDGE LINE TO TANGENT SECTION OF THE ROAD.
3. TEMPORARY PAVEMENT MARKING LINE, 18 INCH WHITE STOP LINE.
4. 700 FOOT TEMPORARY PAVEMENT MARKING LINE, 4 INCH DOUBLE YELLOW. WHEN THE DISTANCE FOR THE PRECEDING NO - PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES AS INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.
5. SEE SDD 15C02 - SHEET "F" FOR ADVANCED WIDTH RESTRICTION SIGNING.



TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

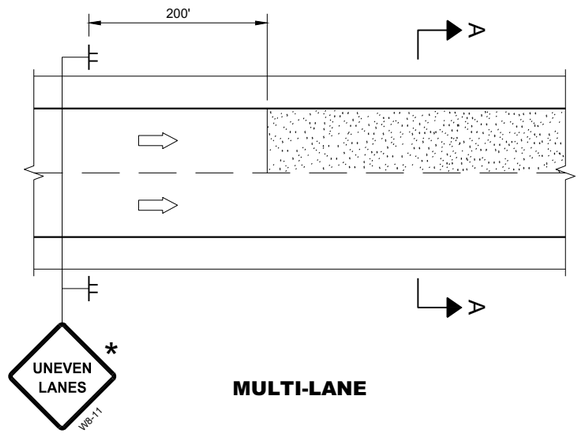
APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

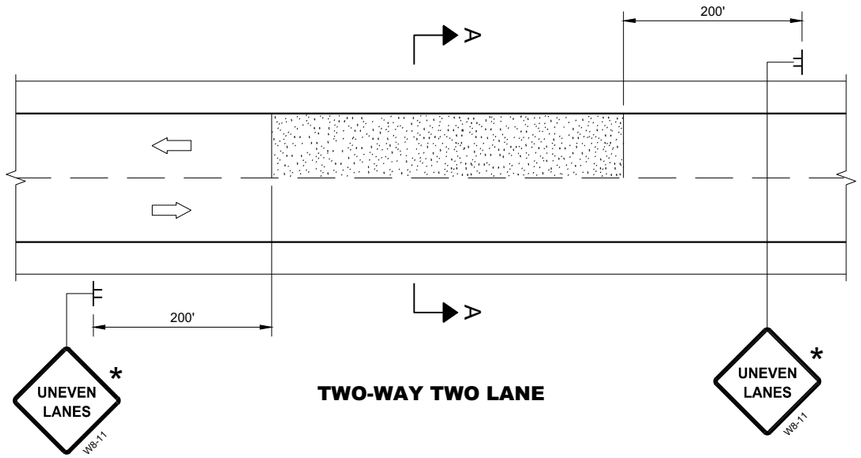
FHWA

SDD 15D32 - 06

SDD 15D32 - 06



MULTI-LANE



TWO-WAY TWO LANE

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

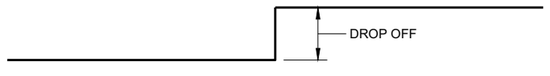
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

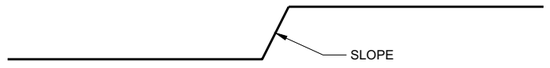
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

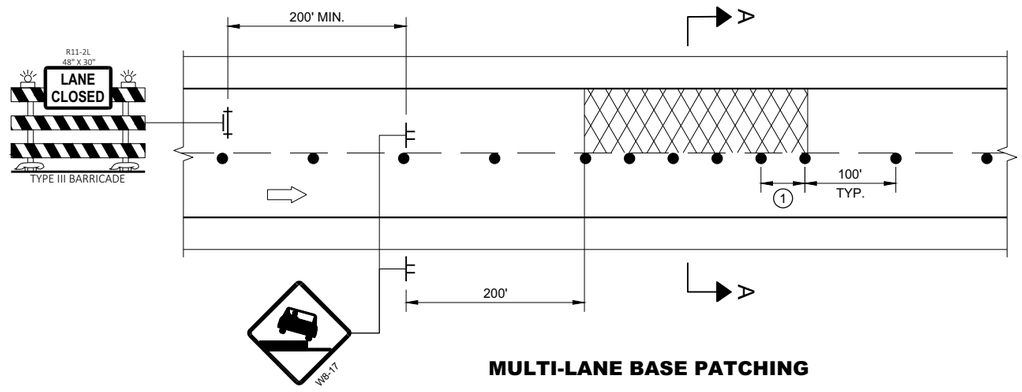


SECTION A - A

OR

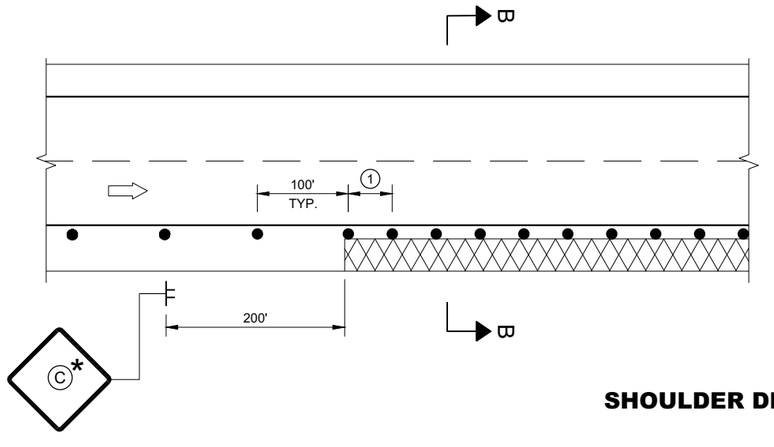


SECTION A - A

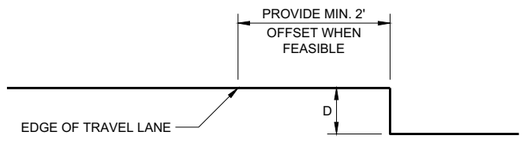


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

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.

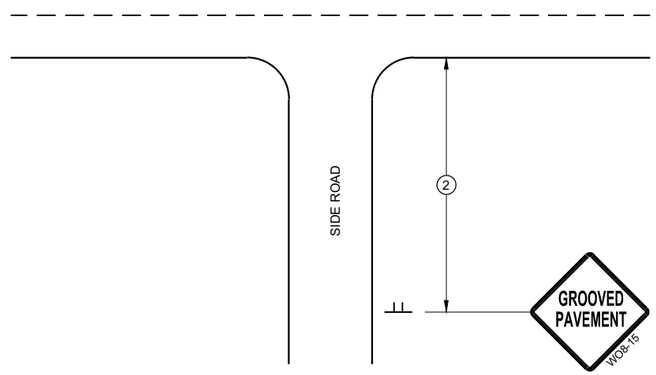
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

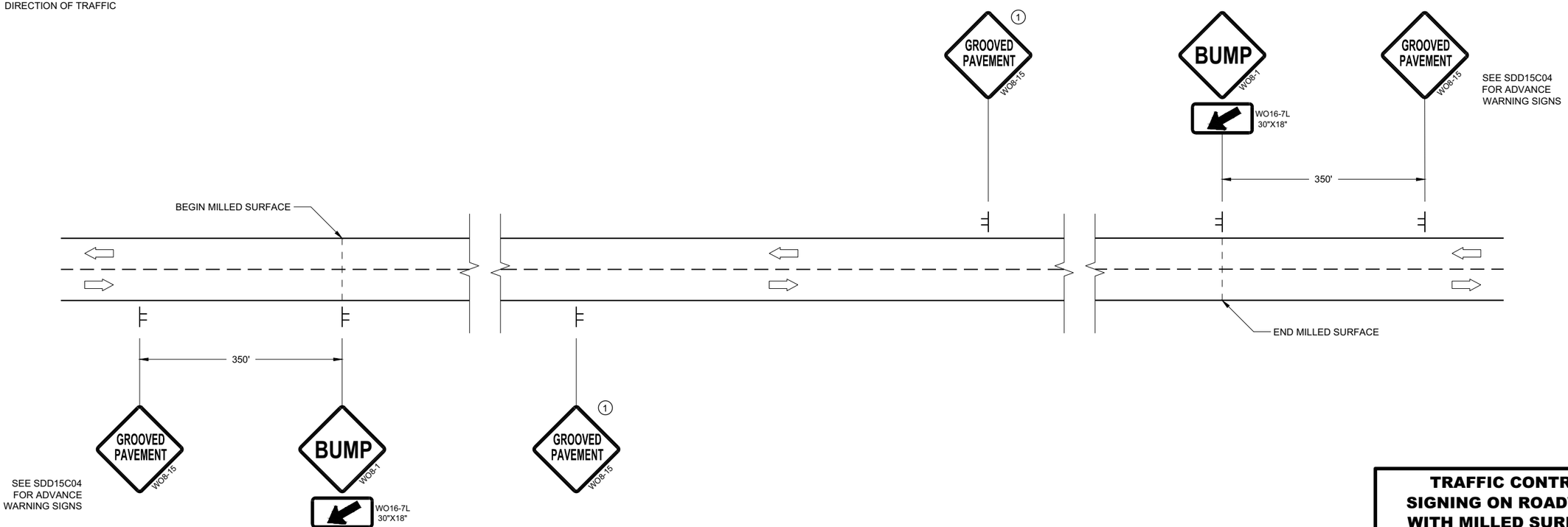
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

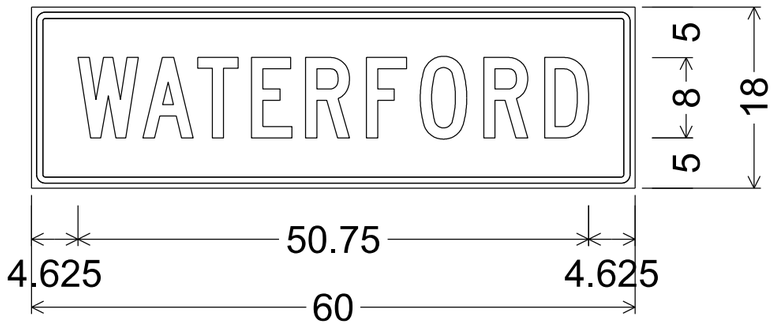
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

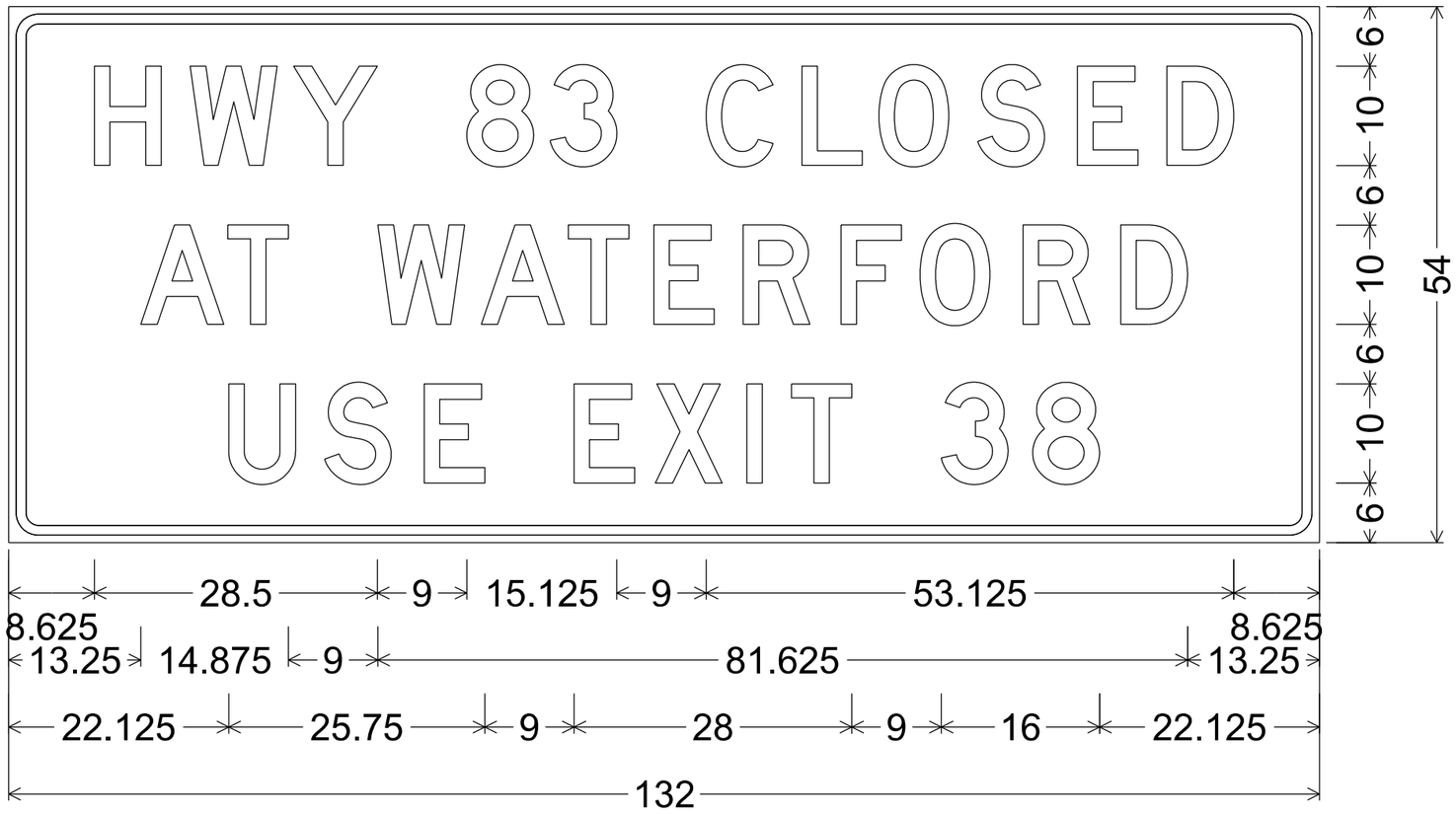
6
SDD 15D44 - 02



1.375" Radius, 0.625" Border, 0.500" Indent
"WATERFORD", C

NOTES

1. Fixed Message Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D or as noted

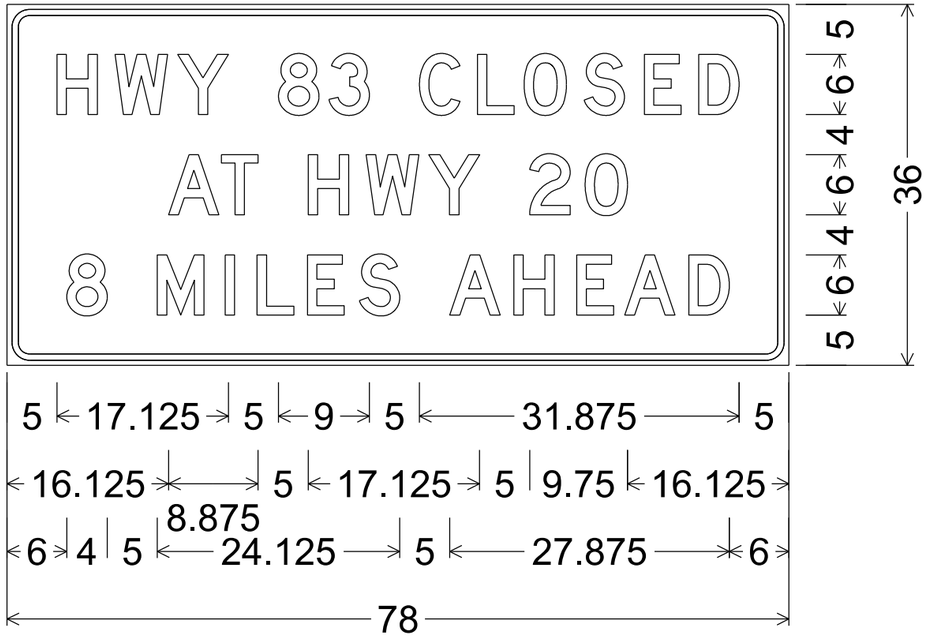


3.000" Radius, 1.000" Border, 0.750" Indent

7

7

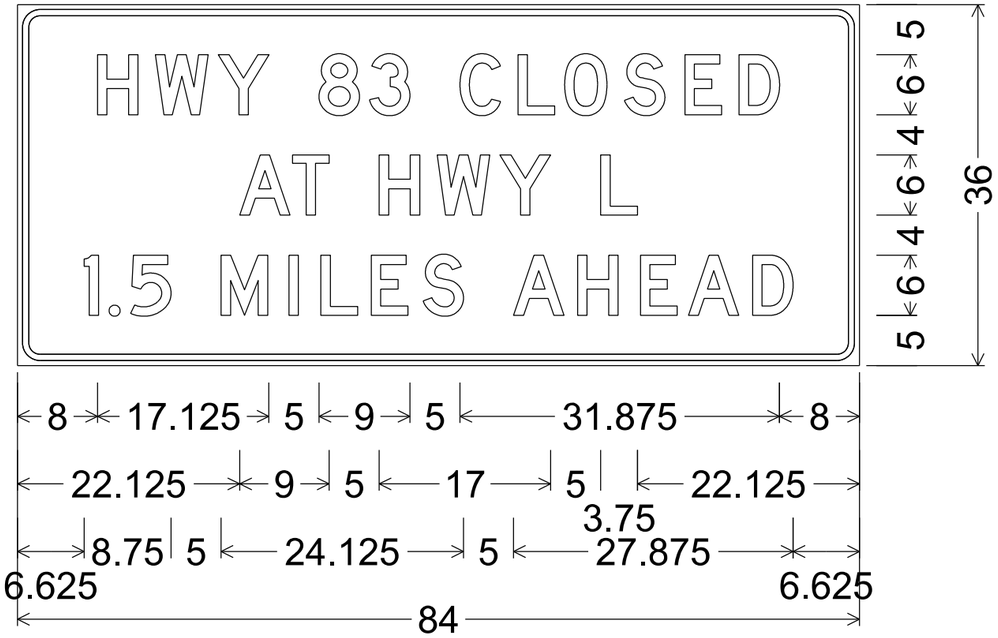
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE	TEMPORARY SIGNING	SHEET NO: 337	E



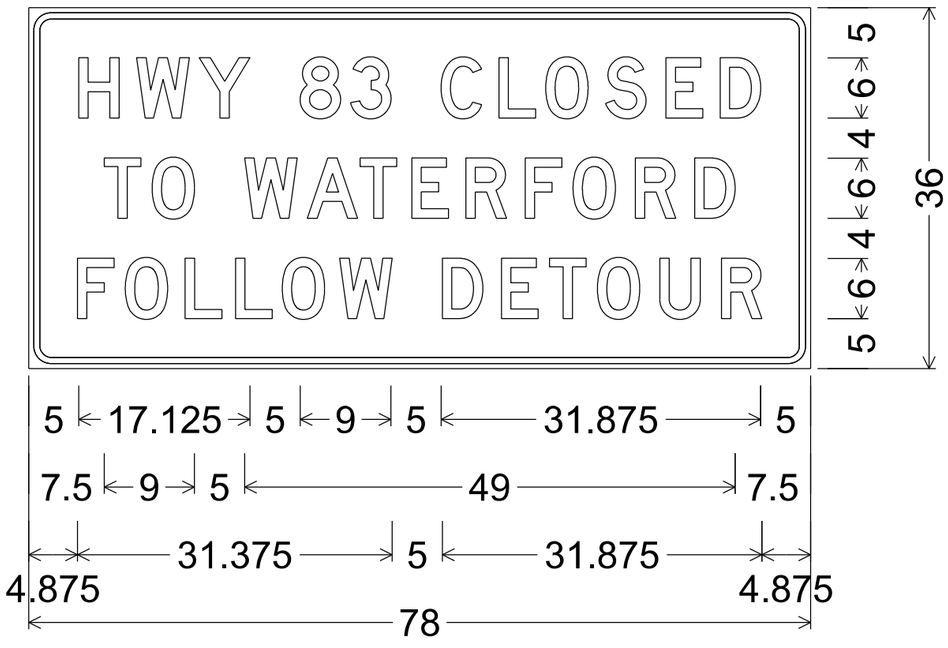
2.250" Radius, 0.625" Border, 0.500" Indent

NOTES

1. Fixed Message Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D

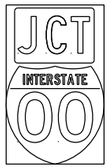


2.250" Radius, 0.625" Border, 0.500" Indent

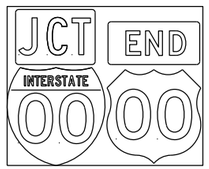


2.250" Radius, 0.625" Border, 0.500" Indent

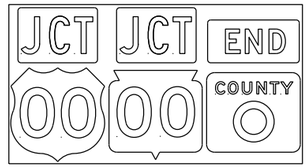
TYPICAL ASSEMBLIES



J1-1



J1-2



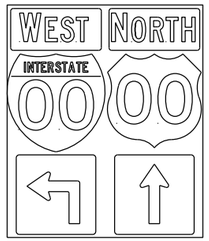
J1-3



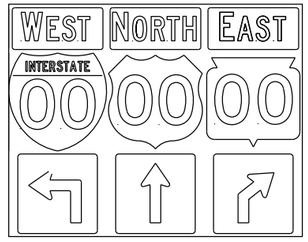
JR1-1



J2-1



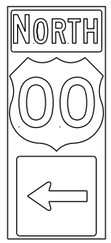
J2-2



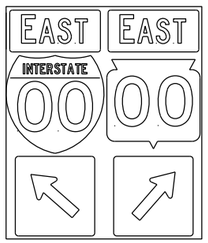
J2-3



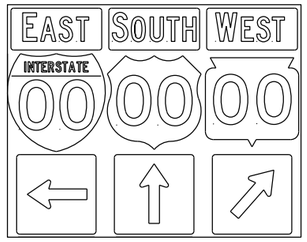
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



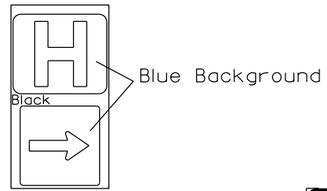
J3-1



J3-2



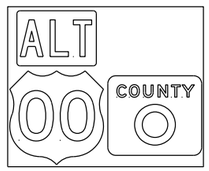
J3-3



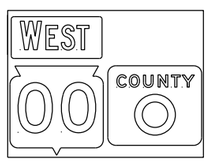
JH-1



J4-1



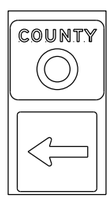
J4-2



J4-2



J12-1



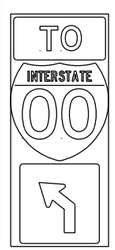
J13-1



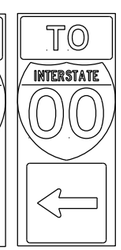
J32-1



J33-1



J22-1



J23-1



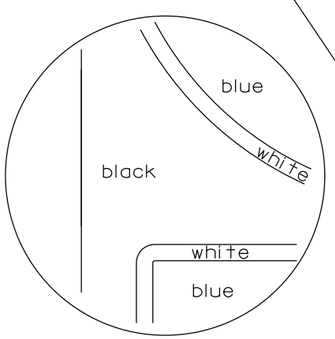
JR13-1

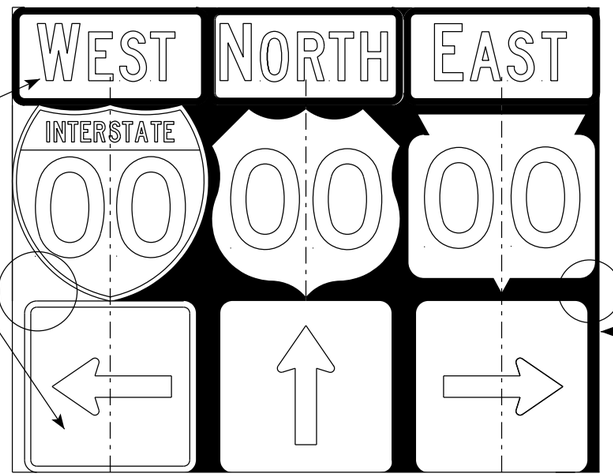


JR23-1



JR99-1





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: 339 E

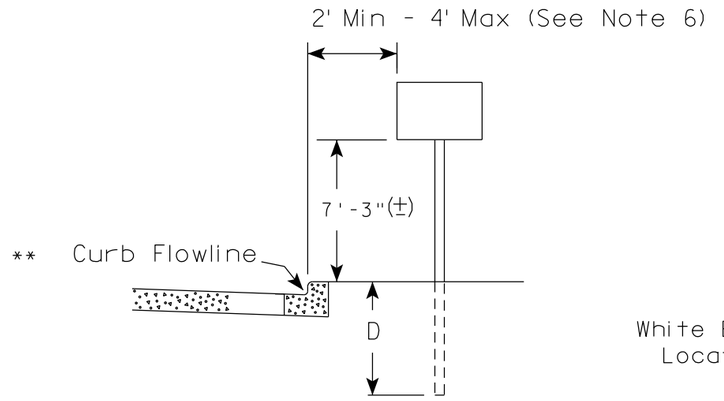
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

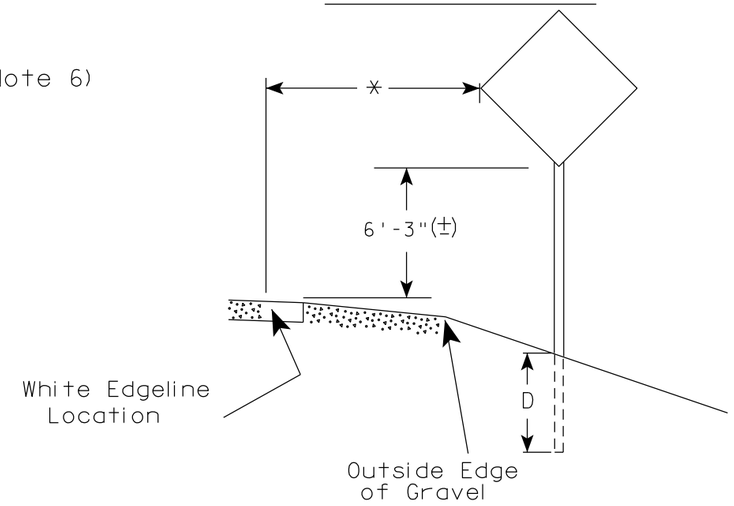
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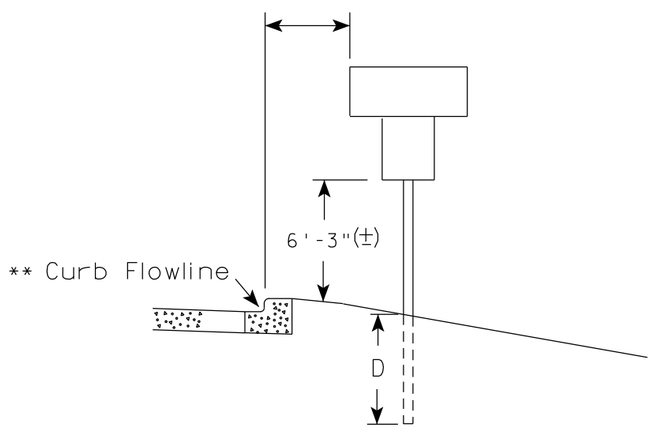
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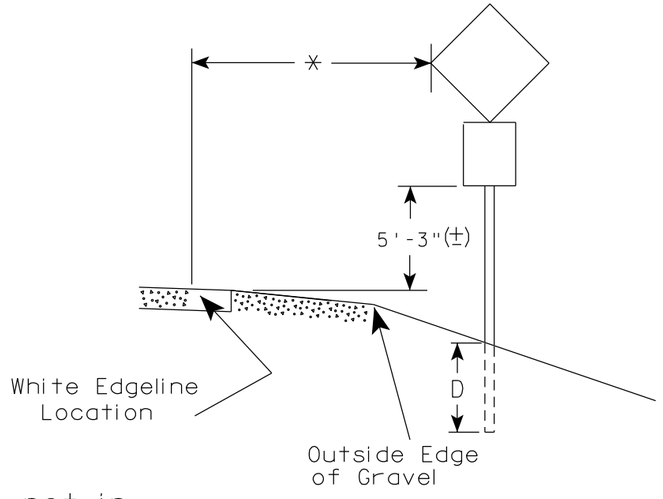
URBAN AREA



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.

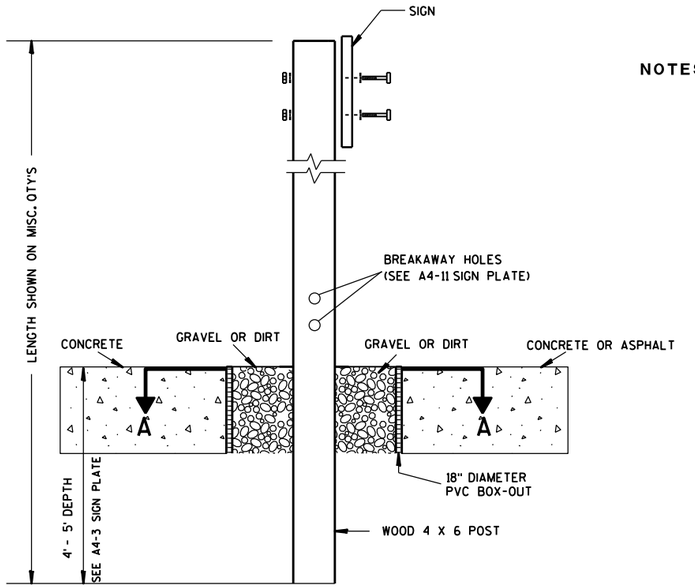
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

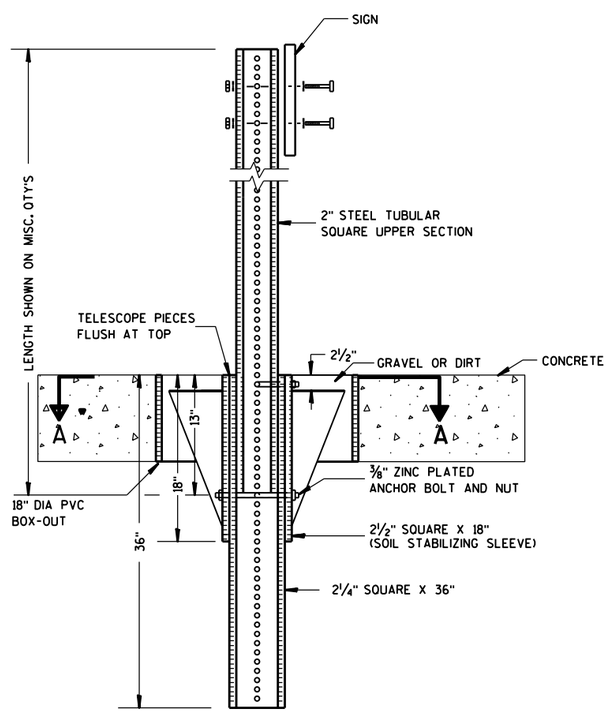
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 340	E



ELEVATION VIEW

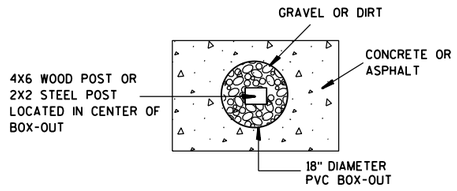
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

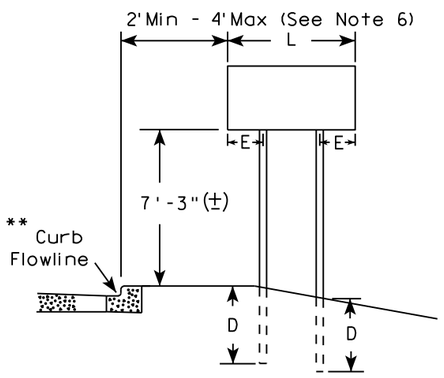
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

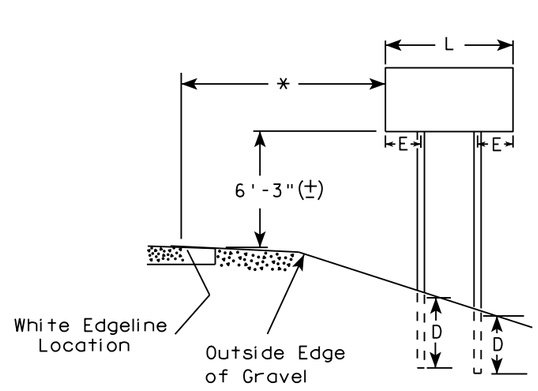
DATE 1/27/14 PLATE NO. A4-3B.1

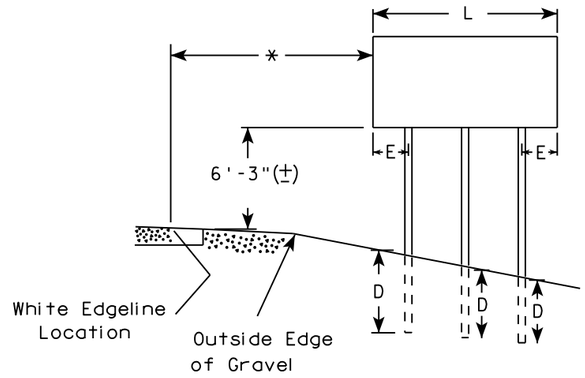
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

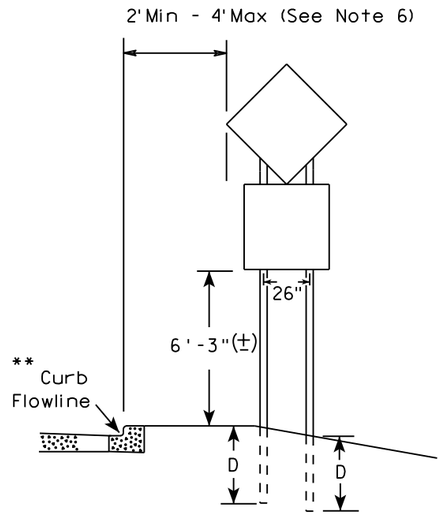
URBAN AREA



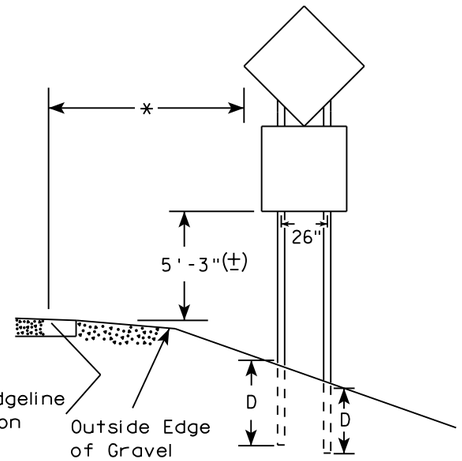
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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'

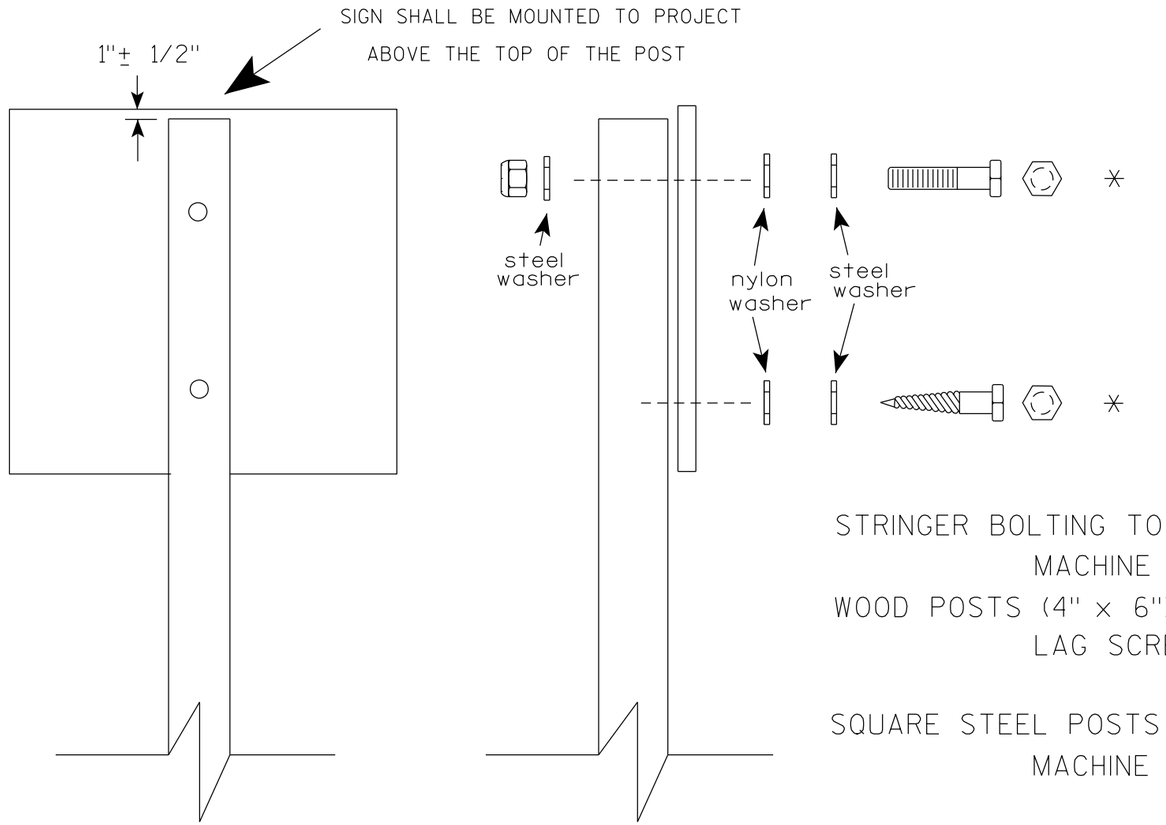
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 342	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

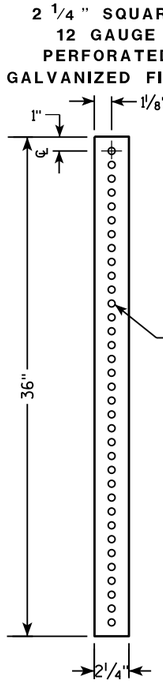
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

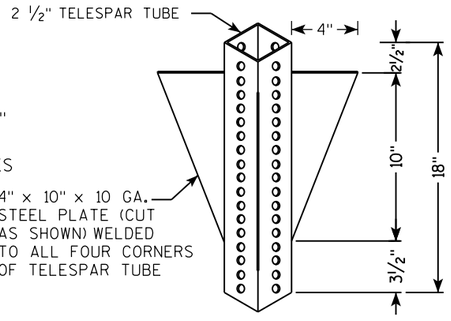
SHEET NO: 343 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

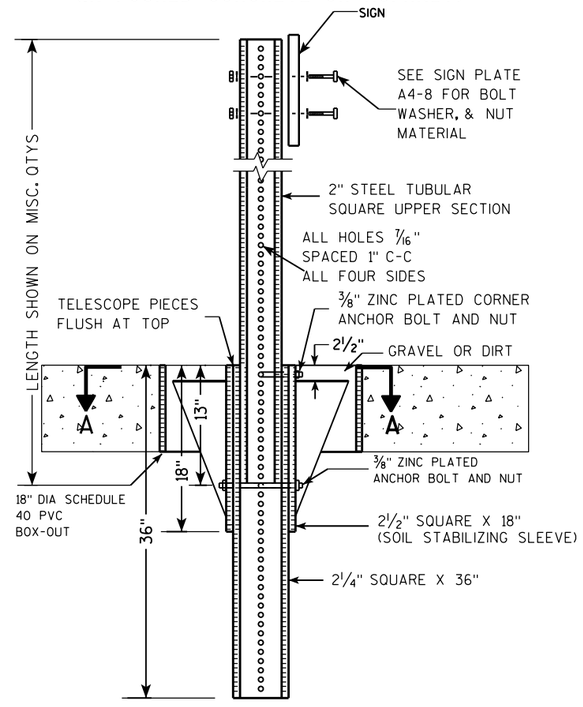
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



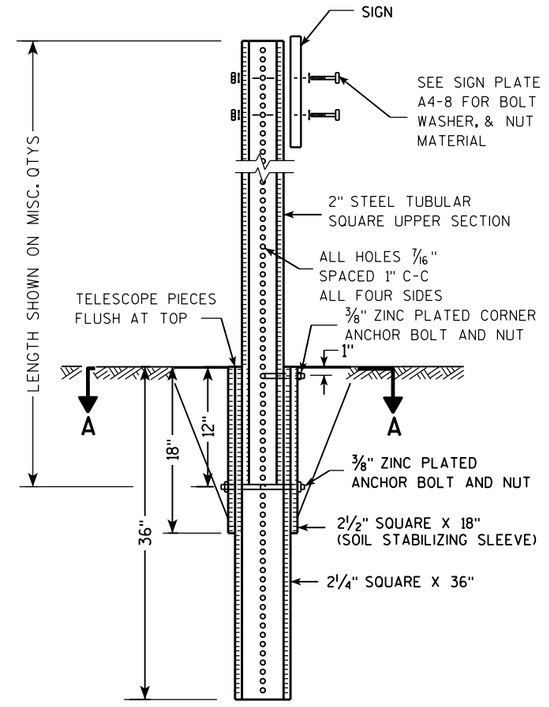
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

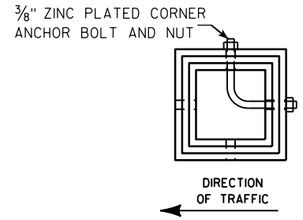


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

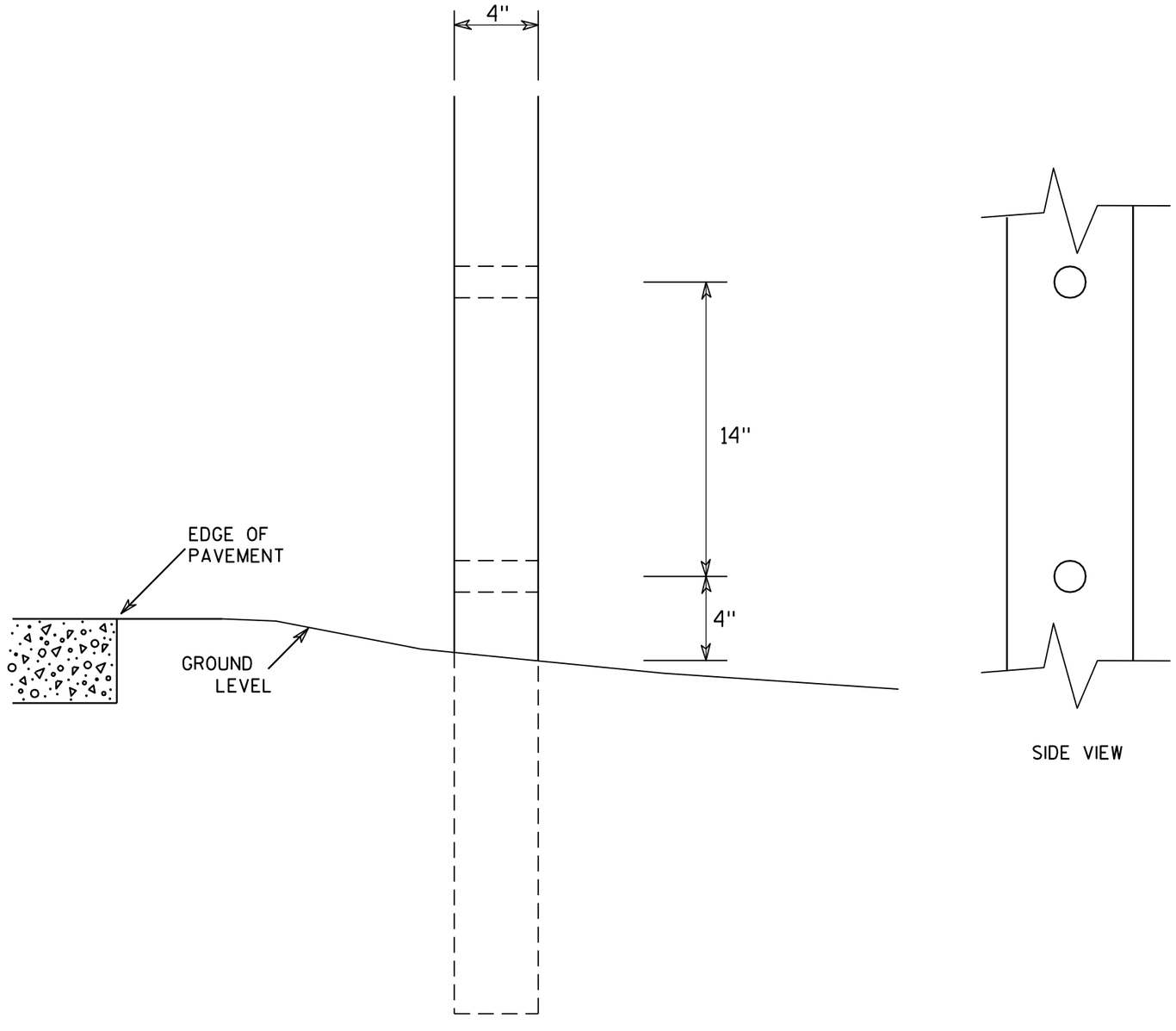
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 344 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

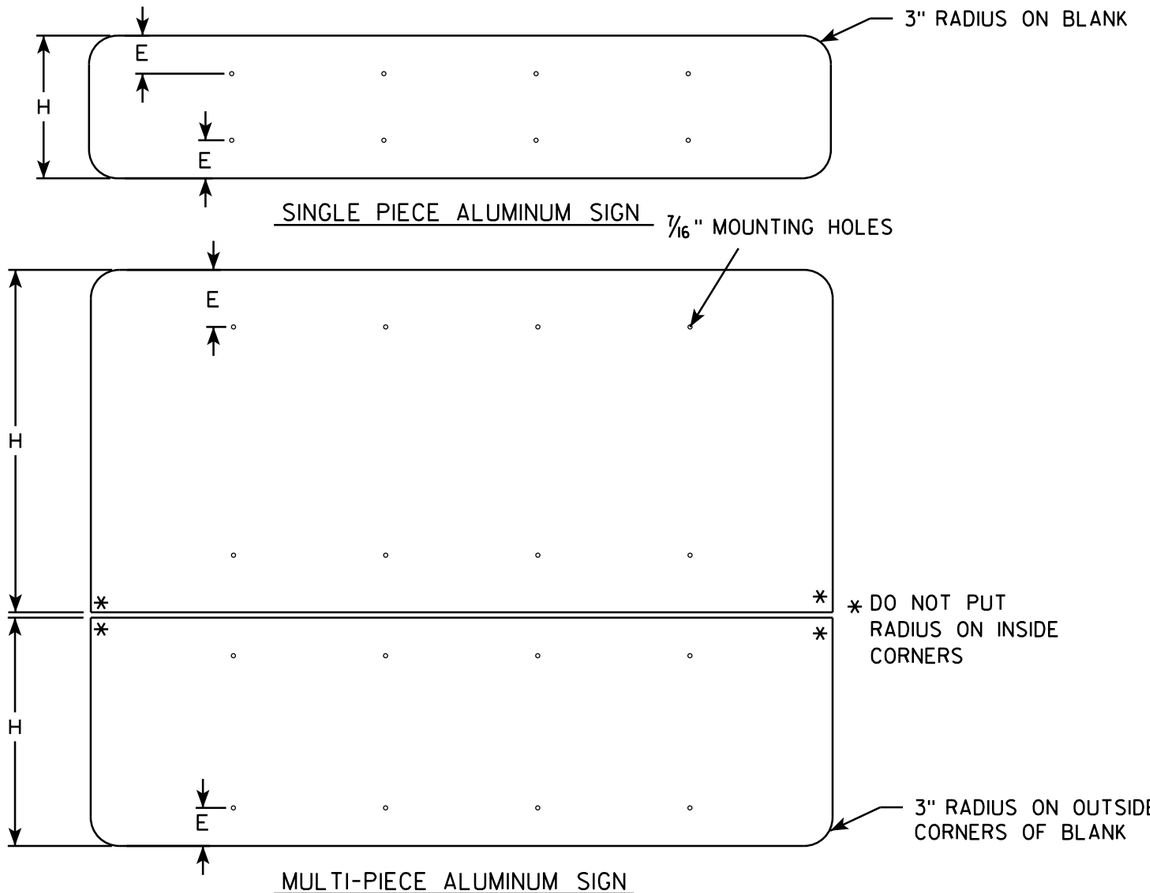
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

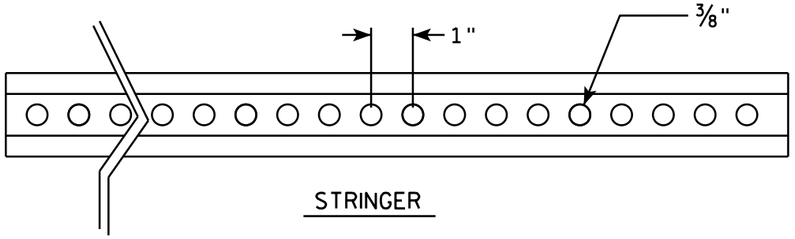
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 345	E



GENERAL NOTES

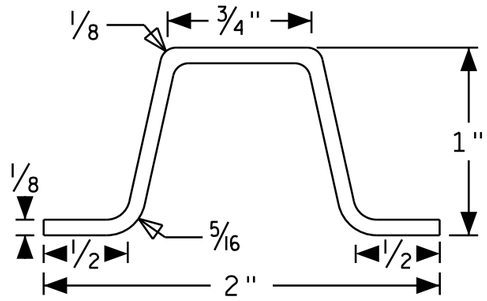
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

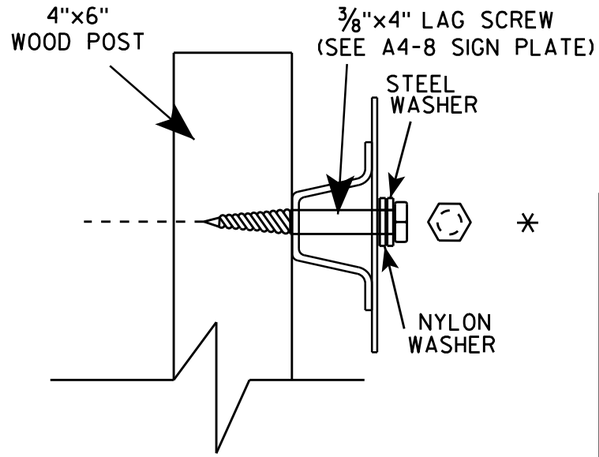


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

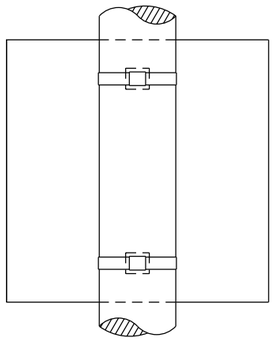
DATE 4/26/16 PLATE NO A4-18.1

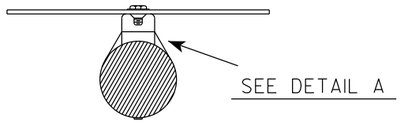
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

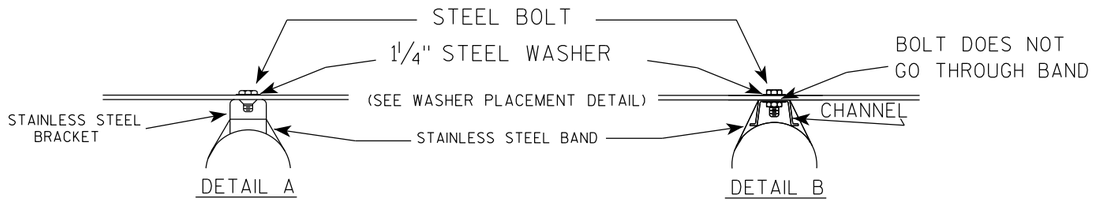
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BANDING

SINGLE SIGN



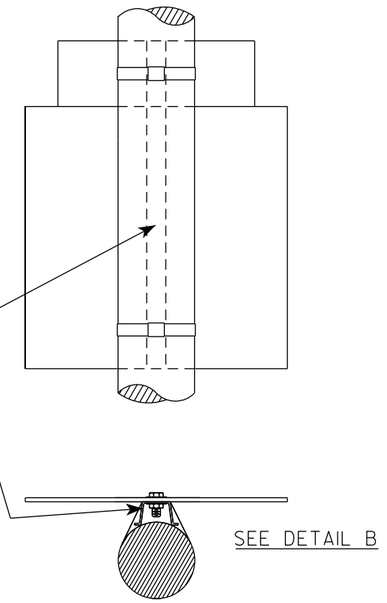




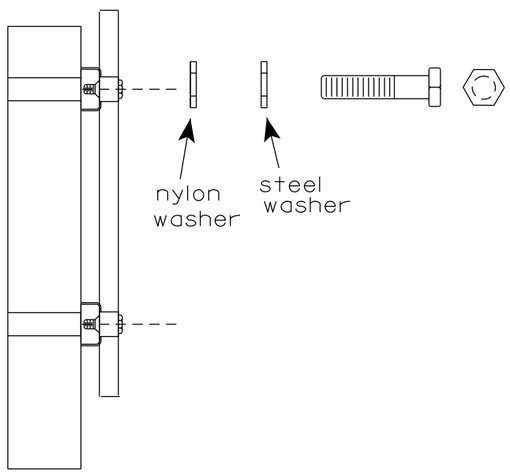
GENERAL NOTES

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



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

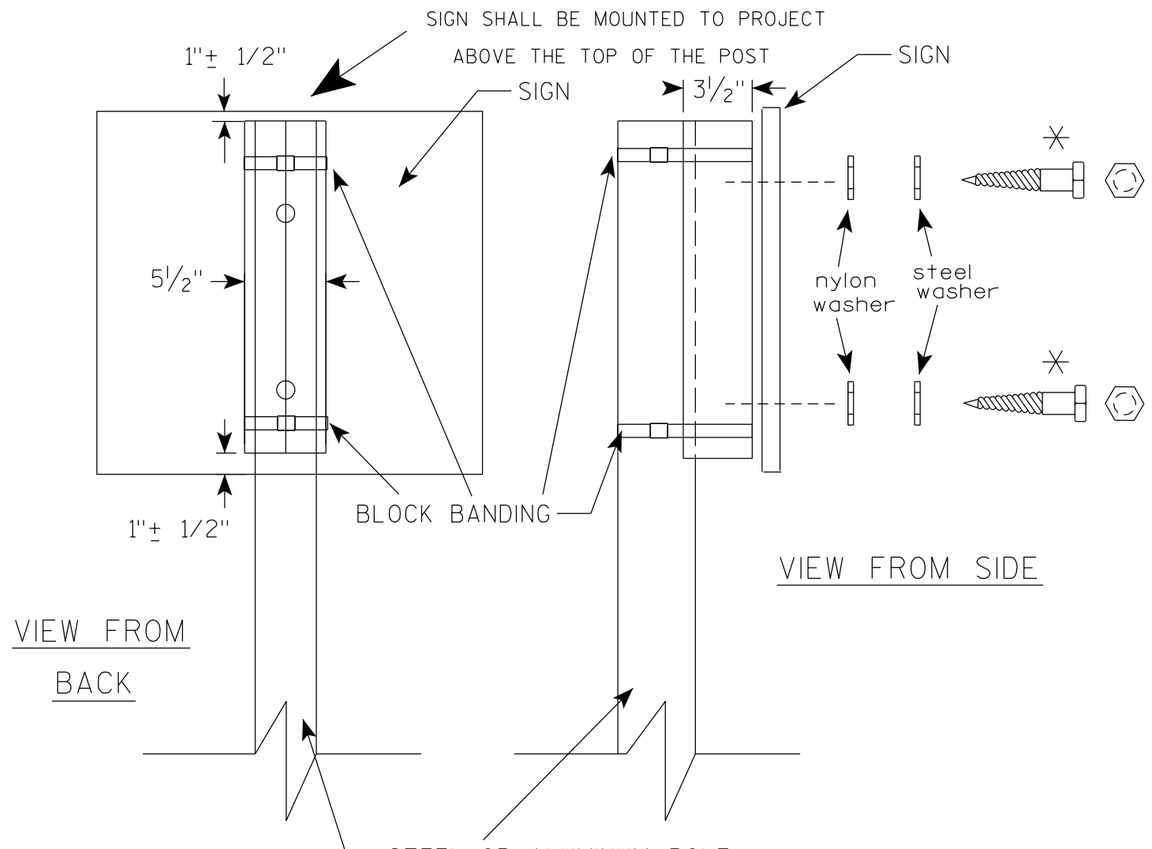
DATE 6/10/19 PLATE NO. A5-9.4

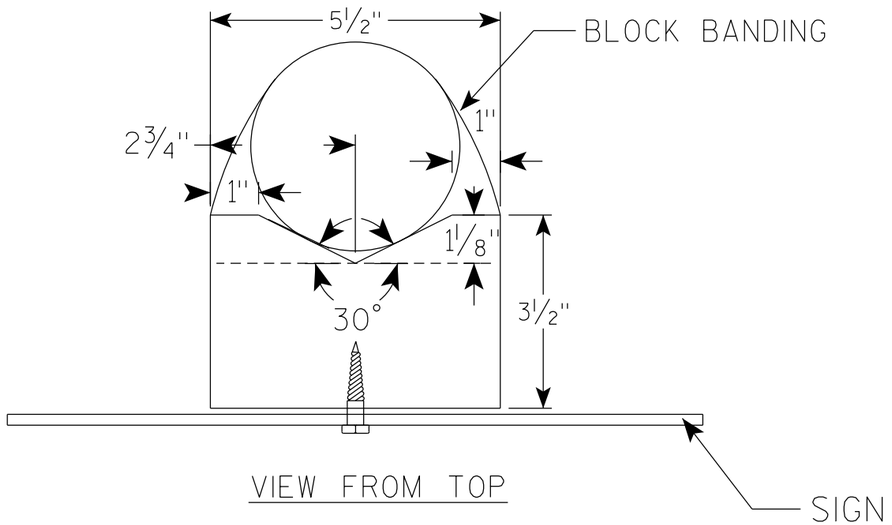
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 347	E

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

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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)

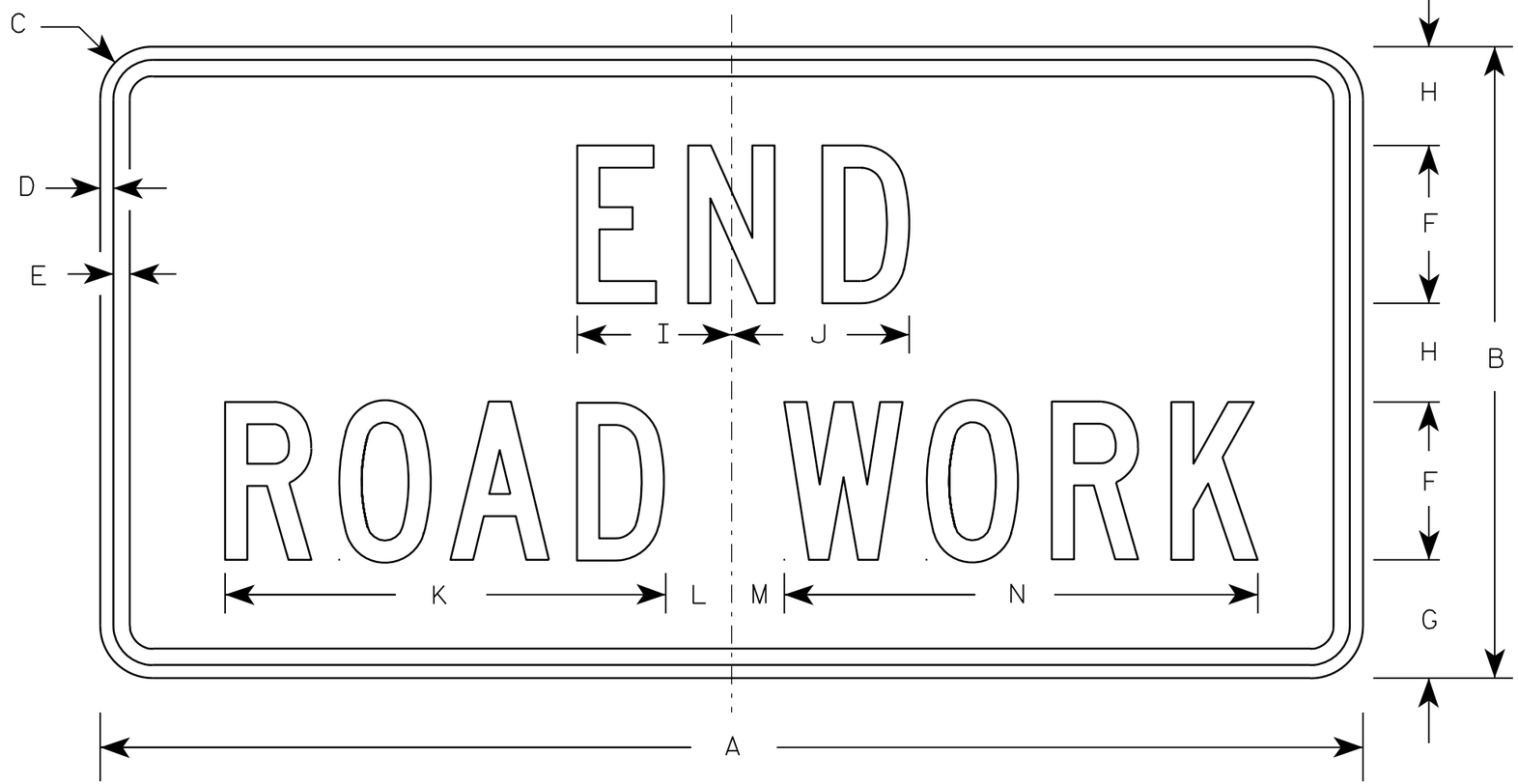
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 348 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

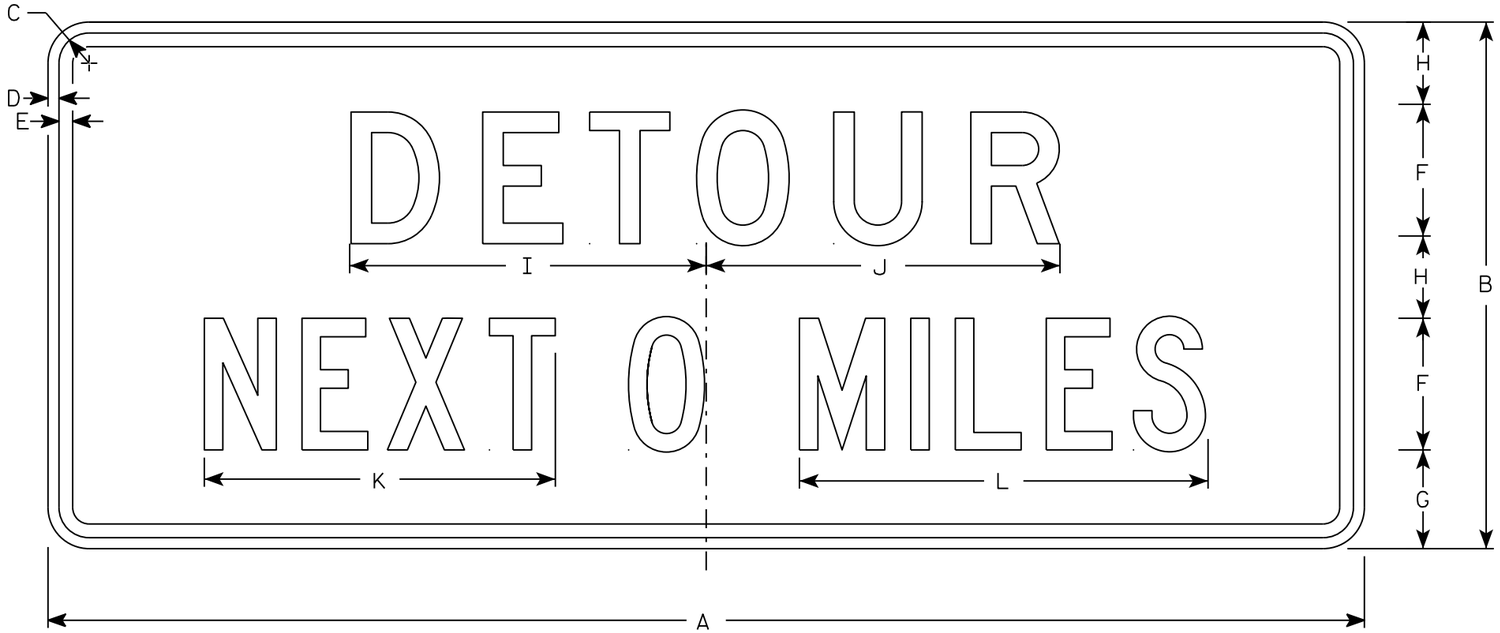
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 349	E



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
5																											

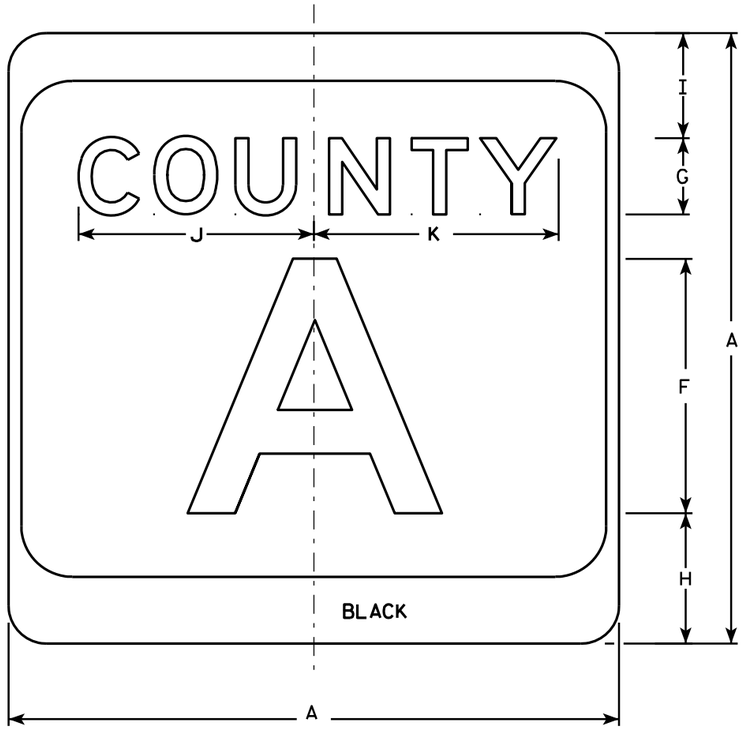
STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

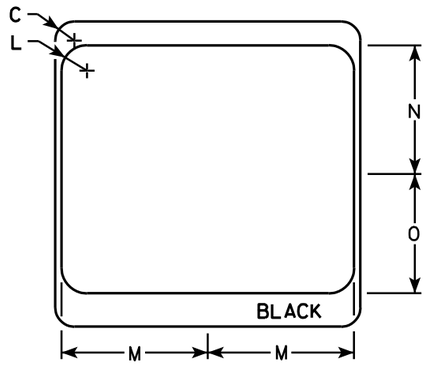
APPROVED Matthew R Rauch
for State Traffic Engineer

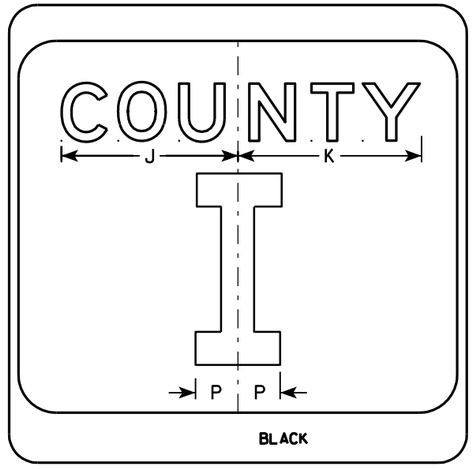
DATE 3/14/17 PLATE NO. G20-51.2

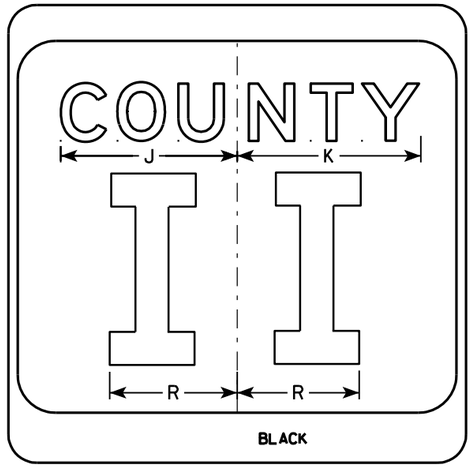
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 350 | E



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

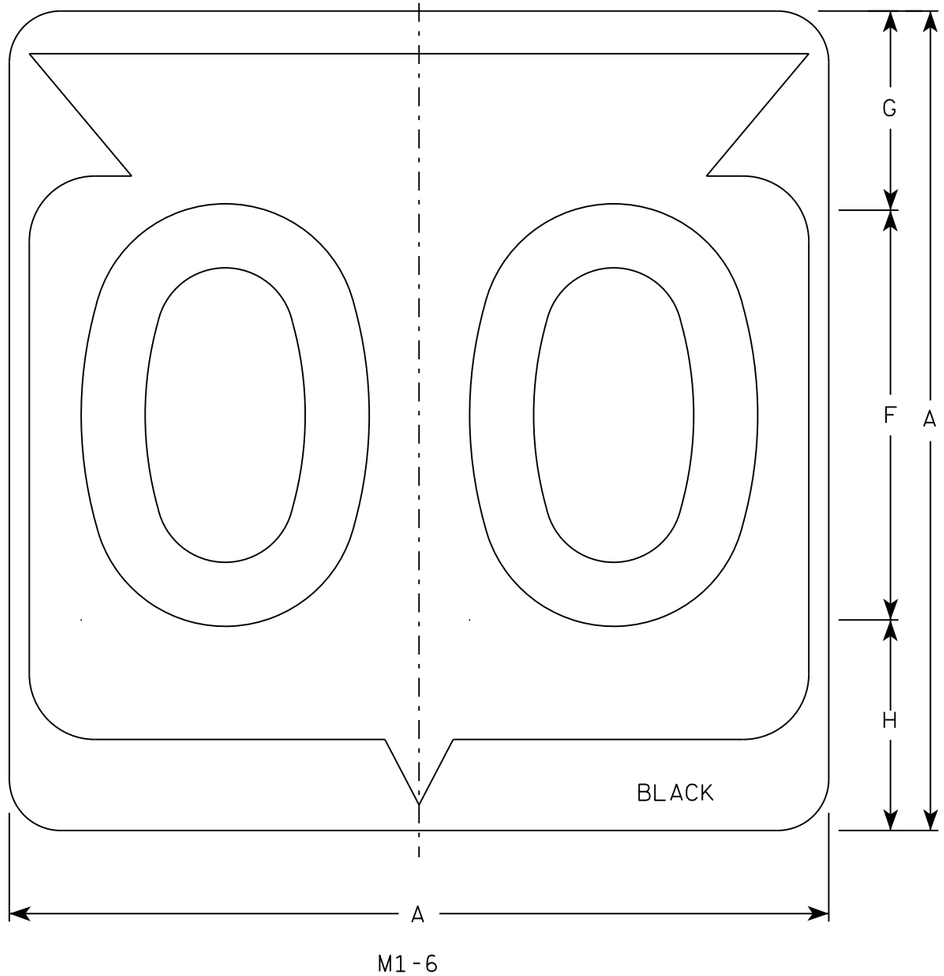
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

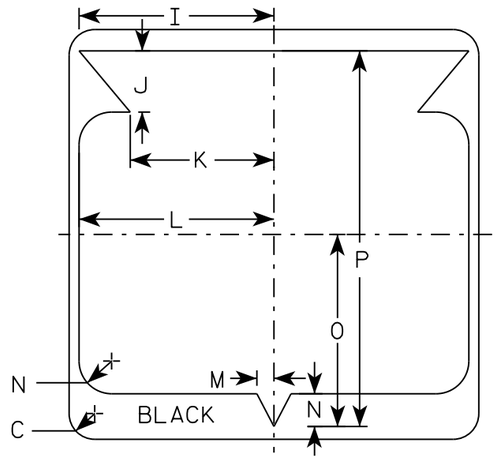
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 351	E



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

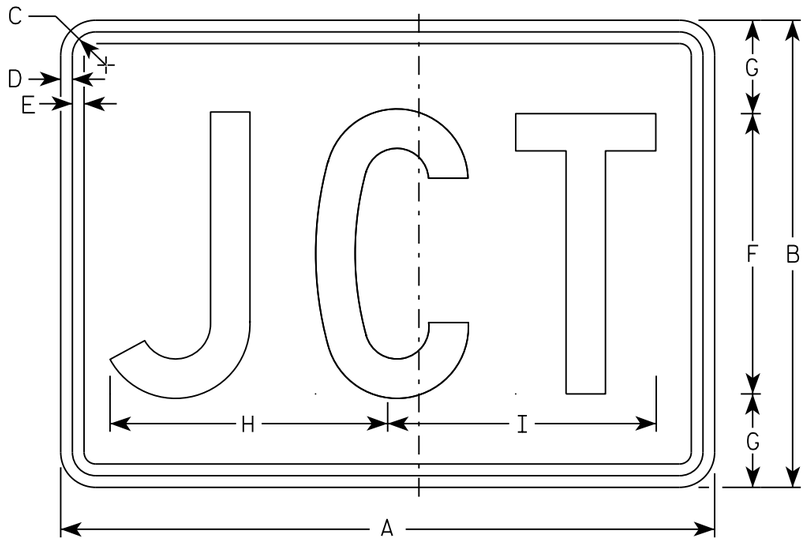
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

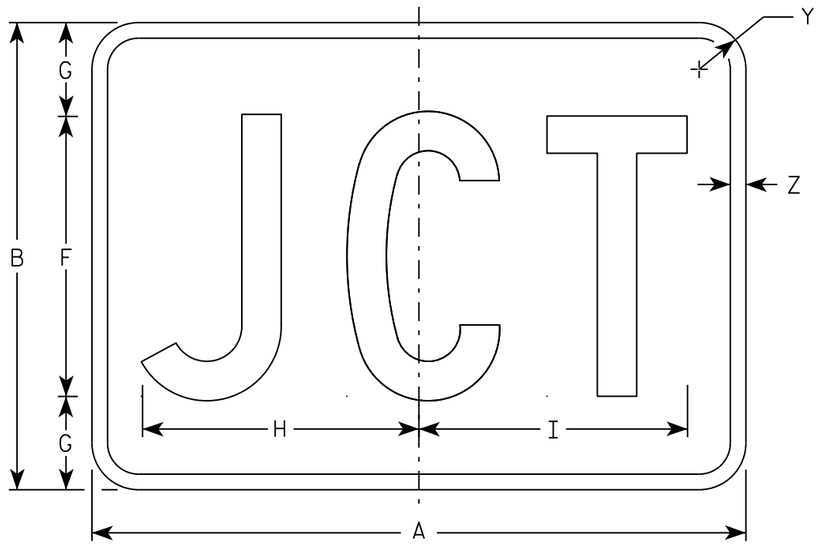
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 352 E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is 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. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - 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																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

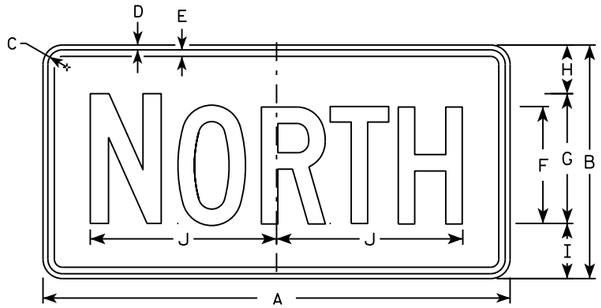
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

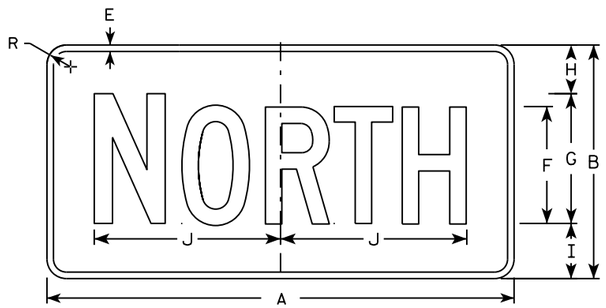
DATE 10/15/15 PLATE 353 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



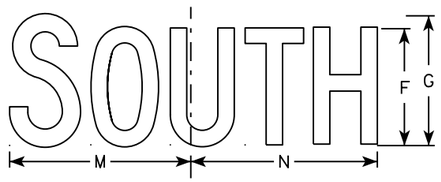
MB3-1
MK3-1
MN3-1



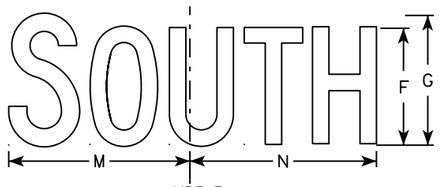
M3-2
MM3-2
MP3-2



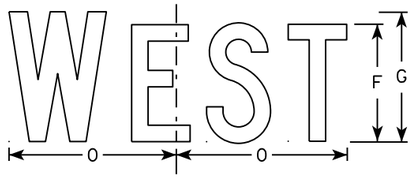
MB3-2
MK3-2
MN3-2



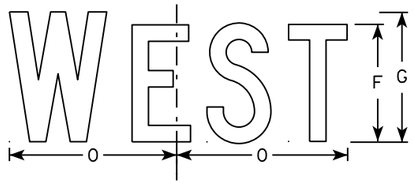
M3-3
MM3-3
MP3-3



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

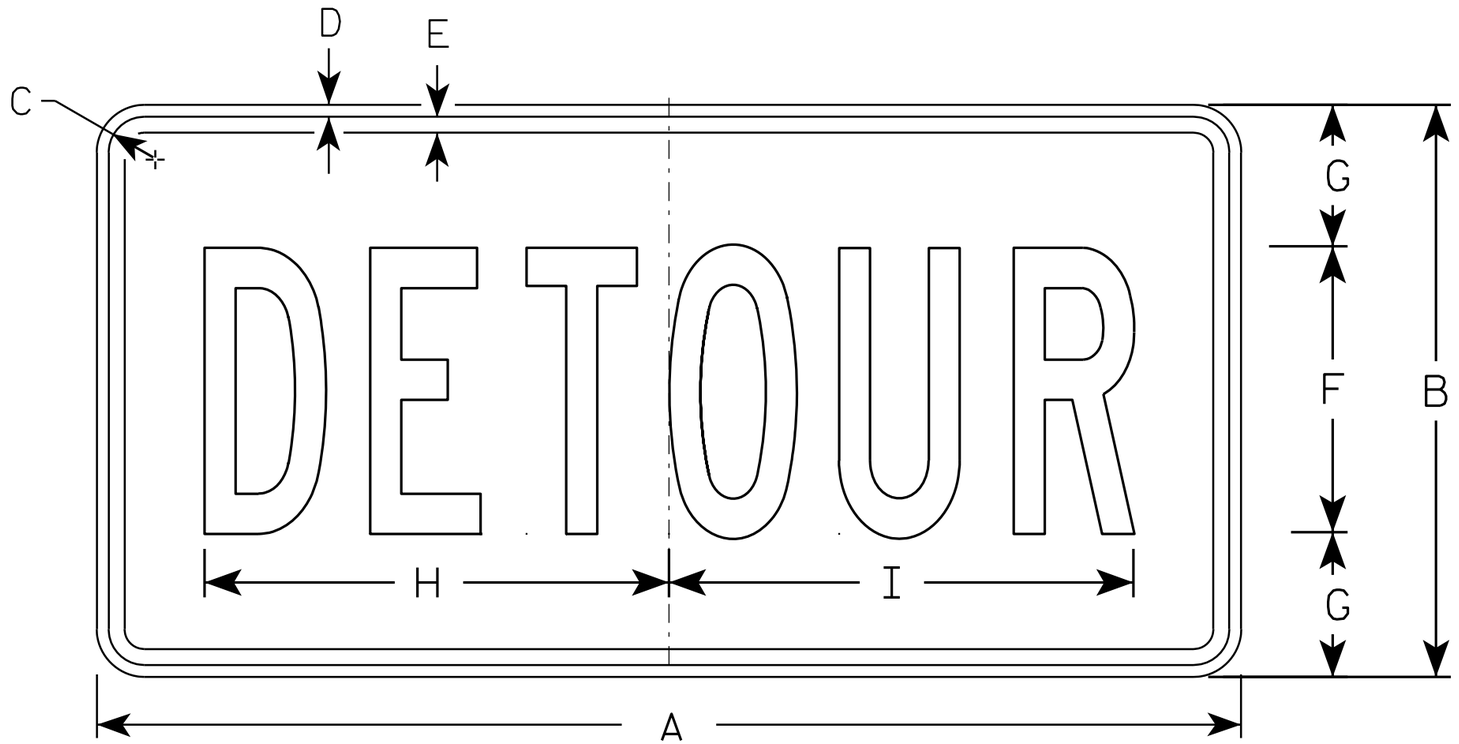
WISCONSIN DEPT OF TRANSPORTATION

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																											

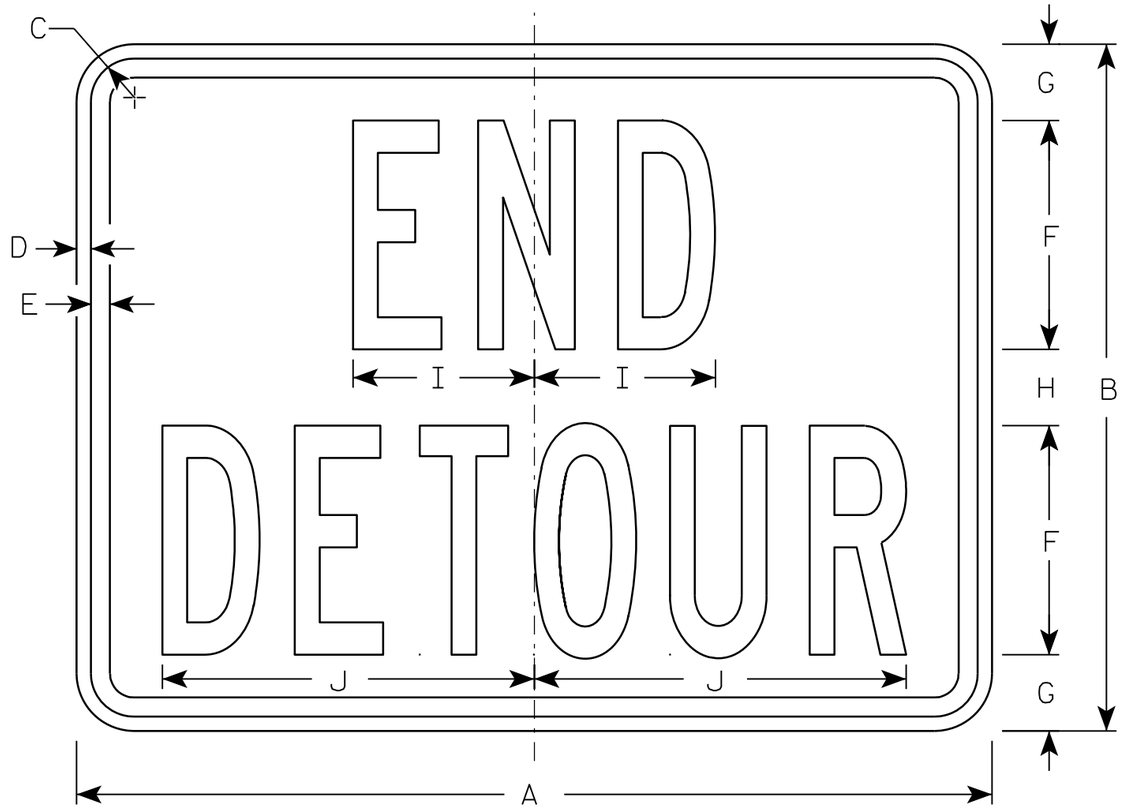
STANDARD SIGN
M4-8

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: 355	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

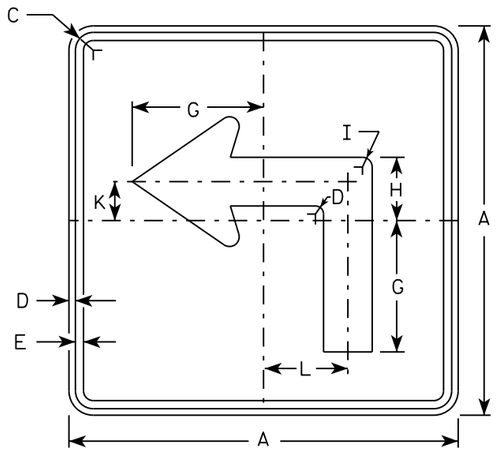
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

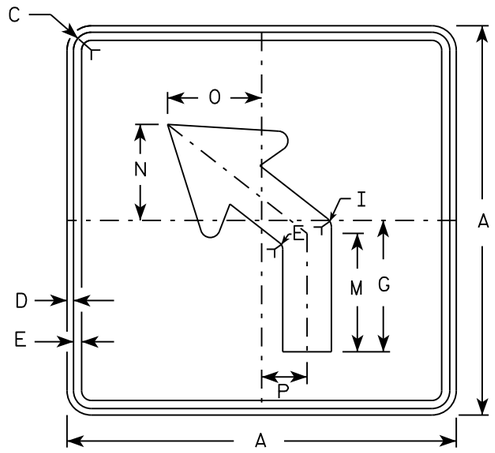
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

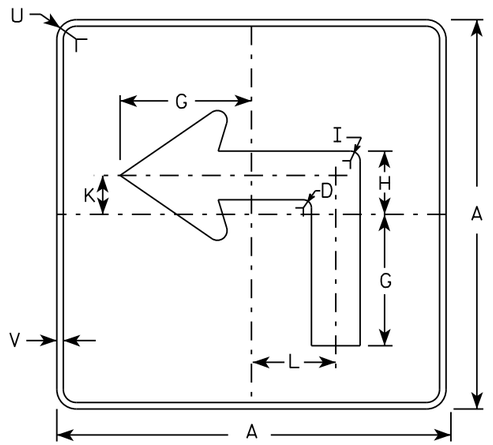
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 356	E



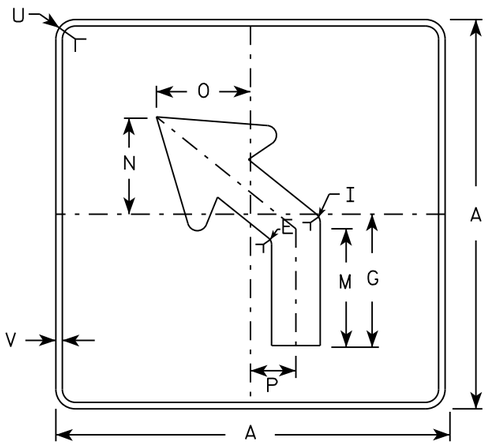
M5-1L
MM5-1L
MO5-1L
MP5-1L



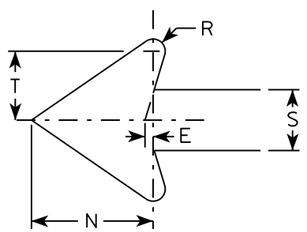
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

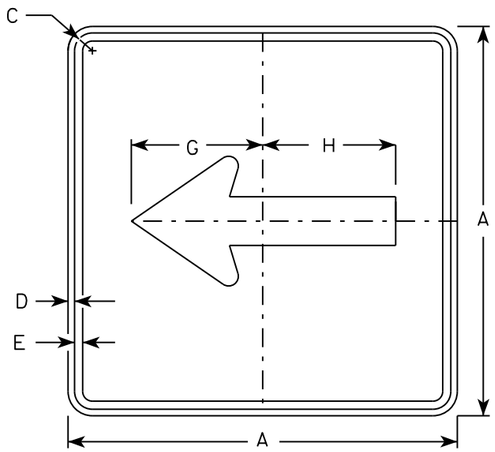
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

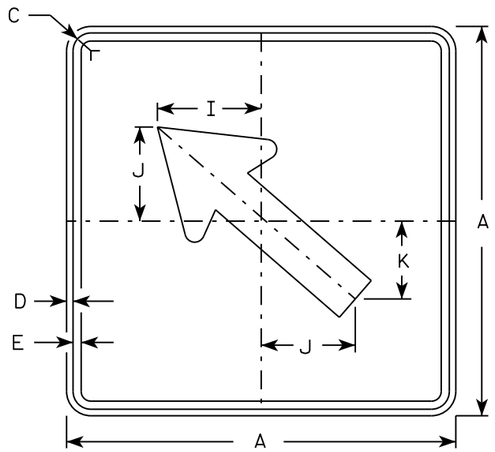
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



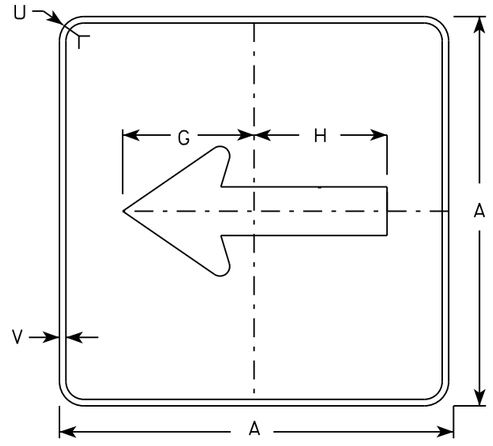
M6-1
MM6-1
MO6-1
MP6-1



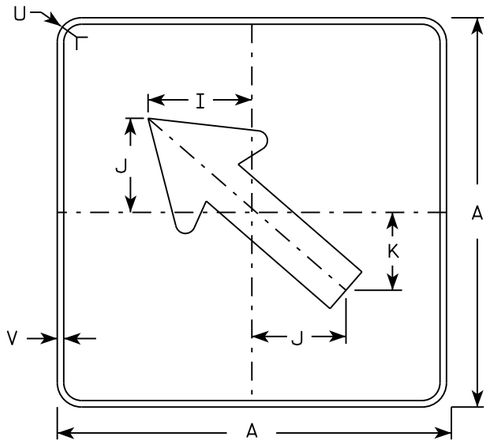
M6-2
MM6-2
MO6-2
MP6-2

NOTES

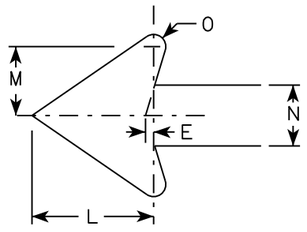
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

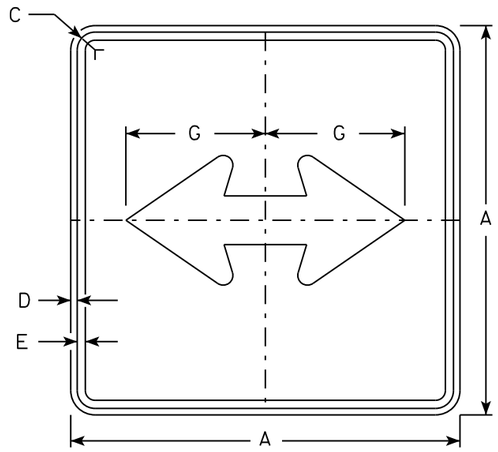
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

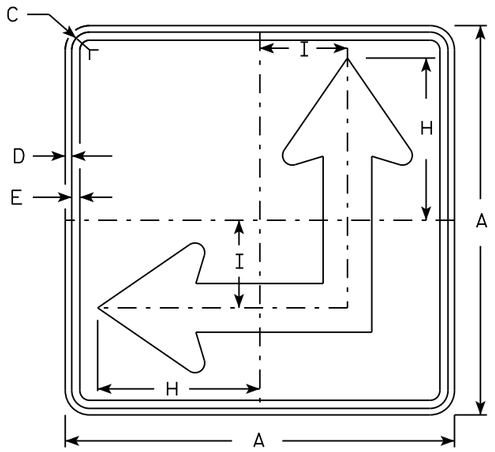
DATE 10/15/15 PLATE 358 M6-1.15

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



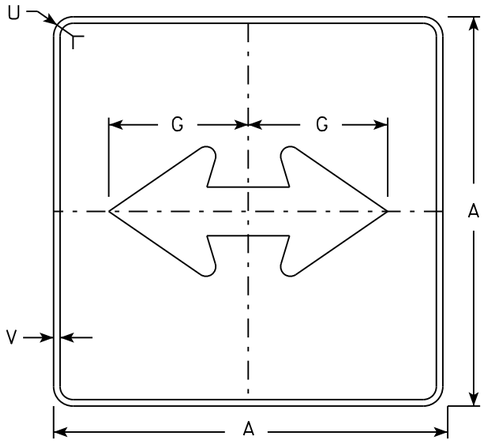
M6-4
MM6-4
MO6-4
MP6-4



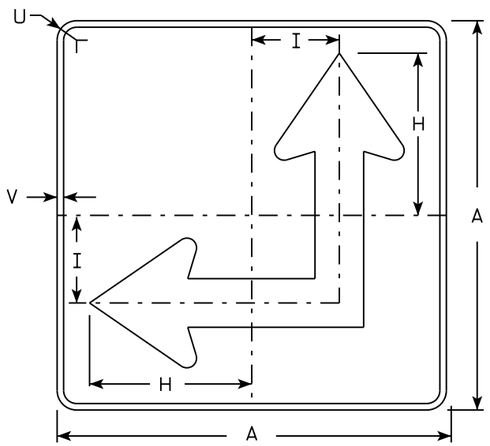
M6-6
MM6-6
MO6-6
MP6-6

NOTES

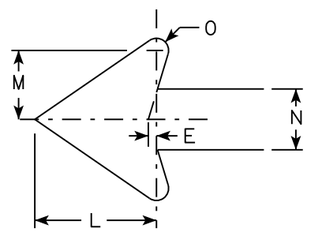
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



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	8 3/4	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	12 1/2	6 3/4			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	12 1/2	6 3/4			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	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

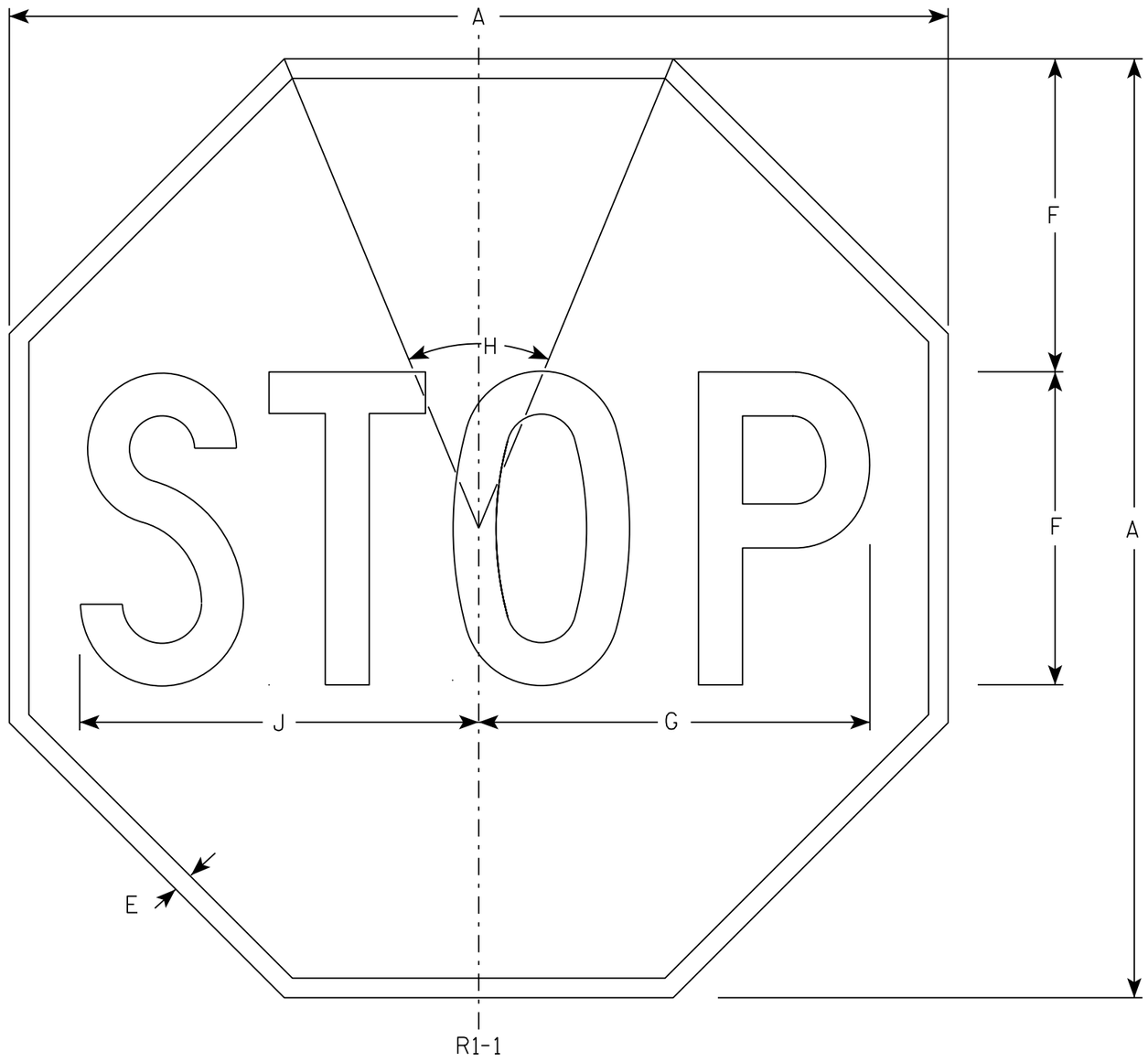
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 359 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ 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

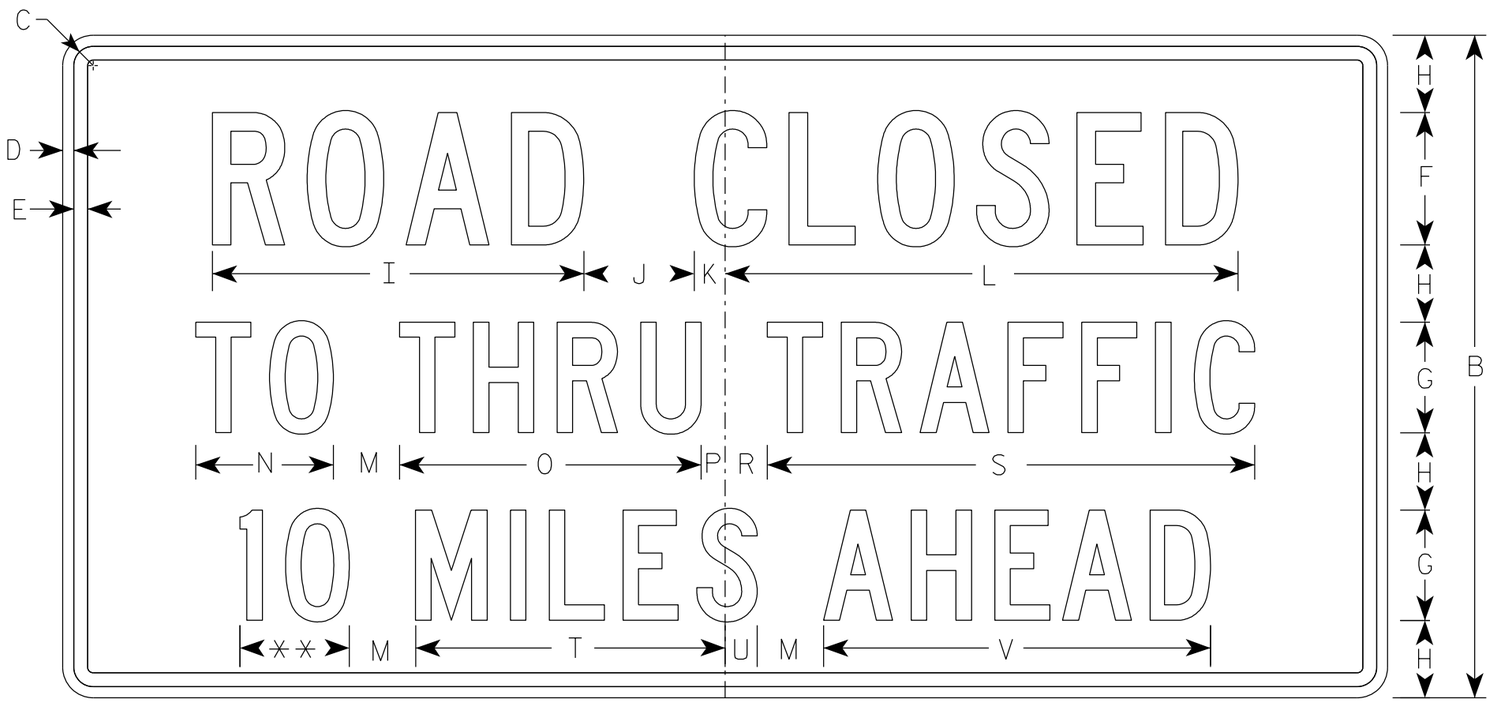
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 360	E

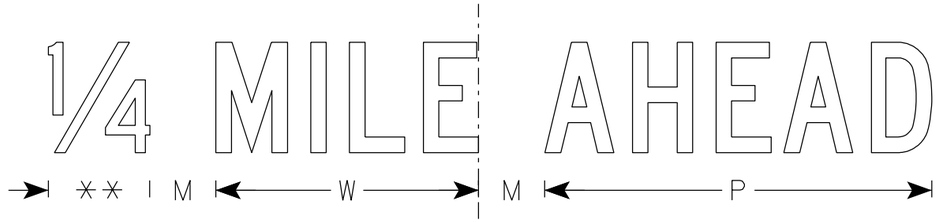
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 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

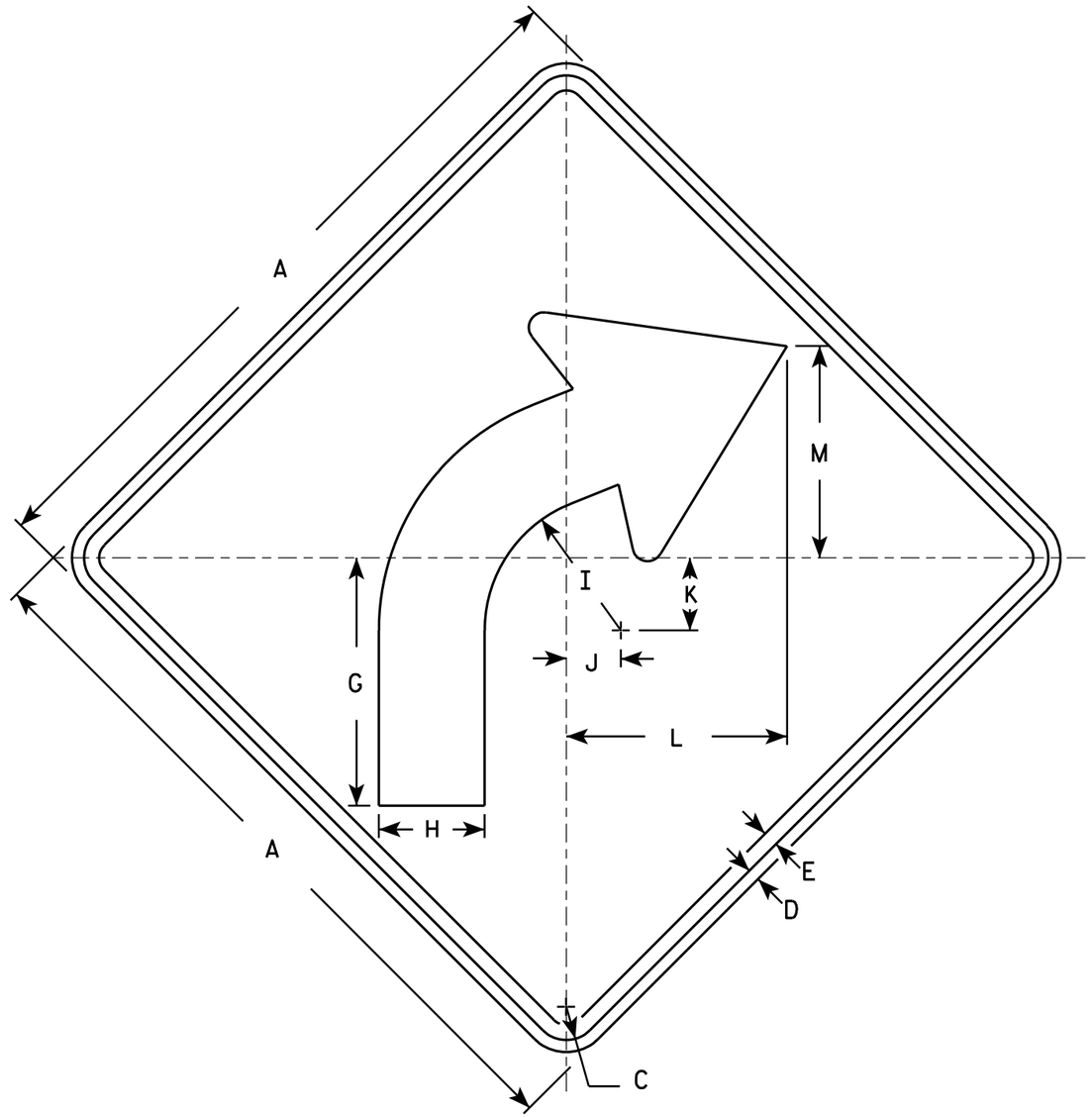
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

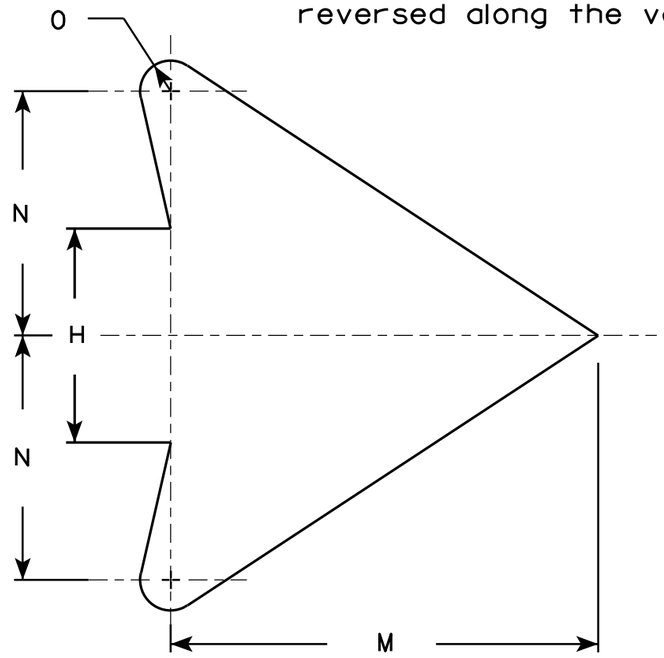
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 361	E

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 - 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. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



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		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

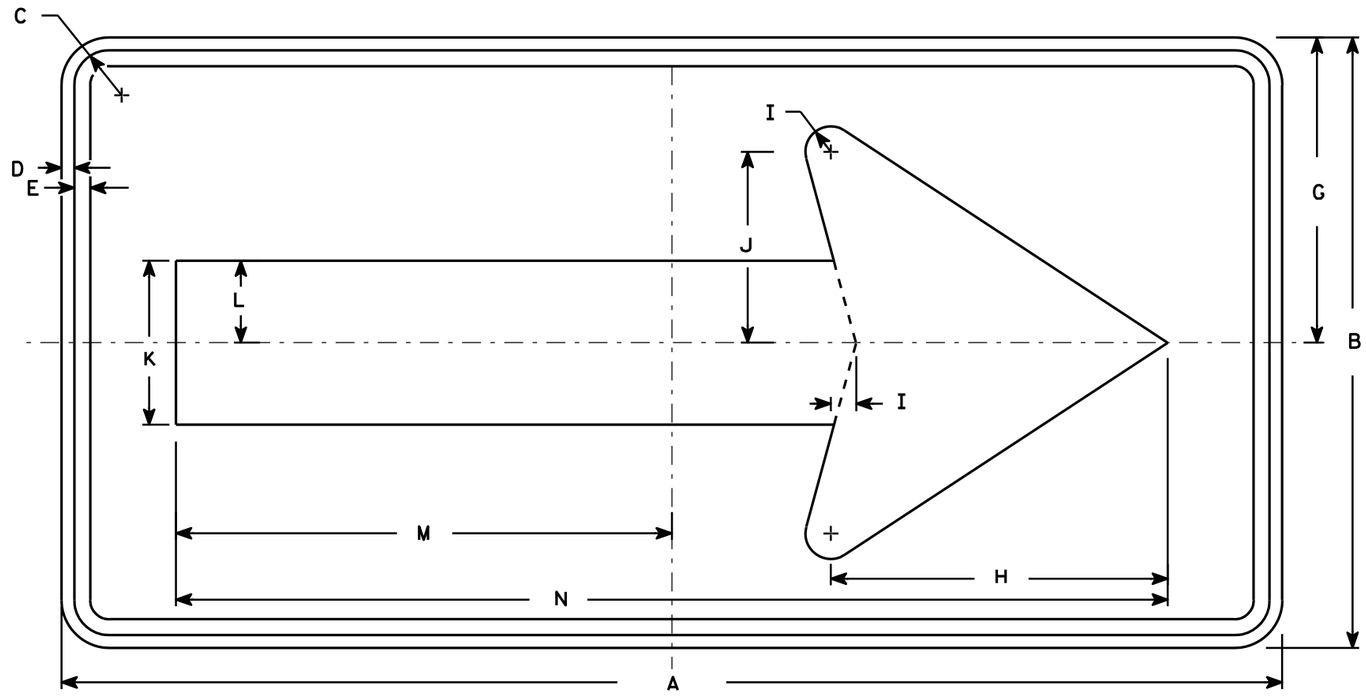
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 362	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 - 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.



W1-6

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 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
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	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

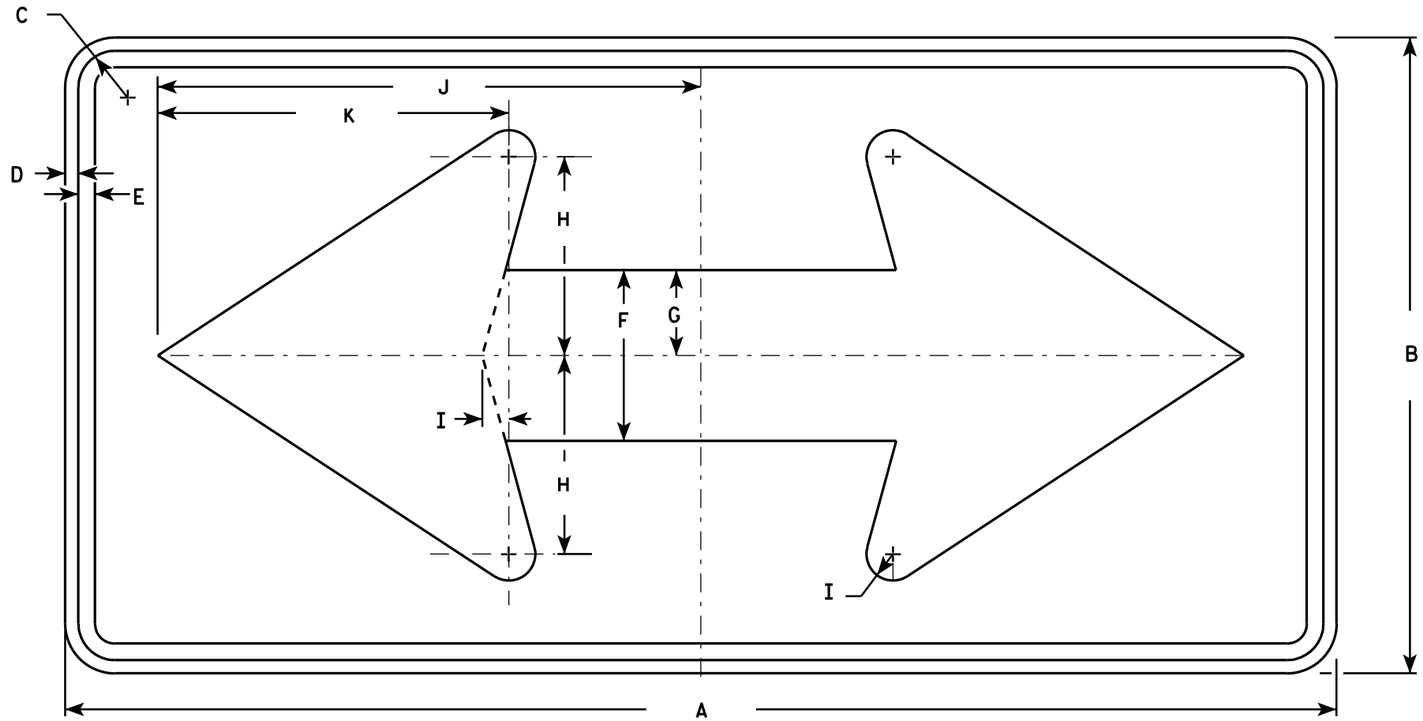
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 363



W1-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

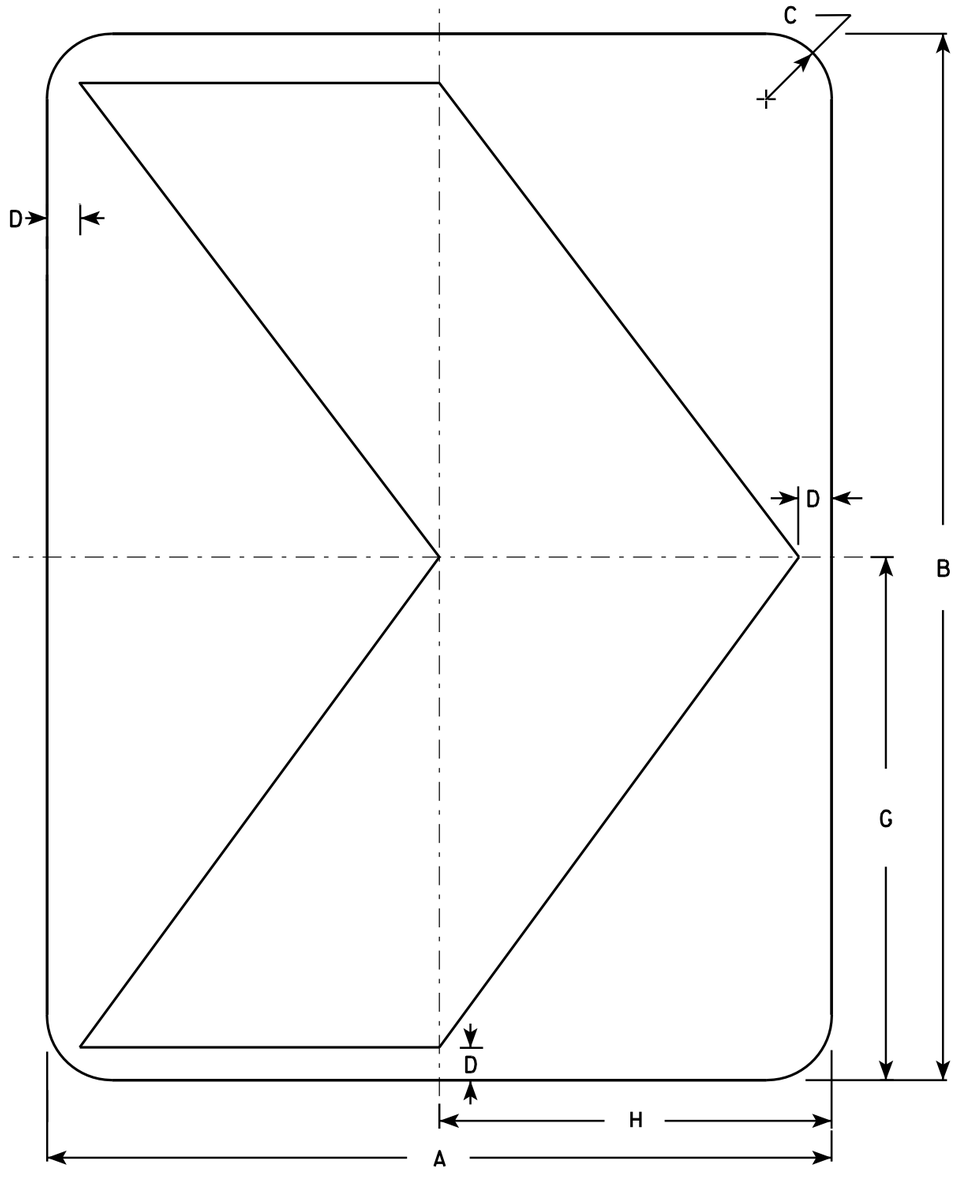
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 364 | 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 - 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.

W1-8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	½			9	6																			1.5
2S	18	24	1 ½	¾			12	9																			3.0
2M	18	24	1 ½	¾			12	9																			3.0
3	24	30	1 ½	1			15	12																			5.0
4	30	36	1 ⅞	1 ¼			18	15																			7.5
5	36	48	2 ¼	1 ½			24	18																			12.0

STANDARD SIGN
W1-8

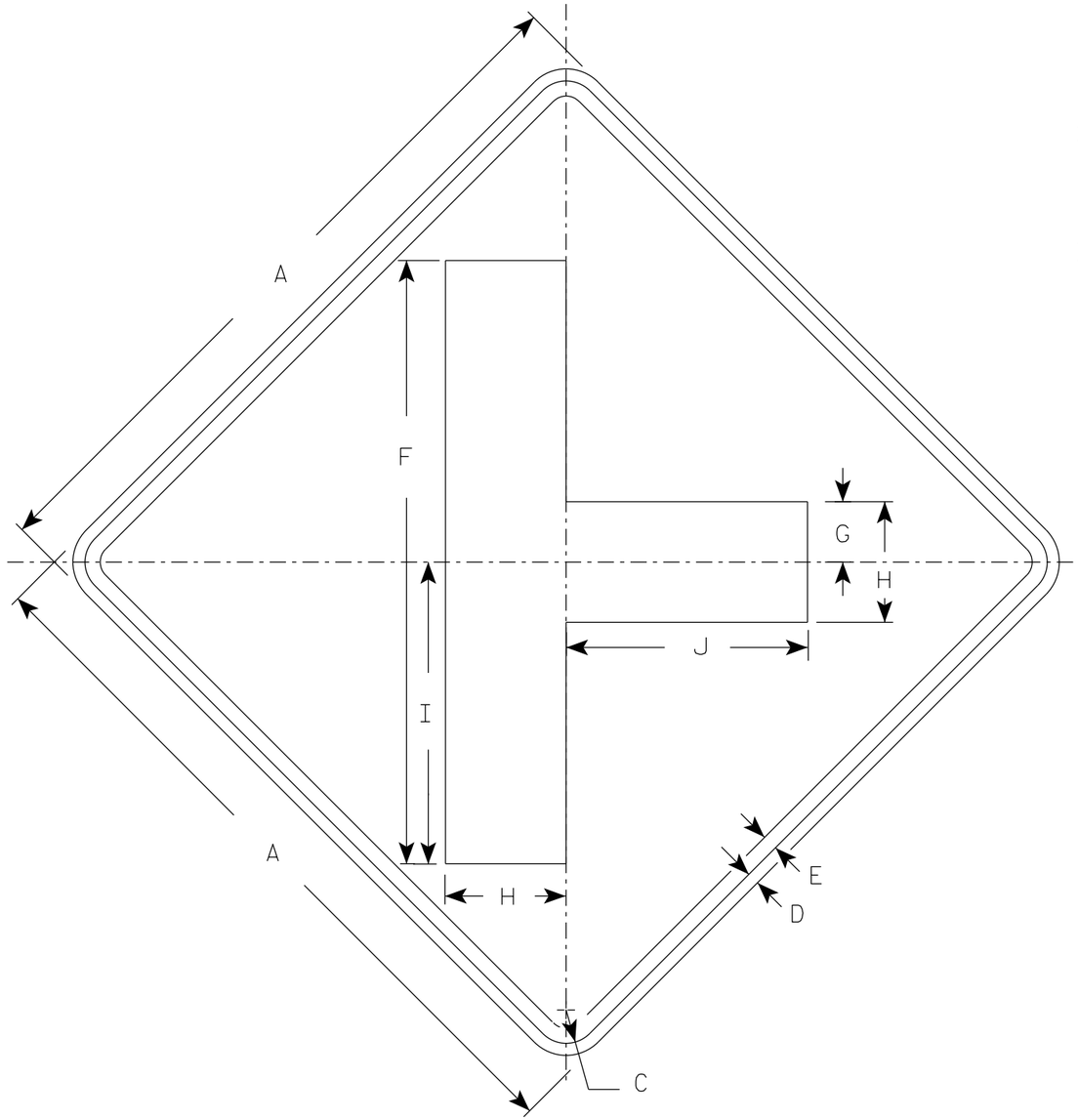
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-8.6

PROJECT NO:

SHEET NO: 365 E



W2-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W2-2L same as W2-2R but is rotated 180° when mounted.

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	20	2	4	10	8																	4.0
2S	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 5/8	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

STANDARD SIGN

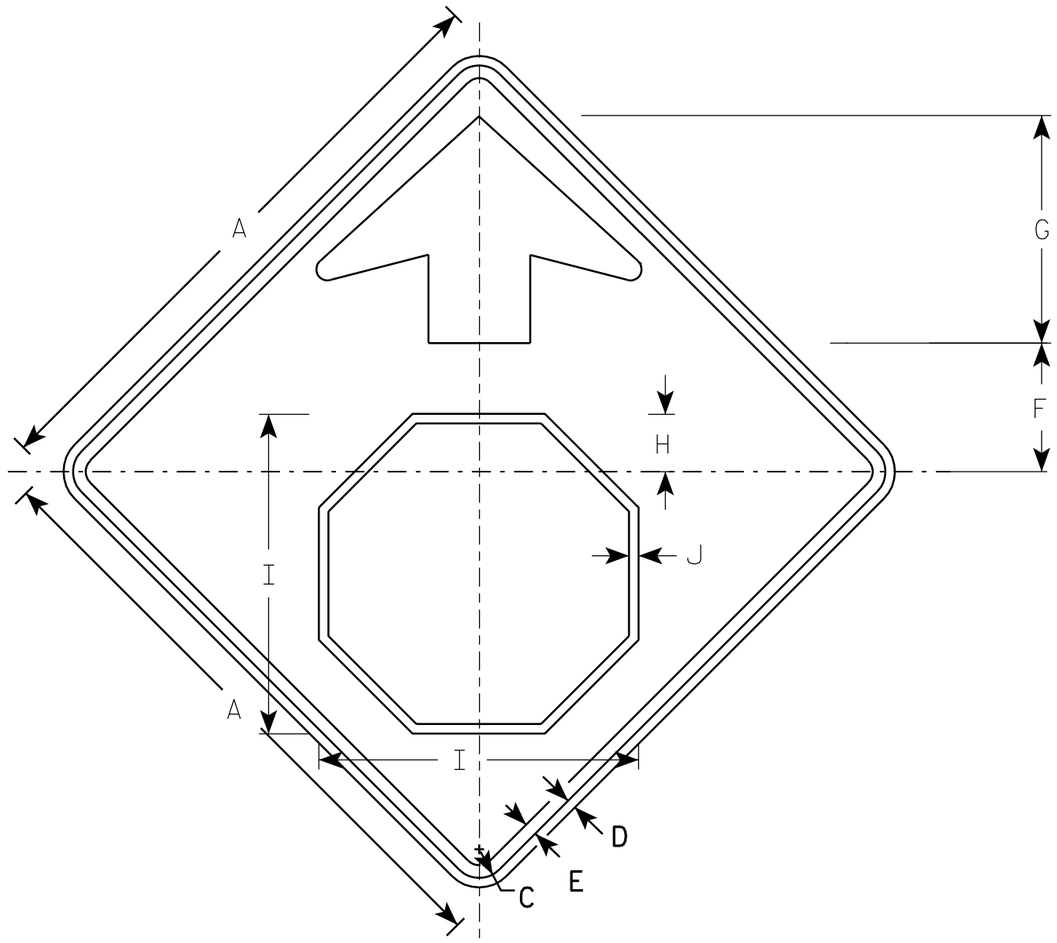
W2-2 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/18/2021 PLATE NO. W2-2.7

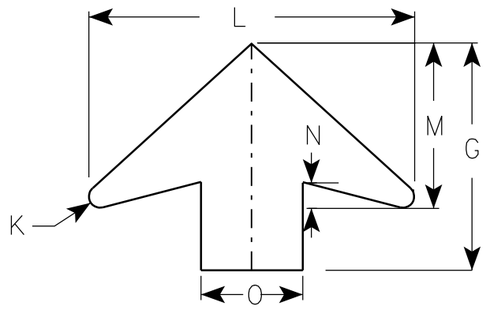
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 366	E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	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
2M	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
3	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
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
W3-1

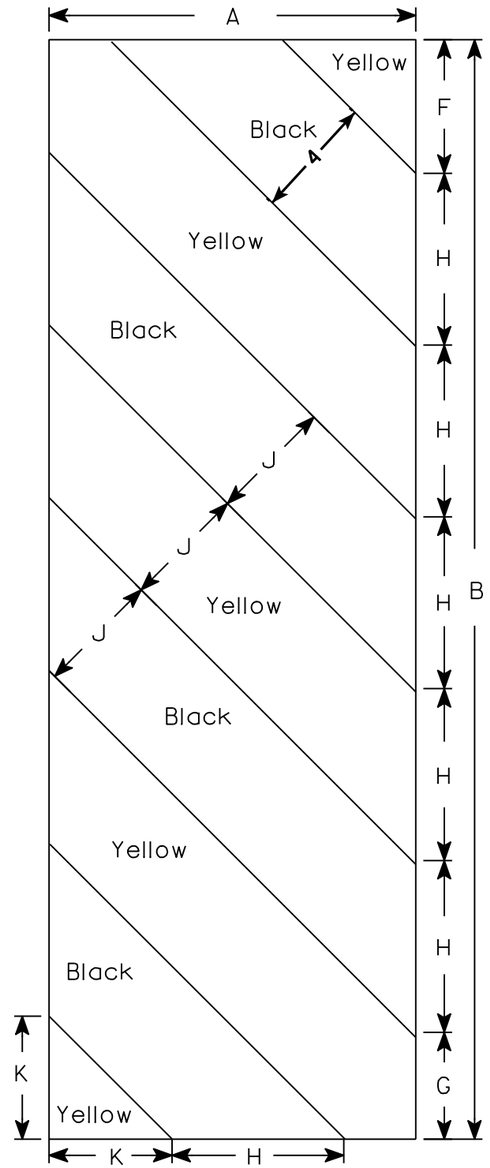
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

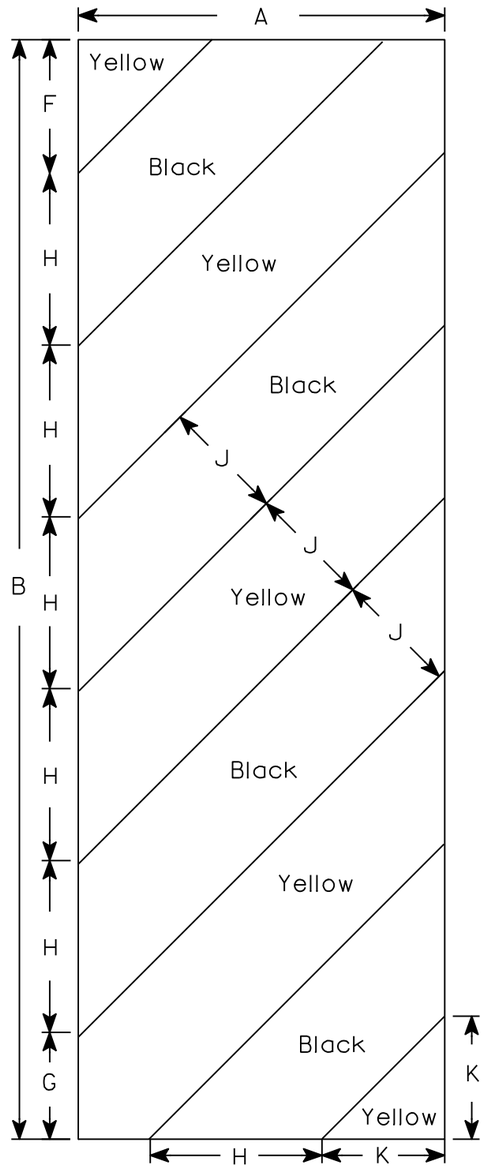
DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 367 E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

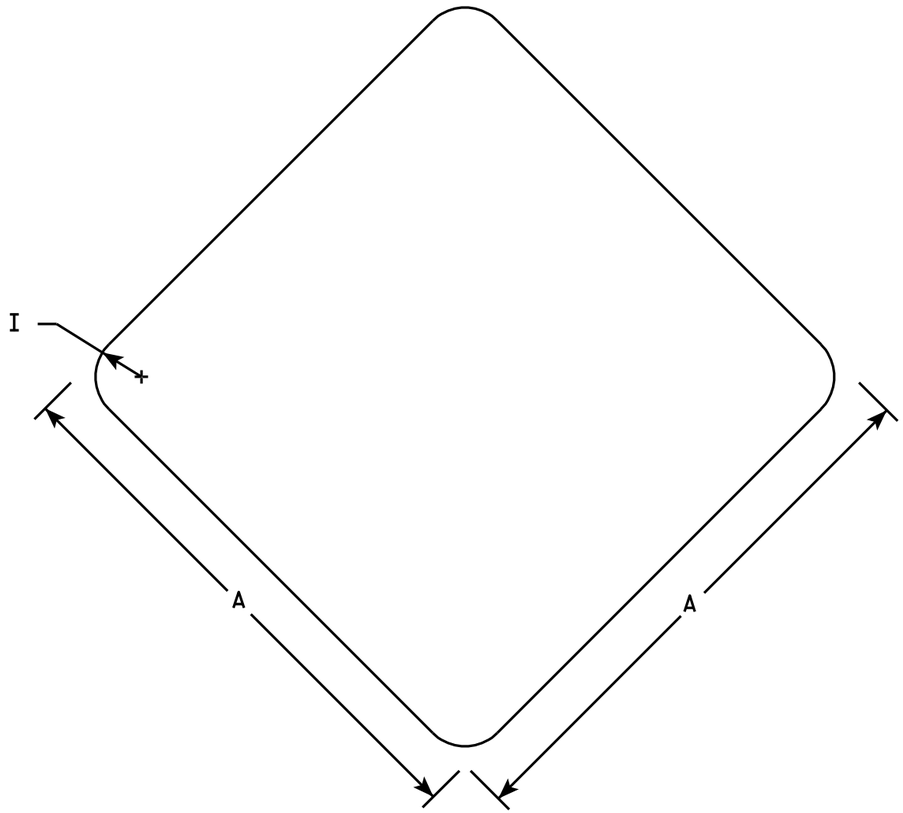
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 368 | E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

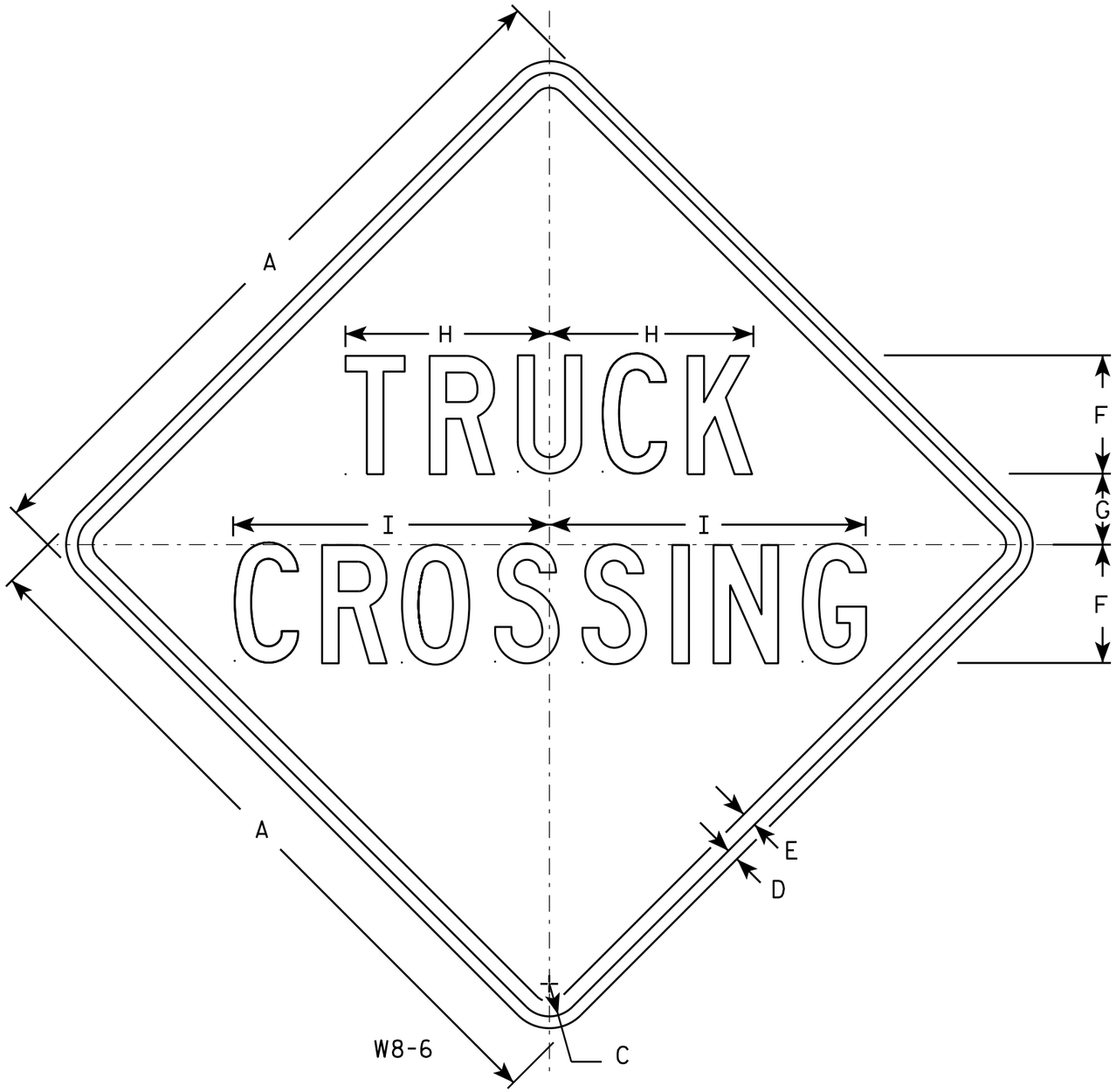
STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 369	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 - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	2 1/2	6 7/8	10 5/8																		4.0
2S	36		1 5/8	5/8	3/4	6	3 1/2	10 3/8	16																		9.0
2M	36		1 5/8	5/8	3/4	6	3 1/2	10 3/8	16																		9.0
3	36		1 5/8	5/8	3/4	6	3 1/2	10 3/8	16																		9.0
4	36		1 5/8	5/8	3/4	6	3 1/2	10 3/8	16																		9.0
5	48		2 1/4	3/4	1	8	5	13 3/4	21 1/4																		16.0

STANDARD SIGN
W8-6

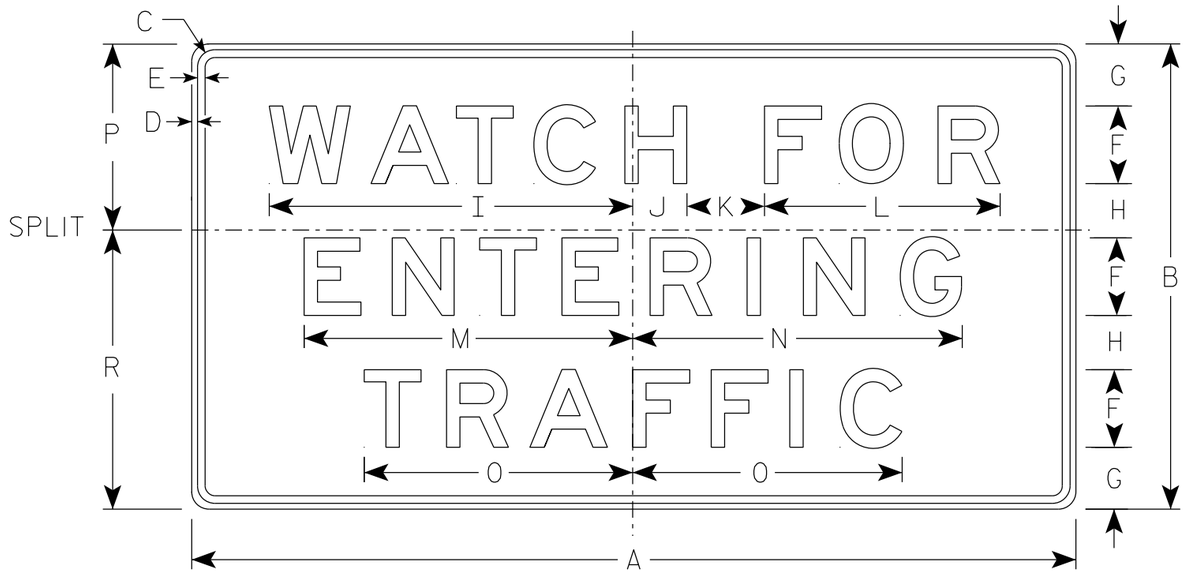
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch
for State Traffic Engineer

DATE 11/25/13 PLATE NO. W8-6.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W86.DGN PLOT DATE : 25-NOV-2013 15:14 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.594294:1.000000
WISDOT/CADDS SHEET 42



W8-75

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - YELLOW
   Message - BLACK
3. Message Series - E
4. Size 4 will have a split as Shown

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	66	36	1 5/8	5/8	3/4	6	5	4	26 1/4	3 1/4	6	17	21 1/2	21 1/2	18 3/4												16.5
2M	66	36	1 5/8	5/8	3/4	6	5	4	26 1/4	3 1/4	6	17	21 1/2	21 1/2	18 3/4												16.5
3	84	48	3	3/4	1	8	6	6	34 1/2	4 7/8	7	22 5/8	28 5/8	28 5/8	25												28.0
4	114	60	2 1/4	3/4	1	10	8	7	46 7/8	7	10	30 3/8	42 3/8	42 1/2	34 5/8	24		36									47.5
5																											

STANDARD SIGN

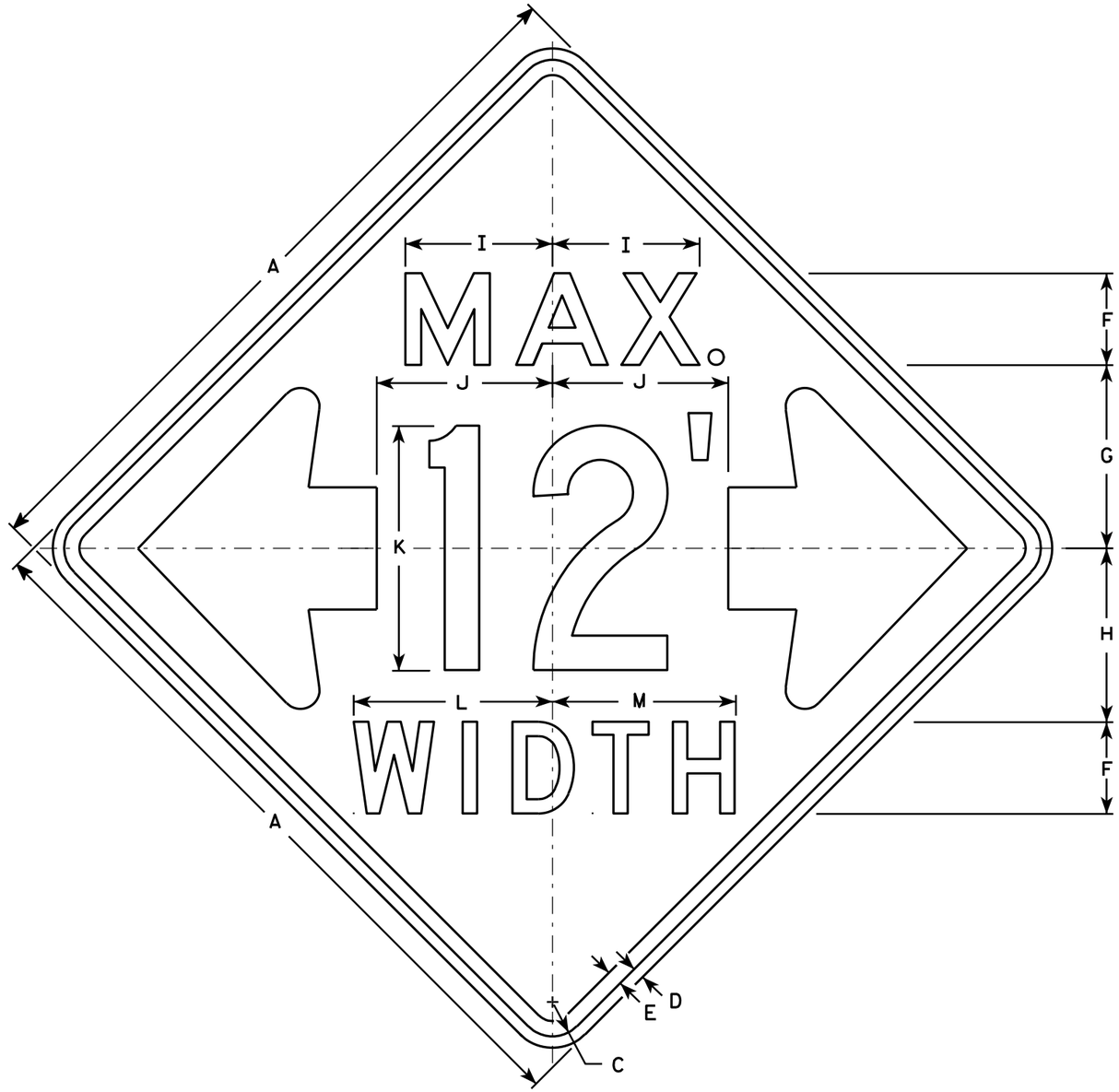
W8-75

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/3/2021 PLATE NO. W8-75.2

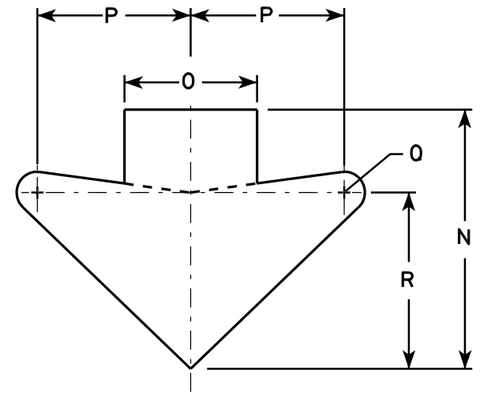
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 371	E



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

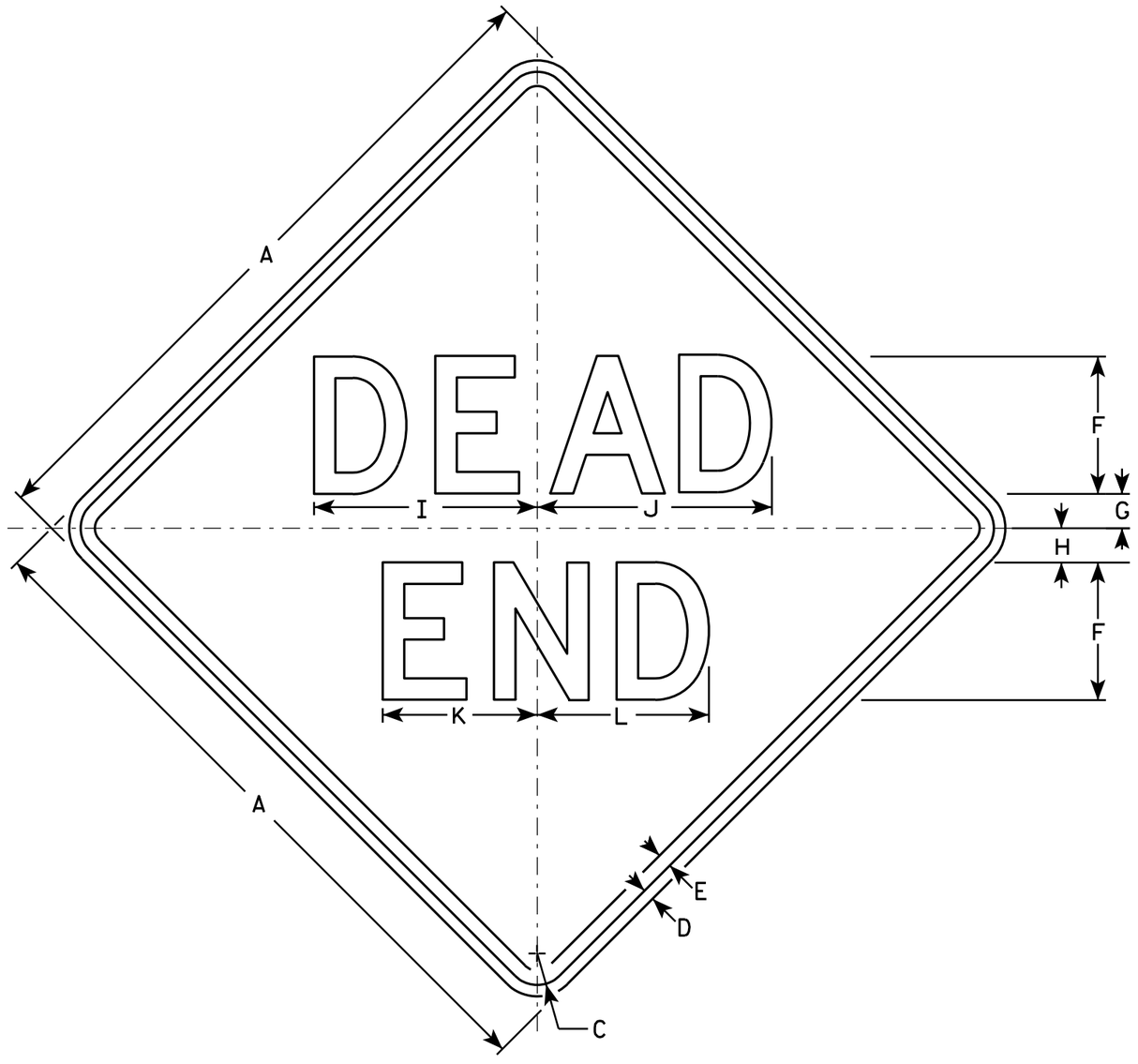
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 372	E

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

7

7



W14-1

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		1 5/8	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

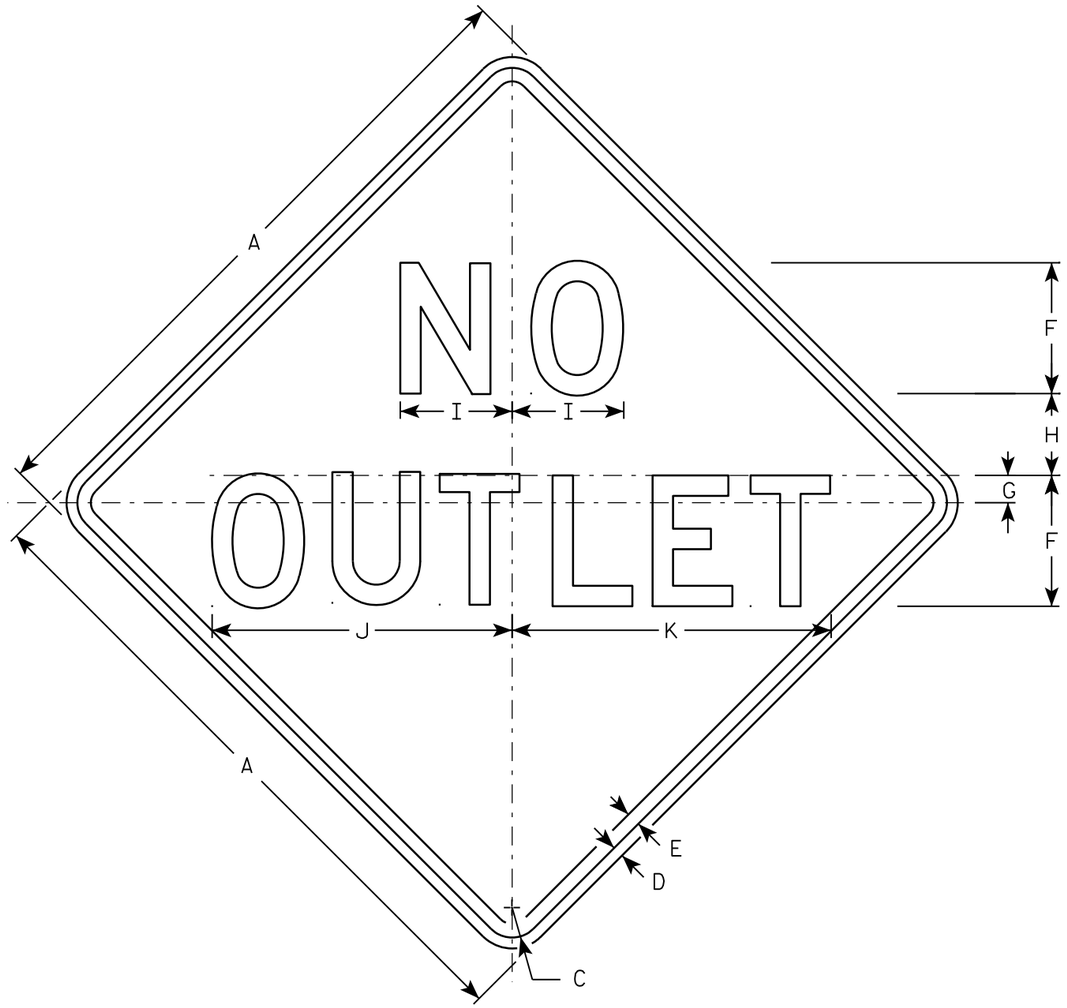
STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 373	E



W14-2

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		1 5/8	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

STANDARD SIGN
W14-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

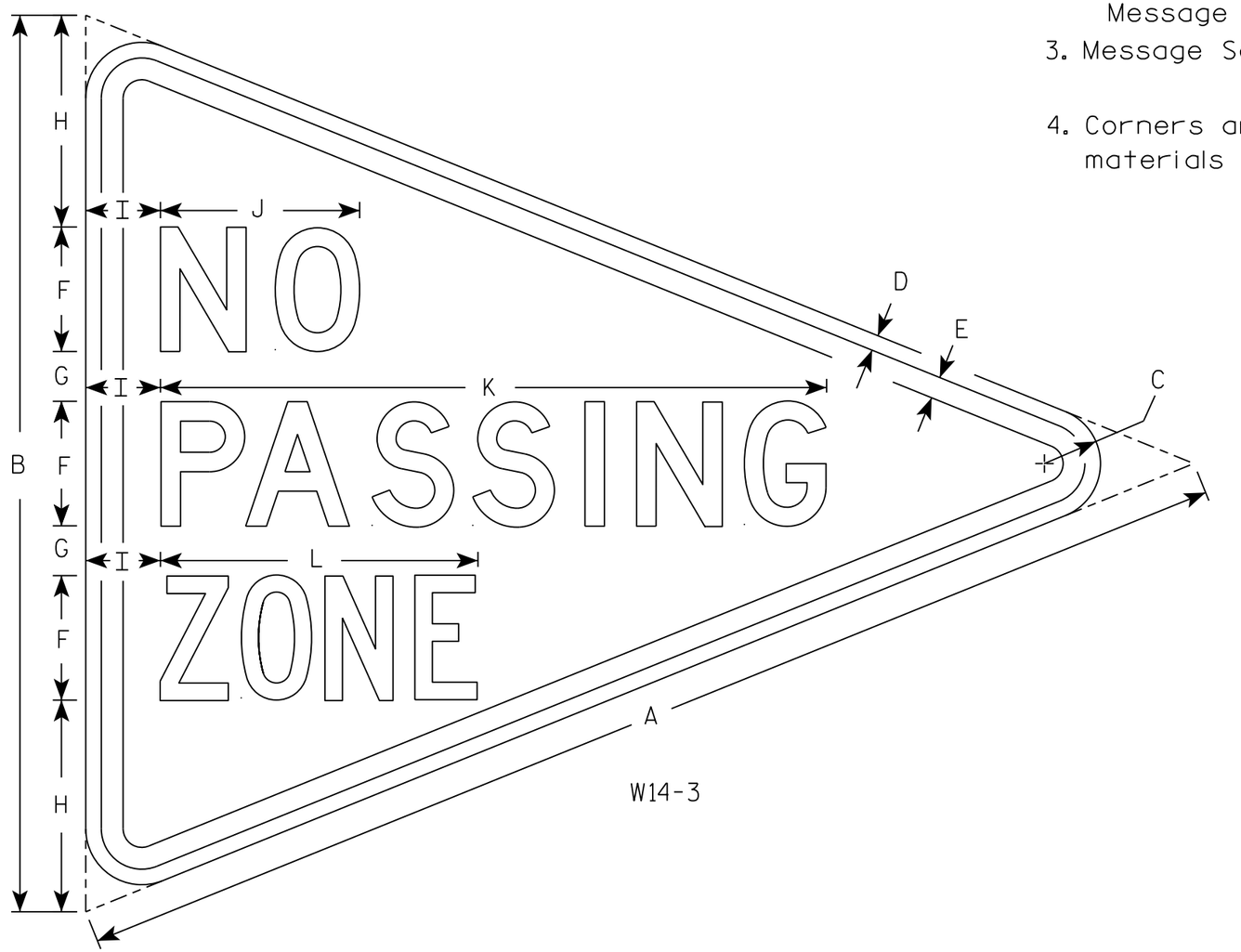
DATE 3/13/13 PLATE NO. W14-2.3

PROJECT NO:

SHEET NO: 374 E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

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	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

STANDARD SIGN
W14-3

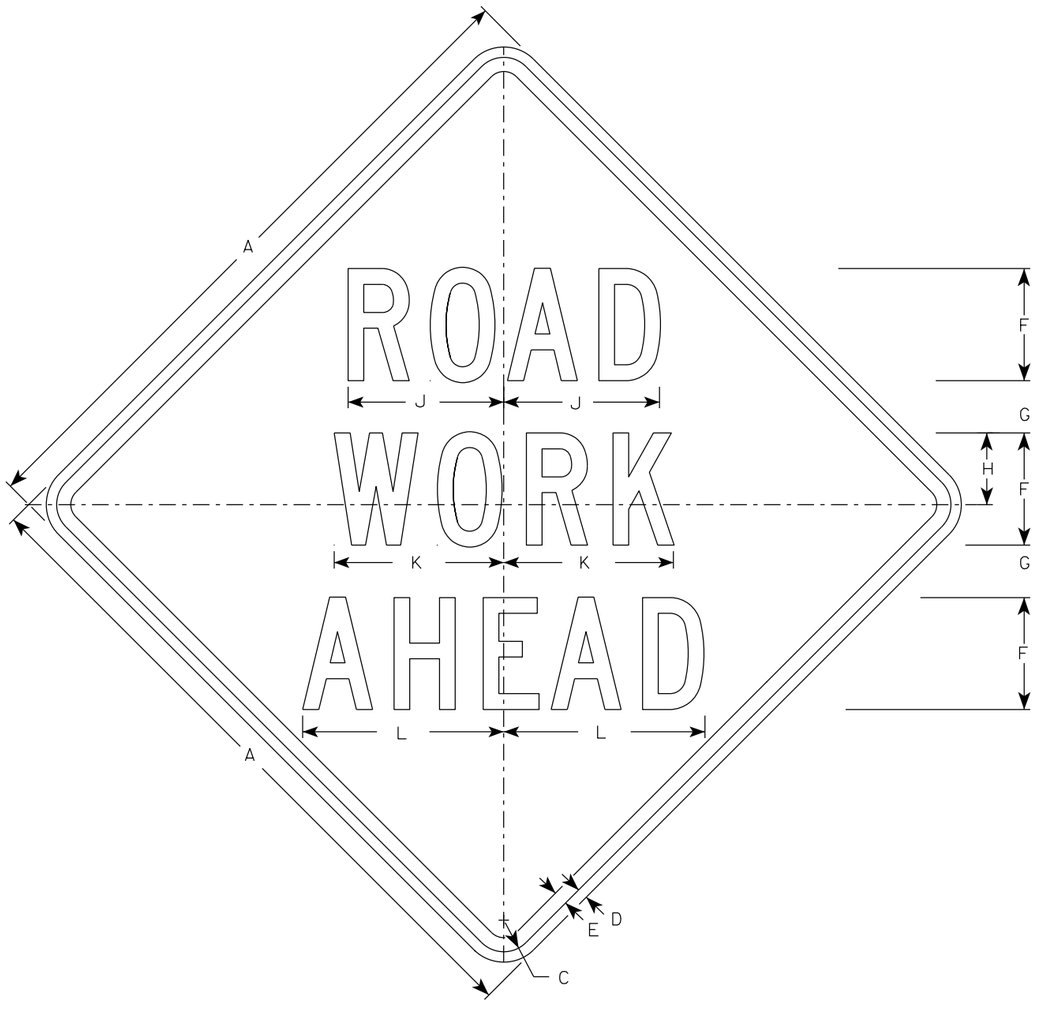
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

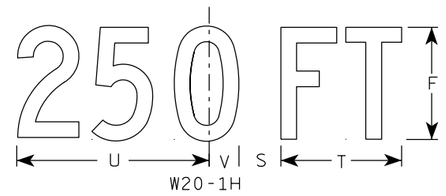
DATE 3/21/17 PLATE NO. W14-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 375 | E

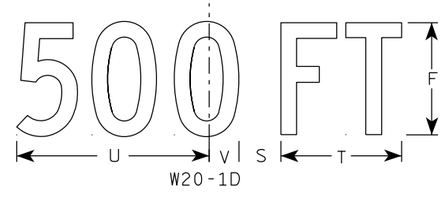
7



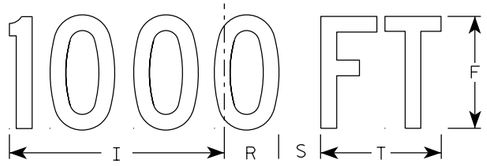
W20-1A



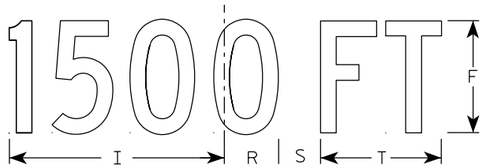
W20-1H



W20-1D



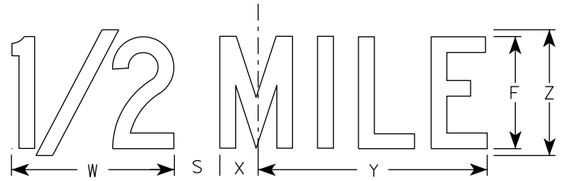
W20-1C



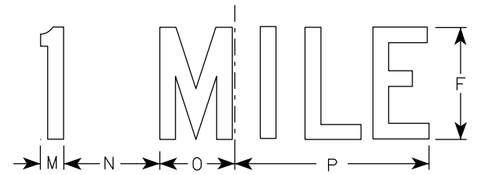
W20-1B

NOTES

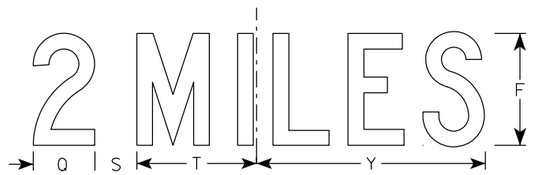
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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:

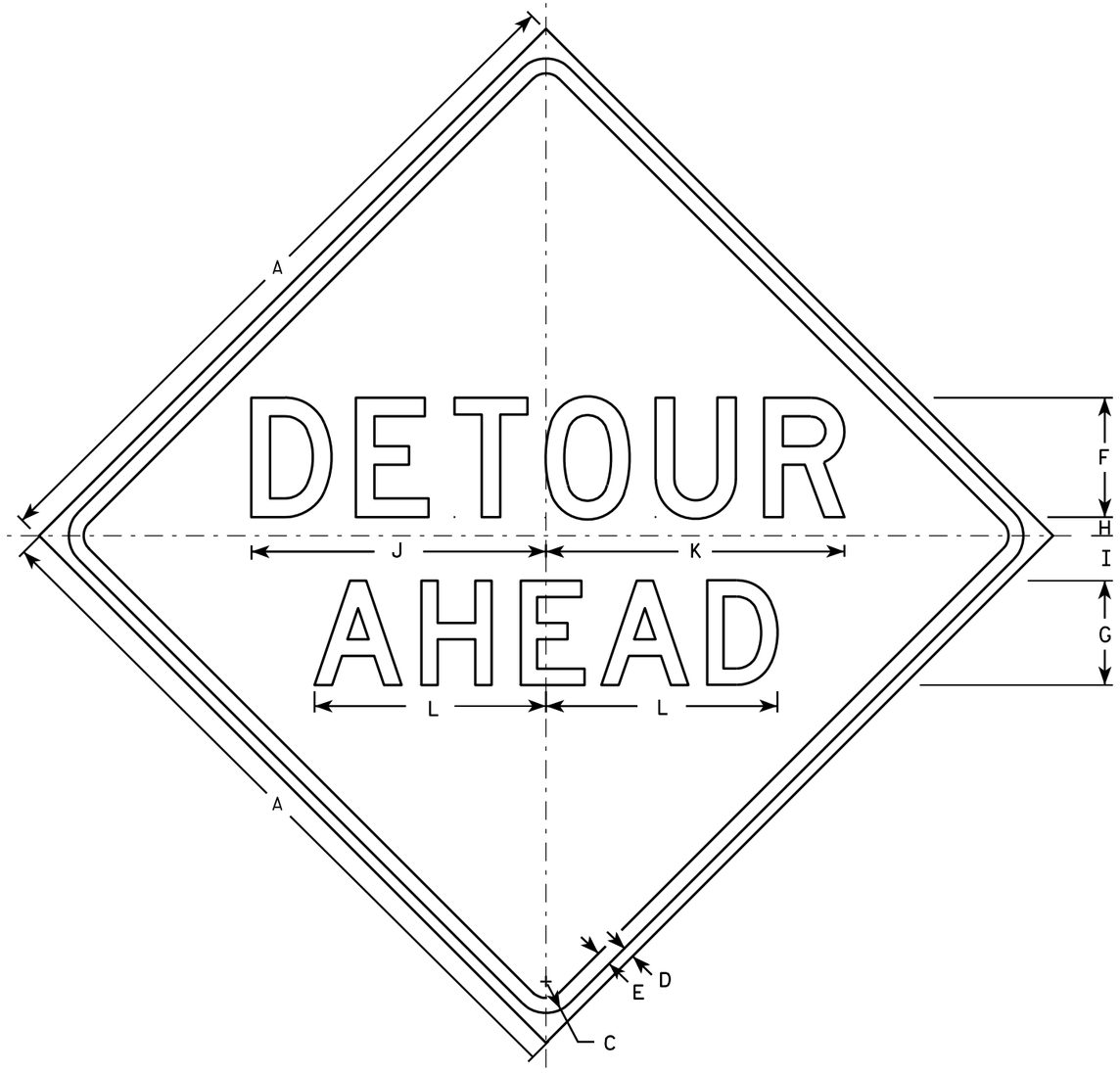
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

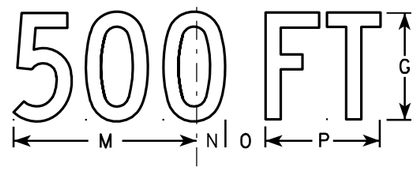
WISDOT/CADDS SHEET 42

7

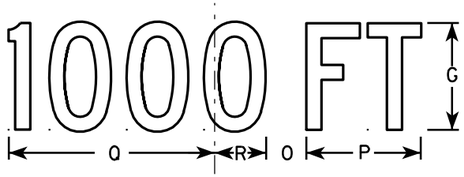
7



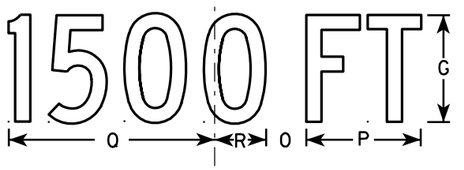
W20-2A



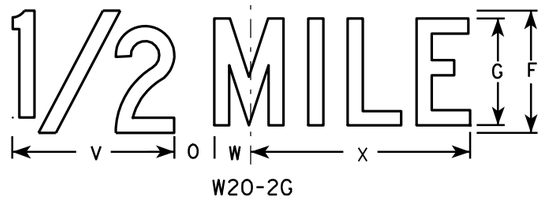
W20-2D



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

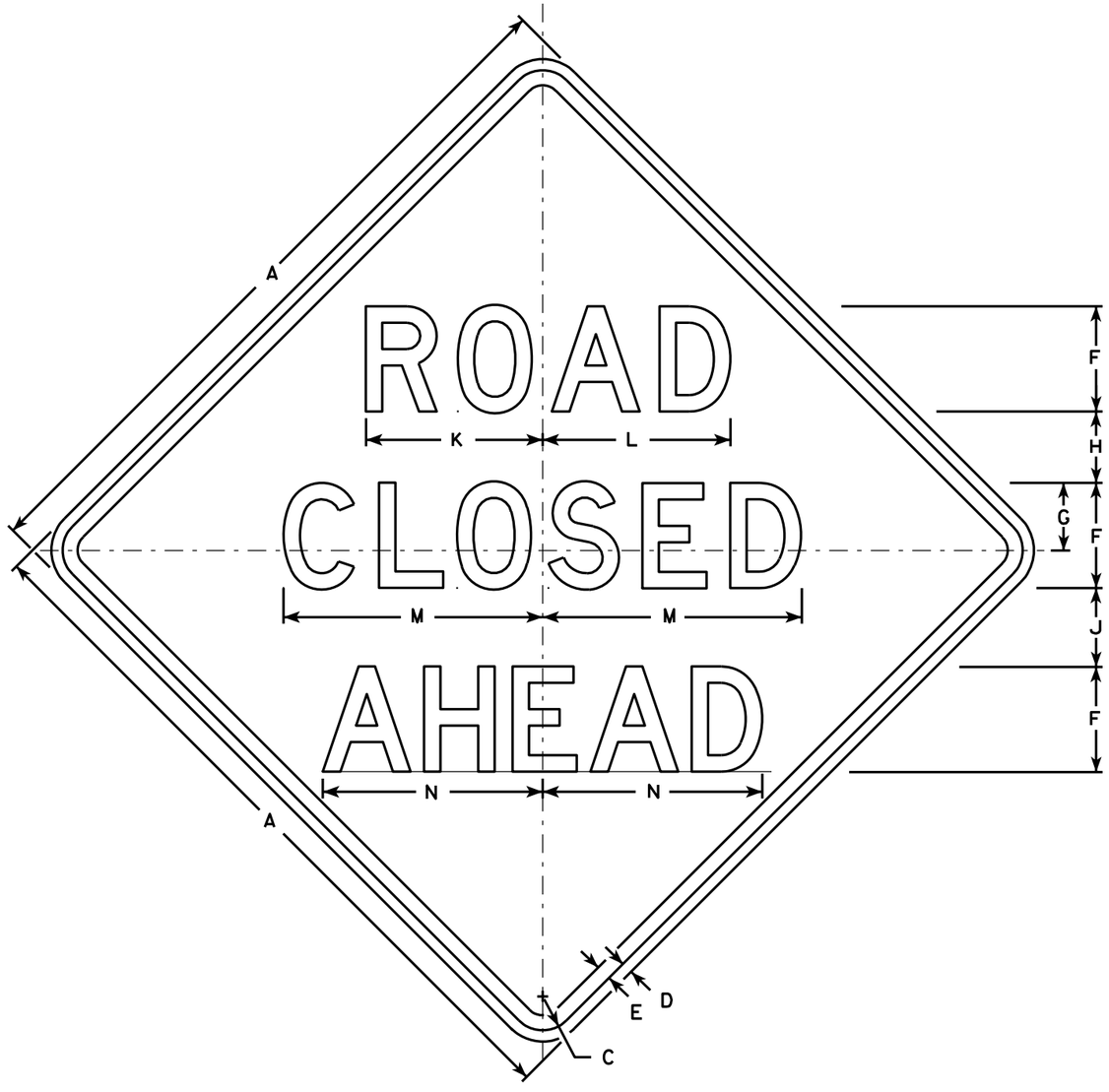
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

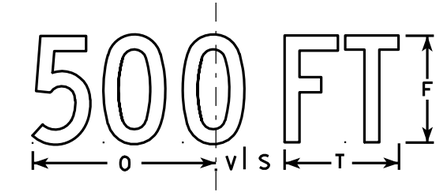
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 377 | E

7

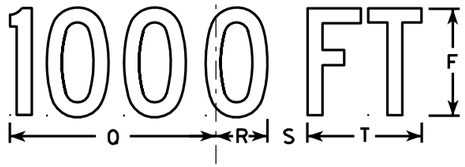
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



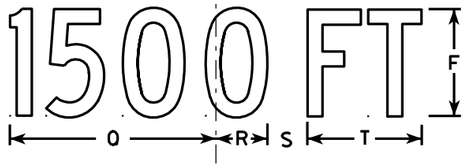
W20-3A



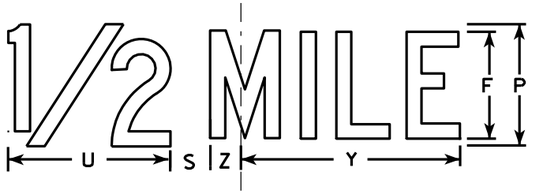
W20-3D



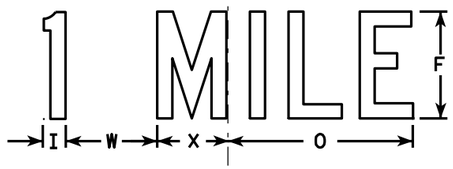
W20-3C



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

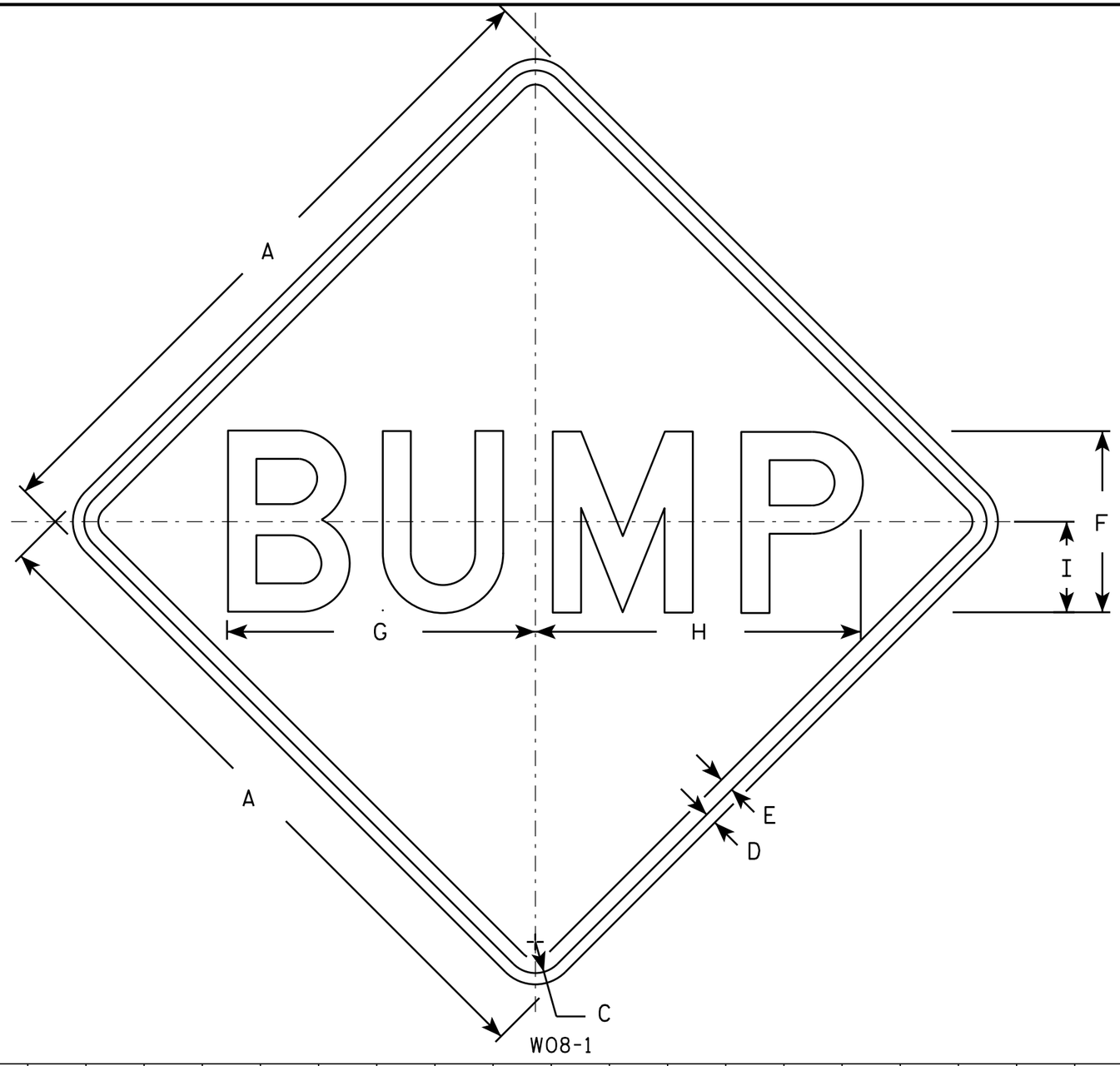
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 378 | E

7

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



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	10	16 7/8	17 7/8	5																		9.0
2S	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0
2M	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0
3	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0
4	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0
5	48		2 1/4	3/4	1	12	20 3/8	21 5/8	6																		16.0

STANDARD SIGN
W08-1

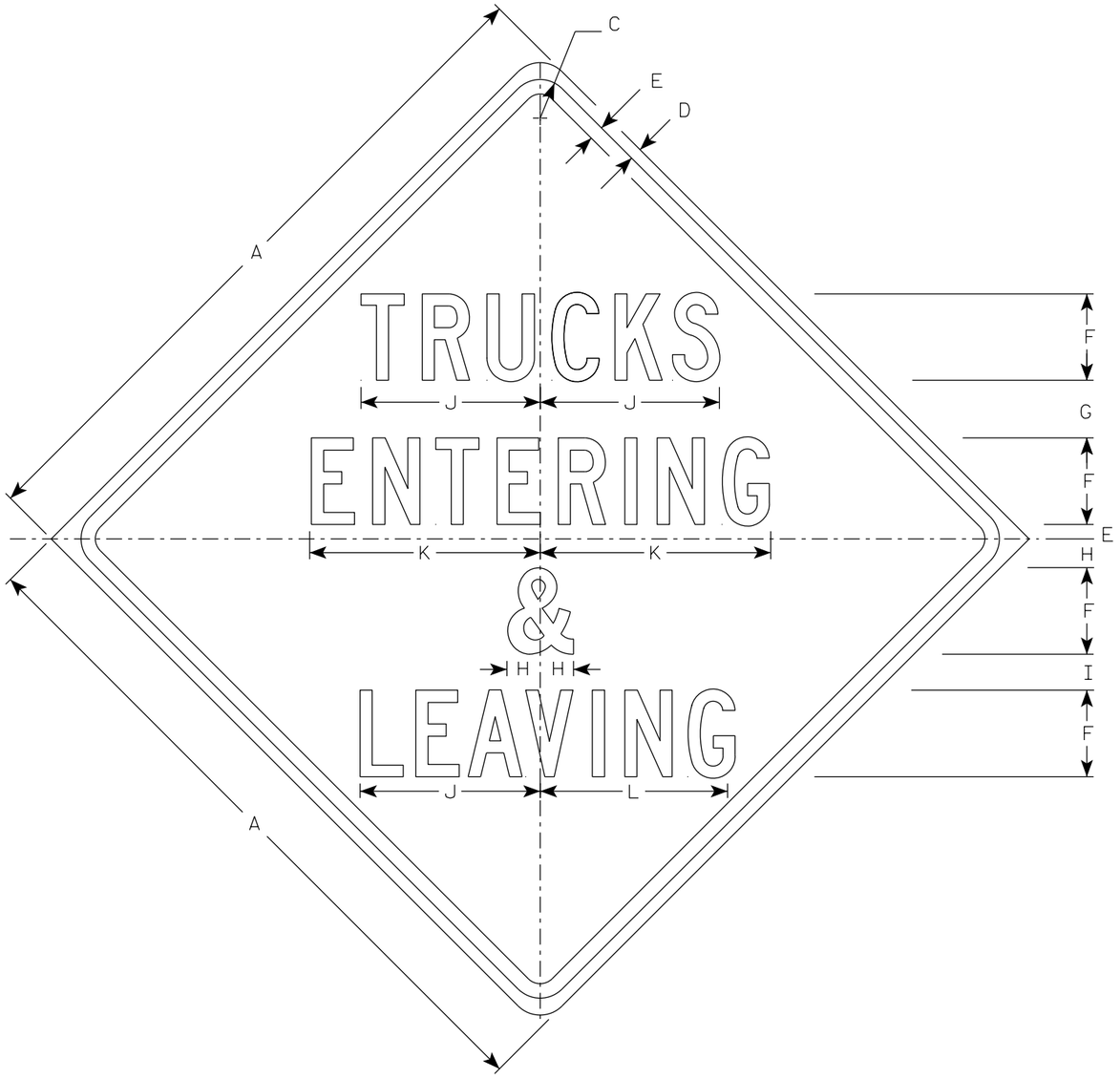
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 1379 W08-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W081.DGN PLOT DATE : 20-NOV-2013 12:24 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.688833:1.000000 WISDOT/CADDS SHEET 42



W08-6A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	4 1/2	3	1 1/2	1 7/8	9 3/8	12	9 3/4															9
2S	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
2M	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
3	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
4	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
5	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16

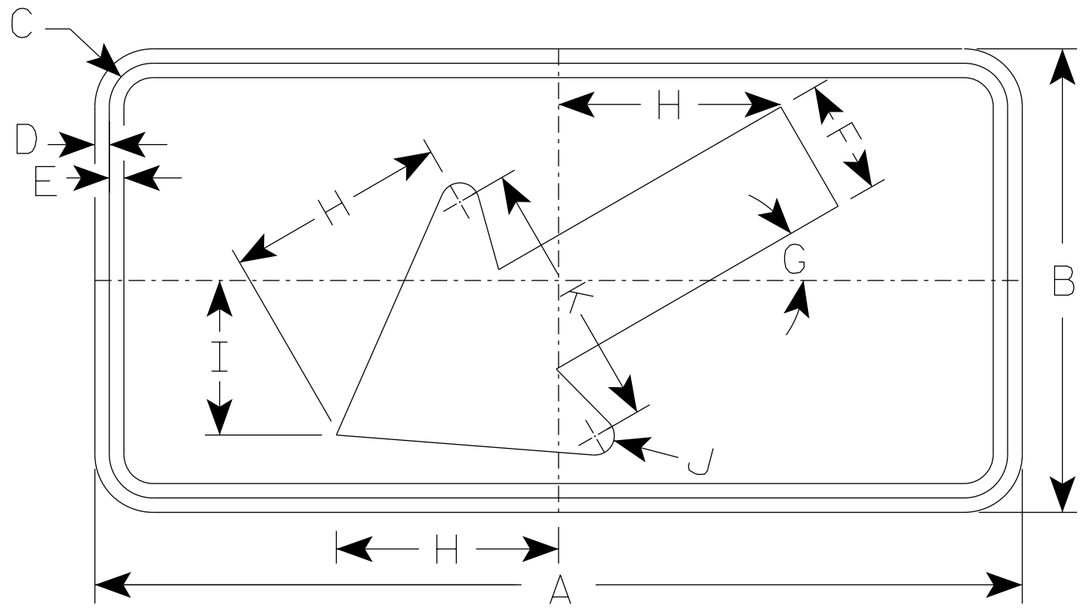
STANDARD SIGN
W08-6A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/15/2020 PLATE NO. W08-6A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 380 E



W016-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded but corners shall be rounded when base material is metal.
4. W016-7R is the same as W016-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2S	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
2M	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0

STANDARD SIGN
W016-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W016-7.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 381	E

Project ID: 1300-09-01
Division 1 - Honey Creek Rd

		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
608+00	0	119.2	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
609+00	100	93.1	0.0	0.0	0.0	0.0	393	0	0	0	0	393	0	0	0	0	0	393
610+00	100	207.4	0.0	0.0	0.0	0.0	556	0	0	0	0	949	0	0	0	0	0	949
611+00	100	95.0	0.0	3.5	0.0	0.0	560	0	6	0	0	1,509	8	0	0	0	0	1,501
611+21	21	44.4	0.0	25.7	0.0	0.0	53	0	11	0	0	1,563	22	0	0	0	0	1,541
612+00	79	12.6	0.0	129.4	0.0	0.0	84	0	228	0	0	1,646	307	0	0	0	0	1,340
612+04	4	12.7	0.0	126.0	0.0	0.0	2	0	19	0	0	1,648	331	0	0	0	0	1,318
613+00	96	143.4	0.0	0.0	0.0	0.0	277	0	224	0	0	1,926	610	0	0	0	0	1,315
614+00	100	18.8	0.0	10.2	0.0	0.0	300	0	19	0	0	2,226	634	0	0	0	0	1,592
615+00	100	3.4	0.0	32.9	0.0	0.0	41	0	80	0	0	2,267	734	0	0	0	0	1,533
616+00	100	3.6	0.0	49.3	0.0	0.0	13	0	152	0	0	2,280	924	0	0	0	0	1,356
617+00	100	1.2	0.0	47.3	0.0	0.0	9	0	179	0	0	2,289	1,148	0	0	0	0	1,141
618+00	100	141.9	0.0	0.0	0.0	0.0	265	0	88	0	0	2,554	1,257	0	0	0	0	1,297
619+00	100	0.0	0.0	0.0	0.0	0.0	263	0	0	0	0	2,817	1,257	0	0	0	0	1,560
620+00	100	155.2	0.0	0.0	0.0	0.0	287	0	0	0	0	3,104	1,257	0	0	0	0	1,847
621+00	100	153.5	0.0	0.0	0.0	0.0	572	0	0	0	0	3,676	1,257	0	0	0	0	2,419
621+38	38	122.2	0.0	0.0	0.0	0.0	196	0	0	0	0	3,872	1,257	0	0	0	0	2,615
621+95	57	157.5	0.0	6.4	0.0	0.0	293	0	7	0	0	4,165	1,265	0	0	0	0	2,900
						Column totals	4,165	0	1,012	0	0							

Project ID: 1300-09-01
Division 1 - Schmidt Dwy

		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
630+45	0	0.0	0.0	139.4	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
631+00	55	0.0	0.0	251.8	0.0	0.0	0	0	398	0	0	0	498	0	0	0	0	-498
631+30	30	0.0	0.0	279.9	0.0	0.0	0	0	293	0	0	0	864	0	0	0	0	-864
632+00	70	0.0	0.0	379.5	0.0	0.0	0	0	858	0	0	0	1,937	0	0	0	0	-1,937
						Column totals	0	0	1,549	0	0							

Project ID: 1300-09-01
Division 1 - CTH O

		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
650+73	0	164.4	0.0	9.6	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
650+92	19	135.2	0.0	4.8	0.0	0.0	106	0	5	0	0	106	6	0	0	0	0	99
651+00	8	147.7	0.0	3.8	0.0	0.0	42	0	1	0	0	147	8	0	0	0	0	139
651+50	50	240.8	0.0	0.0	0.0	0.0	360	0	4	0	0	507	12	0	0	0	0	495
651+92	42	208.7	0.0	0.0	0.0	0.0	348	0	0	0	0	855	12	0	0	0	0	843
652+00	8	192.8	0.0	1.2	0.0	0.0	61	0	0	0	0	916	13	0	0	0	0	903
						Column totals	916	0	10	0	0							

Project ID: 1300-09-01
Division 2 - STH 83

		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
75+50	0	0.0	0.0	1.9	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
75+75	25	0.4	0.0	0.0	0.0	0.0	0	0	1	0	0	0	1	0	0	0	0	-1
76+00	25	0.0	0.0	9.0	0.0	0.0	0	0	4	0	0	0	6	0	0	0	0	-6
76+15	15	17.9	0.0	32.6	0.0	0.0	5	0	12	0	0	5	21	0	0	0	0	-15
76+25	10	19.7	0.0	24.4	0.0	0.0	7	0	11	0	0	12	34	0	0	0	0	-22
76+50	25	6.0	0.0	5.6	0.0	0.0	12	0	14	0	0	24	51	0	0	0	0	-27
76+75	25	1.0	0.0	6.7	0.0	0.0	3	0	6	0	0	27	58	0	0	0	0	-31
77+00	25	0.0	0.0	0.0	0.0	0.0	0	0	3	0	0	28	62	0	0	0	0	-34
102+78	0	0.6	0.0	0.0	0.0	0.0	0	0	0	0	0	28	62	0	0	0	0	-34
103+00	22	0.0	0.0	3.0	0.0	0.0	0	0	1	0	0	28	64	0	0	0	0	-36
103+25	25	1.1	0.0	15.1	0.0	0.0	0	0	8	0	0	29	74	0	0	0	0	-46
103+50	25	3.8	0.0	18.3	0.0	0.0	2	0	15	0	0	31	94	0	0	0	0	-63
103+65	15	3.3	0.0	24.3	0.0	0.0	2	0	12	0	0	33	108	0	0	0	0	-75
103+75	10	4.7	0.0	15.3	0.0	0.0	1	0	7	0	0	34	117	0	0	0	0	-83
104+00	25	2.4	0.0	2.4	0.0	0.0	3	0	8	0	0	38	128	0	0	0	0	-90
104+25	25	2.1	0.0	1.2	0.0	0.0	2	0	2	0	0	40	130	0	0	0	0	-90
104+50	25	1.5	0.0	0.6	0.0	0.0	2	0	1	0	0	41	131	0	0	0	0	-89
104+75	25	0.5	0.0	0.2	0.0	0.0	1	0	0	0	0	42	131	0	0	0	0	-89
105+00	25	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	43	131	0	0	0	0	-89
124+44	0	0.3	0.0	0.3	0.0	0.0	0	0	0	0	0	43	131	0	0	0	0	-89
124+67	23	0.3	0.0	4.1	0.0	0.0	0	0	3	0	0	43	136	0	0	0	0	-93
124+90	23	0.0	0.0	21.8	0.0	0.0	0	0	11	0	0	43	150	0	0	0	0	-107
125+15	25	0.0	0.0	27.0	0.0	10.2	0	0	23	0	5	43	173	0	6	0	4	-130
125+32	17	0.0	0.0	30.1	0.0	12.3	0	0	18	0	7	43	188	0	15	0	9	-145
125+40	8	0.0	0.0	24.6	0.0	10.8	0	0	8	0	3	43	195	0	20	0	12	-152
125+57	17	0.0	0.0	4.8	0.0	7.9	0	0	9	0	6	43	201	0	27	0	17	-158
125+82	25	0.0	0.0	2.3	0.0	2.1	0	0	3	0	5	43	200	0	33	0	21	-157
128+39	0	0.9	0.0	55.3	0.0	0.0	0	0	0	0	0	43	200	0	33	0	21	-157
128+42	3	1.9	0.0	61.8	0.0	0.0	0	0	7	0	0	43	208	0	33	0	21	-165
128+64	22	2.2	0.0	58.4	0.0	0.0	2	0	49	0	0	45	270	0	33	0	21	-225
128+67	3	2.2	0.0	50.6	0.0	0.0	0	0	6	0	0	45	277	0	33	0	21	-232
128+89	22	4.5	0.0	1.6	0.0	0.0	3	0	21	0	0	48	304	0	33	0	21	-256
128+92	3	6.3	0.0	1.1	0.0	0.0	1	0	0	0	0	48	304	0	33	0	21	-256
129+00	8	8.8	0.0	0.6	0.0	0.0	2	0	0	0	0	51	304	0	33	0	21	-254
129+50	50	6.9	0.0	0.0	0.0	0.0	15	0	0	0	0	65	304	0	33	0	21	-239
140+50	0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	65	304	0	33	0	21	-239
140+75	25	6.0	0.0	0.1	0.0	0.0	3	0	0	0	0	68	304	0	33	0	21	-236
141+00	25	16.0	0.0	1.2	0.0	0.0	10	0	1	0	0	78	305	0	33	0	21	-227
141+19	19	5.5	0.0	11.2	0.0	0.0	8	0	4	0	0	86	310	0	33	0	21	-225
141+25	6	4.3	0.0	9.0	0.0	0.0	1	0	2	0	0	87	313	0	33	0	21	-226
141+50	25	0.6	0.0	2.5	0.0	0.0	2	0	5	0	0	89	320	0	33	0	21	-231

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		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
171+25	0	0.0	29.3	0.0	0.0	0.0	0	0	0	0	0	89	320	0	33	0	21	-231
171+50	25	2.7	29.3	0.0	0.0	0.0	1	27	0	0	0	90	320	0	33	0	21	-257
171+75	25	9.9	29.3	0.0	0.0	0.0	6	27	0	0	0	96	320	0	33	0	21	-278
171+90	15	139.7	29.3	0.0	0.0	0.0	42	16	0	0	0	138	320	0	33	0	21	-253
172+00	10	147.6	29.3	0.0	0.0	0.0	53	11	0	0	0	191	320	0	33	0	21	-210
173+00	100	154.4	29.3	1.2	0.0	0.0	559	108	2	0	0	750	323	0	33	0	21	238
174+00	100	128.6	29.3	13.4	0.0	0.0	524	108	27	0	0	1,274	356	0	33	0	21	620
174+88	88	104.6	29.3	31.4	0.0	0.0	381	96	73	0	0	1,655	448	0	33	0	21	814
175+00	12	96.5	26.8	24.9	0.0	0.0	43	12	12	0	0	1,699	463	0	33	0	21	830
176+00	100	42.1	26.8	22.6	0.0	0.0	257	99	88	0	0	1,955	573	0	33	0	21	878
177+00	100	23.1	26.8	22.7	0.0	0.0	121	99	84	0	0	2,076	678	0	33	0	21	795
178+00	100	148.9	26.8	0.0	0.0	0.0	319	99	42	0	0	2,395	730	0	33	0	21	962
179+00	100	355.1	26.8	0.0	0.0	0.0	933	99	0	0	0	3,328	730	0	33	0	21	1,796
180+00	100	371.9	32.0	0.0	0.0	0.0	1,346	109	0	0	0	4,674	730	0	33	0	21	3,033
181+00	100	195.7	32.0	0.0	0.0	0.0	1,051	119	0	0	0	5,725	730	0	33	0	21	3,966
182+00	100	85.7	32.0	8.3	0.0	0.0	521	119	15	0	0	6,246	749	0	33	0	21	4,349
183+00	100	79.5	32.0	4.9	0.0	0.0	306	119	24	0	0	6,552	780	0	33	0	21	4,506
184+00	100	131.5	32.0	1.7	0.0	13.0	391	119	12	0	24	6,943	771	0	65	0	40	4,787
184+89	89	277.9	32.0	3.2	0.0	0.0	677	106	8	0	22	7,620	759	0	93	0	57	5,370
185+00	11	302.2	31.5	0.0	0.0	0.0	114	13	1	0	0	7,735	760	0	93	0	57	5,471
185+27	27	341.9	31.5	0.0	0.0	0.0	324	32	0	0	0	8,059	760	0	93	0	57	5,764
186+00	73	250.4	31.5	0.0	0.0	0.0	799	85	0	0	0	8,858	760	0	93	0	57	6,478
187+00	100	239.6	31.5	0.7	0.0	0.0	907	117	1	0	0	9,765	762	0	93	0	57	7,267
188+00	100	73.7	31.5	135.4	0.0	0.0	580	117	252	0	0	10,345	1,077	0	93	0	57	7,415
188+11	11	66.5	31.5	138.4	0.0	0.0	27	12	54	0	0	10,373	1,144	0	93	0	57	7,363
189+00	89	26.4	32.0	131.2	0.0	0.0	154	105	446	0	0	10,526	1,702	0	93	0	57	6,854
190+00	100	38.5	32.0	32.5	0.0	0.0	120	119	303	0	0	10,647	2,081	0	93	0	57	6,477
190+67	67	94.3	32.0	0.0	0.0	0.0	164	79	40	0	0	10,811	2,131	0	93	0	57	6,512
191+00	33	146.3	32.0	0.0	0.0	0.0	148	39	0	0	0	10,959	2,131	0	93	0	57	6,620
192+00	100	113.8	32.0	0.0	0.0	0.0	482	119	0	0	0	11,440	2,131	0	93	0	57	6,983
193+00	100	60.3	32.0	12.0	0.0	0.0	323	119	22	0	0	11,763	2,159	0	93	0	57	7,159
194+00	100	61.4	32.0	14.8	0.0	0.0	225	119	50	0	0	11,988	2,221	0	93	0	57	7,204
195+00	100	76.2	32.0	9.3	0.0	0.0	255	119	45	0	0	12,243	2,276	0	93	0	57	7,285
196+00	100	135.4	31.5	0.0	0.0	0.0	392	118	17	0	0	12,635	2,298	0	93	0	57	7,538
197+00	100	247.2	31.5	0.0	0.0	0.0	709	117	0	0	0	13,343	2,298	0	93	0	57	8,129
197+82	82	307.3	31.5	0.0	0.0	0.0	841	96	0	0	0	14,184	2,298	0	93	0	57	8,875
198+00	18	298.6	31.5	0.0	0.0	0.0	204	21	0	0	0	14,388	2,298	0	93	0	57	9,057
199+00	100	130.8	31.5	9.4	0.0	0.0	795	117	17	0	0	15,183	2,320	0	93	0	57	9,714
199+47	47	119.5	31.5	33.2	0.0	0.0	216	54	37	0	0	15,399	2,365	0	93	0	57	9,829
200+00	53	130.9	31.5	10.4	0.0	0.0	248	62	43	0	0	15,646	2,419	0	93	0	57	9,961
201+00	100	348.0	26.8	0.0	0.0	0.0	887	108	19	0	0	16,533	2,444	0	93	0	57	10,715
202+00	100	555.7	26.8	0.0	0.0	0.0	1,673	99	0	0	0	18,206	2,444	0	93	0	57	12,290
203+00	100	655.1	26.8	0.0	0.0	0.0	2,242	99	0	0	0	20,449	2,444	0	93	0	57	14,433
203+74	74	549.0	26.8	0.0	0.0	0.0	1,652	73	0	0	0	22,101	2,444	0	93	0	57	16,012
203+93	19	458.2	26.8	0.0	0.0	0.0	350	19	0	0	0	22,451	2,444	0	93	0	57	16,343
204+00	7	436.1	23.5	0.0	0.0	0.0	118	7	0	0	0	22,569	2,444	0	93	0	57	16,455
204+50	50	171.8	23.5	0.5	0.0	0.0	563	44	0	0	0	23,132	2,444	0	93	0	57	16,974
204+79	29	93.9	23.5	35.8	0.0	0.0	144	26	20	0	0	23,276	2,469	0	93	0	57	17,068
205+00	21	82.6	23.5	94.3	0.0	0.0	68	18	50	0	0	23,344	2,531	0	93	0	57	17,055
205+04	4	80.5	23.5	94.0	0.0	0.0	13	4	15	0	0	23,357	2,550	0	93	0	57	17,046
205+29	25	65.8	23.5	83.1	161.5	0.0	68	22	82	75	0	23,424	2,596	112	93	45	57	17,045
205+39	9	64.3	23.5	69.9	169.1	0.0	23	8	27	58	0	23,447	2,586	199	93	80	57	17,070

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		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
205+50	11	61.5	23.5	78.0	173.5	0.0	26	10	31	72	0	23,473	2,571	307	93	123	57	17,101
206+00	50	57.7	23.5	60.2	168.6	0.0	110	44	128	317	0	23,584	2,493	782	93	313	57	17,246
206+32	32	53.9	23.5	46.0	166.5	0.0	66	28	63	199	0	23,650	2,423	1,080	93	432	57	17,354
206+50	18	52.9	23.5	45.1	164.6	0.0	36	16	30	110	0	23,686	2,378	1,246	93	498	57	17,419
207+00	50	59.2	23.5	44.7	0.0	0.0	104	44	83	152	0	23,789	2,368	1,474	93	590	57	17,490
207+14	14	62.8	23.5	39.3	0.0	0.0	31	12	21	0	0	23,820	2,394	1,474	93	590	57	17,482
207+70	56	88.2	23.5	88.4	0.0	0.0	157	49	133	0	0	23,978	2,561	1,474	93	590	57	17,424
207+75	5	96.3	26.0	90.5	0.0	0.0	17	5	17	0	0	23,995	2,581	1,474	93	590	57	17,416
207+95	20	89.2	26.0	100.8	0.0	0.0	69	19	71	0	0	24,064	2,670	1,474	93	590	57	17,377
208+00	5	92.4	26.0	97.6	0.0	0.0	17	5	18	0	0	24,080	2,693	1,474	93	590	57	17,366
208+20	20	101.4	26.0	94.5	0.0	0.0	72	19	71	0	0	24,152	2,782	1,474	93	590	57	17,329
208+67	47	112.9	26.0	152.7	0.0	0.0	188	46	217	0	0	24,340	3,053	1,474	93	590	57	17,201
209+00	33	151.7	26.0	47.3	0.0	0.0	160	31	121	0	0	24,500	3,204	1,474	93	590	57	17,178
210+00	100	280.6	26.0	0.0	0.0	0.0	801	96	88	0	0	25,301	3,313	1,474	93	590	57	17,773
211+00	100	592.7	26.0	0.0	0.0	0.0	1,617	96	0	0	0	26,918	3,313	1,474	93	590	57	19,294
212+00	100	622.0	26.0	0.0	0.0	0.0	2,249	96	0	0	0	29,167	3,313	1,474	93	590	57	21,447
212+72	72	518.0	26.0	0.0	0.0	0.0	1,529	70	0	0	0	30,696	3,313	1,474	93	590	57	22,906
213+00	28	466.4	26.0	0.0	0.0	0.0	503	27	0	0	0	31,199	3,313	1,474	93	590	57	23,382
214+00	100	263.7	26.0	0.0	0.0	0.0	1,352	96	0	0	0	32,551	3,313	1,474	93	590	57	24,638
215+00	100	148.4	36.5	2.0	0.0	0.0	763	116	4	0	0	33,314	3,318	1,474	93	590	57	25,281
216+00	100	123.9	36.5	6.3	0.0	0.0	504	135	15	0	0	33,818	3,337	1,474	93	590	57	25,631
217+00	100	126.7	36.5	7.8	0.0	0.0	464	135	26	0	0	34,282	3,370	1,474	93	590	57	25,927
217+90	90	119.9	36.5	0.4	0.0	0.0	411	122	14	0	0	34,693	3,387	1,474	93	590	57	26,199
238+50	0	115.5	31.5	23.2	0.0	0.0	0	0	0	0	0	34,693	3,387	1,474	93	590	57	26,199
238+56	6	114.7	31.5	21.0	0.0	0.0	26	7	5	0	0	34,720	3,393	1,474	93	590	57	26,212
239+00	44	124.3	32.8	20.9	0.0	0.0	194	52	34	0	0	34,914	3,436	1,474	93	590	57	26,311
239+50	50	118.2	32.8	18.3	0.0	0.0	226	61	37	0	0	35,140	3,481	1,474	93	590	57	26,431
240+00	50	113.8	32.8	26.0	0.0	0.0	213	60	41	0	0	35,353	3,532	1,474	93	590	57	26,533
241+00	100	96.6	32.8	28.5	32.0	0.0	390	121	101	59	0	35,742	3,614	1,563	93	625	57	26,719
242+00	100	70.9	32.8	55.0	106.6	0.0	310	121	155	257	0	36,053	3,615	1,948	93	779	57	26,907
243+00	100	57.9	32.8	69.4	85.7	0.0	238	121	230	356	0	36,291	3,636	2,482	93	993	57	27,004
244+00	100	46.4	31.5	91.8	105.9	0.0	193	119	298	355	0	36,484	3,743	3,014	93	1,206	57	26,971
245+00	100	48.8	31.5	85.6	58.3	0.0	176	117	329	304	0	36,661	3,925	3,470	93	1,388	57	26,848
246+00	100	76.8	31.5	92.1	71.1	0.0	233	117	329	240	0	36,893	4,157	3,830	93	1,532	57	26,732
246+20	20	82.5	31.5	90.5	103.4	0.0	59	23	67	64	0	36,952	4,193	3,926	93	1,571	57	26,732
246+45	25	90.8	31.5	71.5	73.2	0.0	80	29	75	82	0	37,032	4,225	4,049	93	1,620	57	26,750
246+70	25	108.3	31.5	30.2	32.1	0.0	92	29	47	49	0	37,124	4,248	4,122	93	1,649	57	26,791
246+93	23	112.7	39.0	26.1	32.0	0.0	93	30	24	27	0	37,217	4,257	4,162	93	1,665	57	26,845
247+00	8	126.7	39.0	11.2	32.2	0.0	33	11	5	9	0	37,250	4,257	4,175	93	1,670	57	26,867
247+18	18	127.6	39.0	10.8	0.0	0.0	83	26	7	11	0	37,333	4,258	4,191	93	1,677	57	26,924
247+43	25	137.2	39.0	2.2	0.0	0.0	124	37	6	0	0	37,457	4,266	4,191	93	1,677	57	27,004
247+68	25	151.0	39.0	0.0	0.0	0.0	135	37	1	0	0	37,592	4,267	4,191	93	1,677	57	27,101
248+00	32	161.8	39.0	0.0	0.0	0.0	184	46	0	0	0	37,776	4,267	4,191	93	1,677	57	27,239
248+48	48	185.2	39.0	156.4	0.0	0.0	305	69	138	0	0	38,081	4,439	4,191	93	1,677	57	27,304
249+00	52	146.1	39.0	80.6	0.0	0.0	322	76	230	0	0	38,403	4,727	4,191	93	1,677	57	27,262
249+10	10	160.2	39.0	0.5	0.0	0.0	58	15	15	0	0	38,461	4,746	4,191	93	1,677	57	27,286
249+35	25	218.9	39.0	0.0	0.0	0.0	172	35	0	0	0	38,633	4,746	4,191	93	1,677	57	27,422
249+59	25	293.6	39.0	0.0	0.0	0.0	233	35	0	0	0	38,866	4,746	4,191	93	1,677	57	27,619
250+00	41	185.8	39.0	0.0	0.0	0.0	362	59	0	0	0	39,228	4,746	4,191	93	1,677	57	27,923
250+50	50	219.3	39.0	0.0	0.0	0.0	375	72	0	0	0	39,603	4,746	4,191	93	1,677	57	28,226
250+90	40	238.5	34.0	0.0	0.0	0.0	337	54	0	0	0	39,940	4,746	4,191	93	1,677	57	28,509

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		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
251+00	10	244.3	34.0	0.0	0.0	0.0	92	13	0	0	0	40,032	4,746	4,191	93	1,677	57	28,588
251+55	55	292.2	34.0	0.0	0.0	0.0	550	70	0	0	0	40,582	4,746	4,191	93	1,677	57	29,068
251+58	2	299.5	34.0	0.0	0.0	0.0	26	3	0	0	0	40,608	4,746	4,191	93	1,677	57	29,091
251+76	19	333.0	34.0	0.5	0.0	0.0	219	24	0	0	0	40,827	4,746	4,191	93	1,677	57	29,286
252+00	24	343.0	34.0	1.9	0.0	0.0	295	30	1	0	0	41,122	4,748	4,191	93	1,677	57	29,550
252+02	2	344.1	34.0	2.0	0.0	0.0	24	2	0	0	0	41,146	4,748	4,191	93	1,677	57	29,572
252+27	25	356.6	34.0	3.0	0.0	0.0	330	32	2	0	0	41,476	4,751	4,191	93	1,677	57	29,867
252+50	23	338.0	34.0	3.6	0.0	0.0	291	29	3	0	0	41,768	4,754	4,191	93	1,677	57	30,127
253+00	50	285.6	34.0	1.2	0.0	0.0	577	63	4	0	0	42,345	4,760	4,191	93	1,677	57	30,636
253+27	27	298.6	34.0	0.0	0.0	0.0	297	35	1	0	0	42,642	4,760	4,191	93	1,677	57	30,897
254+00	73	162.9	34.0	1.1	0.0	0.0	620	91	2	0	0	43,262	4,762	4,191	93	1,677	57	31,424
255+00	100	160.7	34.0	15.6	0.0	0.0	599	126	31	0	0	43,862	4,801	4,191	93	1,677	57	31,859
255+10	10	150.4	34.0	11.1	0.0	0.0	58	13	5	0	0	43,919	4,807	4,191	93	1,677	57	31,898
256+00	90	159.2	34.0	0.0	0.0	0.0	516	113	18	0	0	44,435	4,830	4,191	93	1,677	57	32,277
257+00	100	205.3	34.0	0.0	0.0	0.0	675	126	0	0	0	45,110	4,830	4,191	93	1,677	57	32,826
258+00	100	117.0	34.0	6.5	0.0	0.0	597	126	12	0	0	45,707	4,845	4,191	93	1,677	57	33,282
258+40	0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	45,707	4,845	4,191	93	1,677	57	33,282
258+50	10	4.2	0.0	0.3	0.0	0.0	1	0	0	0	0	45,708	4,845	4,191	93	1,677	57	33,283
258+64	14	0.8	0.0	19.5	0.0	0.0	1	0	5	0	0	45,709	4,852	4,191	93	1,677	57	33,277
258+75	11	2.0	0.0	5.7	0.0	0.0	1	0	5	0	0	45,709	4,858	4,191	93	1,677	57	33,272
258+85	10	0.0	0.0	0.0	0.0	0.0	0	0	1	0	0	45,710	4,860	4,191	93	1,677	57	33,271
292+00	0	116.8	31.5	6.3	0.0	0.0	0	0	0	0	0	45,710	4,860	4,191	93	1,677	57	33,271
293+00	100	116.5	31.5	25.3	0.0	0.0	432	117	58	0	0	46,142	4,933	4,191	93	1,677	57	33,513
294+00	100	102.6	31.5	62.5	0.0	7.7	406	117	163	0	14	46,547	5,122	4,191	111	1,677	69	33,613
295+00	100	82.9	31.5	95.9	0.0	19.5	343	117	293	0	50	46,891	5,438	4,191	177	1,677	109	33,523
296+00	100	53.9	33.5	94.2	0.0	0.0	253	120	352	0	36	47,144	5,842	4,191	224	1,677	138	33,252
297+00	100	54.6	33.5	12.1	0.0	0.0	201	124	197	0	0	47,345	6,088	4,191	224	1,677	138	33,083
297+17	17	54.2	33.5	8.2	0.0	0.0	34	21	6	0	0	47,379	6,096	4,191	224	1,677	138	33,088
297+35	18	54.3	33.5	11.2	0.0	0.0	36	22	6	0	0	47,415	6,104	4,191	224	1,677	138	33,094
298+00	65	50.2	33.5	29.8	0.0	0.0	126	81	49	0	0	47,541	6,166	4,191	224	1,677	138	33,077
298+07	7	50.5	33.5	28.7	0.0	0.0	14	9	8	0	0	47,555	6,176	4,191	224	1,677	138	33,072
299+00	93	72.3	33.5	42.3	0.0	0.0	211	115	122	0	0	47,765	6,328	4,191	224	1,677	138	33,015
299+25	25	72.6	33.5	30.7	0.0	0.0	67	31	34	0	0	47,832	6,370	4,191	224	1,677	138	33,009
299+50	25	74.3	33.5	28.7	0.0	0.0	67	31	27	0	0	47,899	6,404	4,191	224	1,677	138	33,012
300+00	51	79.3	33.5	84.5	0.0	0.0	144	63	106	0	0	48,043	6,536	4,191	224	1,677	138	32,960
301+00	100	72.3	33.5	123.7	0.0	0.0	281	124	386	0	0	48,324	7,018	4,191	224	1,677	138	32,635
302+00	100	88.7	33.5	39.4	0.0	0.0	298	124	302	0	0	48,622	7,396	4,191	224	1,677	138	32,432
303+00	100	90.7	33.5	48.1	0.0	0.0	332	124	162	0	0	48,954	7,598	4,191	224	1,677	138	32,437
304+00	100	71.9	33.5	88.5	0.0	0.0	301	124	253	0	0	49,255	7,914	4,191	224	1,677	138	32,298
305+00	100	79.4	33.5	105.2	0.0	0.0	280	124	359	0	0	49,535	8,362	4,191	224	1,677	138	32,006
305+90	90	90.3	33.5	64.8	0.0	0.0	283	112	283	0	0	49,818	8,717	4,191	224	1,677	138	31,823
306+00	10	92.2	33.5	37.4	0.0	0.0	34	12	19	0	0	49,852	8,740	4,191	224	1,677	138	31,821
306+20	20	98.9	33.5	15.8	0.0	0.0	71	25	20	0	0	49,922	8,765	4,191	224	1,677	138	31,842
306+45	25	131.2	33.5	10.0	0.0	0.0	107	31	12	0	0	50,030	8,780	4,191	224	1,677	138	31,903
306+70	25	144.1	33.5	13.9	0.0	0.0	128	31	11	0	0	50,158	8,794	4,191	224	1,677	138	31,986
307+00	30	145.0	33.5	2.9	0.0	0.0	159	37	9	0	0	50,317	8,805	4,191	224	1,677	138	32,097
307+35	35	134.3	33.5	1.5	0.0	0.0	181	43	3	0	0	50,498	8,809	4,191	224	1,677	138	32,231
308+00	65	103.3	33.5	9.0	0.0	0.0	286	81	13	0	0	50,784	8,825	4,191	224	1,677	138	32,420
308+54	54	125.9	33.5	24.1	0.0	0.0	229	67	33	0	0	51,013	8,866	4,191	224	1,677	138	32,541
309+00	46	135.6	33.5	7.1	0.0	0.0	223	57	27	0	0	51,236	8,899	4,191	224	1,677	138	32,674

Project ID: 1300-09-01
Division 2 - STH 83

		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
310+00	100	115.2	33.5	8.0	0.0	0.0	465	124	28	0	0	51,700	8,934	4,191	224	1,677	138	32,979
311+00	100	110.0	33.5	9.3	0.0	0.0	417	124	32	0	0	52,117	8,974	4,191	224	1,677	138	33,232
312+00	100	114.7	33.5	8.5	0.0	0.0	416	124	33	0	0	52,533	9,015	4,191	224	1,677	138	33,483
313+00	100	111.2	33.5	17.2	0.0	0.0	418	124	48	0	0	52,952	9,075	4,191	224	1,677	138	33,718
314+00	100	101.5	33.5	49.4	0.0	0.0	394	124	123	0	0	53,346	9,229	4,191	224	1,677	138	33,834
315+00	100	95.6	33.5	33.8	0.0	0.0	365	124	154	0	0	53,711	9,421	4,191	224	1,677	138	33,882
316+00	100	79.5	33.5	22.1	0.0	0.0	324	124	103	0	0	54,035	9,551	4,191	224	1,677	138	33,953
317+00	100	62.3	33.5	31.4	0.0	0.0	263	124	99	0	0	54,297	9,674	4,191	224	1,677	138	33,968
318+00	100	48.2	33.5	40.4	0.0	0.0	205	124	133	0	0	54,502	9,840	4,191	224	1,677	138	33,882
318+21	21	52.0	33.5	14.2	0.0	0.0	39	26	21	0	0	54,541	9,867	4,191	224	1,677	138	33,869
318+43	22	38.5	33.5	45.8	0.0	0.0	36	27	24	0	0	54,577	9,897	4,191	224	1,677	138	33,848
319+00	57	62.5	33.5	44.2	0.0	0.0	107	71	95	0	0	54,685	10,016	4,191	224	1,677	138	33,765
320+00	100	111.9	33.5	7.4	0.0	0.0	323	124	95	0	0	55,008	10,136	4,191	224	1,677	138	33,844
321+00	100	163.1	33.5	0.3	0.0	0.0	509	124	14	0	0	55,517	10,153	4,191	224	1,677	138	34,212
321+83	83	170.6	33.5	0.0	0.0	0.0	513	103	0	0	0	56,030	10,154	4,191	224	1,677	138	34,621
322+00	17	158.4	33.5	0.0	0.0	0.0	104	21	0	0	0	56,133	10,154	4,191	224	1,677	138	34,704
323+00	100	121.6	33.5	0.1	0.0	0.0	518	124	0	0	0	56,652	10,154	4,191	224	1,677	138	35,098
342+16	0	0.1	4.0	0.0	0.0	0.0	0	0	0	0	0	56,652	10,154	4,191	224	1,677	138	35,098
342+62	46	78.1	4.0	0.0	0.0	0.0	67	7	0	0	0	56,718	10,154	4,191	224	1,677	138	35,158
343+00	38	65.7	4.0	0.0	0.0	0.0	101	6	0	0	0	56,820	10,154	4,191	224	1,677	138	35,254
344+00	100	38.3	4.0	9.1	0.0	0.0	193	15	17	0	0	57,012	10,175	4,191	224	1,677	138	35,410
344+54	54	63.2	4.0	1.0	0.0	0.0	101	8	10	0	0	57,113	10,188	4,191	224	1,677	138	35,491
345+00	46	43.1	4.0	7.2	0.0	0.0	91	7	7	0	0	57,204	10,196	4,191	224	1,677	138	35,566
346+00	100	54.1	4.0	0.7	0.0	0.0	180	15	15	0	0	57,384	10,214	4,191	224	1,677	138	35,713
347+00	100	127.1	4.0	0.0	0.0	0.0	335	15	1	0	0	57,720	10,216	4,191	224	1,677	138	36,032
347+74	74	120.8	4.0	90.2	0.0	0.0	342	11	124	0	0	58,061	10,371	4,191	224	1,677	138	36,208
348+00	26	278.0	4.0	19.4	0.0	0.0	189	4	52	0	0	58,250	10,436	4,191	224	1,677	138	36,328
348+40	40	342.1	4.0	0.0	0.0	0.0	456	6	14	0	0	58,707	10,454	4,191	224	1,677	138	36,760
349+00	60	185.6	4.0	12.7	0.0	0.0	589	9	14	0	0	59,295	10,472	4,191	224	1,677	138	37,323
349+96	96	393.6	4.0	0.1	0.0	0.0	1,027	14	23	0	0	60,322	10,500	4,191	224	1,677	138	38,307
350+00	4	87.7	4.0	0.1	0.0	0.0	38	1	0	0	0	60,360	10,500	4,191	224	1,677	138	38,344
350+21	21	55.6	4.0	33.8	0.0	0.0	55	3	13	0	0	60,415	10,516	4,191	224	1,677	138	38,380
350+83	62	67.8	4.0	0.0	0.0	0.0	142	9	39	0	0	60,556	10,565	4,191	224	1,677	138	38,463
351+00	18	64.8	4.0	0.0	0.0	0.0	43	3	0	0	0	60,599	10,565	4,191	224	1,677	138	38,504
351+50	50	56.6	4.0	1.4	0.0	0.0	112	7	1	0	0	60,712	10,566	4,191	224	1,677	138	38,607
352+00	50	41.4	4.0	0.6	0.0	0.0	91	7	2	0	0	60,803	10,569	4,191	224	1,677	138	38,688
352+65	65	33.4	4.3	5.1	0.0	0.0	90	10	7	0	0	60,893	10,577	4,191	224	1,677	138	38,760
353+00	35	24.5	4.3	11.8	0.0	0.0	38	6	11	0	0	60,930	10,591	4,191	224	1,677	138	38,778
354+00	100	18.3	4.3	6.8	0.0	0.0	79	16	34	0	0	61,009	10,634	4,191	224	1,677	138	38,799
354+18	18	11.0	4.3	3.2	0.0	0.0	10	3	3	0	0	61,019	10,638	4,191	224	1,677	138	38,801
						Column totals	61,019	11,580	10,325	2,794	172							

Project ID: 1300-09-01
Division 2 - Maple Rd

STATION	Distance	Area (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
47+25	0	31.2	7.3	0.1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
48+00	75	23.2	7.3	0.1	0.0	0.0	76	20	0	0	0	76	0	0	0	0	0	55
49+00	100	46.6	7.3	1.0	0.0	0.0	129	27	2	0	0	205	3	0	0	0	0	155
49+53	53	156.8	7.3	26.4	0.0	0.0	200	14	27	0	0	405	36	0	0	0	0	306
49+60	7	201.0	7.3	11.6	0.0	0.0	46	2	5	0	0	451	43	0	0	0	0	344
					Column totals		451	64	34	0	0							

Project ID: 1300-09-01
Division 2 - Honey Creek Rd

STATION	Distance	Area (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
602+00	0	35.5	0.0	0.5	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
603+00	100	41.6	7.3	0.1	0.0	0.0	143	14	1	0	0	143	1	0	0	0	0	128
604+00	100	2.6	7.3	25.7	0.0	0.0	82	27	48	0	0	225	61	0	0	0	0	123
605+00	100	4.4	7.3	51.3	0.0	0.0	13	27	143	0	0	238	239	0	0	0	0	-70
606+00	100	123.9	7.3	0.0	0.0	0.0	237	27	95	0	0	475	358	0	0	0	0	22
606+75	75	420.0	7.3	0.0	0.0	0.0	755	20	0	0	0	1,230	358	0	0	0	0	757
607+00	25	371.4	0.0	0.0	0.0	0.0	366	3	0	0	0	1,597	358	0	0	0	0	1,120
608+00	100	119.2	0.0	0.0	0.0	0.0	908	0	0	0	0	2,505	358	0	0	0	0	2,028
					Column totals		2,505	119	286	0	0							

Project ID: 1300-09-01
Division 2 - Schmidt Dwy

STATION	Distance	Area (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
632+00	0	0.0	0.0	379.5	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
633+00	100	0.0	0.0	171.8	0.0	0.0	0	0	1,021	0	0	0	1,276	0	0	0	0	-1,276
634+00	100	51.4	0.0	0.0	0.0	0.0	95	0	318	0	0	95	1,674	0	0	0	0	-1,579
635+00	100	24.7	0.0	0.0	0.0	0.0	141	0	0	0	0	236	1,674	0	0	0	0	-1,438
					Column totals		236	0	1,339	0	0							

Project ID: 1300-09-01
Division 2 - Dwy 208+67

STATION	Distance	Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						Mass Ordinate
		Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	
640+28	0	15.0	0.0	0.4	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
641+00	72	0.0	0.0	7.1	0.0	0.0	20	0	10	0	0	20	12	0	0	0	0	7
641+84	84	0.4	0.0	25.5	0.0	0.0	1	0	51	0	0	21	76	0	0	0	0	-55
642+75	0	0.0	0.0	246.0	0.0	0.0	0	0	0	0	0	21	76	0	0	0	0	-55
643+00	25	0.0	0.0	213.0	0.0	0.0	0	0	212	0	0	21	341	0	0	0	0	-321
644+00	100	0.0	0.0	72.8	0.0	0.0	0	0	529	0	0	21	1,003	0	0	0	0	-982
645+00	100	2.9	0.0	0.3	0.0	0.0	5	0	135	0	0	26	1,172	0	0	0	0	-1,146
646+00	100	3.9	0.0	4.4	0.0	0.0	13	0	9	0	0	39	1,183	0	0	0	0	-1,145
646+84	84	8.6	0.0	0.0	0.0	0.0	19	0	7	0	0	58	1,192	0	0	0	0	-1,134
						Column totals	58	0	953	0	0							

Project ID: 1300-09-01
Division 2 - CTH O

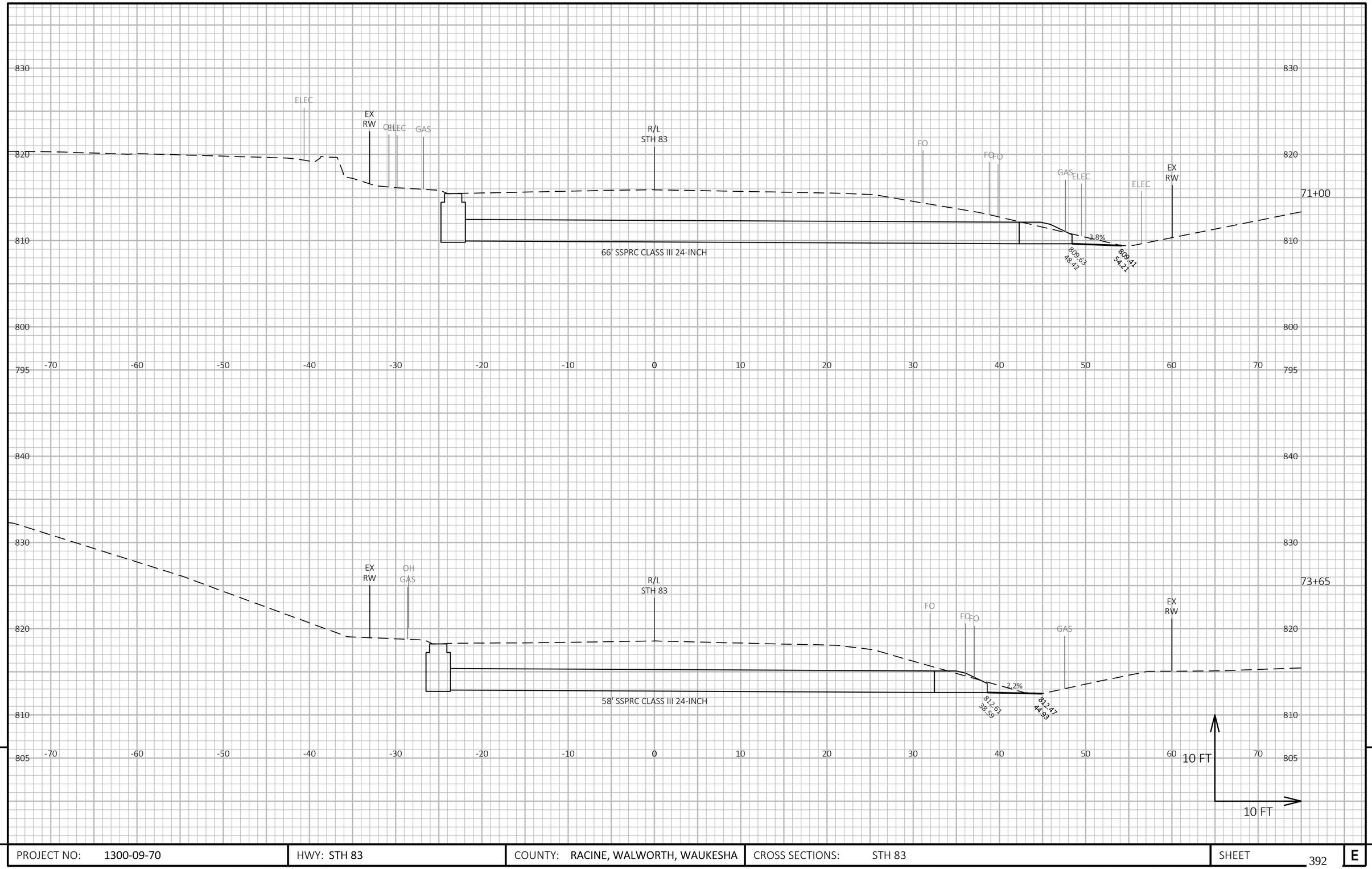
STATION	Distance	Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						Mass Ordinate
		Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	
652+00	0	192.8	0.0	1.2	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
653+00	100	44.3	0.0	14.1	0.0	0.0	439	0	28	0	0	439	36	0	0	0	0	403
653+43	43	45.4	0.0	0.6	0.0	0.0	72	0	12	0	0	511	50	0	0	0	0	460
654+00	57	67.0	0.0	0.8	0.0	0.0	118	0	1	0	0	629	52	0	0	0	0	577
654+25	25	63.7	15.0	0.1	0.0	0.0	61	7	0	0	0	690	53	0	0	0	0	630
655+00	75	80.4	15.0	0.0	0.0	0.0	200	42	0	0	0	890	53	0	0	0	0	788
655+25	25	68.3	15.0	0.0	0.0	0.0	69	14	0	0	0	958	53	0	0	0	0	843
						Column totals	958	62	42	0	0							

Project ID: 1300-09-01
Division 2 - Northwest Cir

		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
761+43	0	70.3	6.7	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
761+50	7	69.0	6.7	0.0	0.0	0.0	19	2	0	0	0	19	0	0	0	0	0	17
762+00	50	47.1	6.7	0.2	0.0	0.0	108	12	0	0	0	126	0	0	0	0	0	112
762+02	2	49.8	6.7	0.0	0.0	0.0	4	1	0	0	0	130	0	0	0	0	0	115
762+18	16	61.5	6.7	1.4	0.0	0.0	33	4	0	0	0	164	1	0	0	0	0	144
762+38	20	76.5	0.0	6.0	0.0	0.0	52	2	3	0	0	215	4	0	0	0	0	190
762+40	2	78.4	0.0	0.7	0.0	0.0	5	0	0	0	0	220	5	0	0	0	0	194
762+62	22	107.6	0.0	14.2	0.0	0.0	74	0	6	0	0	294	12	0	0	0	0	261
762+81	19	110.2	0.0	19.2	0.0	0.0	76	0	12	0	0	370	27	0	0	0	0	323
763+00	19	82.4	0.0	27.5	0.0	0.0	69	0	17	0	0	440	48	0	0	0	0	371
763+08	8	89.9	0.0	13.8	0.0	0.0	25	0	6	0	0	465	55	0	0	0	0	389
764+00	92	57.6	0.0	84.3	0.0	0.0	252	0	167	0	0	717	264	0	0	0	0	431
						Column totals	717	21	211	0	0							

Project ID: 1300-09-01
Division 2 - CTH L

		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
806+17	0	50.5	17.5	0.5	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
807+00	83	114.6	17.5	5.2	0.0	0.0	255	54	9	0	0	255	11	0	0	0	0	190
807+55	55	195.7	17.5	0.9	0.0	0.0	316	36	6	0	0	571	19	0	0	0	0	463
808+90	0	188.8	17.5	7.3	0.0	0.0	0	0	0	0	0	571	19	0	0	0	0	463
809+00	10	170.5	17.5	0.7	0.0	0.0	67	7	1	0	0	638	20	0	0	0	0	521
810+00	100	69.9	17.5	0.0	0.0	0.0	445	65	1	0	0	1,083	22	0	0	0	0	900
810+28	28	67.8	17.5	0.0	0.0	0.0	71	18	0	0	0	1,154	22	0	0	0	0	953
						Column totals	1,154	179	18	0	0							



9

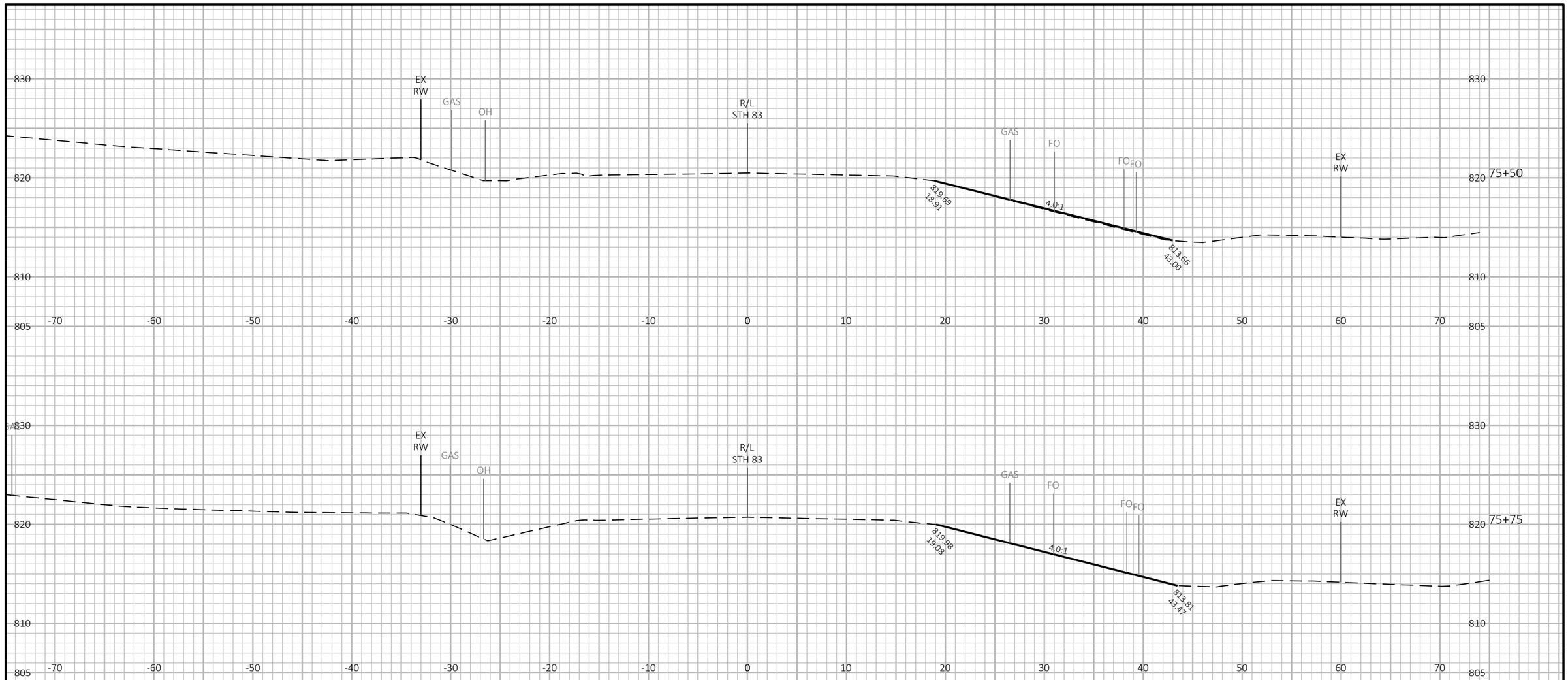
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 392	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-01-83

PLOT DATE : 9/27/2022 5:04 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

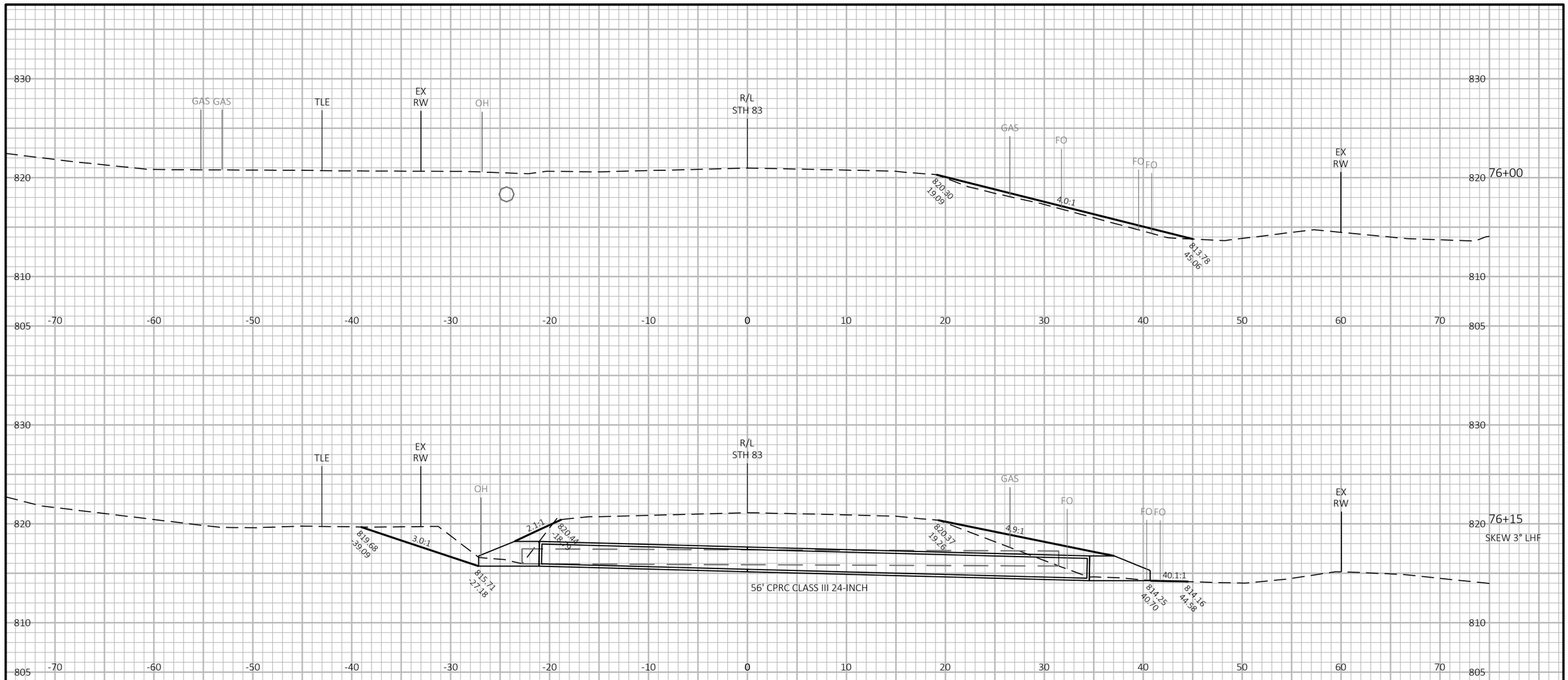
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 393	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-02-83

PLOT DATE : 9/27/2022 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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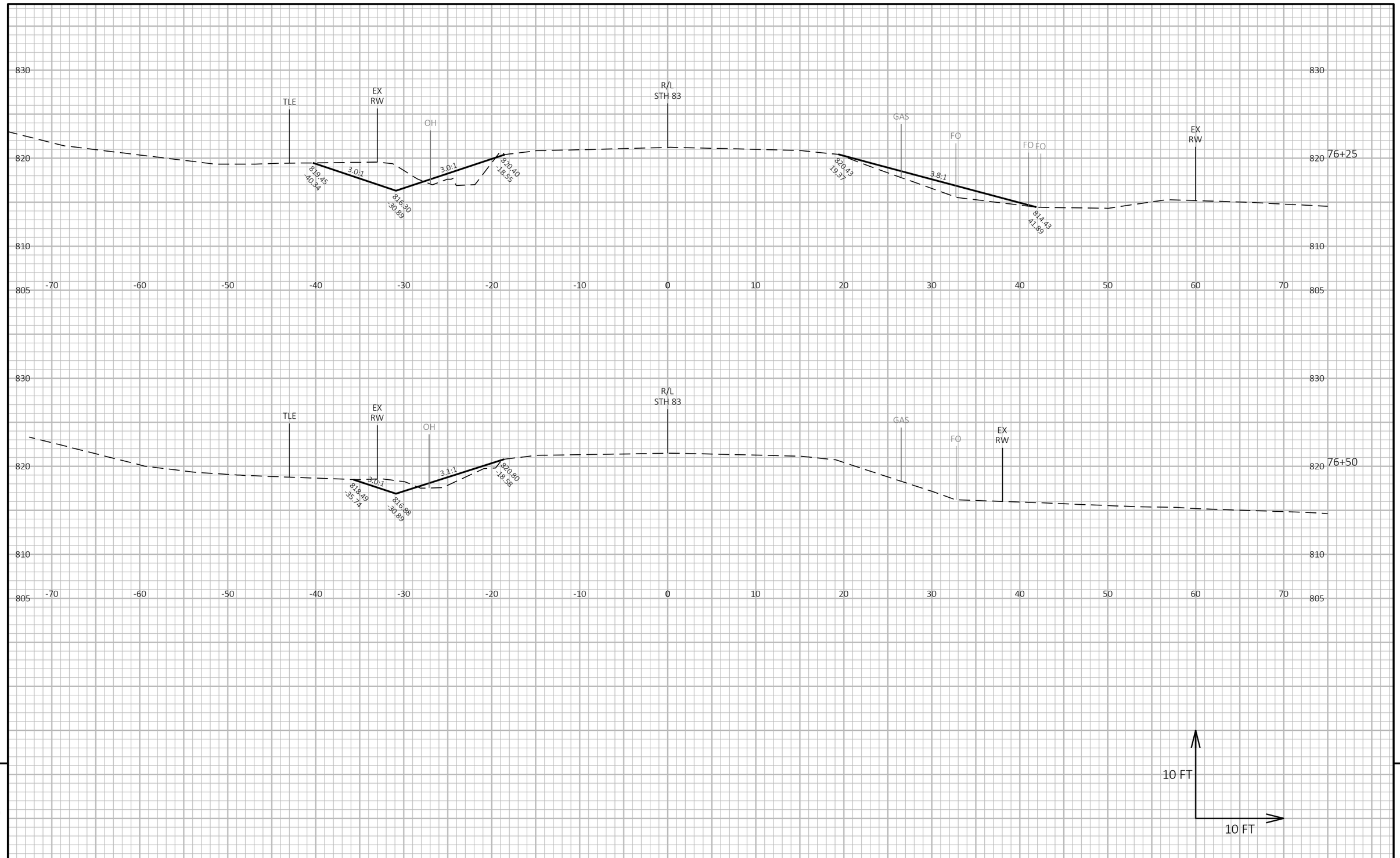
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FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-03-83

PLOT DATE : 9/27/2022 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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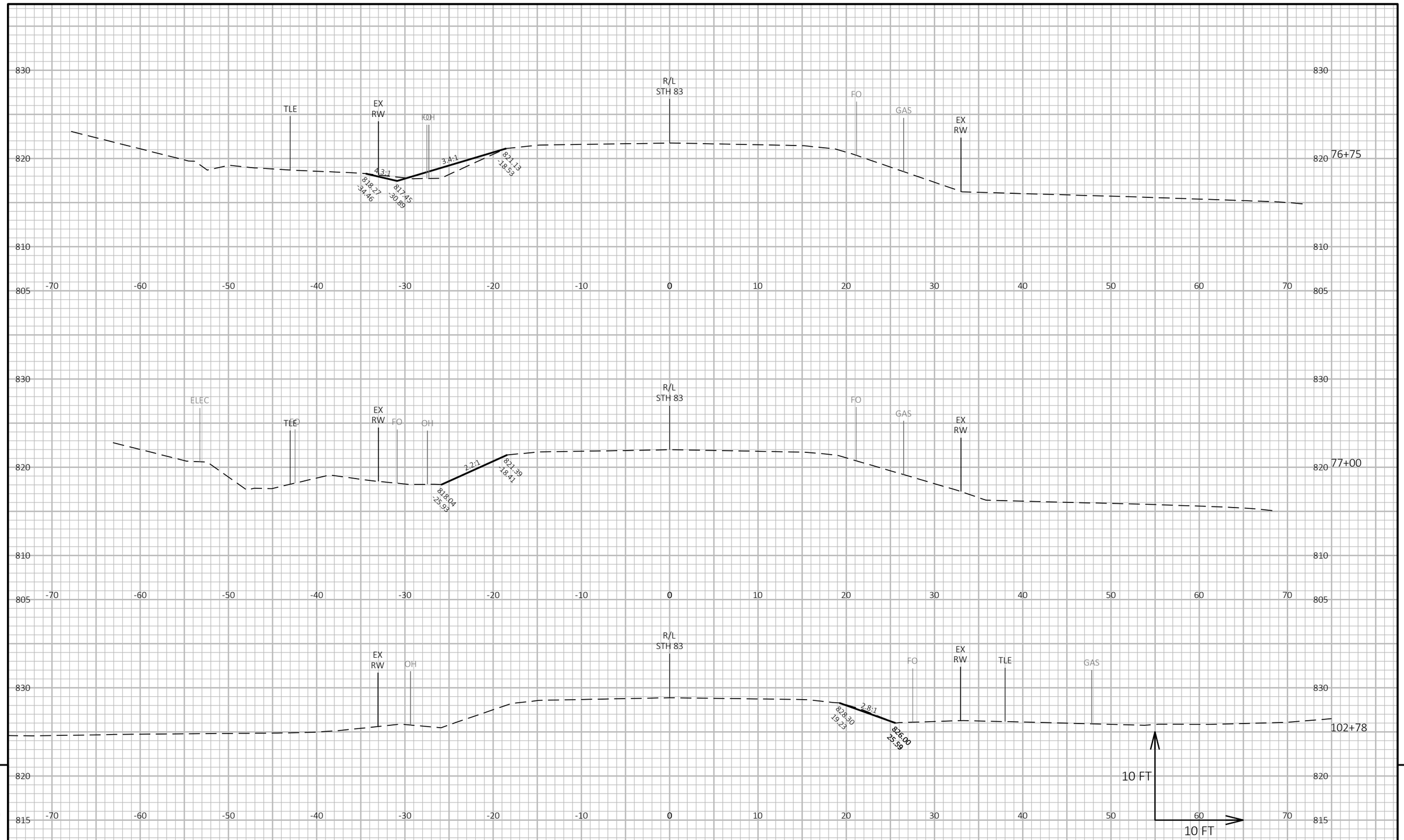
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 395	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-04-83

PLOT DATE : 9/27/2022 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 396	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-05-83

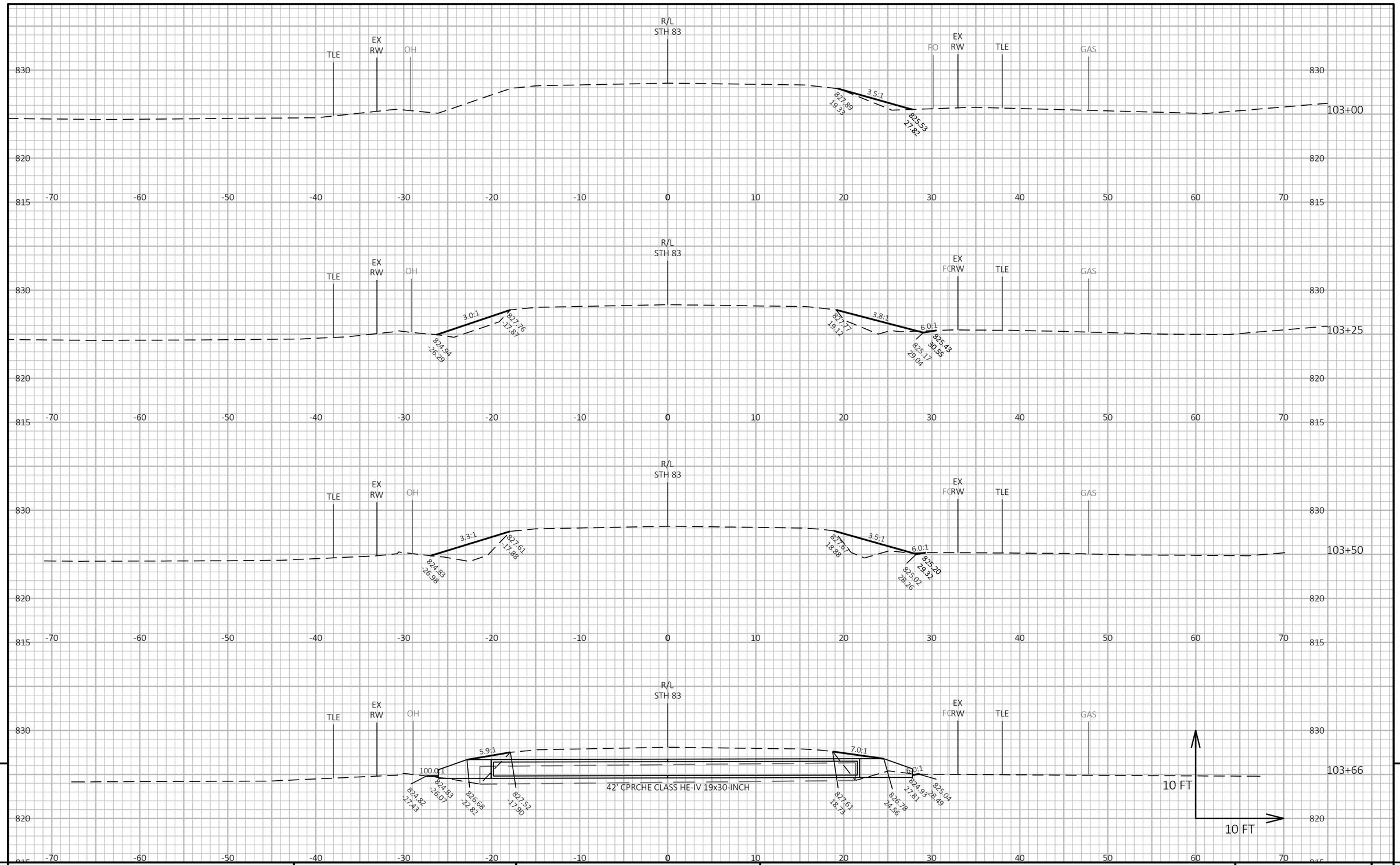
PLOT DATE : 9/27/2022 5:05 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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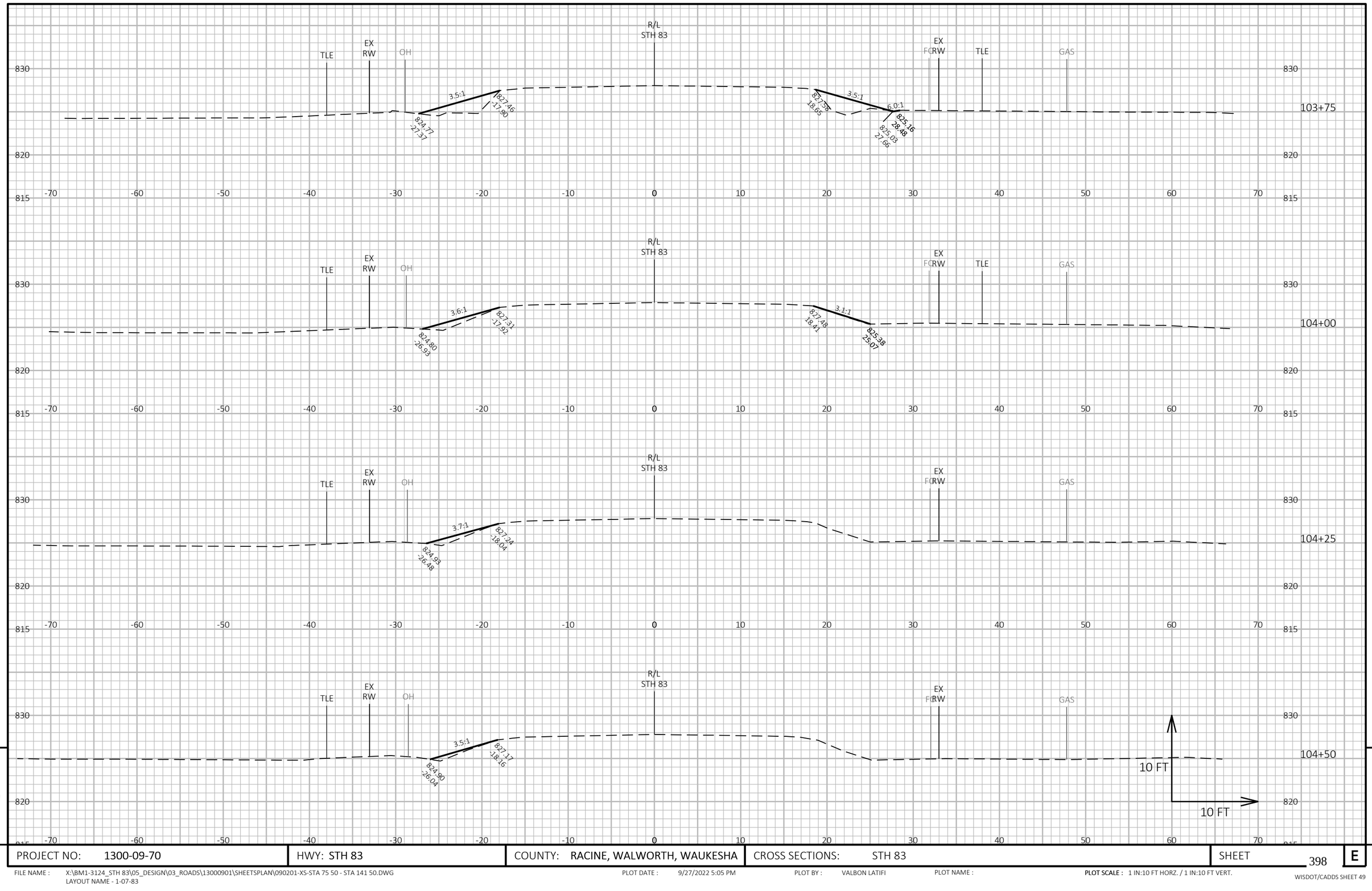
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 397	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-06-83

PLOT DATE : 9/27/2022 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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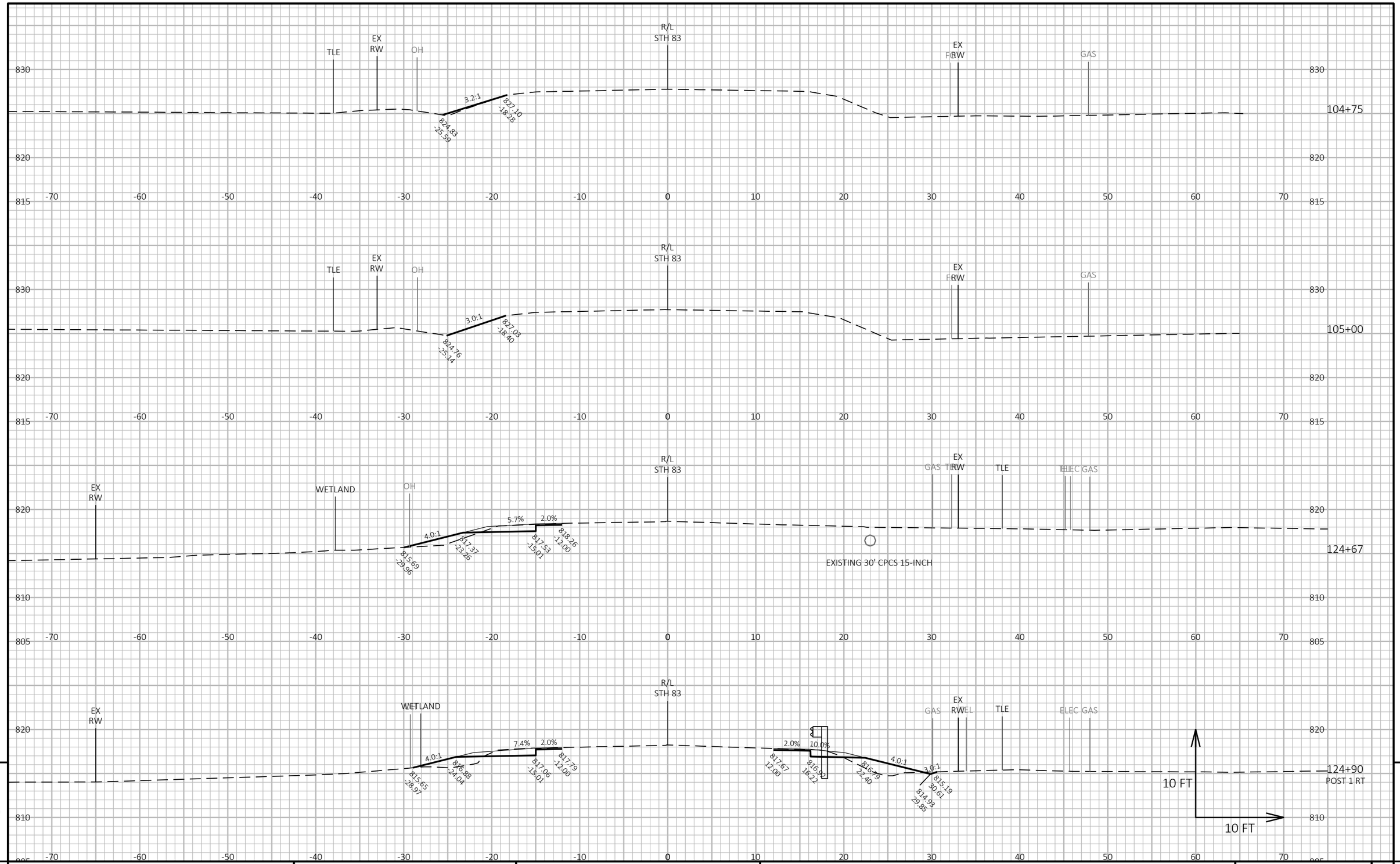
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 398	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-07-83

PLOT DATE : 9/27/2022 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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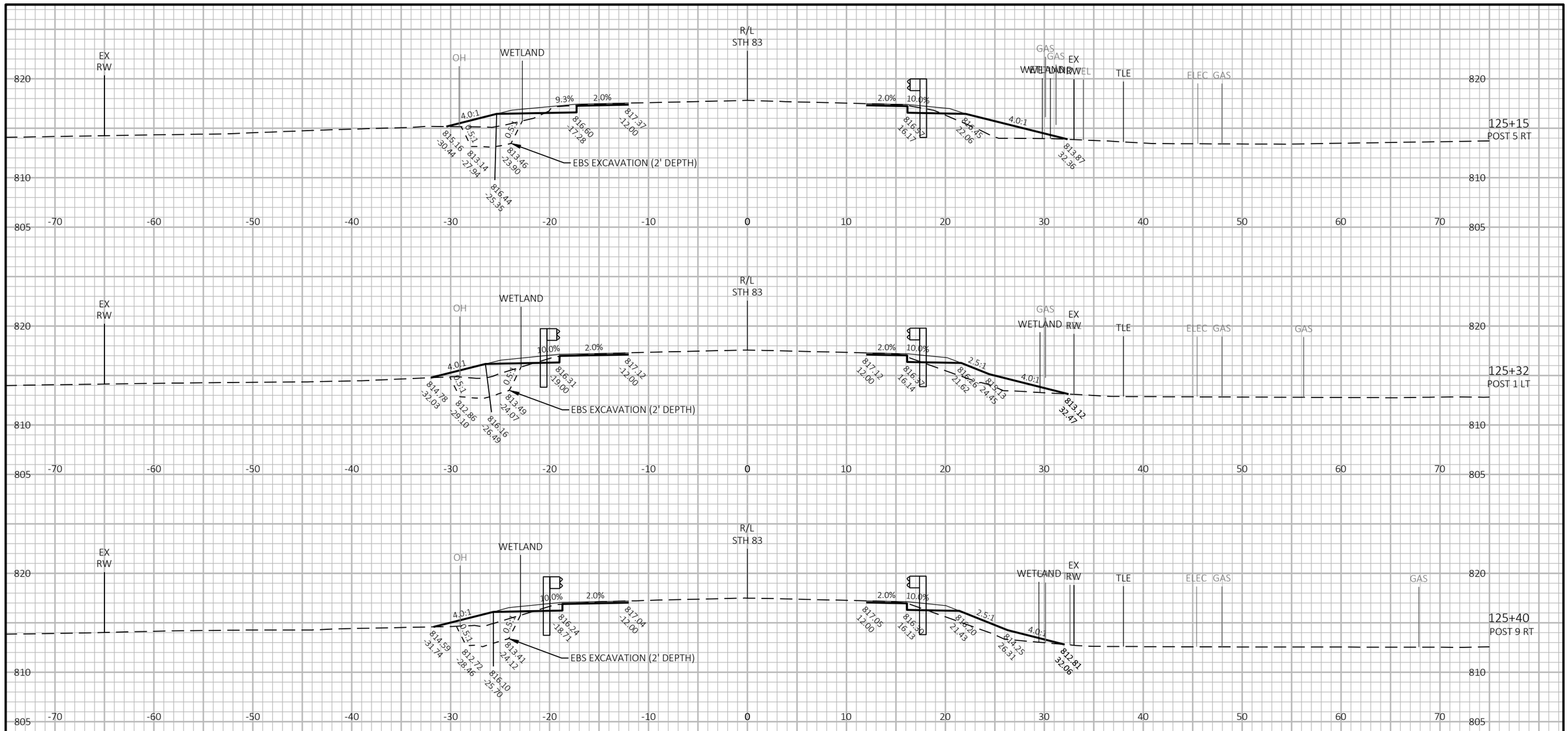
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 399	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-08-83

PLOT DATE : 9/27/2022 5:06 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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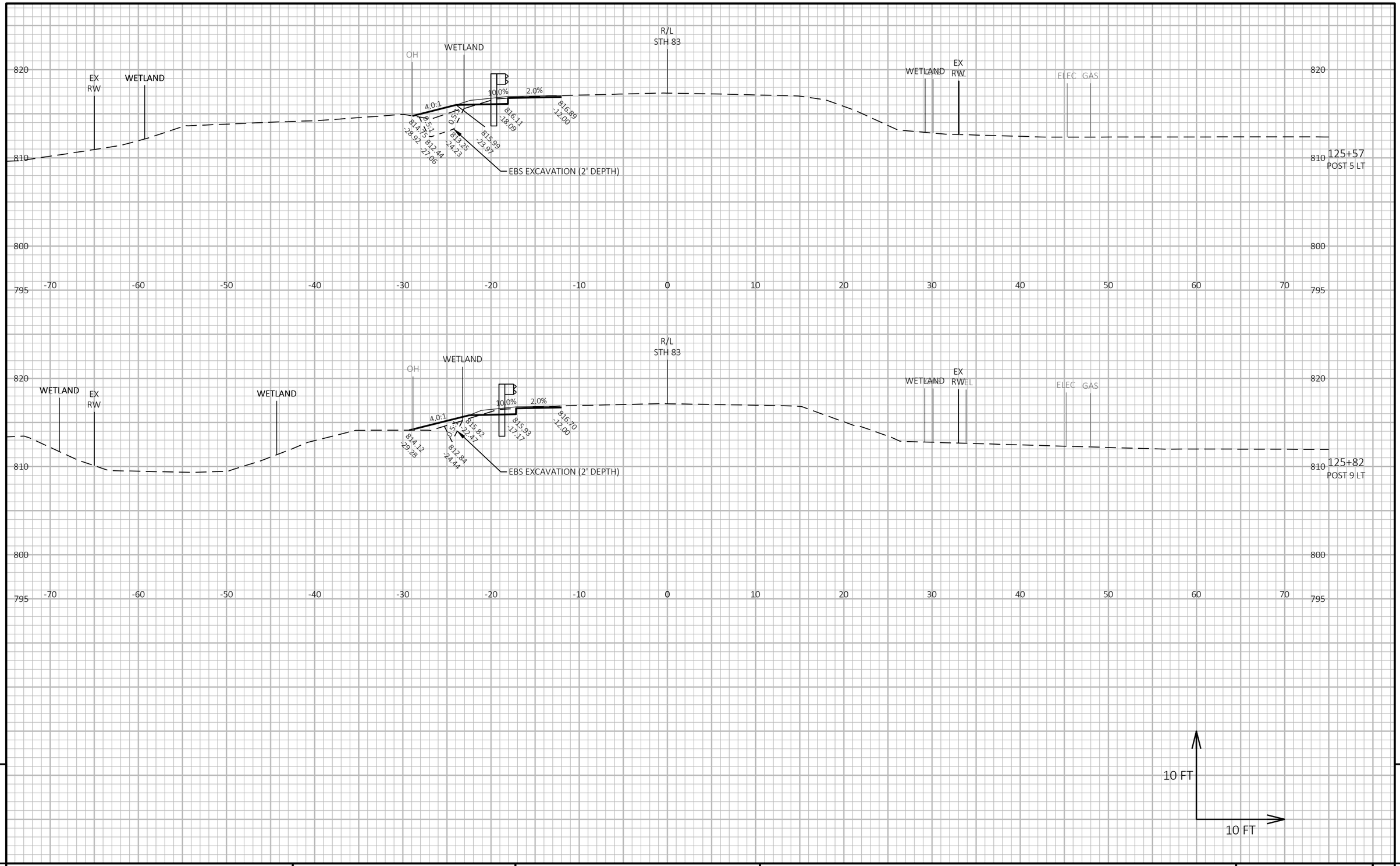
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 400	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-09-83

PLOT DATE : 9/27/2022 5:06 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 401	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-10-83

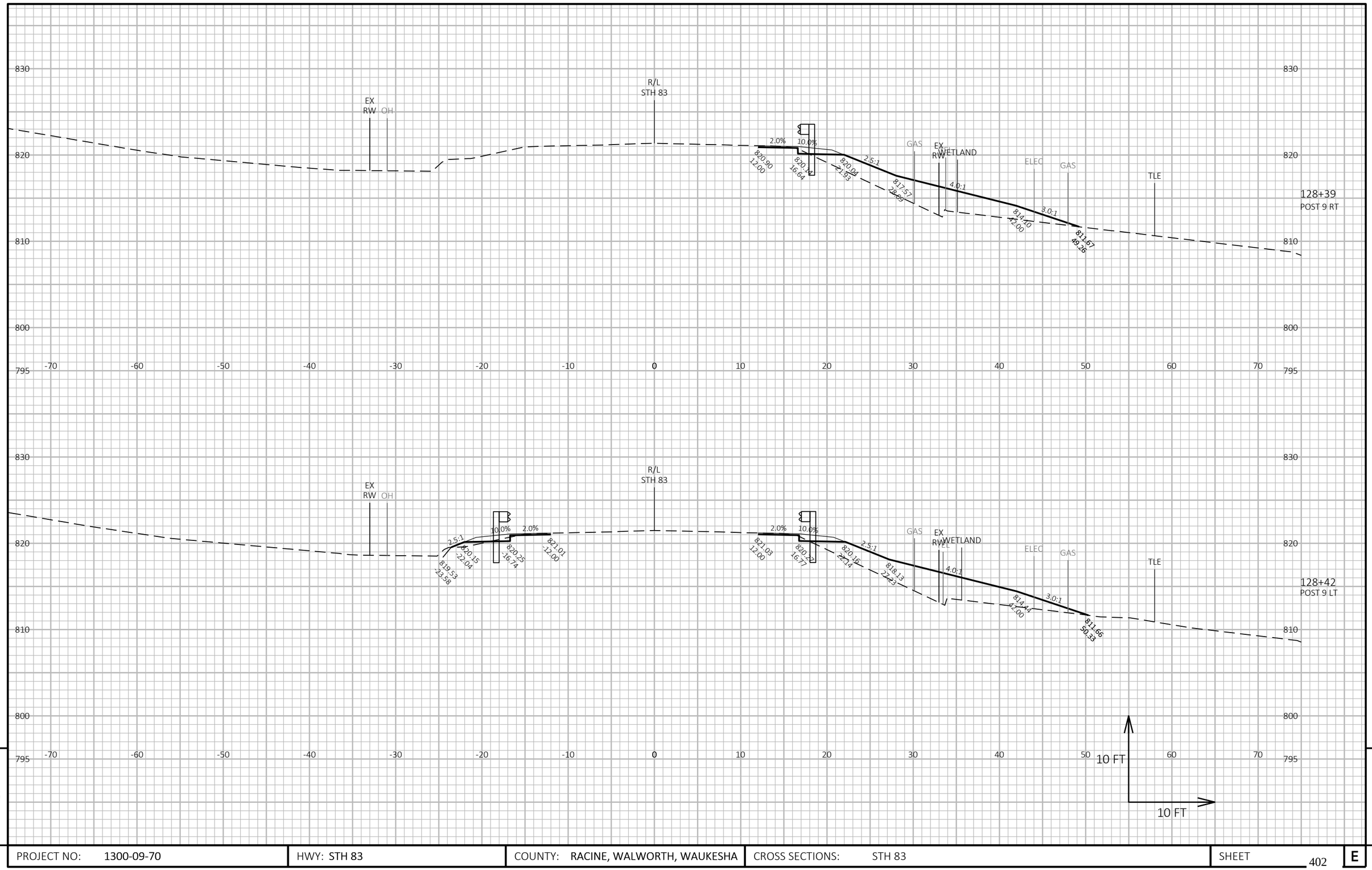
PLOT DATE : 9/27/2022 5:06 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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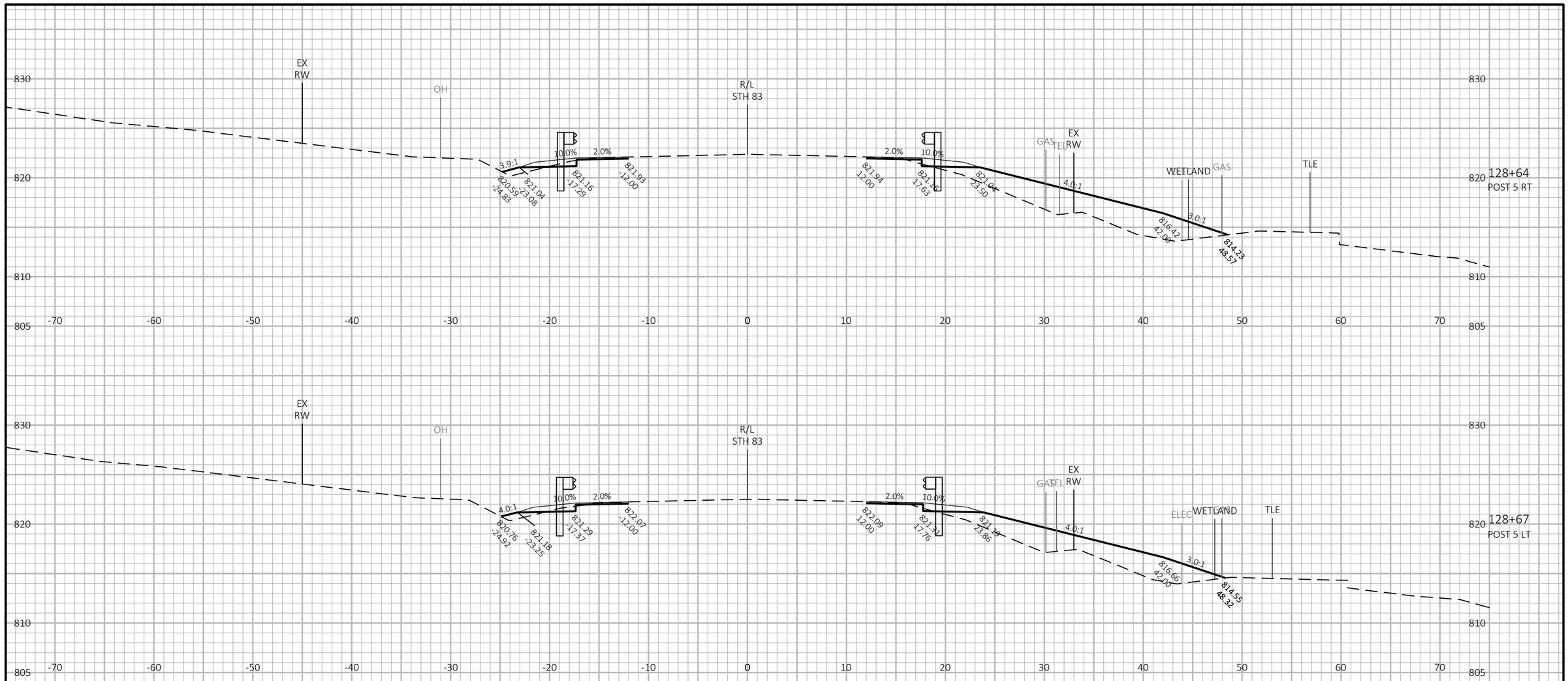
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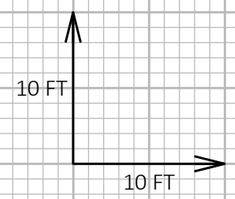
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 402	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-11-83

PLOT DATE : 9/27/2022 5:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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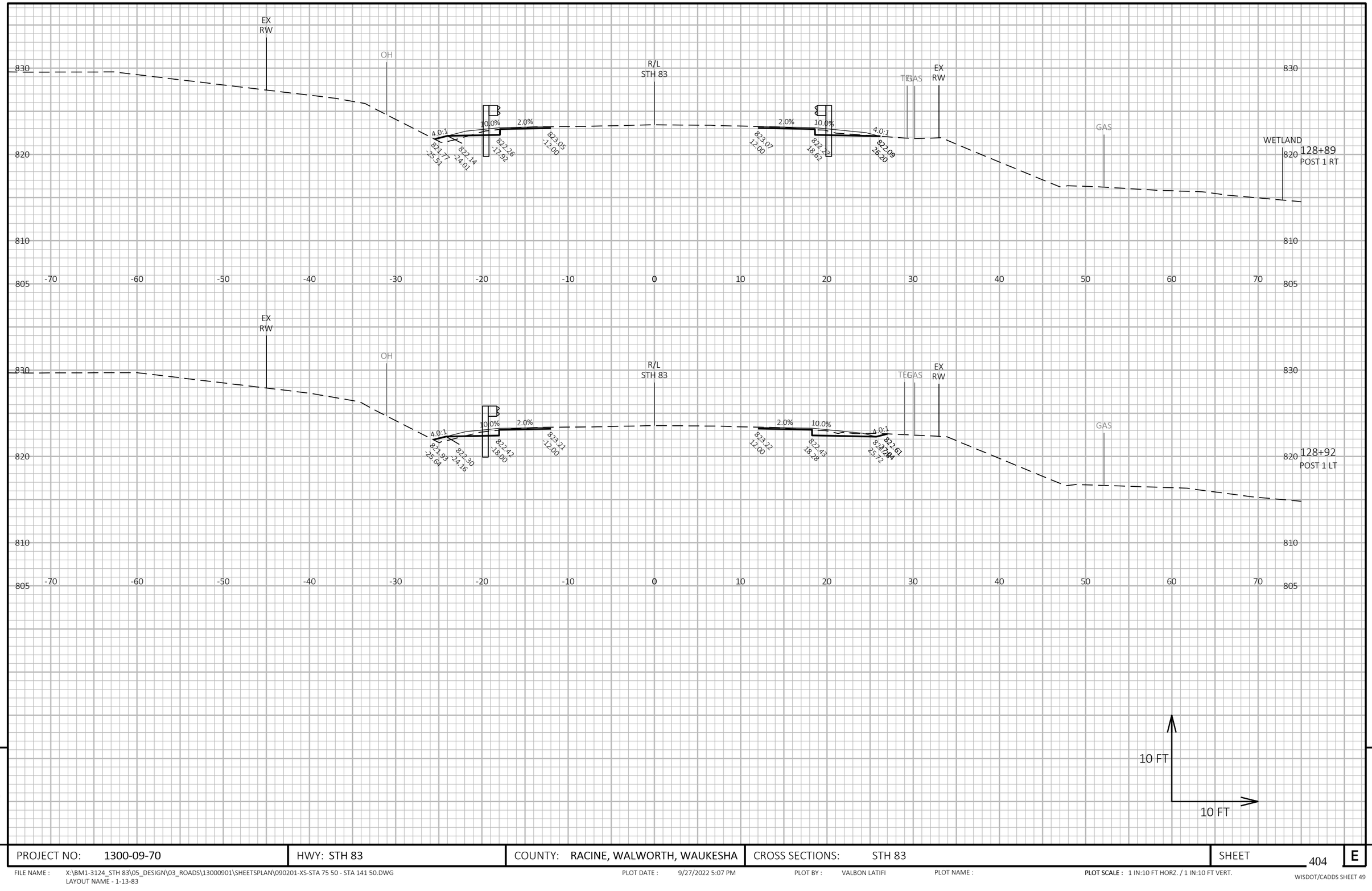
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 403	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-12-83

PLOT DATE : 9/27/2022 5:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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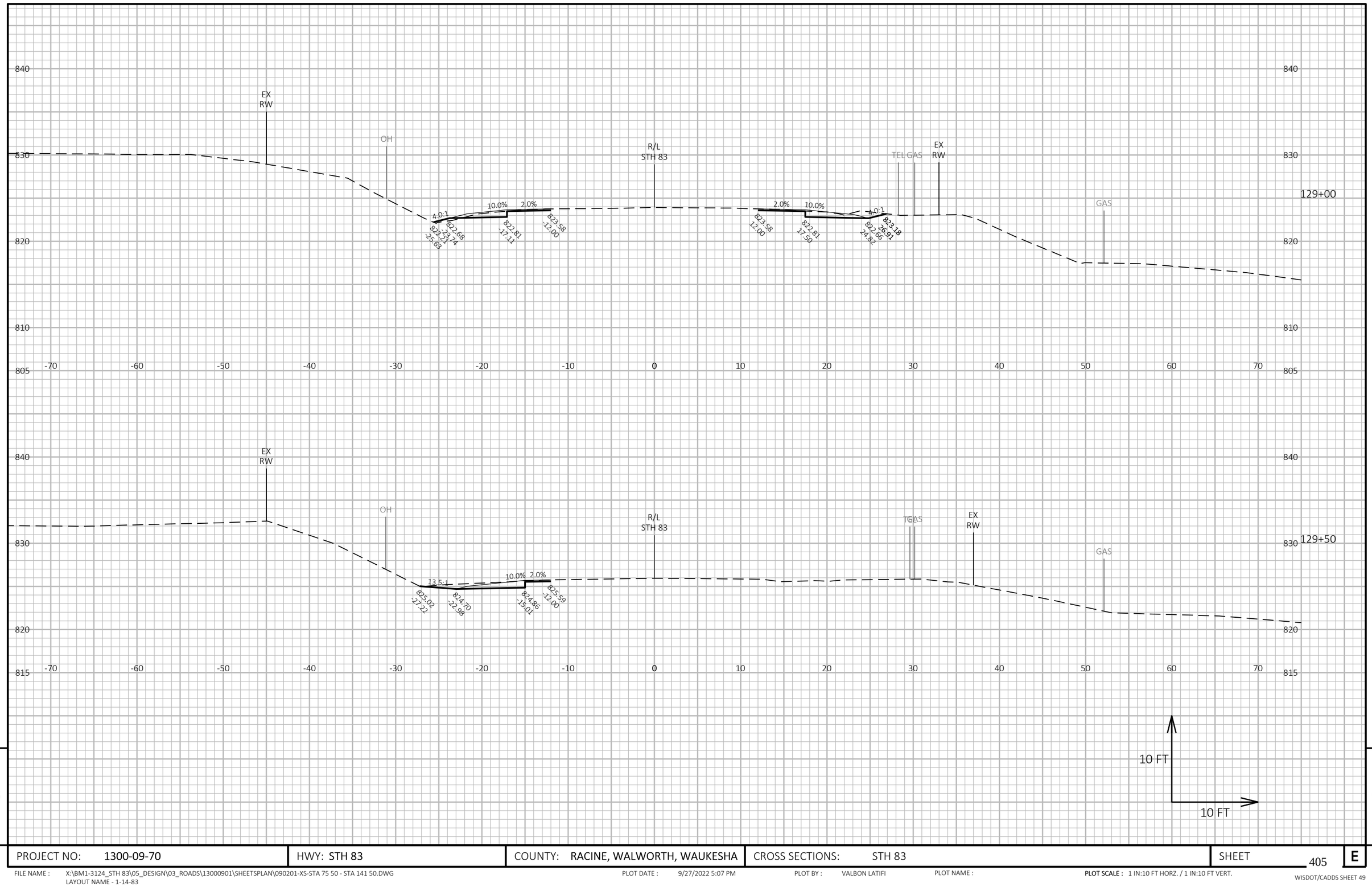
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 404	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-13-83

PLOT DATE : 9/27/2022 5:07 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

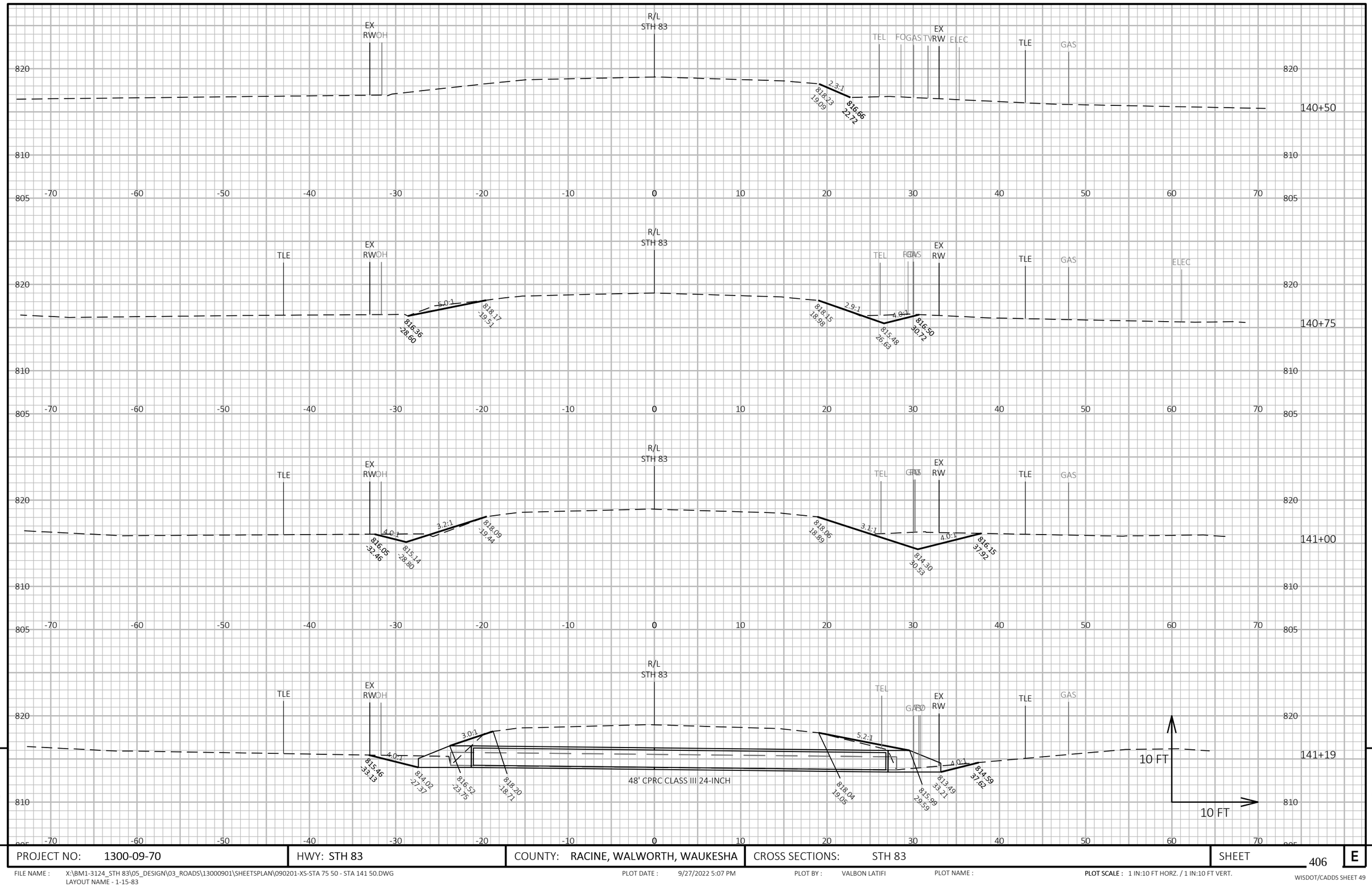


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 405	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-14-83

PLOT DATE : 9/27/2022 5:07 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 406	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-15-83

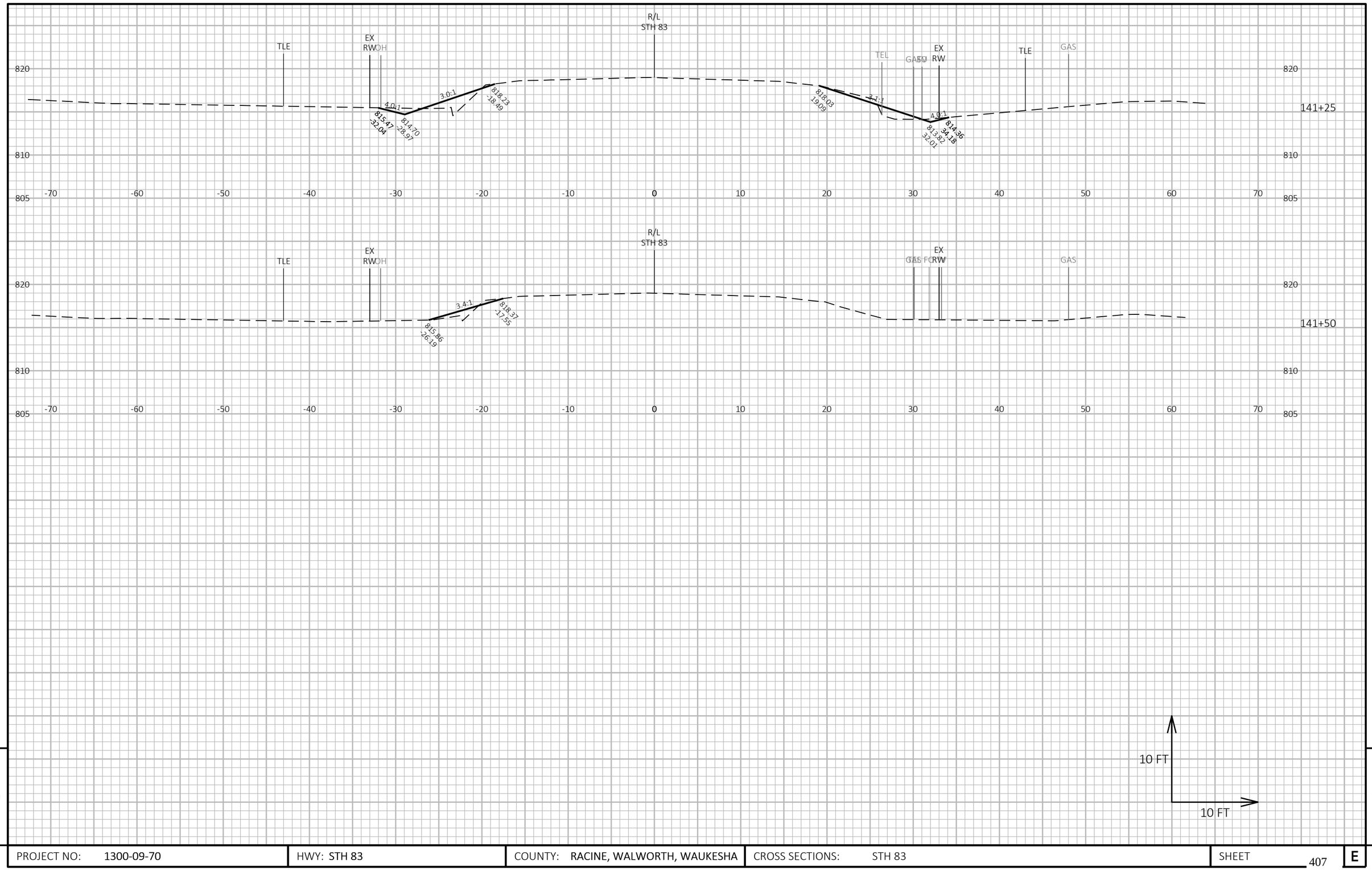
PLOT DATE : 9/27/2022 5:07 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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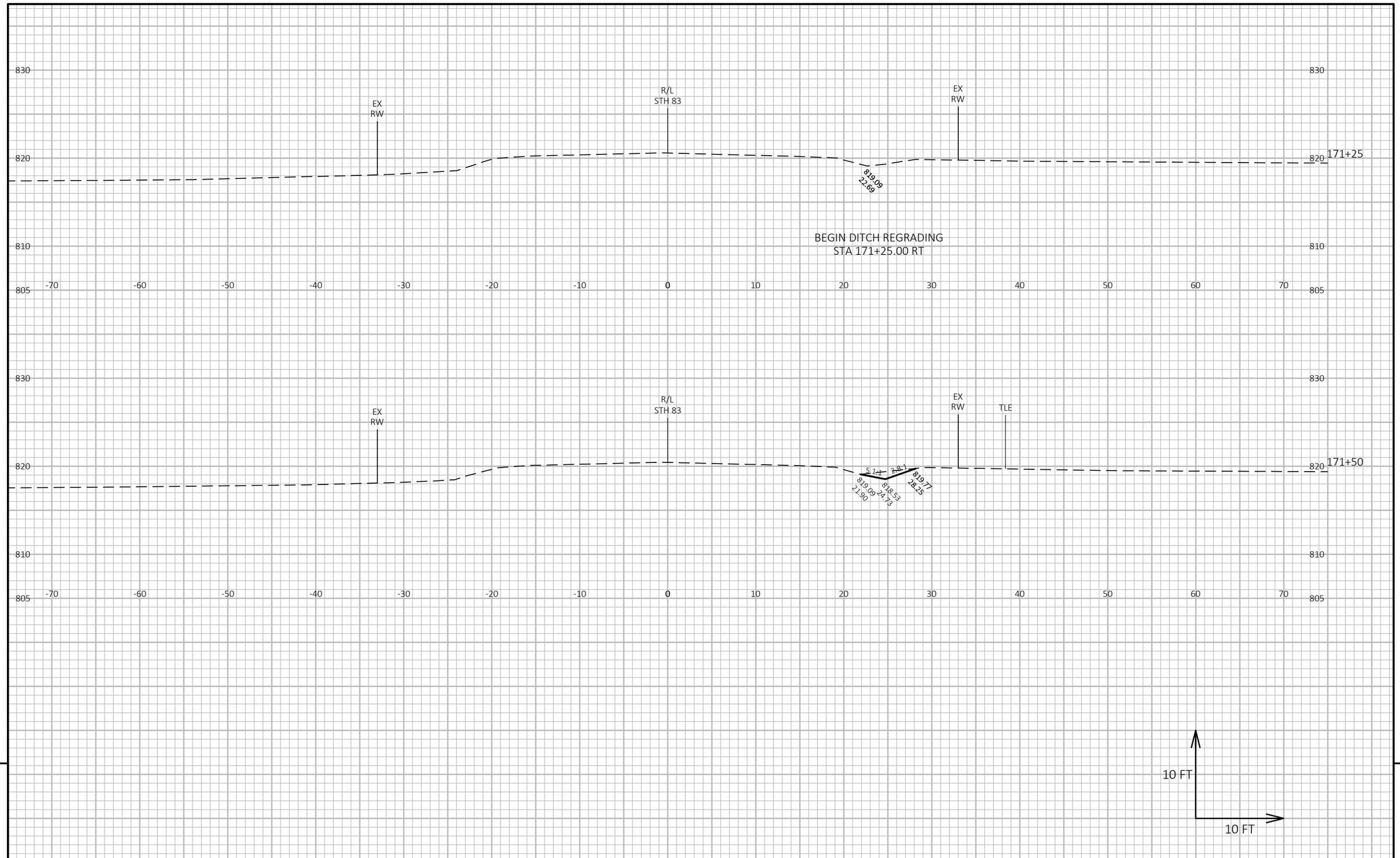
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 407	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090201-XS-STA 75 50 - STA 141 50.DWG
LAYOUT NAME - 1-16-83

PLOT DATE : 9/27/2022 5:07 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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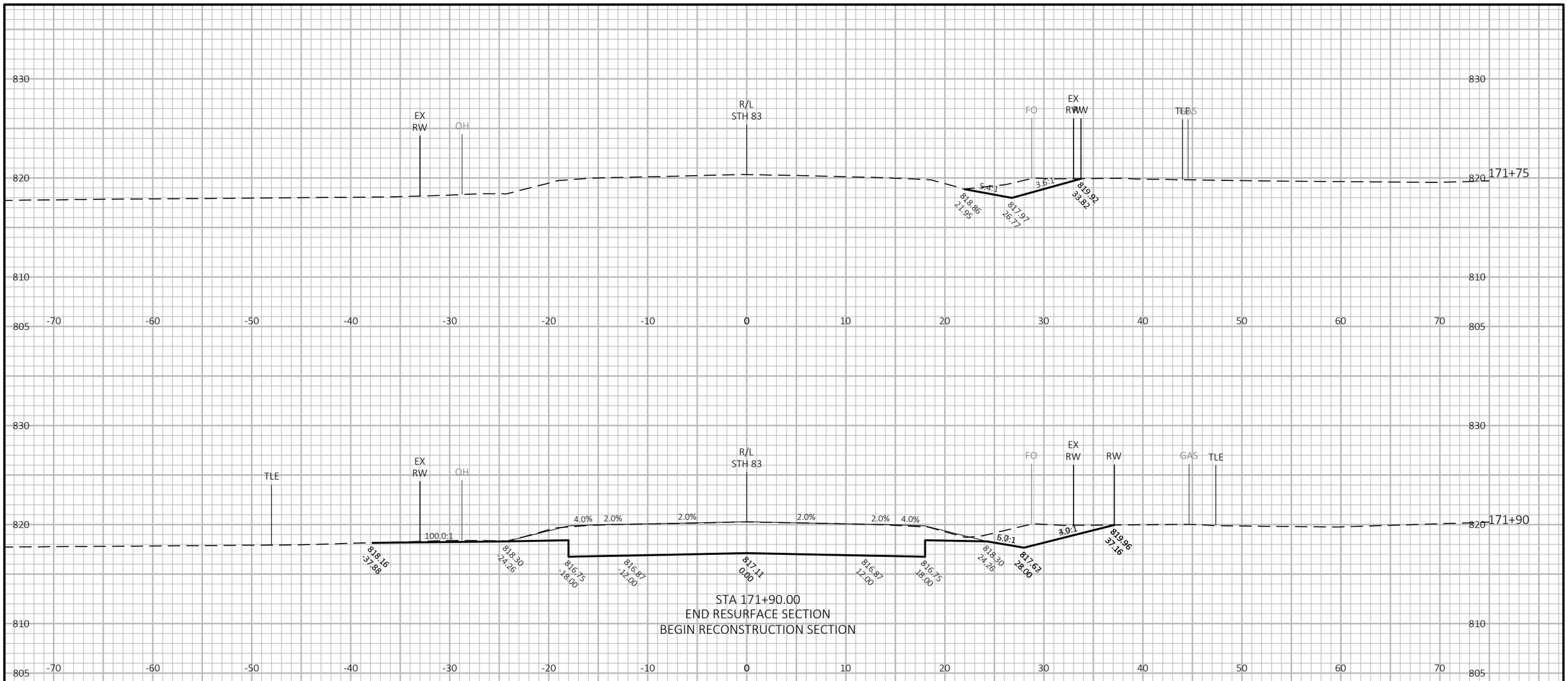
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 408	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-01-83

PLOT DATE : 9/27/2022 4:53 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 409	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-02-83

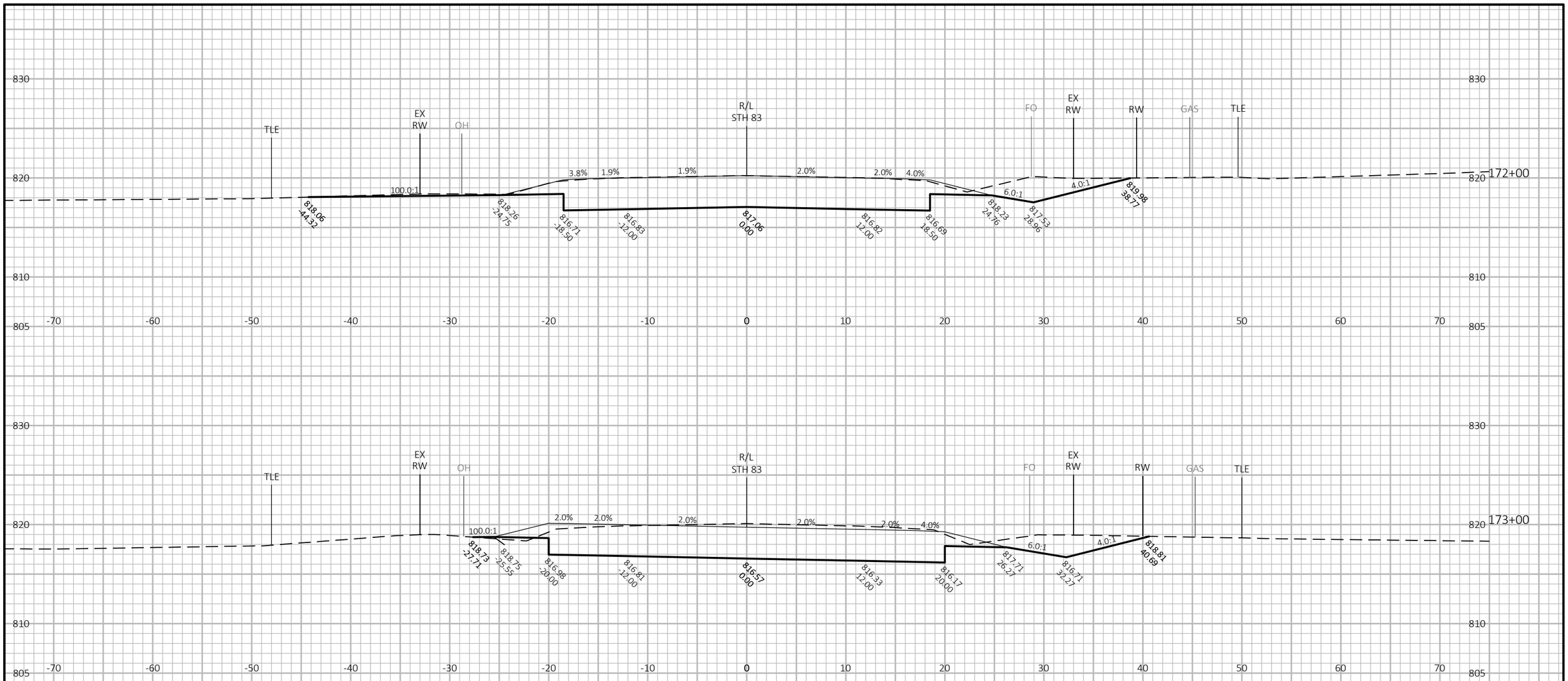
PLOT DATE : 9/27/2022 4:53 PM

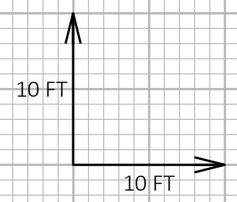
PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 410	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-03-83

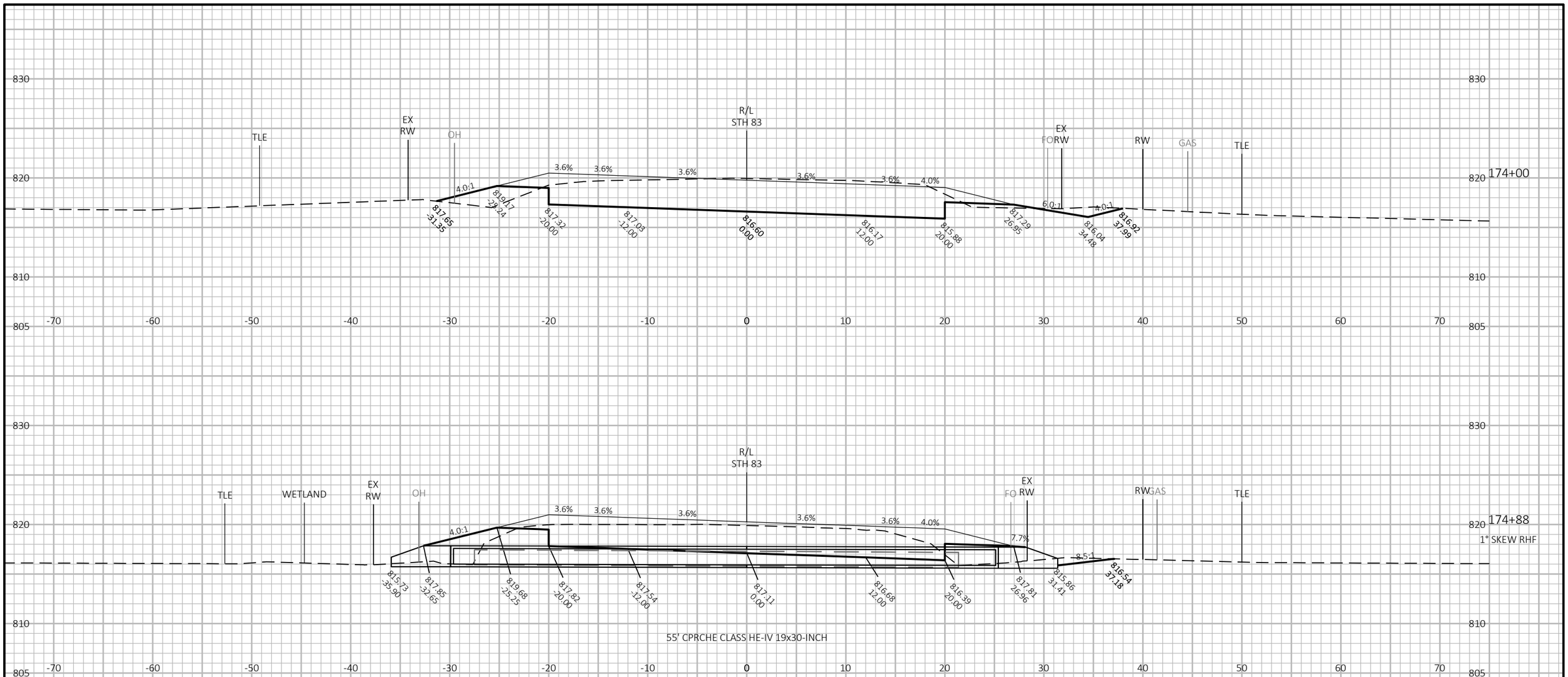
PLOT DATE : 9/27/2022 4:53 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



55' CPRCHE CLASS HE-IV 19x30-INCH

10 FT

10 FT

9

9

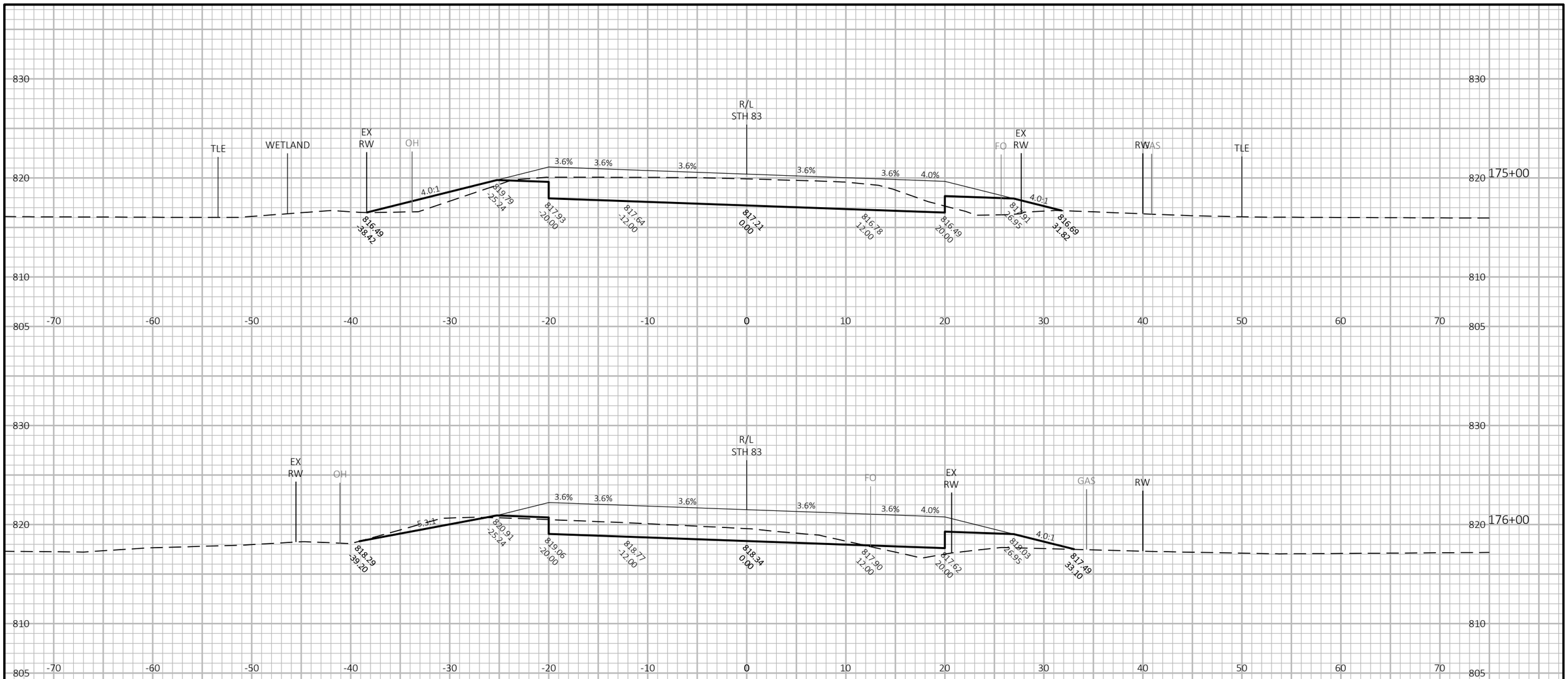
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 411	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-04-83

PLOT DATE : 9/27/2022 4:53 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 412	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-05-83

PLOT DATE : 9/27/2022 4:53 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

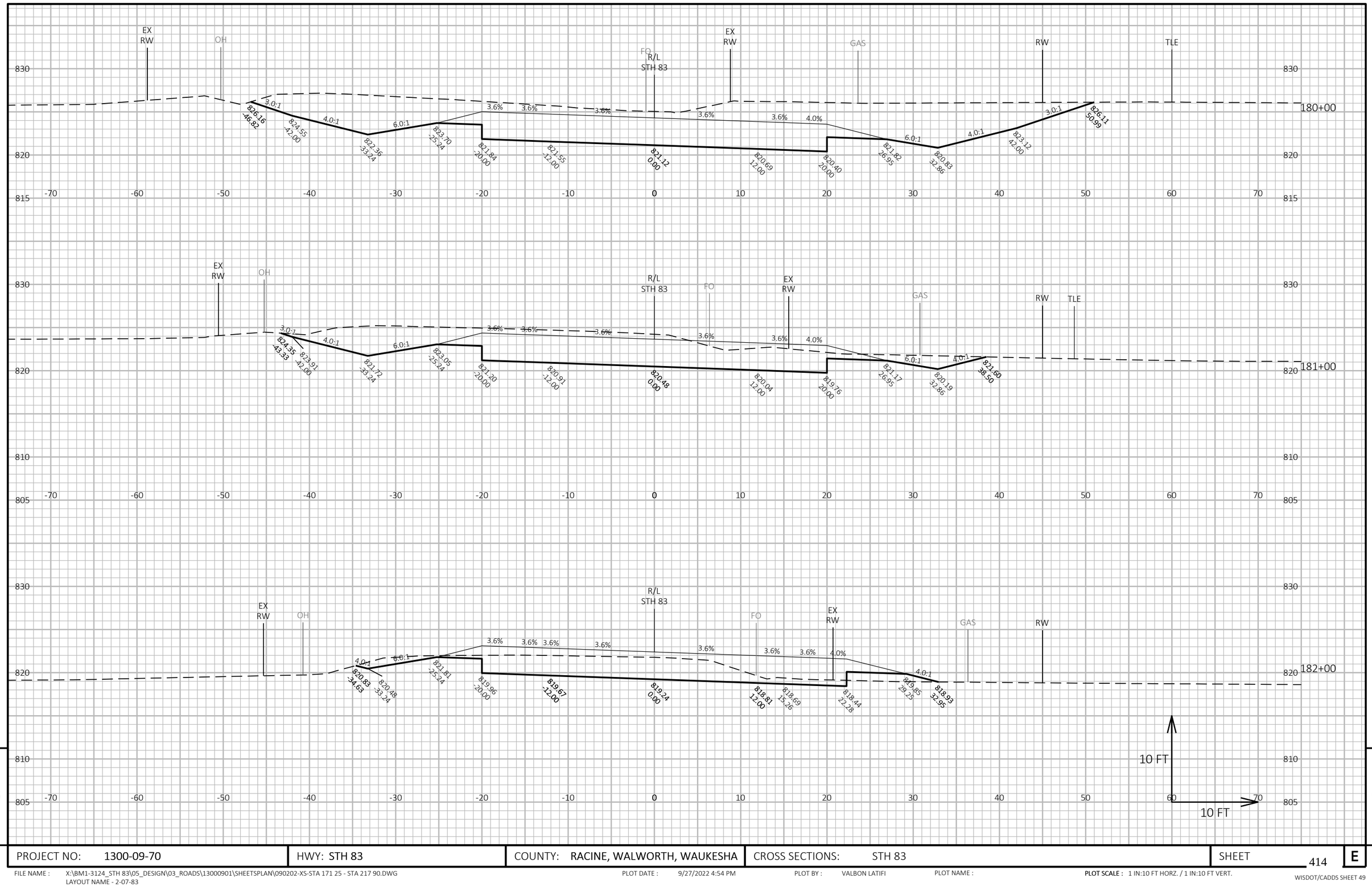
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 413	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-06-83

PLOT DATE : 9/27/2022 4:54 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

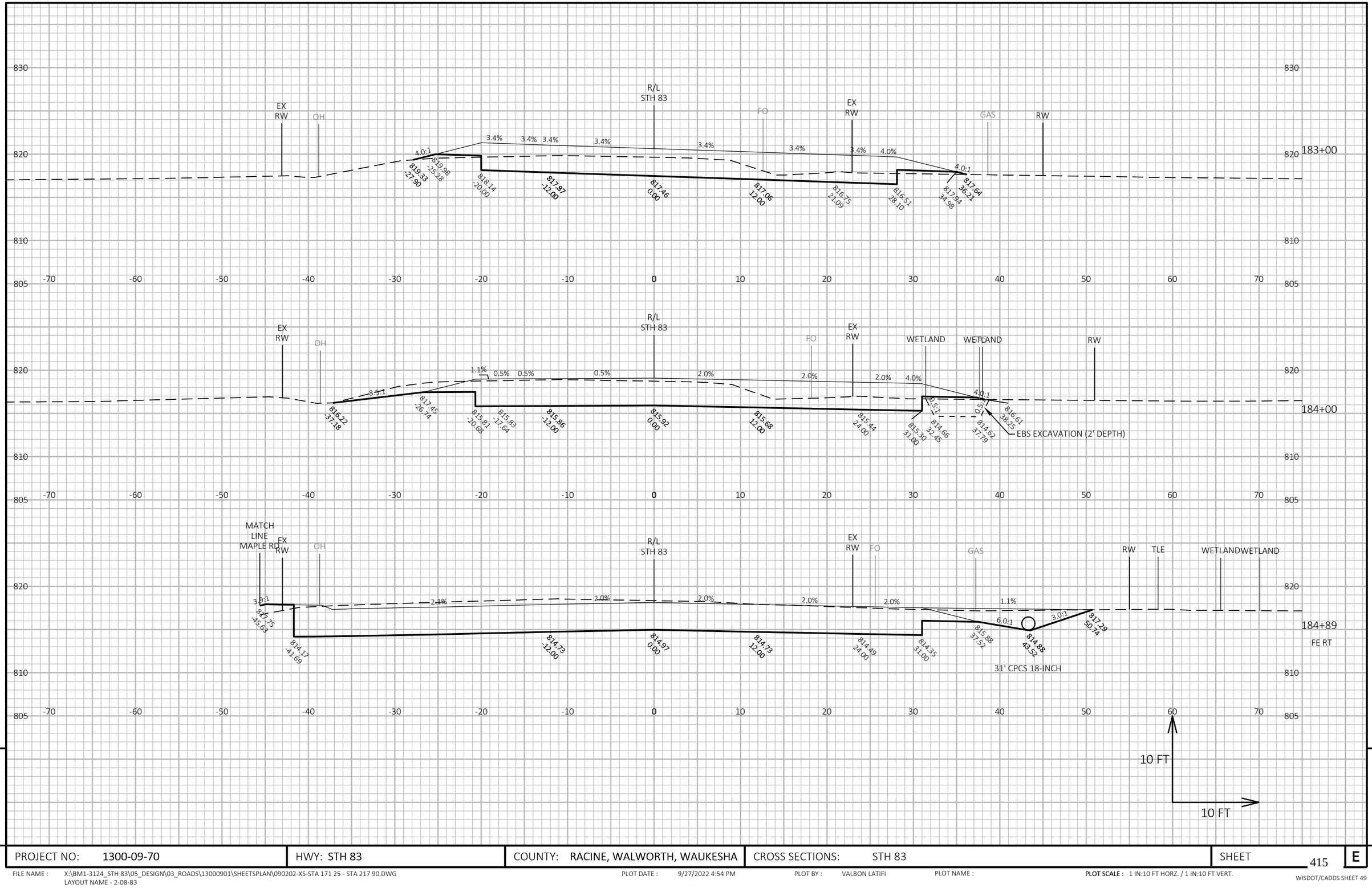


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 414	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-07-83

PLOT DATE : 9/27/2022 4:54 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

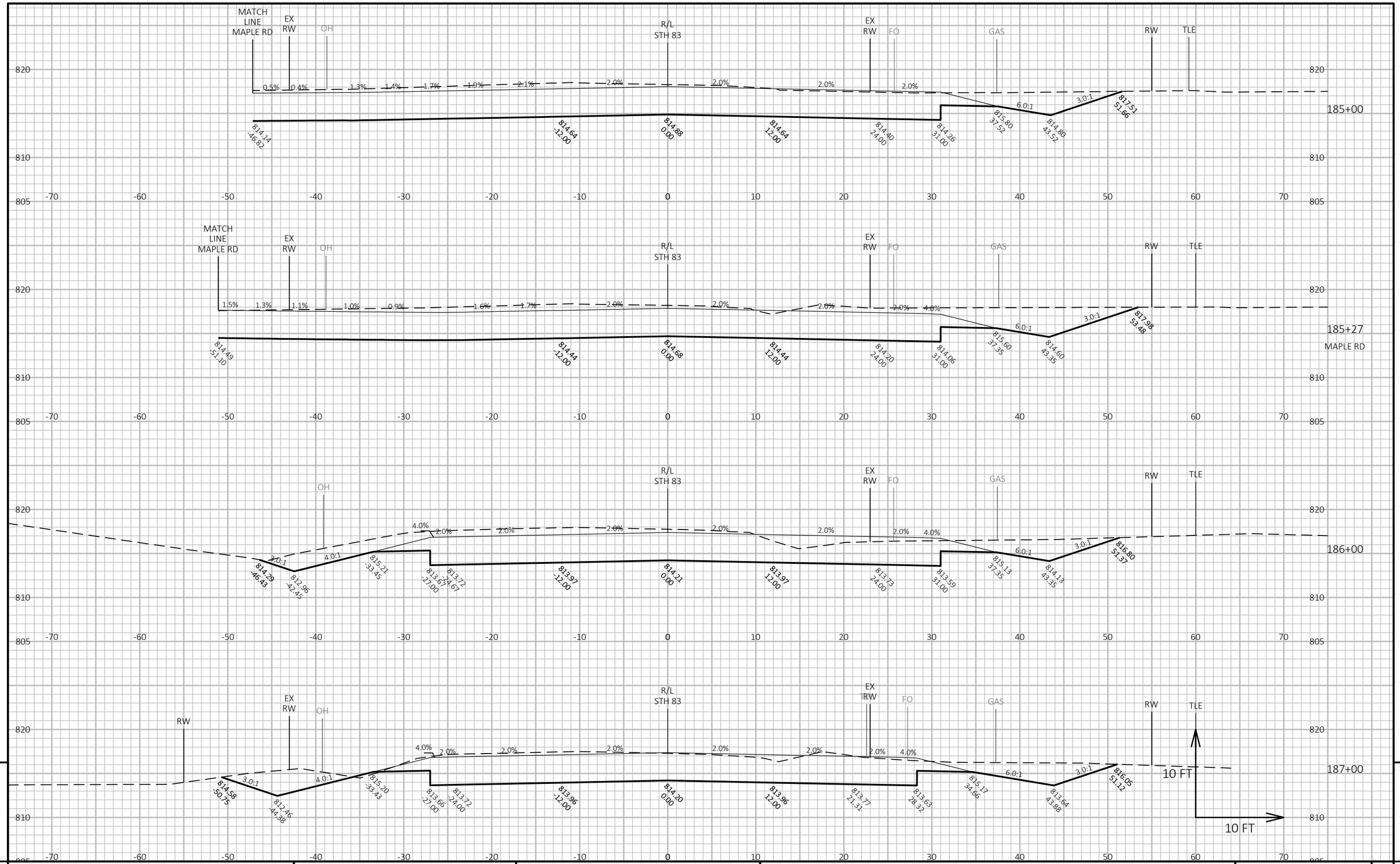
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 415	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-08-83

PLOT DATE : 9/27/2022 4:54 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 416	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-09-83

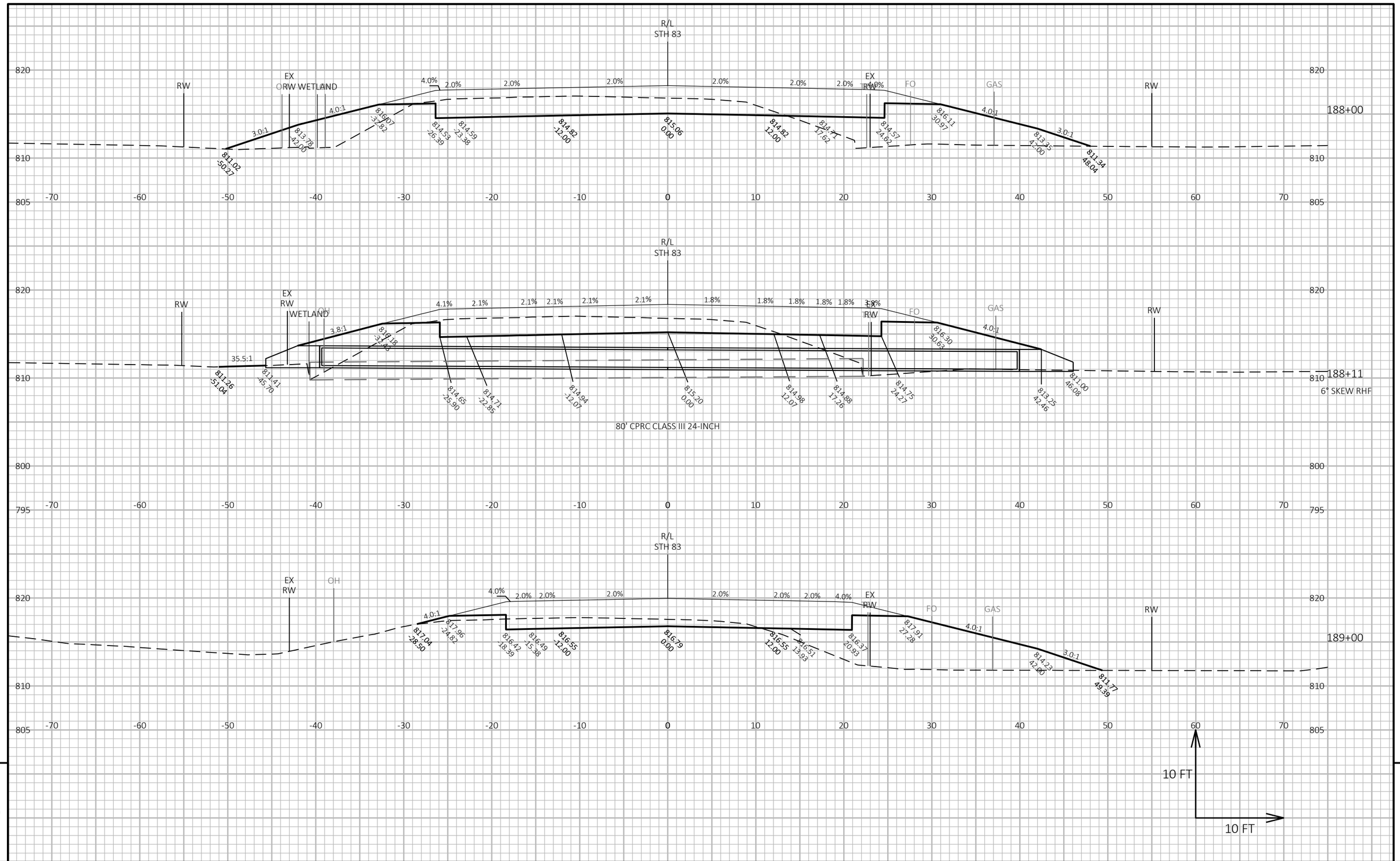
PLOT DATE : 9/27/2022 4:54 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

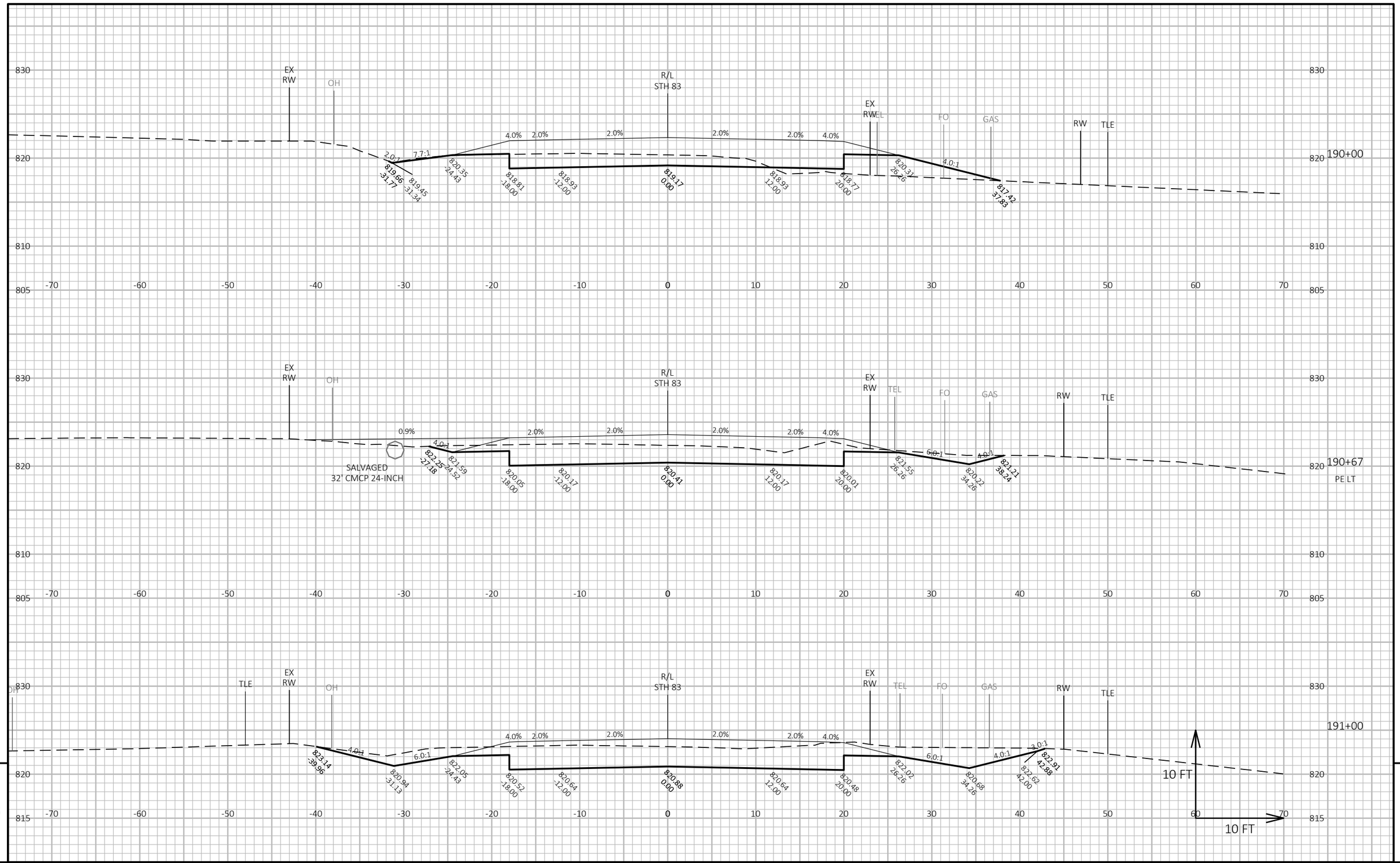


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 417 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-10-83

PLOT DATE : 9/27/2022 4:54 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

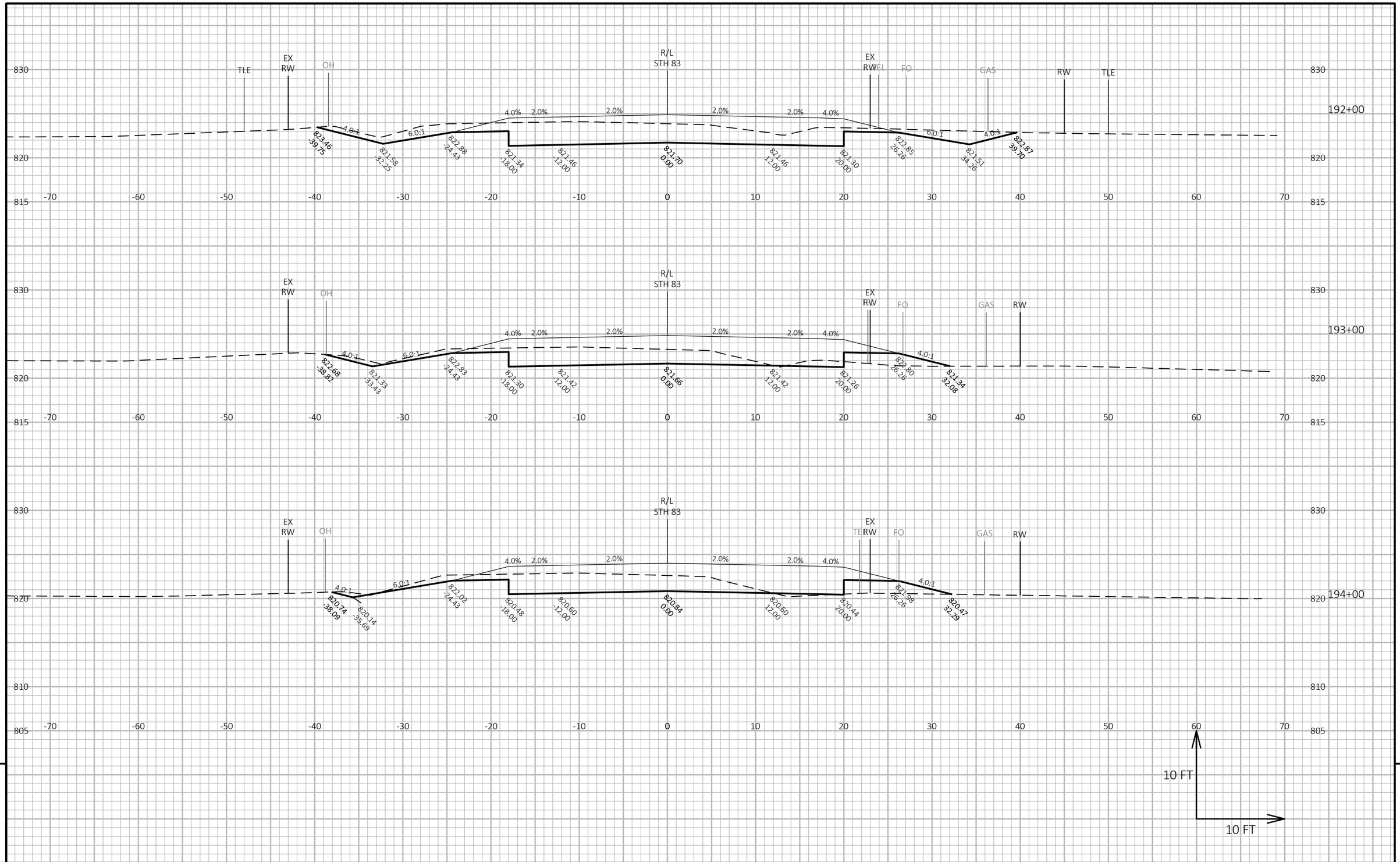


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 418	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-11-83

PLOT DATE : 9/27/2022 4:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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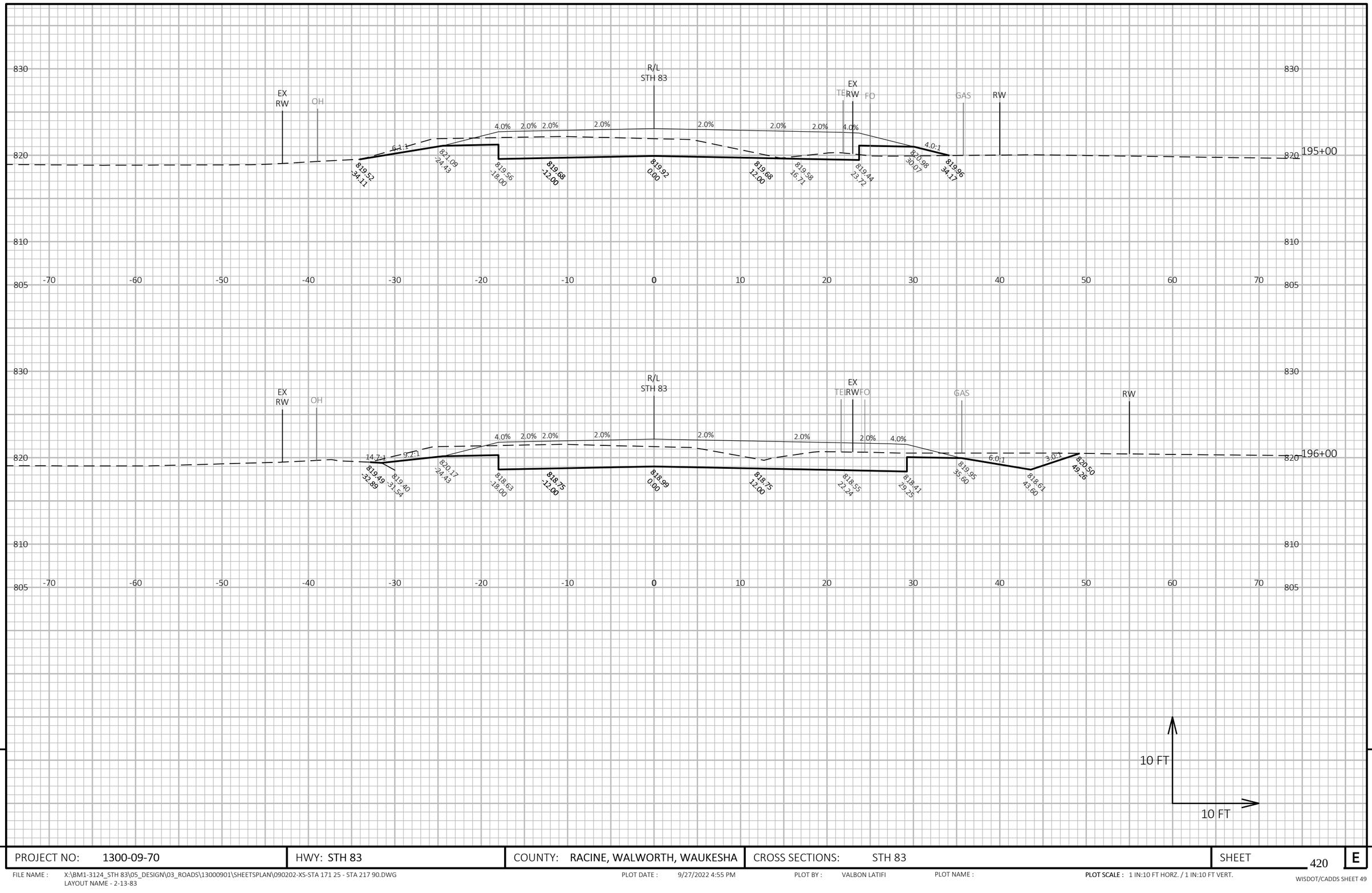
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 419	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-12-83

PLOT DATE : 9/27/2022 4:55 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

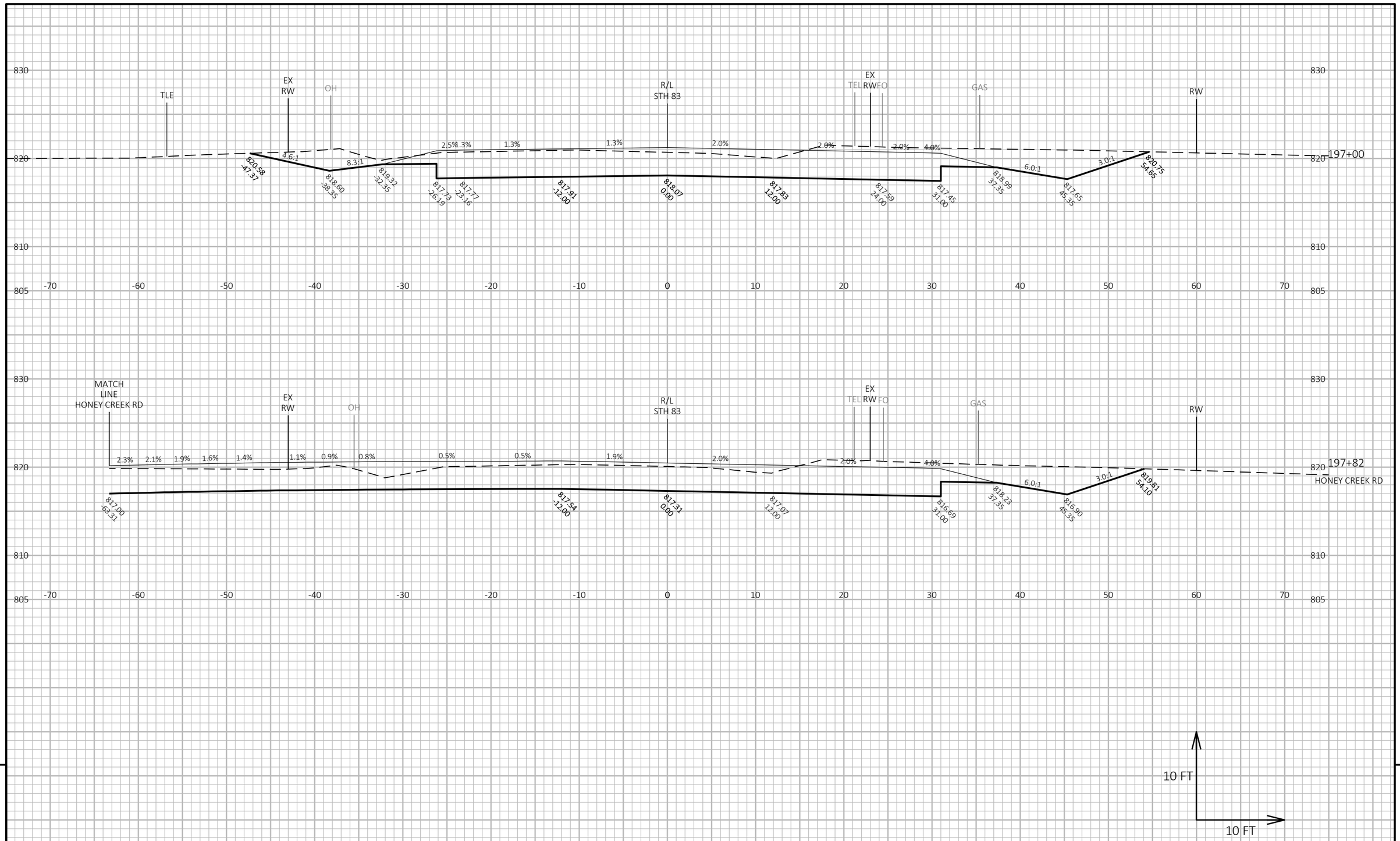


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 420	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-13-83

PLOT DATE : 9/27/2022 4:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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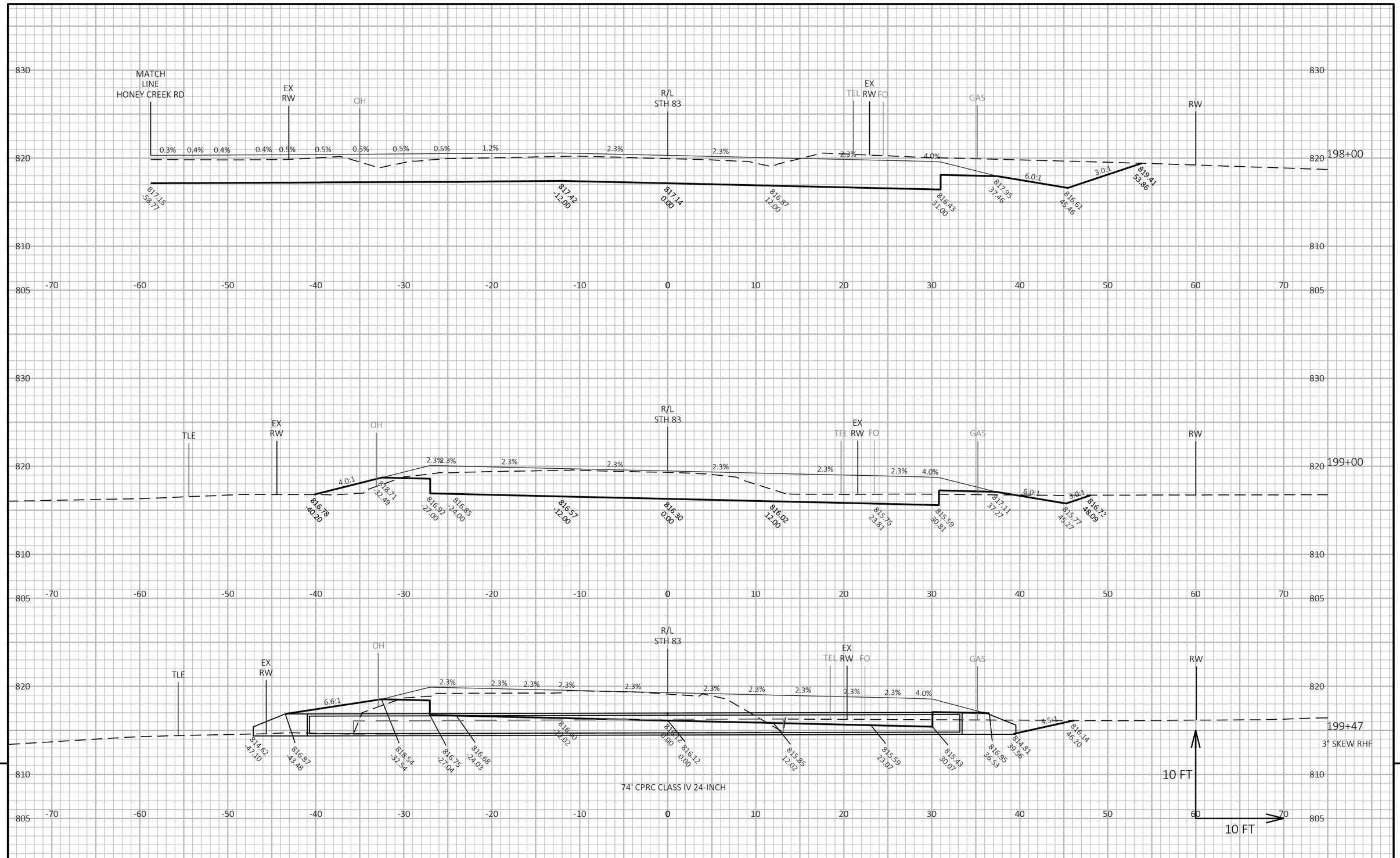
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 421	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-14-83

PLOT DATE : 9/27/2022 4:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

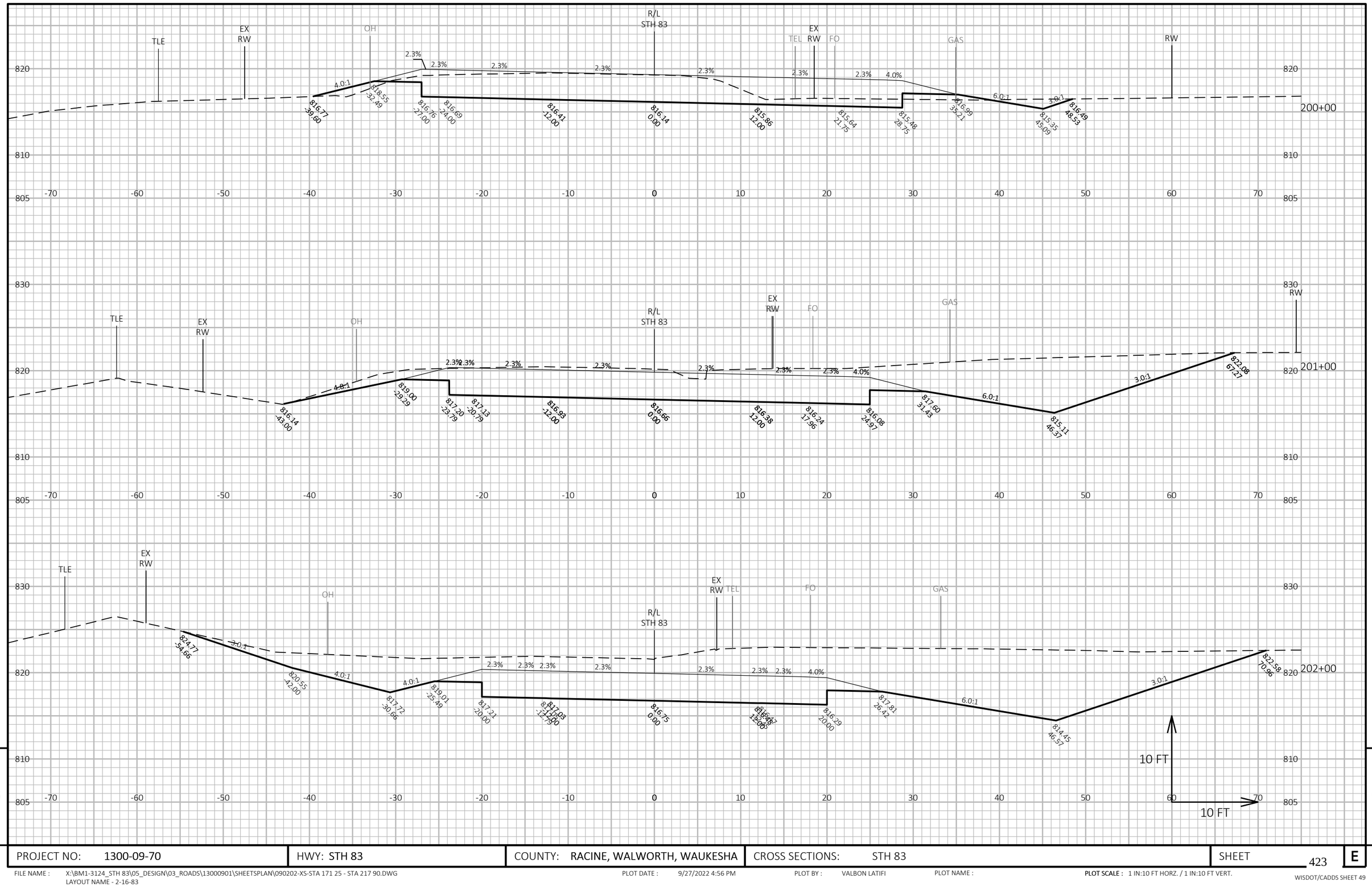
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 422	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-15-83

PLOT DATE : 9/27/2022 4:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

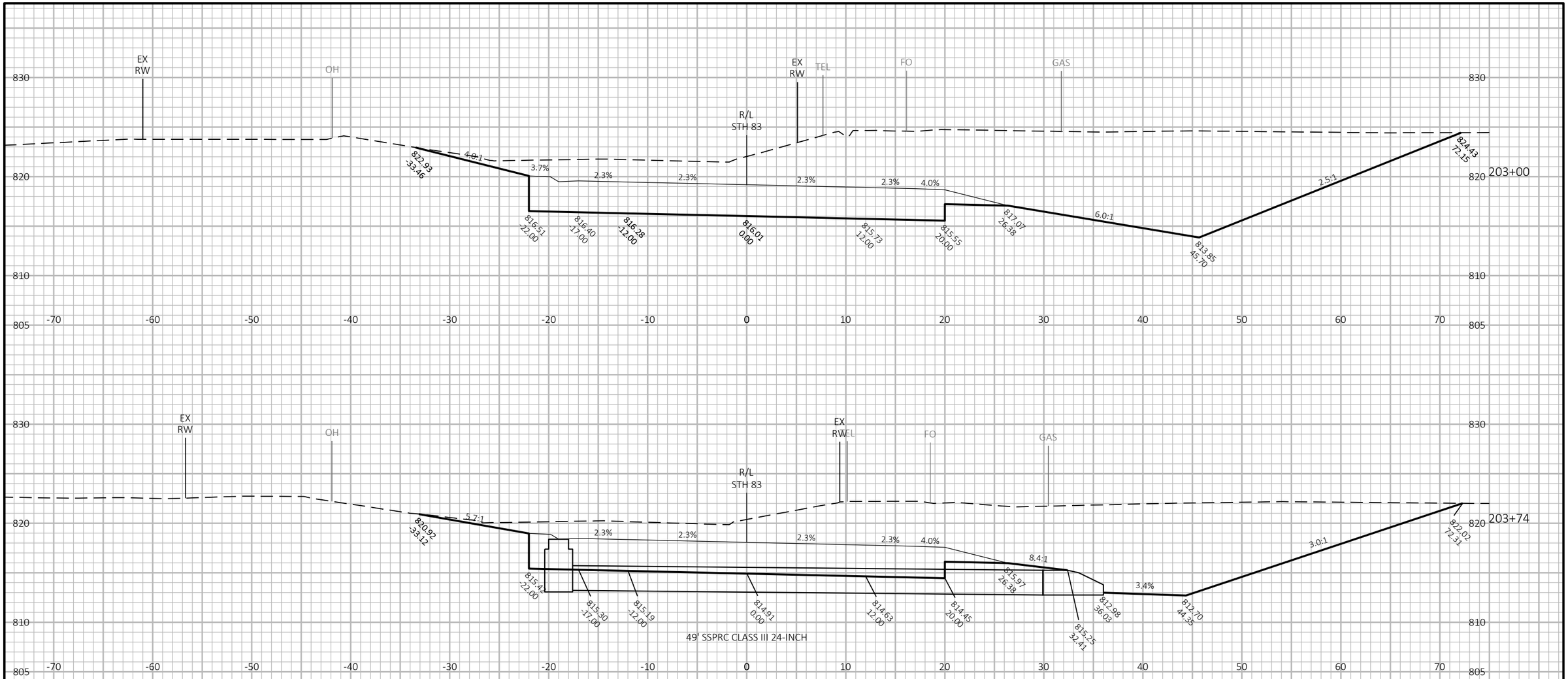
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 423	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-16-83

PLOT DATE : 9/27/2022 4:56 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

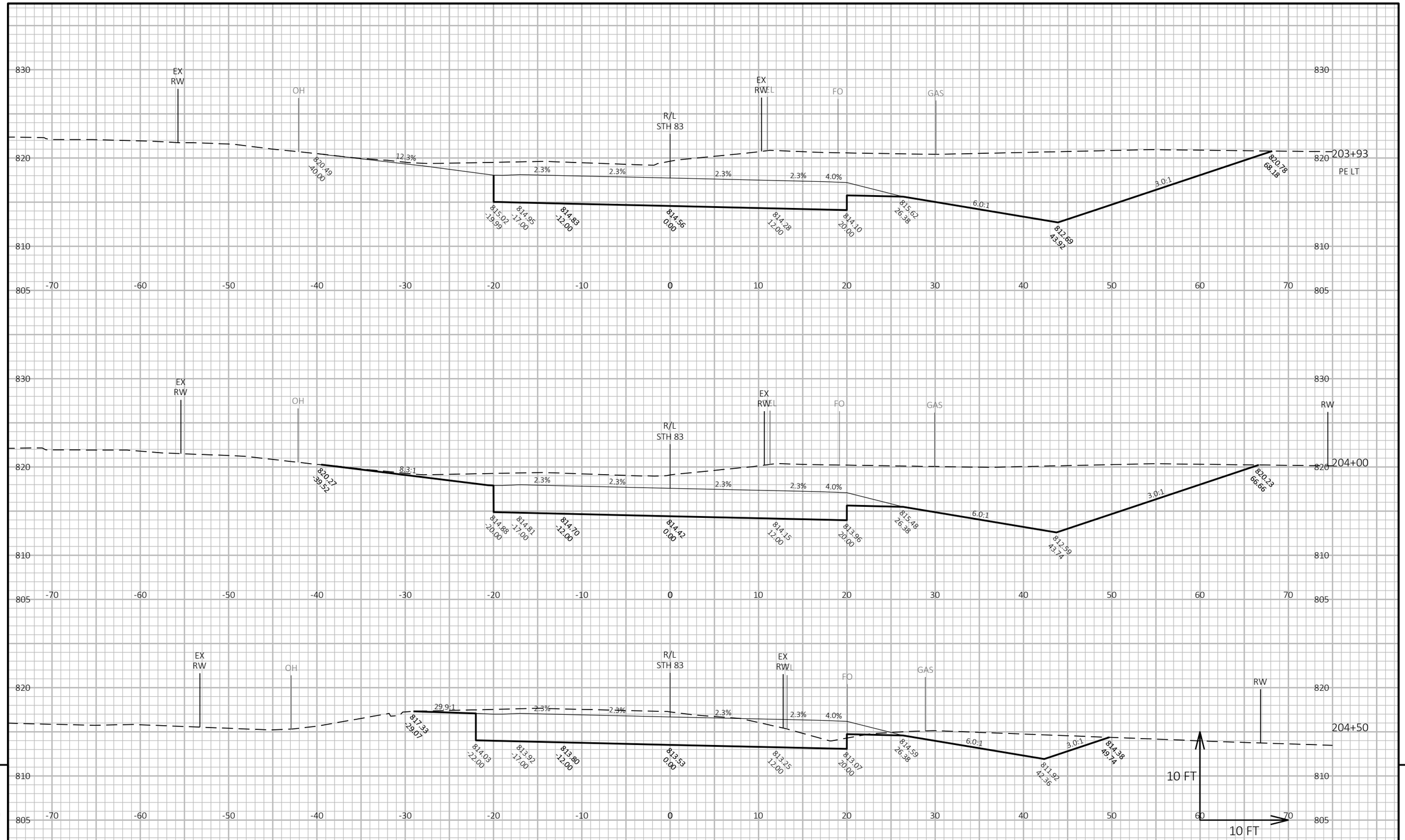


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 424	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-17-83

PLOT DATE : 10/18/2022 2:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

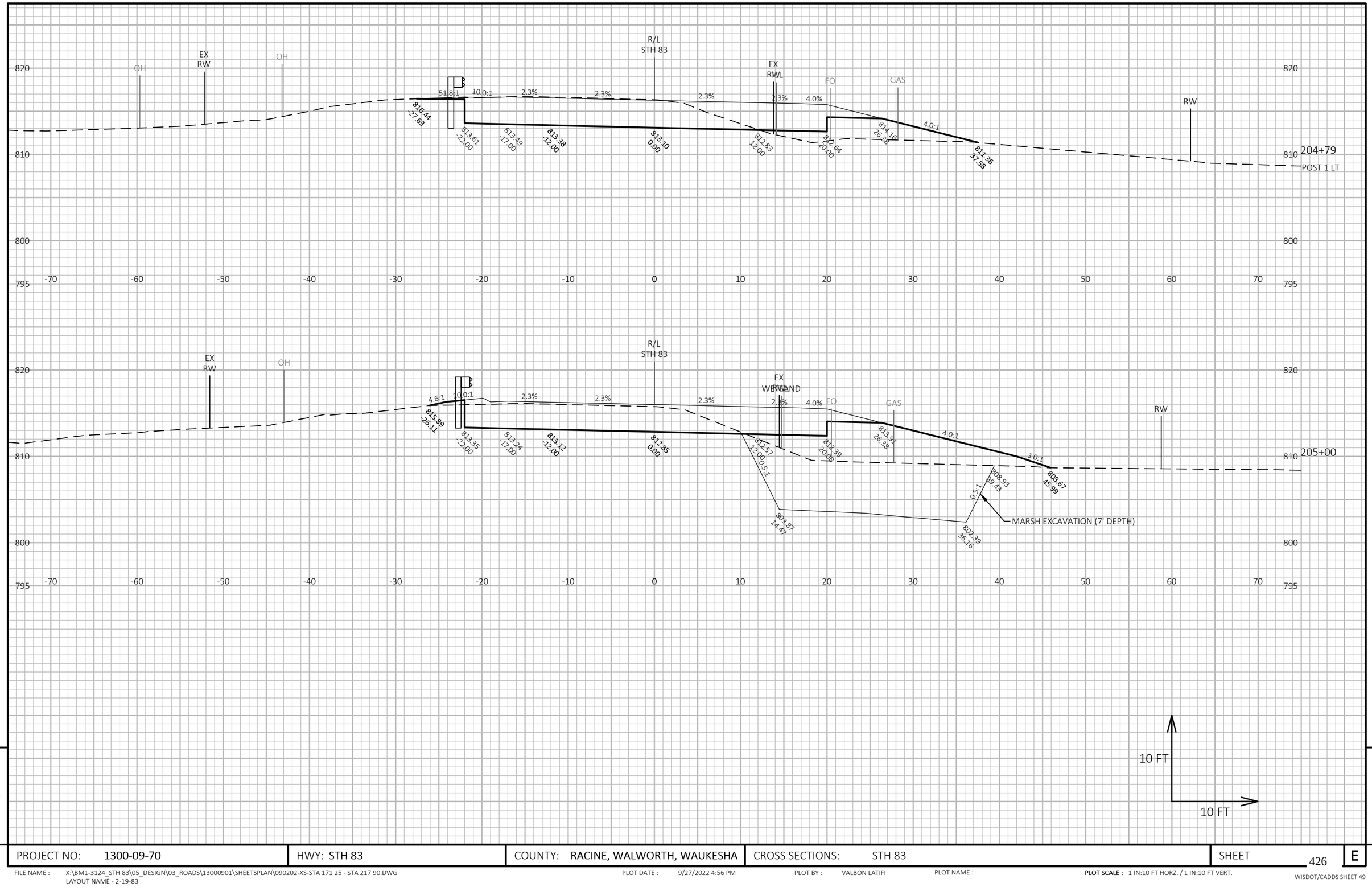


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 425	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-18-83

PLOT DATE : 9/27/2022 4:56 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 426	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-19-83

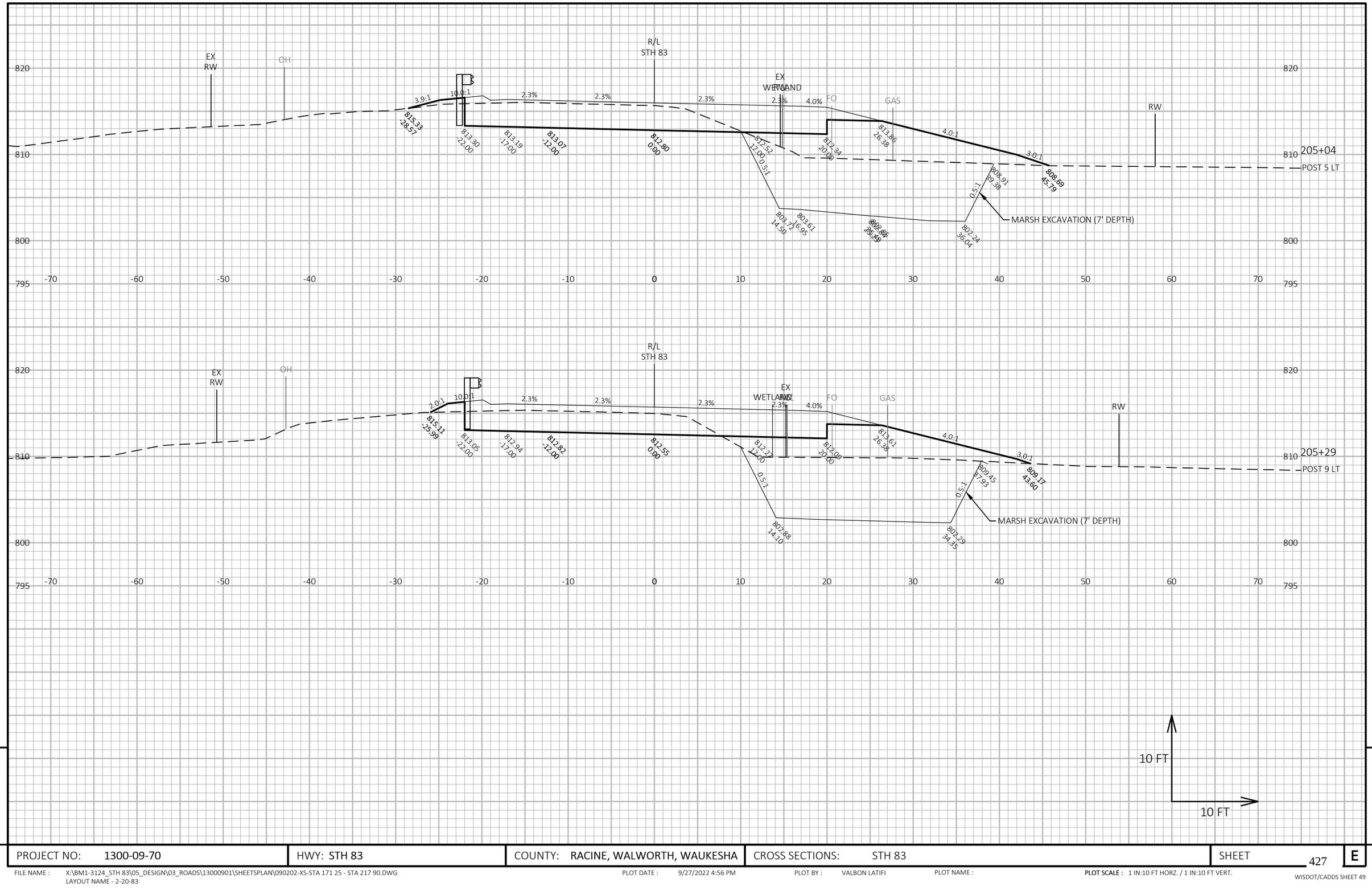
PLOT DATE : 9/27/2022 4:56 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

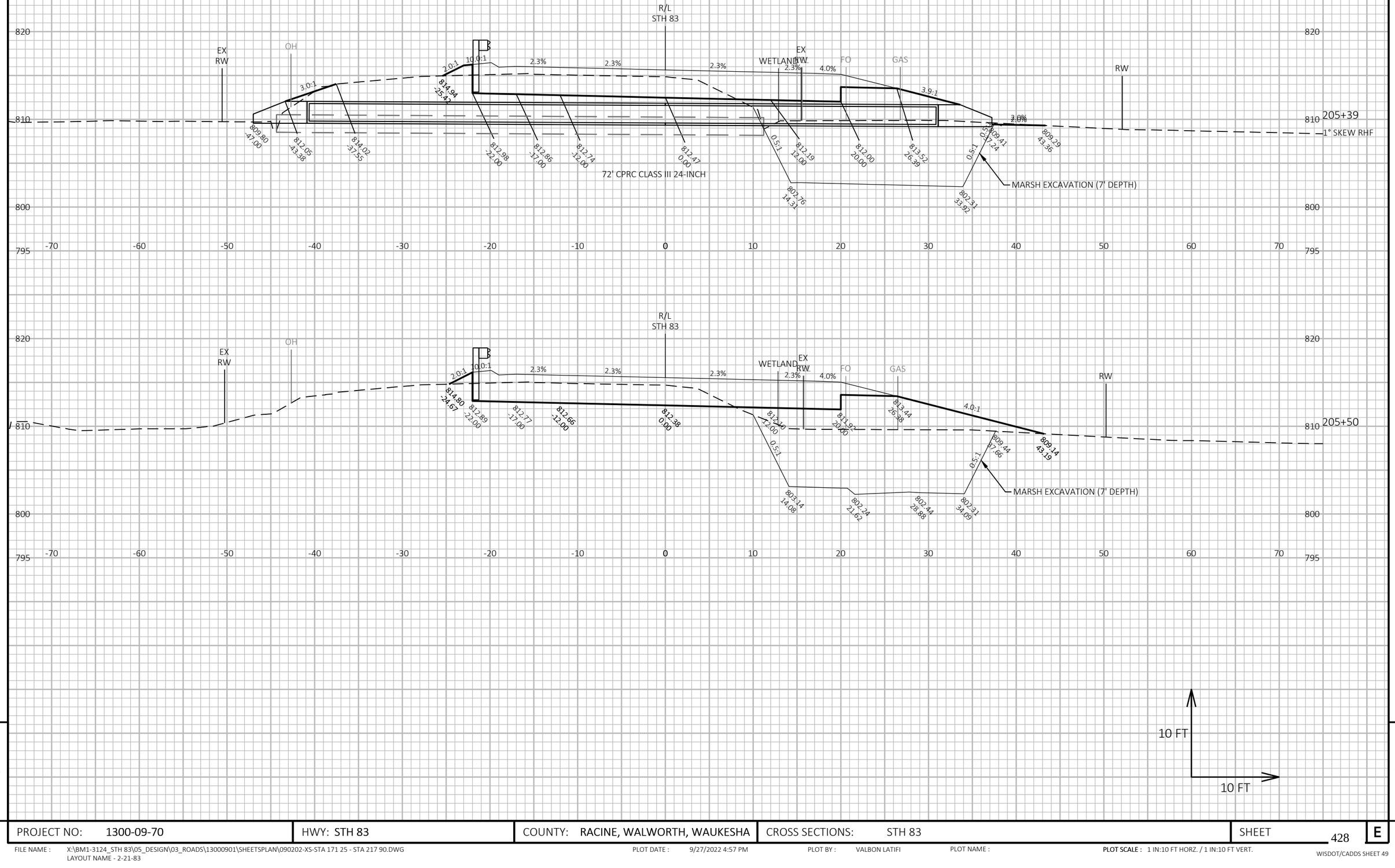
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 427	E

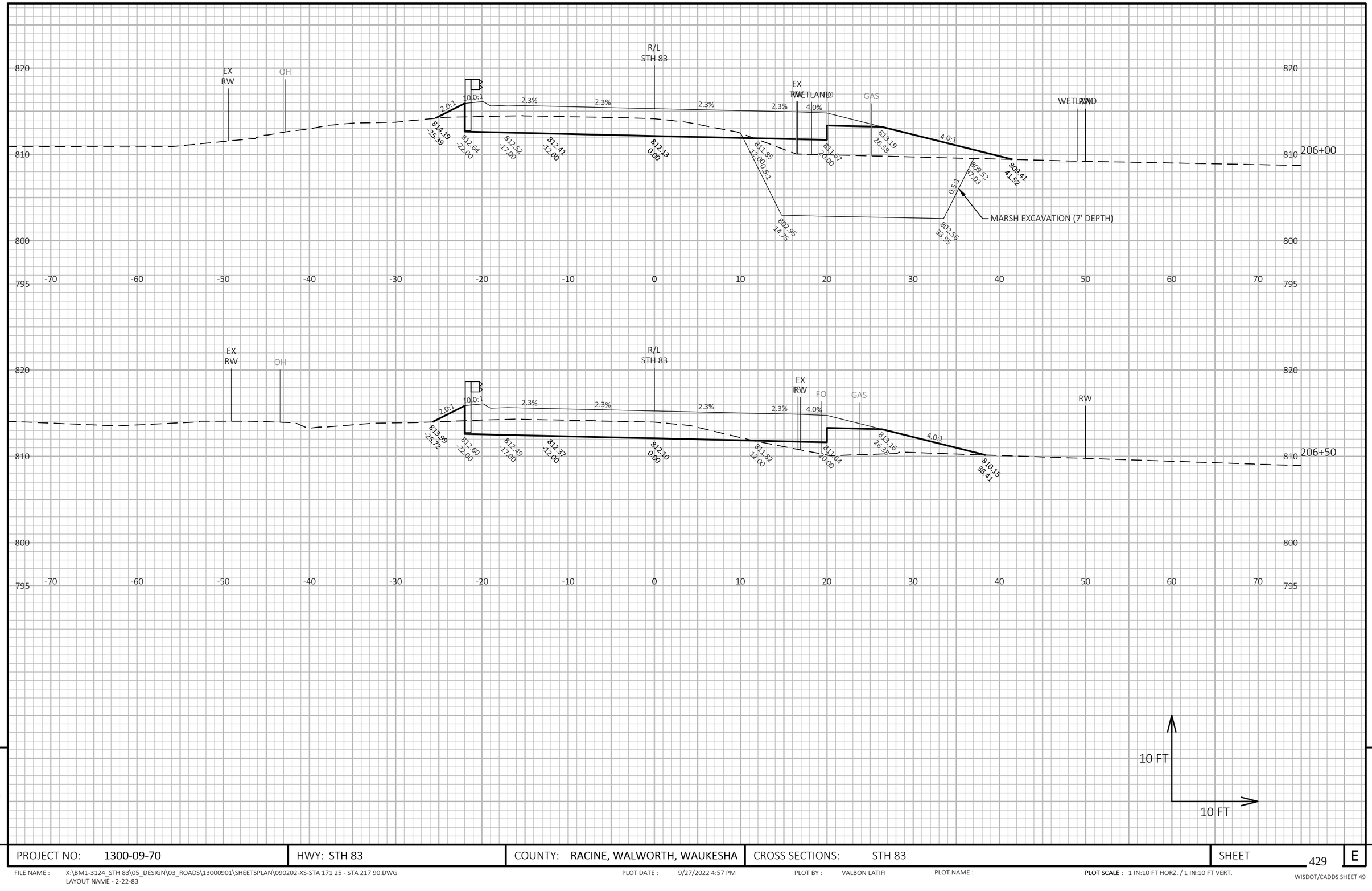
FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-20-83

PLOT DATE : 9/27/2022 4:56 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 428	E



9

9

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 429	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-22-83

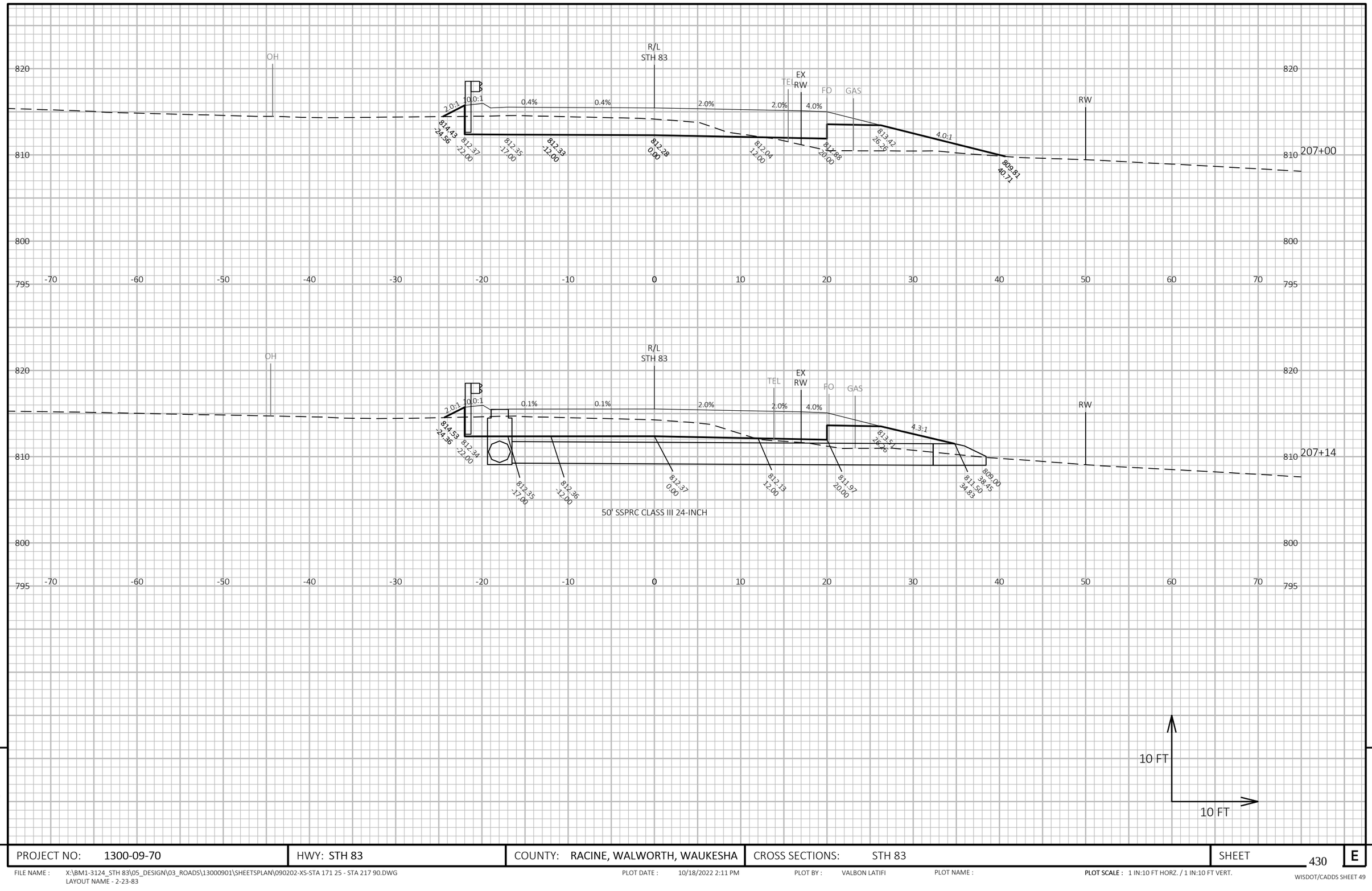
PLOT DATE : 9/27/2022 4:57 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

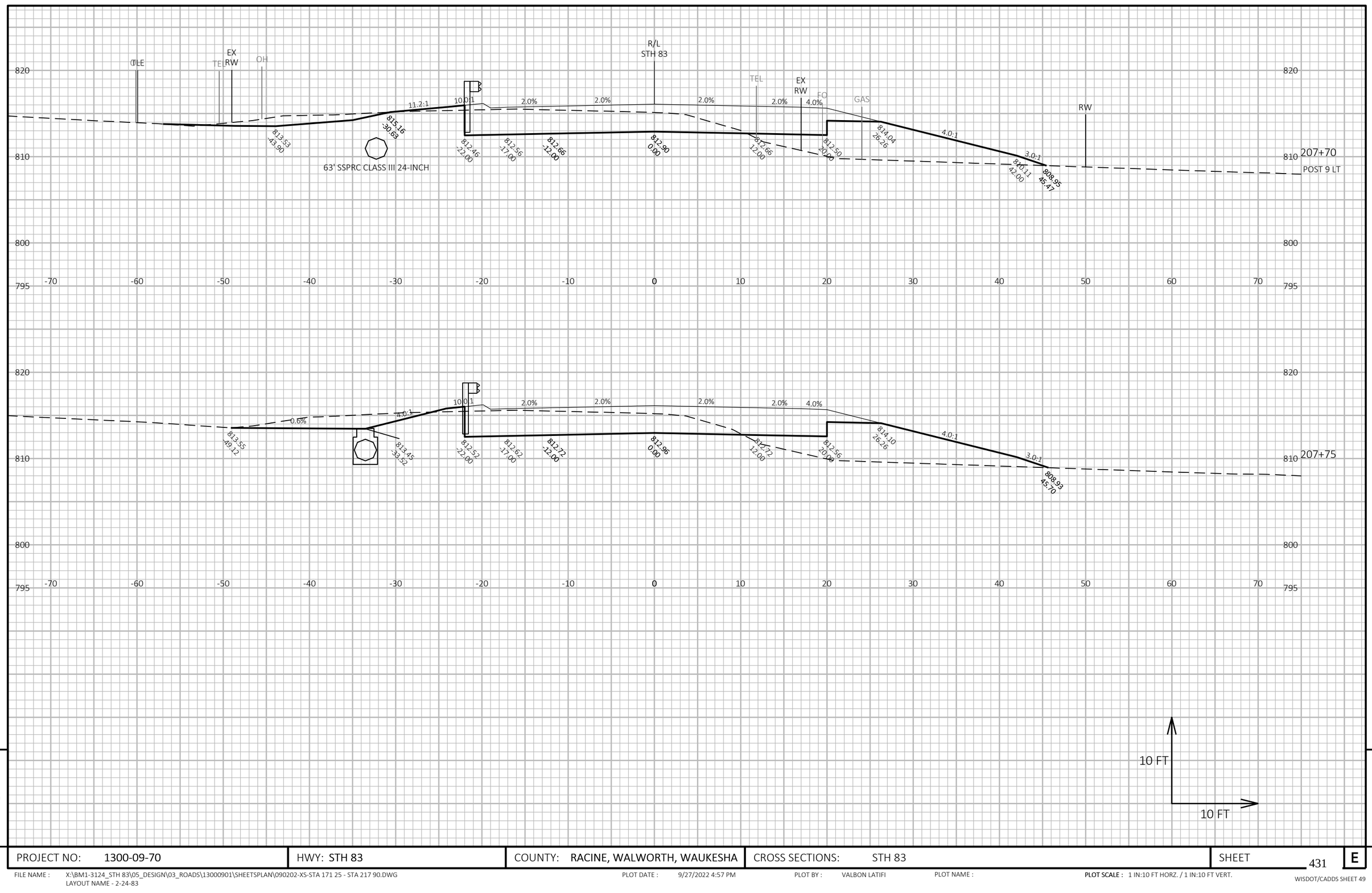


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 430	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-23-83

PLOT DATE : 10/18/2022 2:11 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

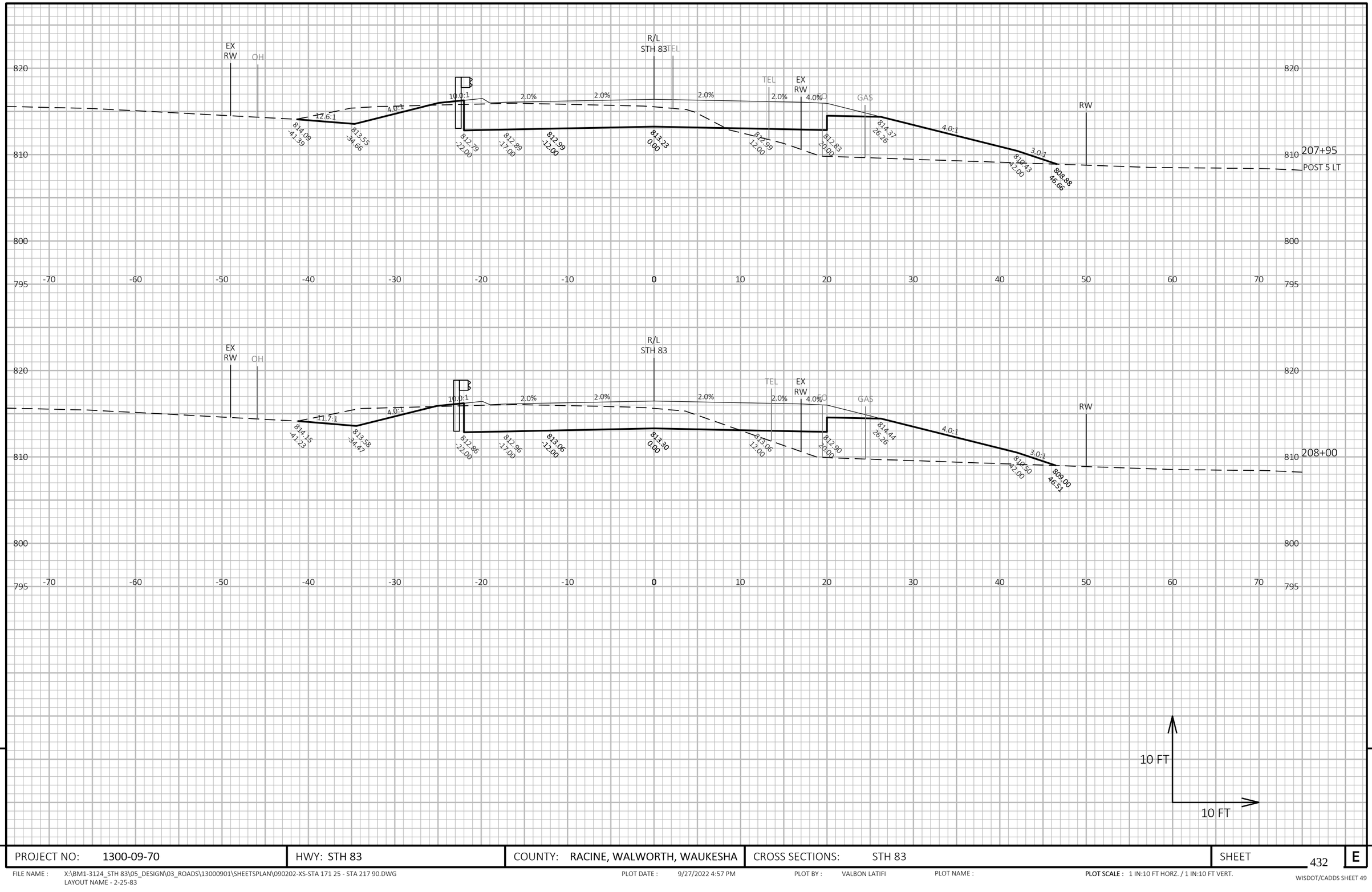


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 431	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-24-83

PLOT DATE : 9/27/2022 4:57 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

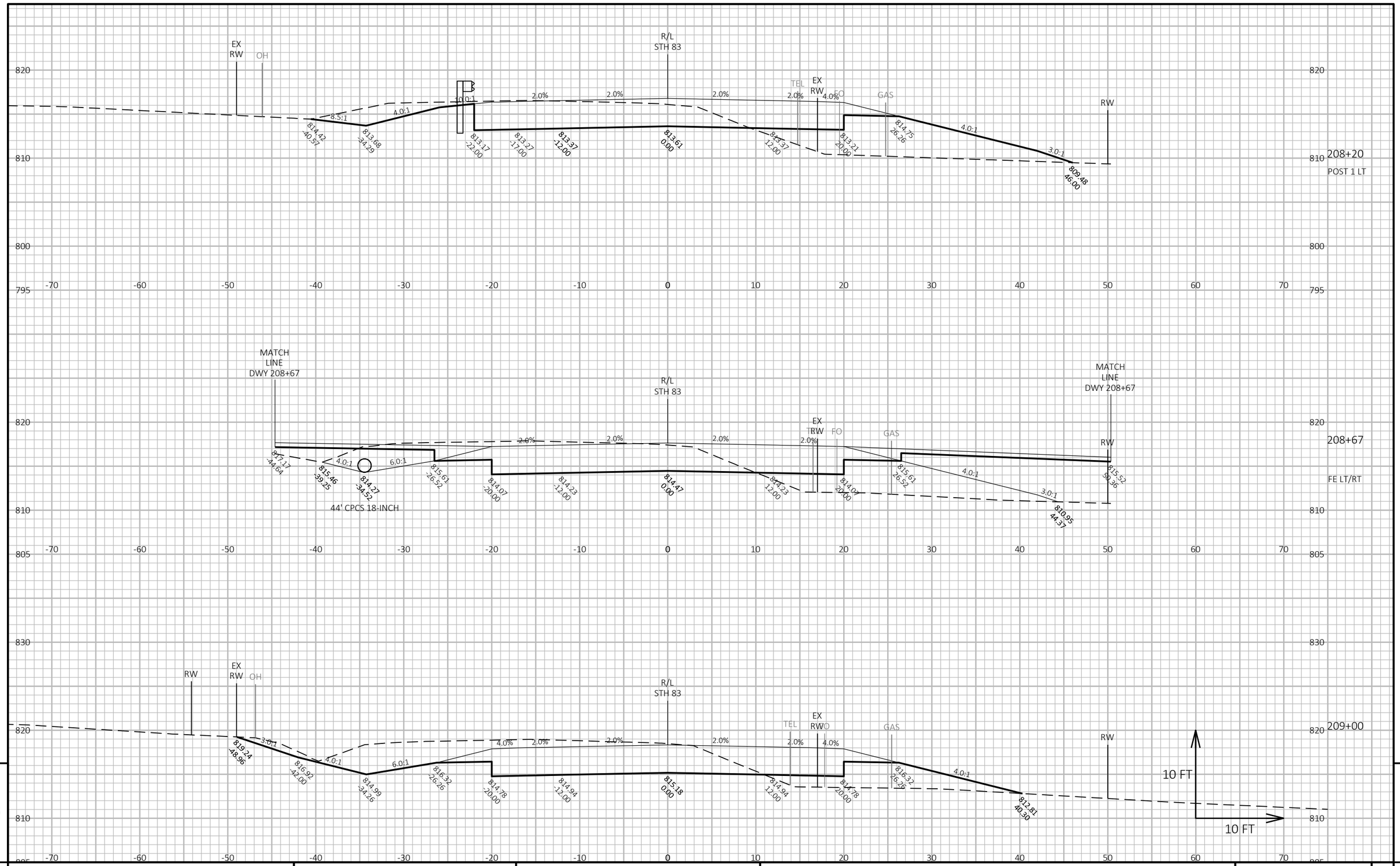


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 432	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-25-83

PLOT DATE : 9/27/2022 4:57 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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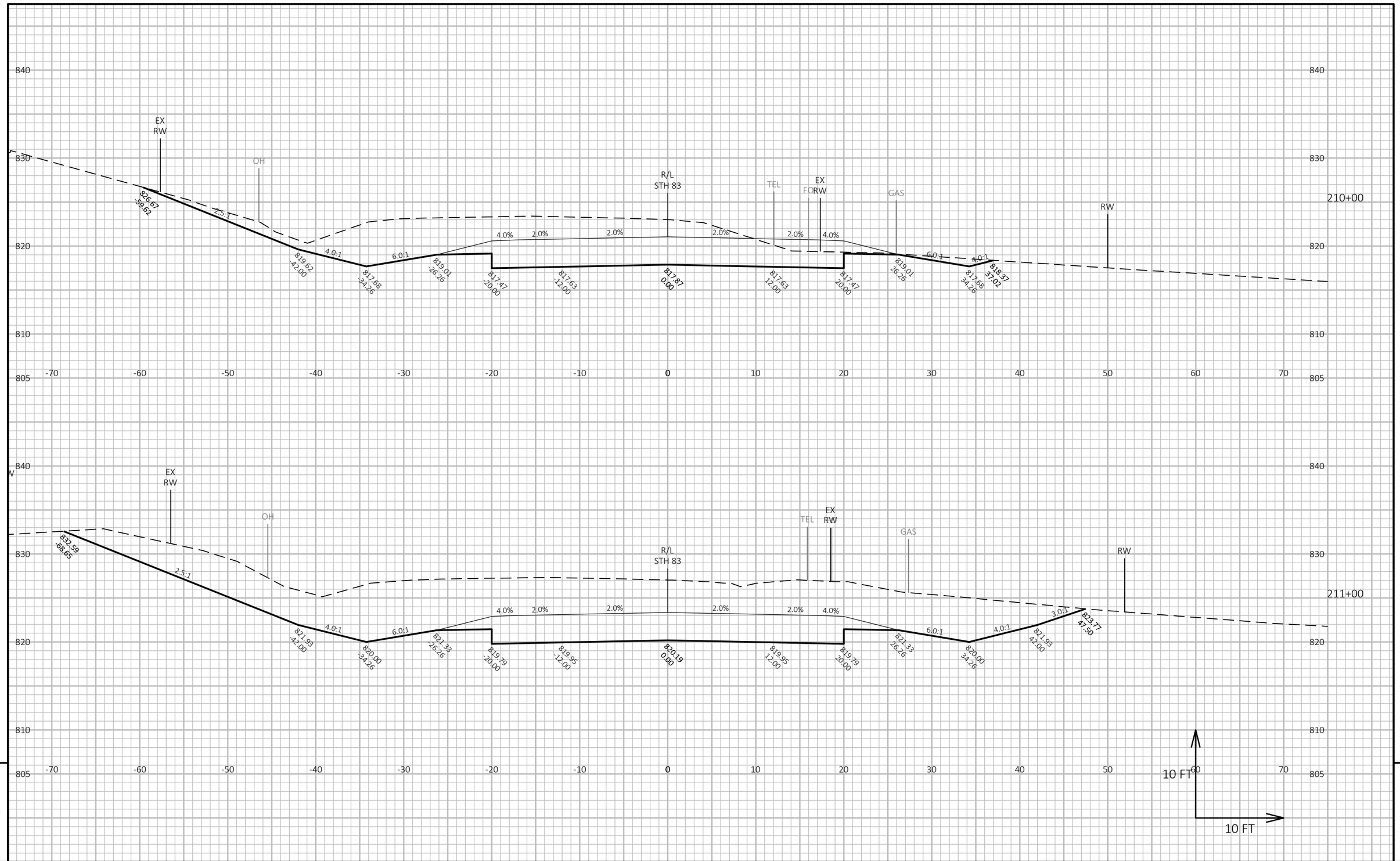
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 433	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-26-83

PLOT DATE : 9/27/2022 4:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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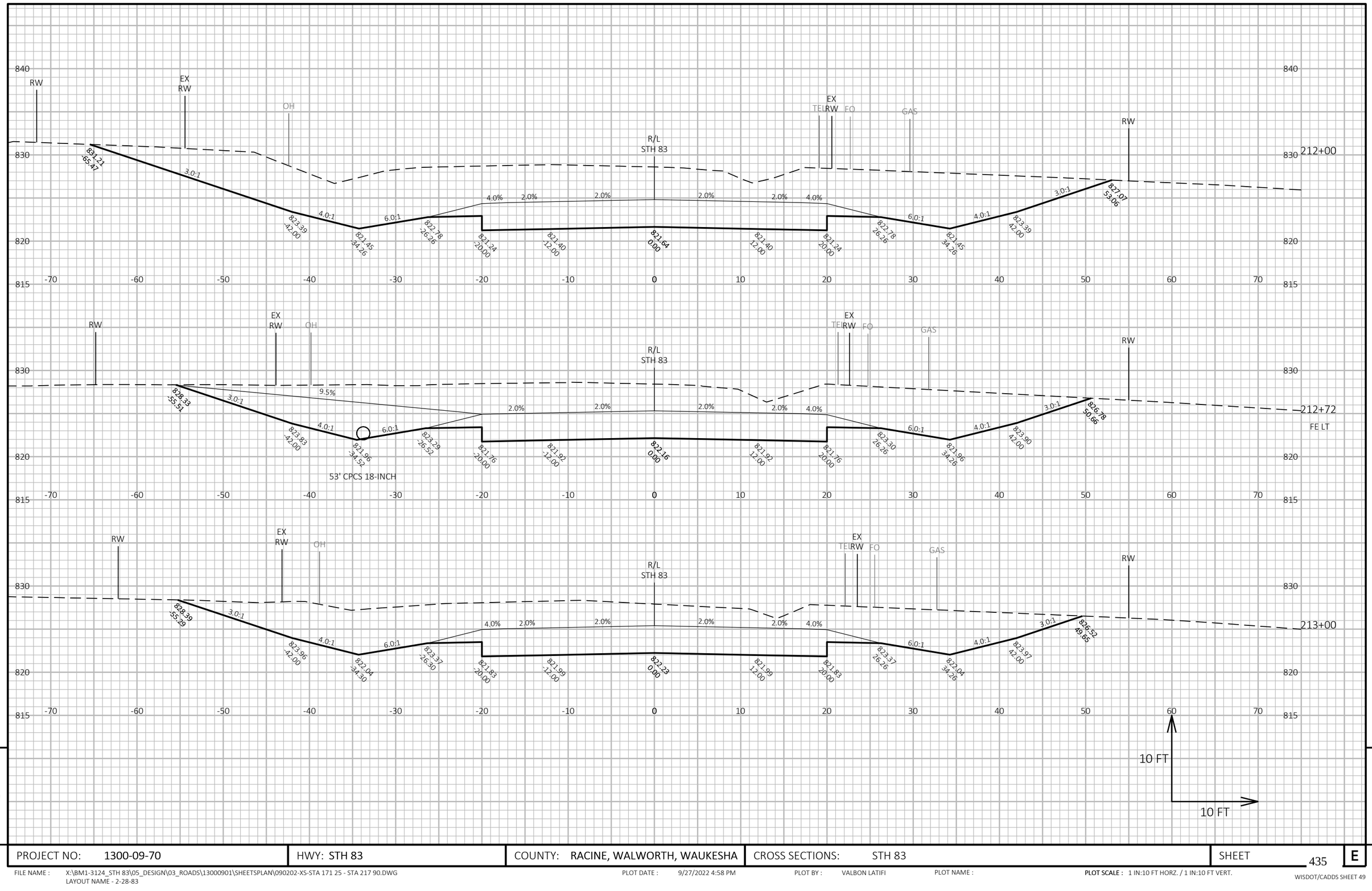
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 434	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-27-83

PLOT DATE : 9/27/2022 4:58 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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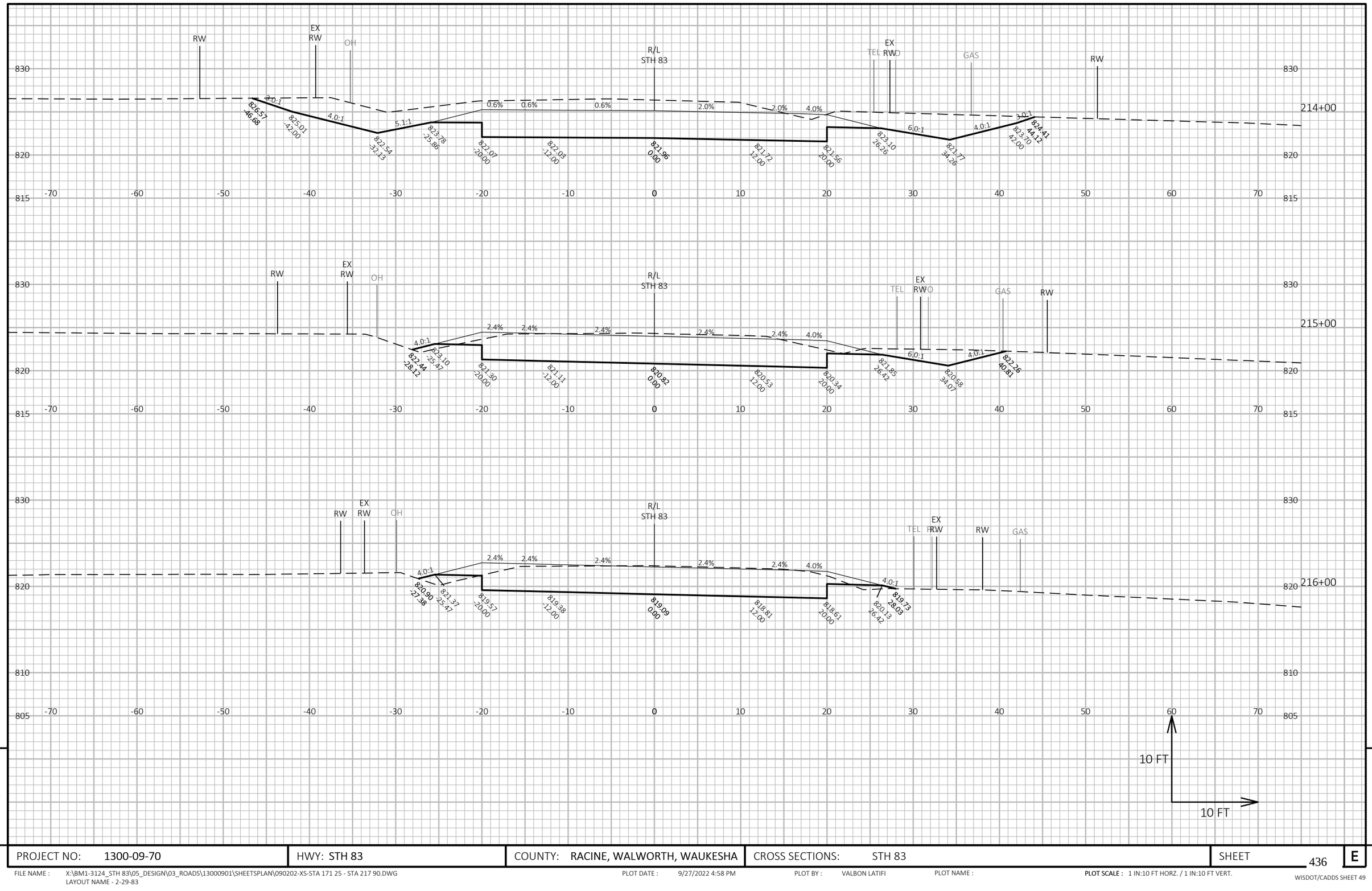
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 435	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-28-83

PLOT DATE : 9/27/2022 4:58 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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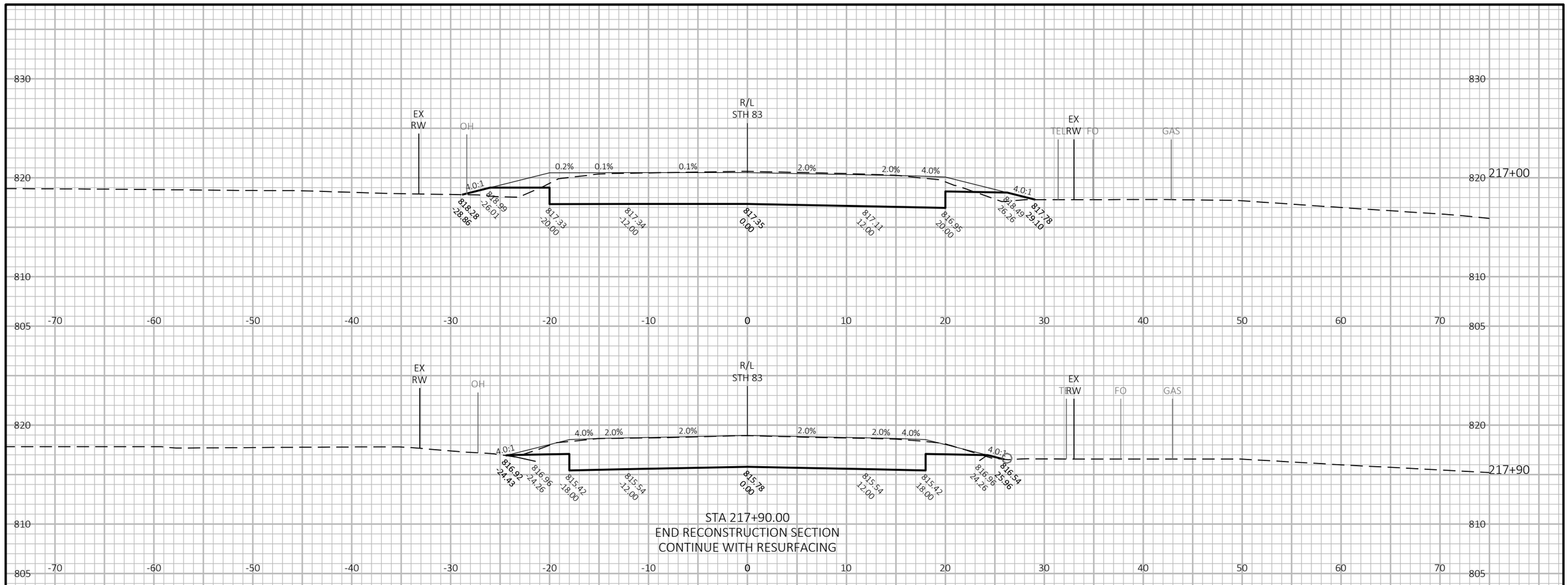
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 436	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-29-83

PLOT DATE : 9/27/2022 4:58 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

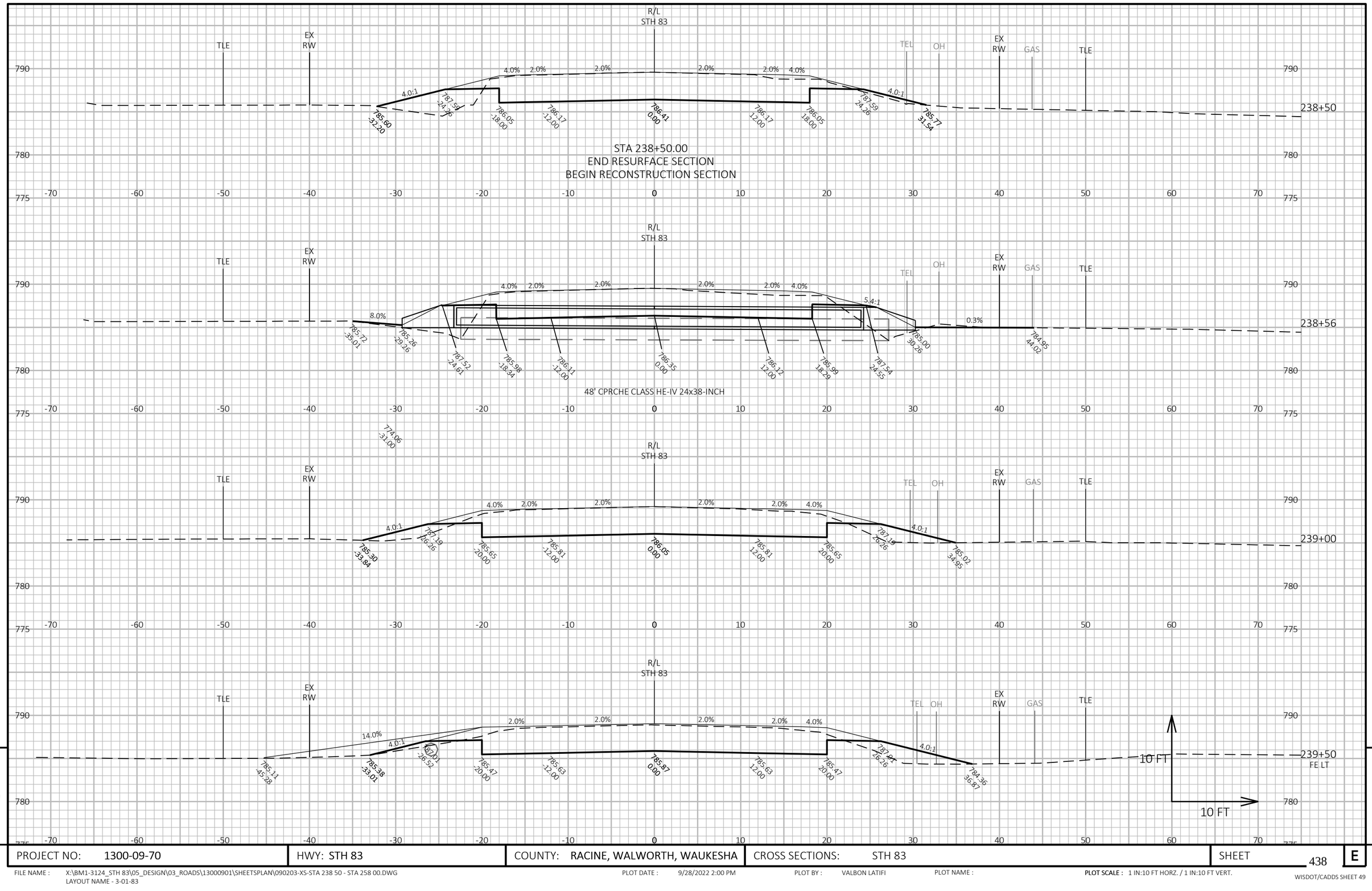
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 437	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090202-XS-STA 171 25 - STA 217 90.DWG
LAYOUT NAME - 2-30-83

PLOT DATE : 9/27/2022 4:58 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

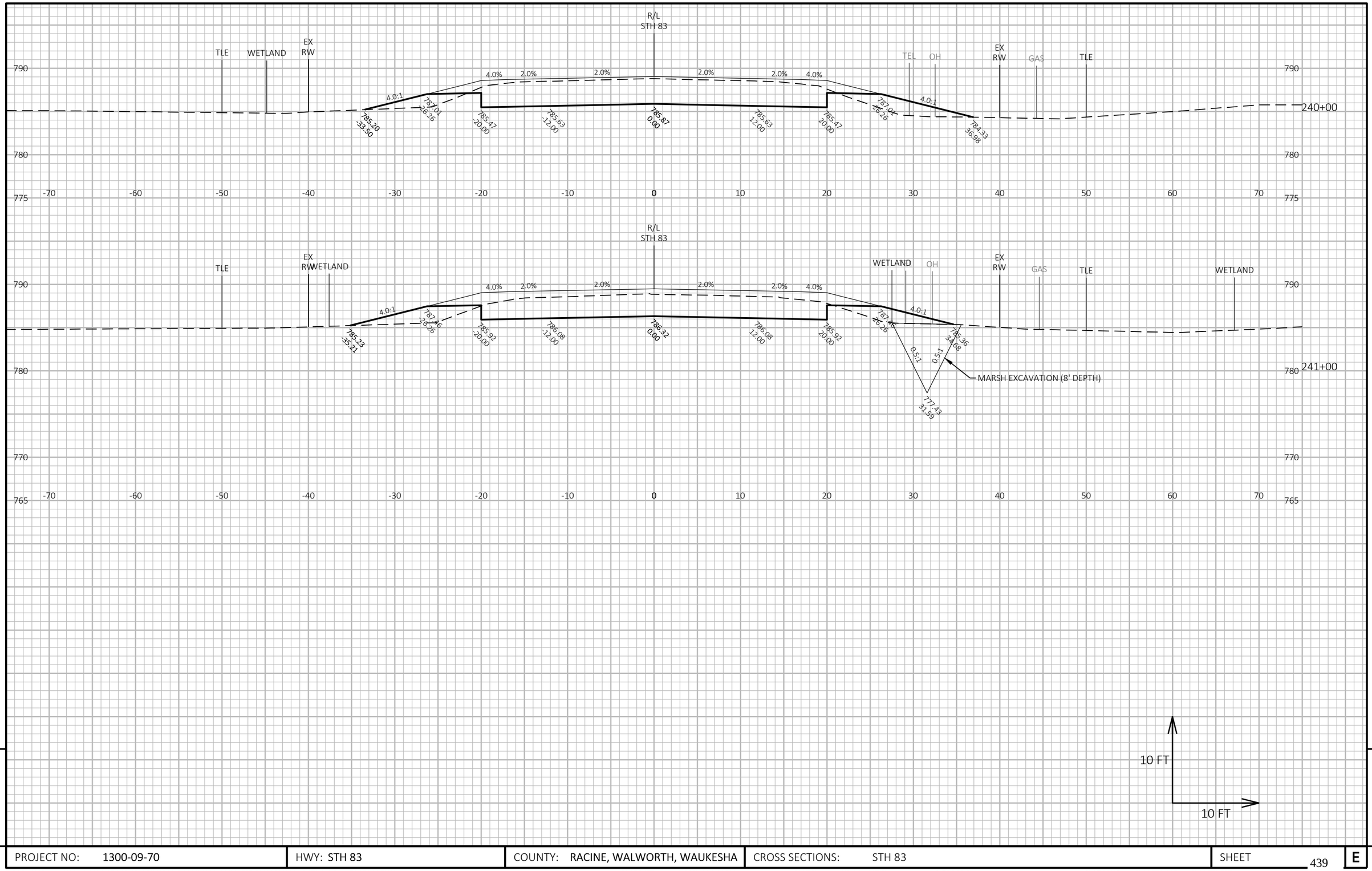


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 438	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-01-83

PLOT DATE : 9/28/2022 2:00 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

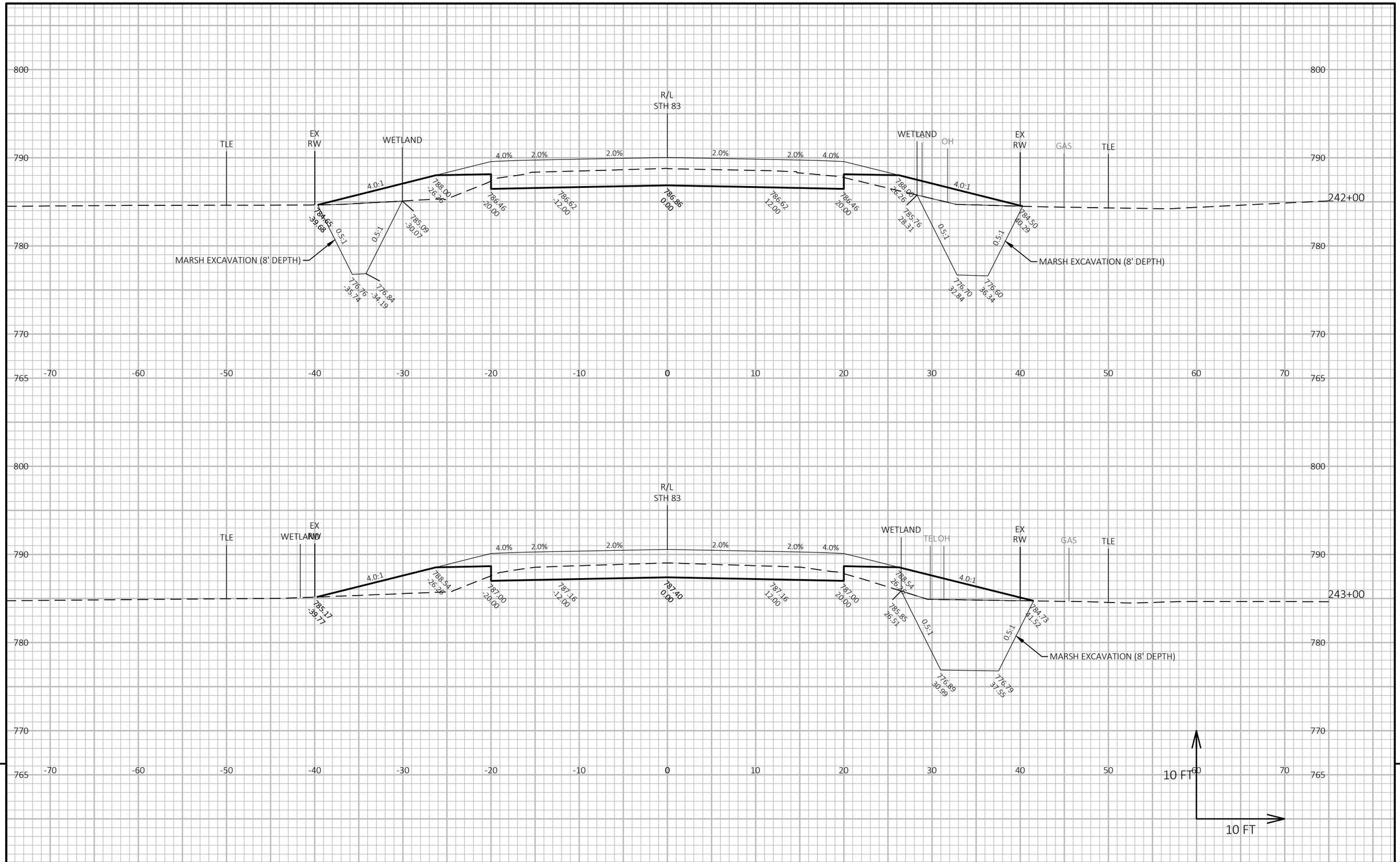
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 439	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-02-83

PLOT DATE : 9/28/2022 2:00 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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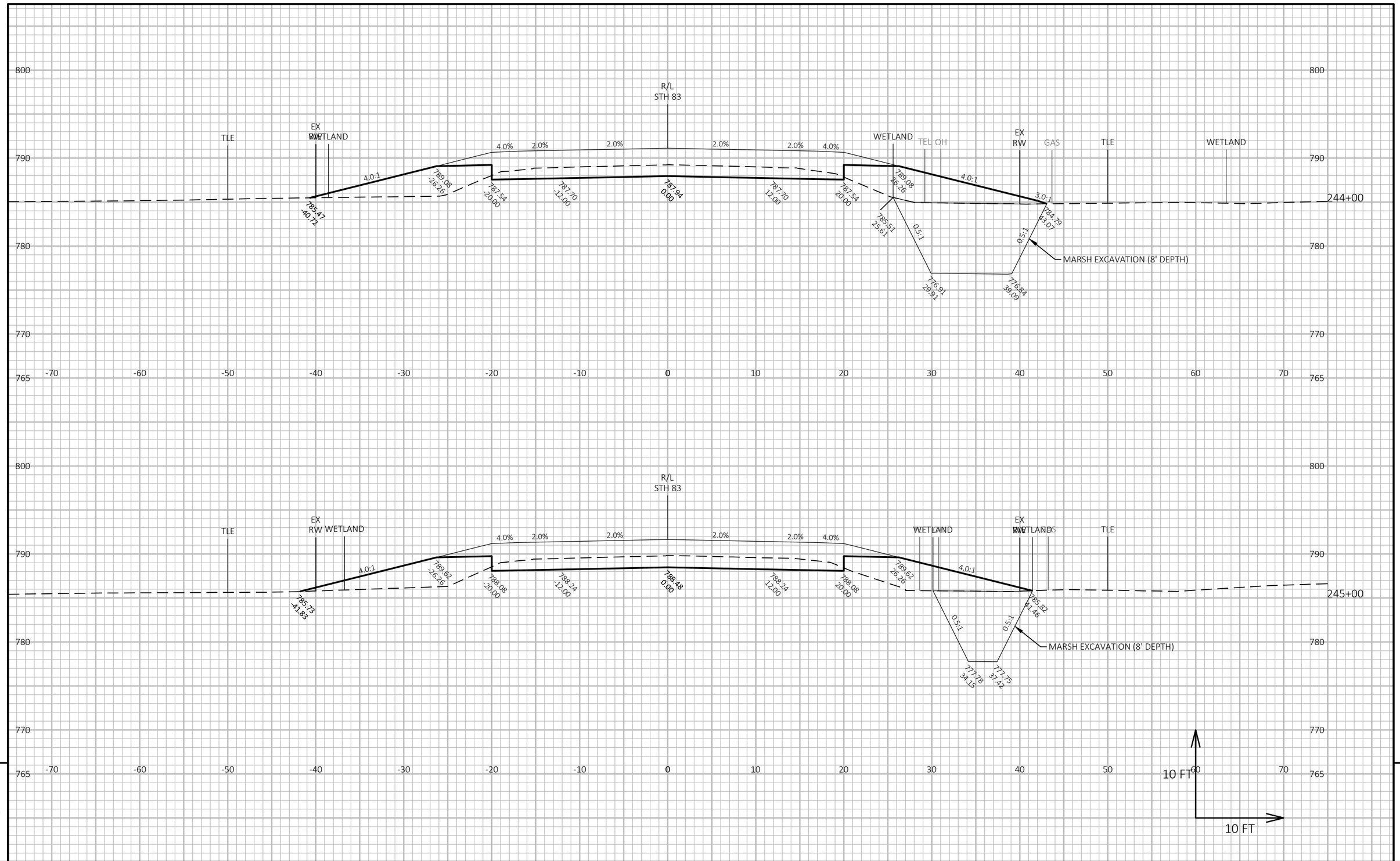
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 440	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-03-83

PLOT DATE : 9/28/2022 2:00 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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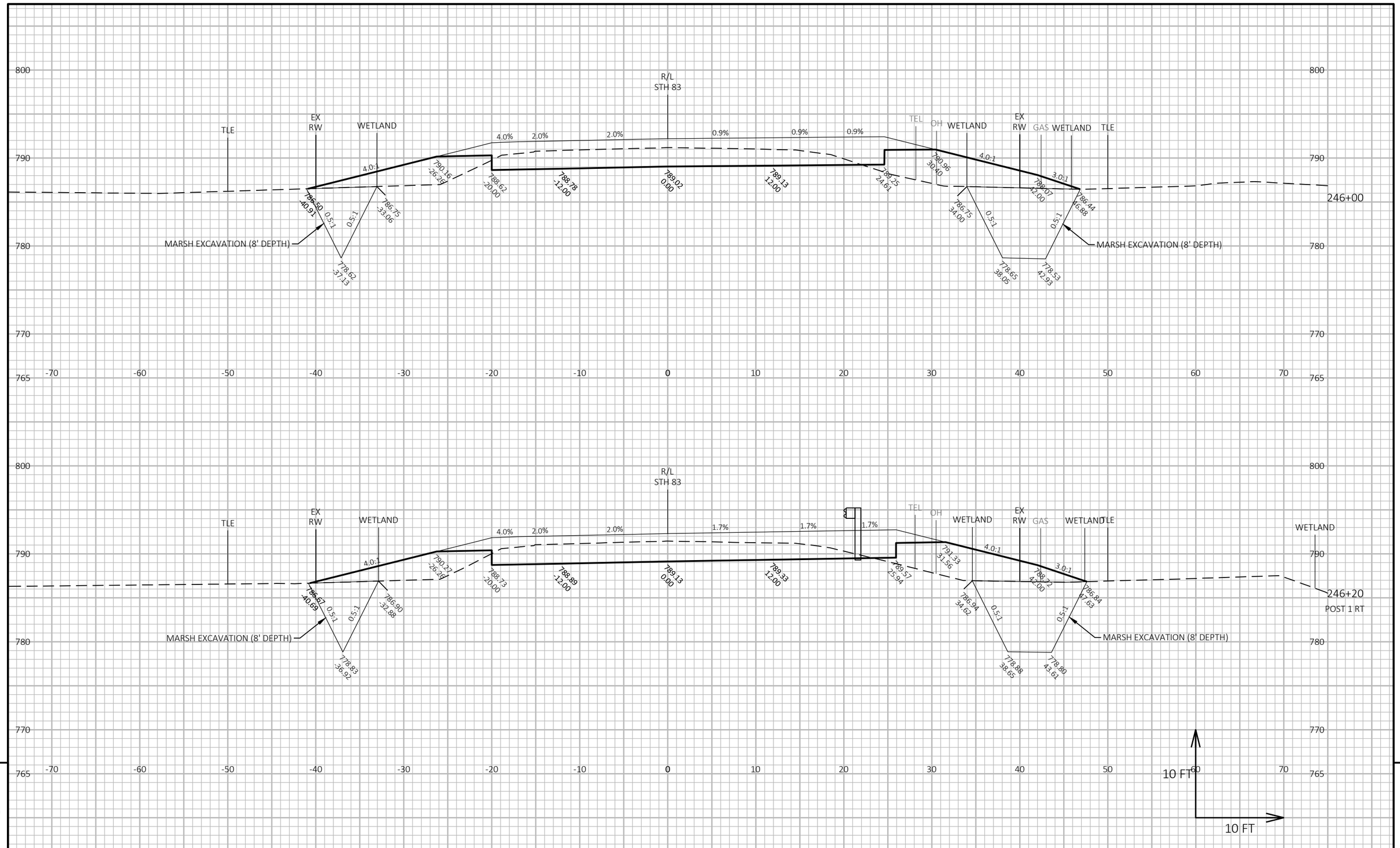
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 441	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-04-83

PLOT DATE : 9/28/2022 2:00 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

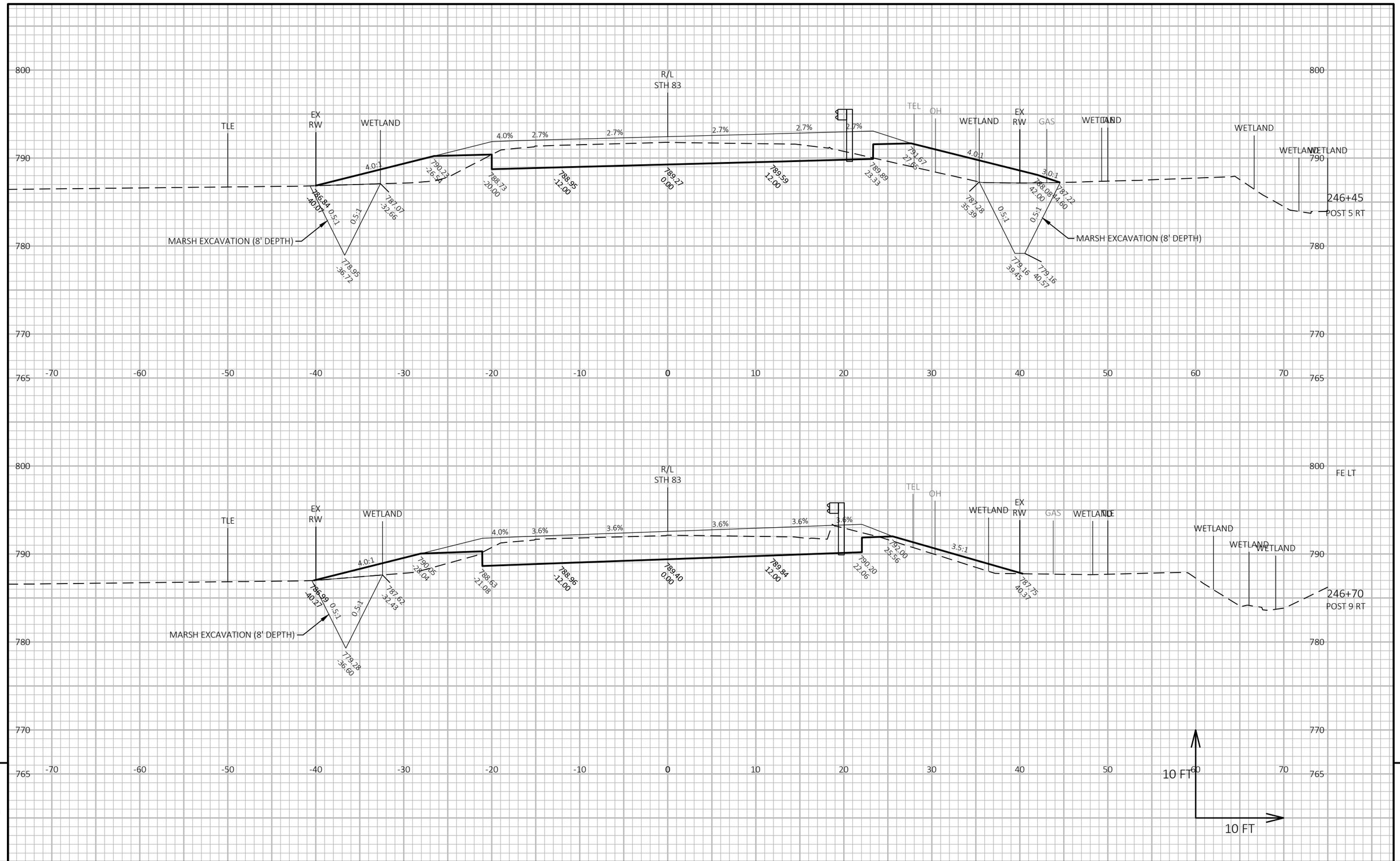


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 442	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-05-83

PLOT DATE : 9/28/2022 2:00 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

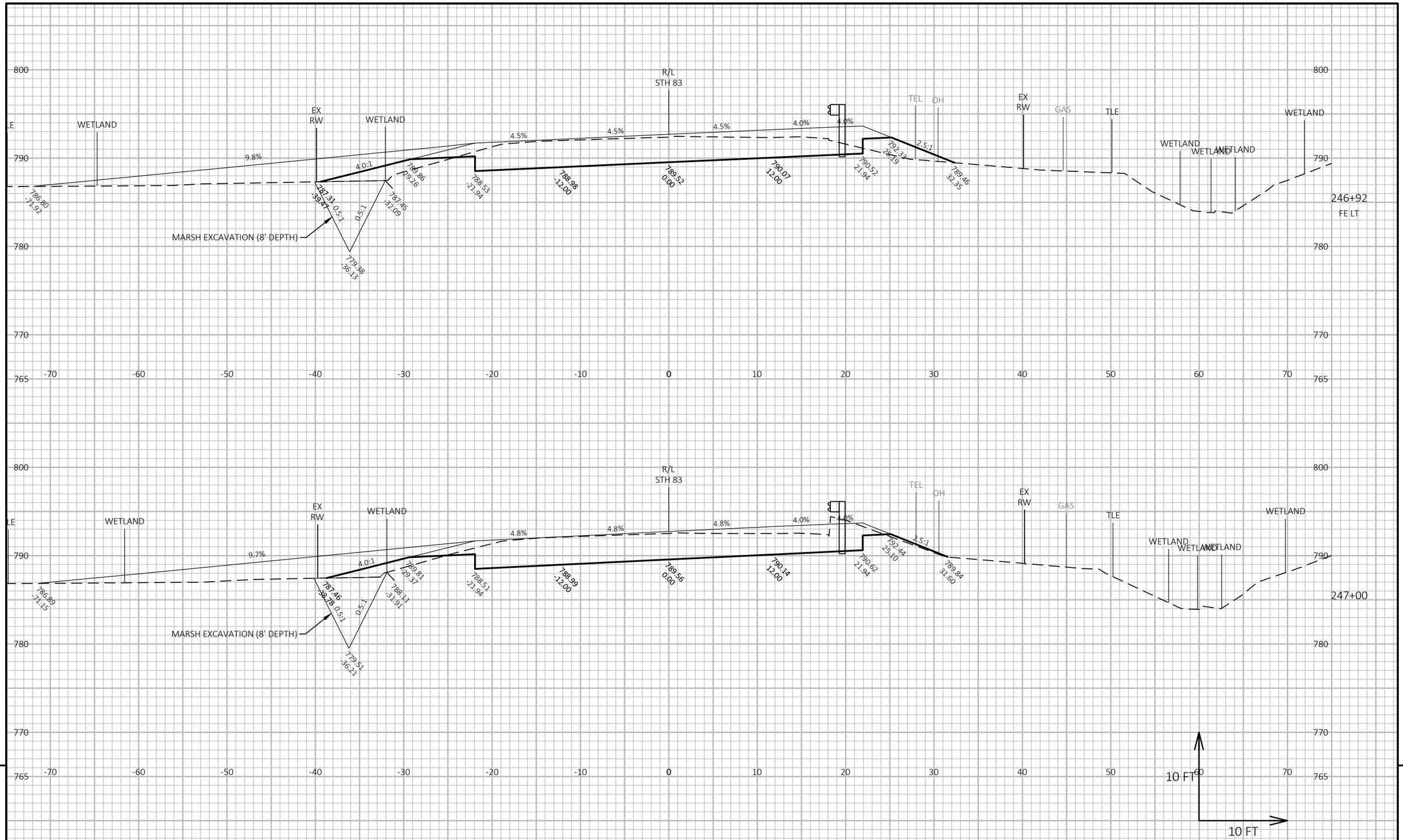


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 443	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-06-83

PLOT DATE : 9/28/2022 2:01 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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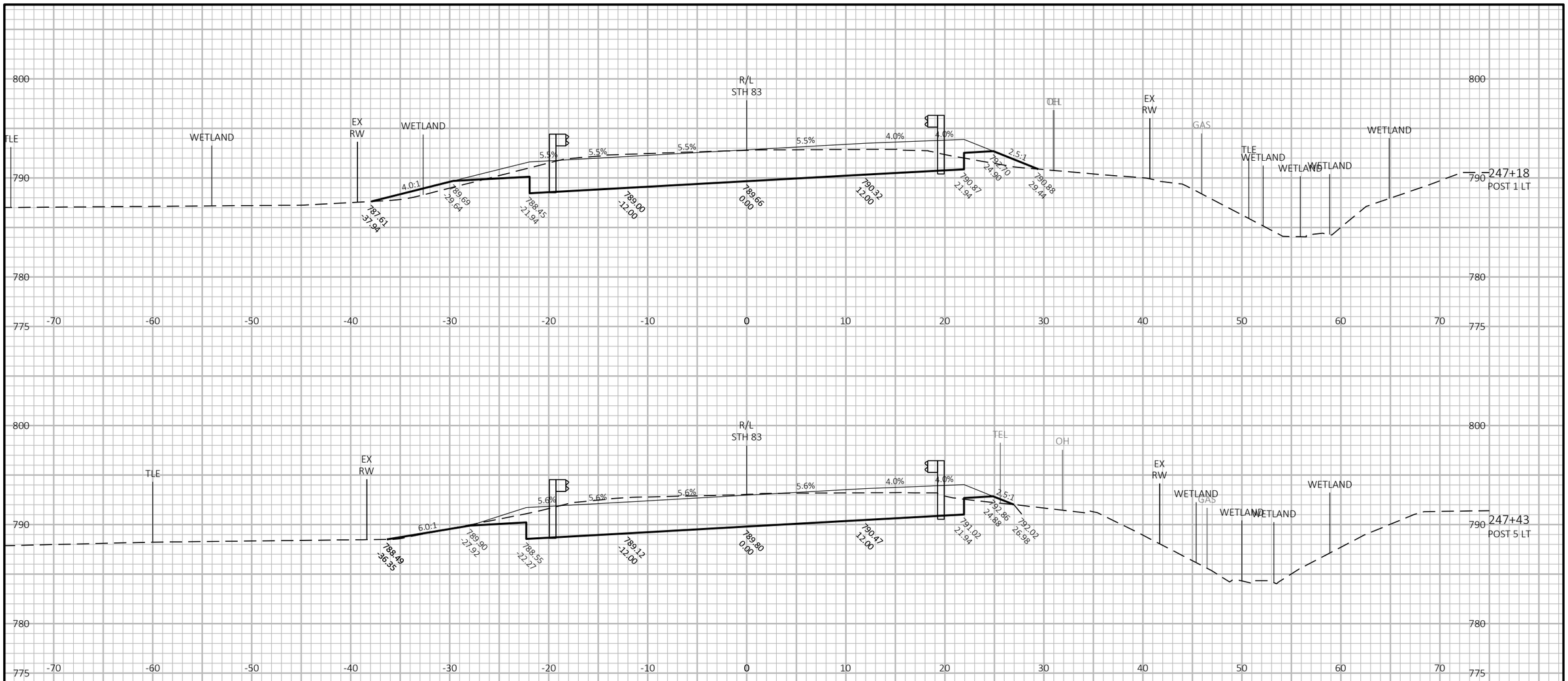
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 444	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-07-83

PLOT DATE : 9/28/2022 2:01 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

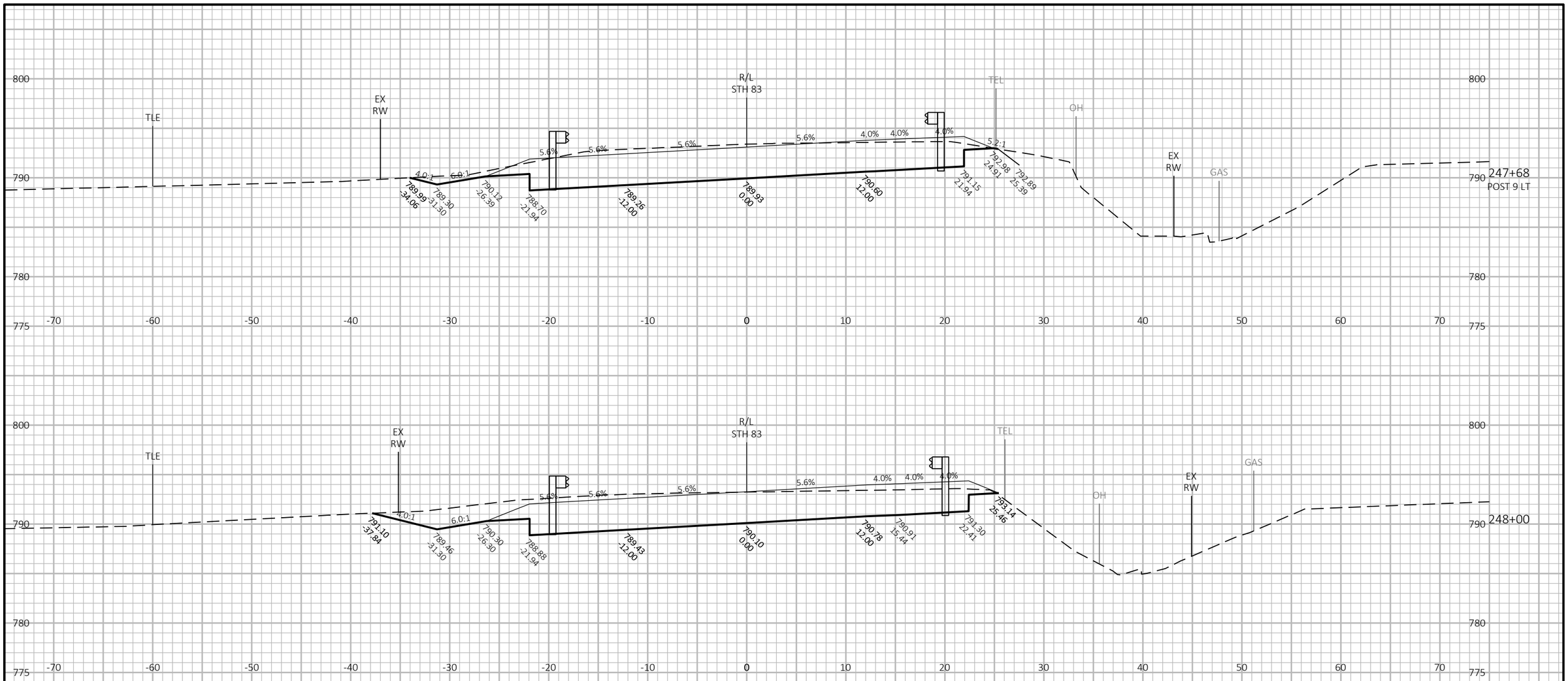


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 445	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-08-83

PLOT DATE : 9/28/2022 2:01 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



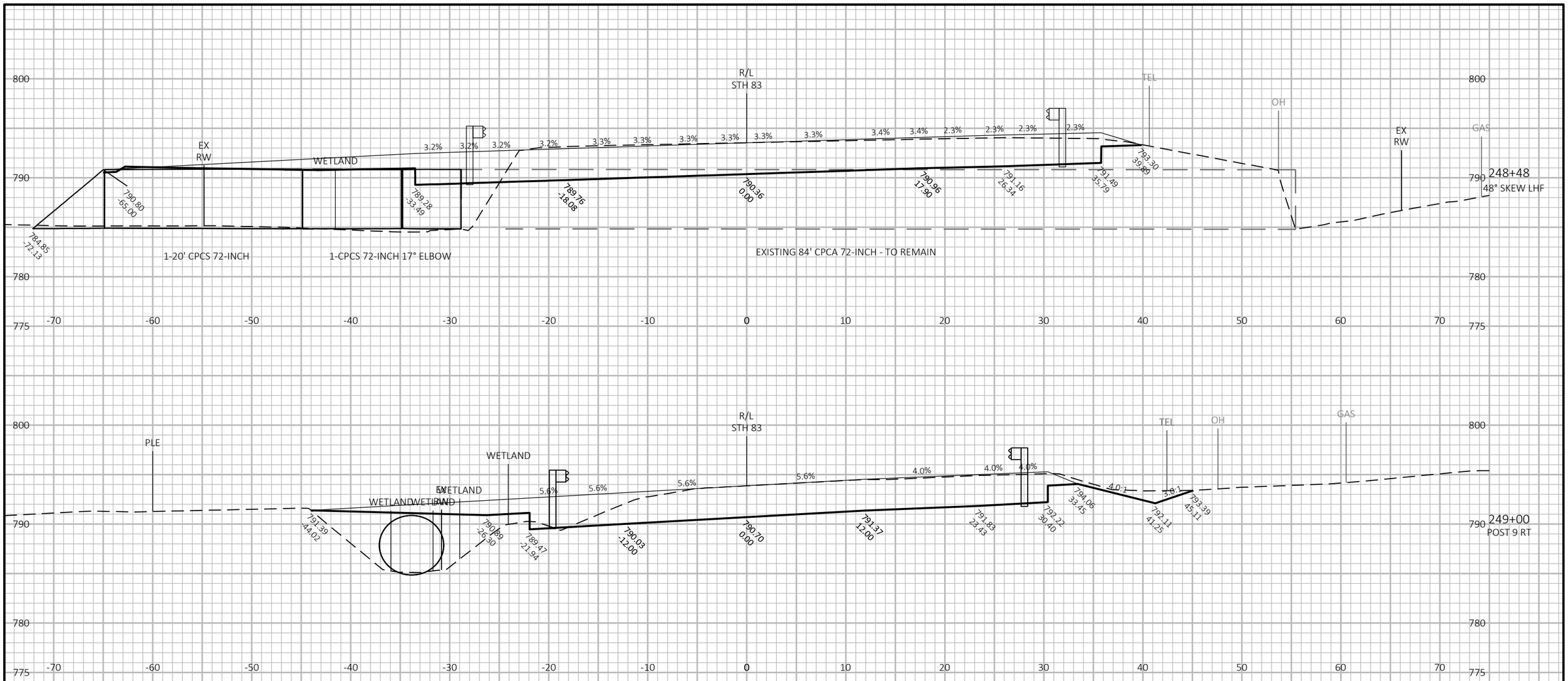
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 446	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-09-83

PLOT DATE : 9/28/2022 2:01 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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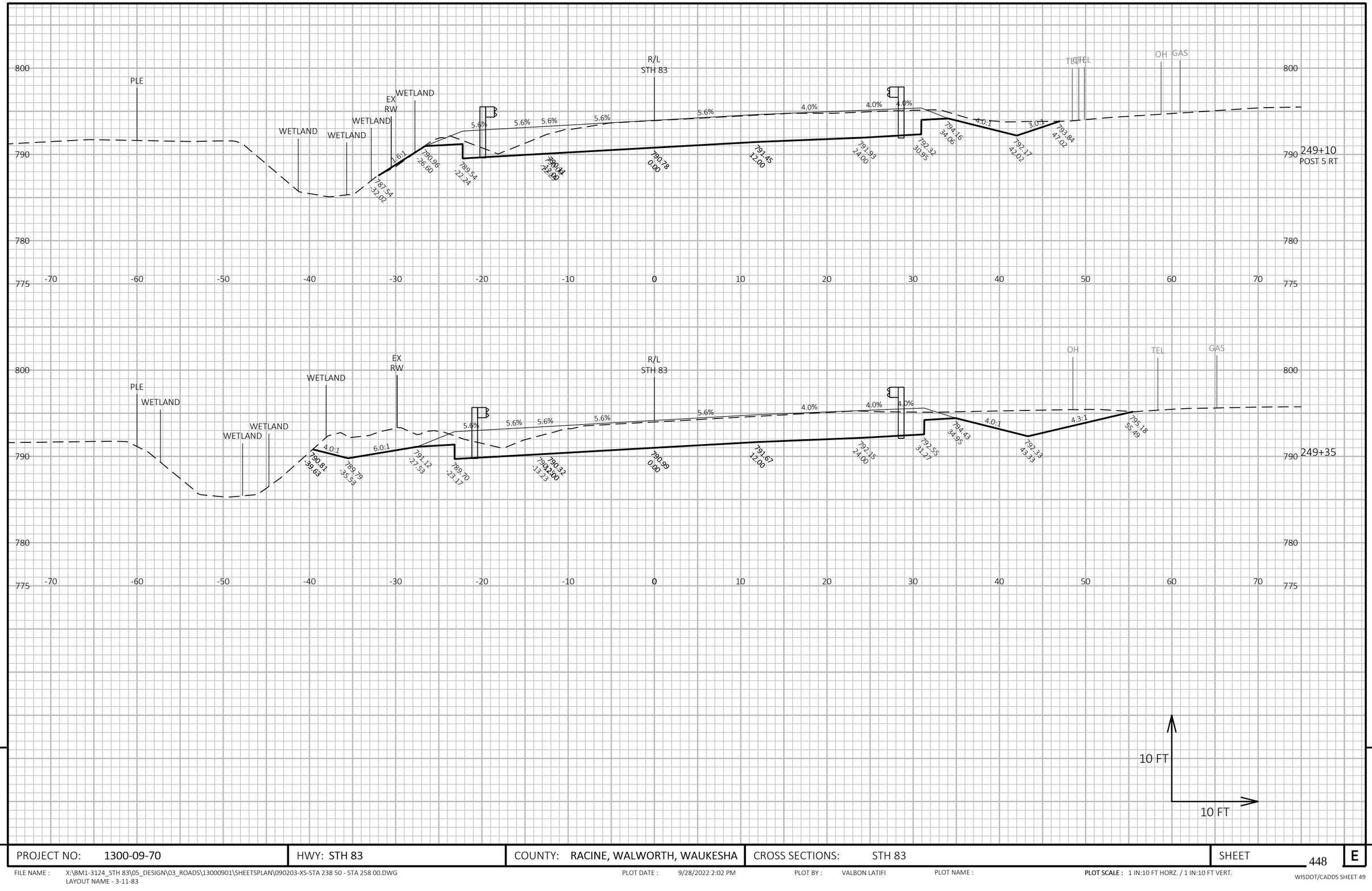
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 447	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-10-83

PLOT DATE : 9/28/2022 2:01 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

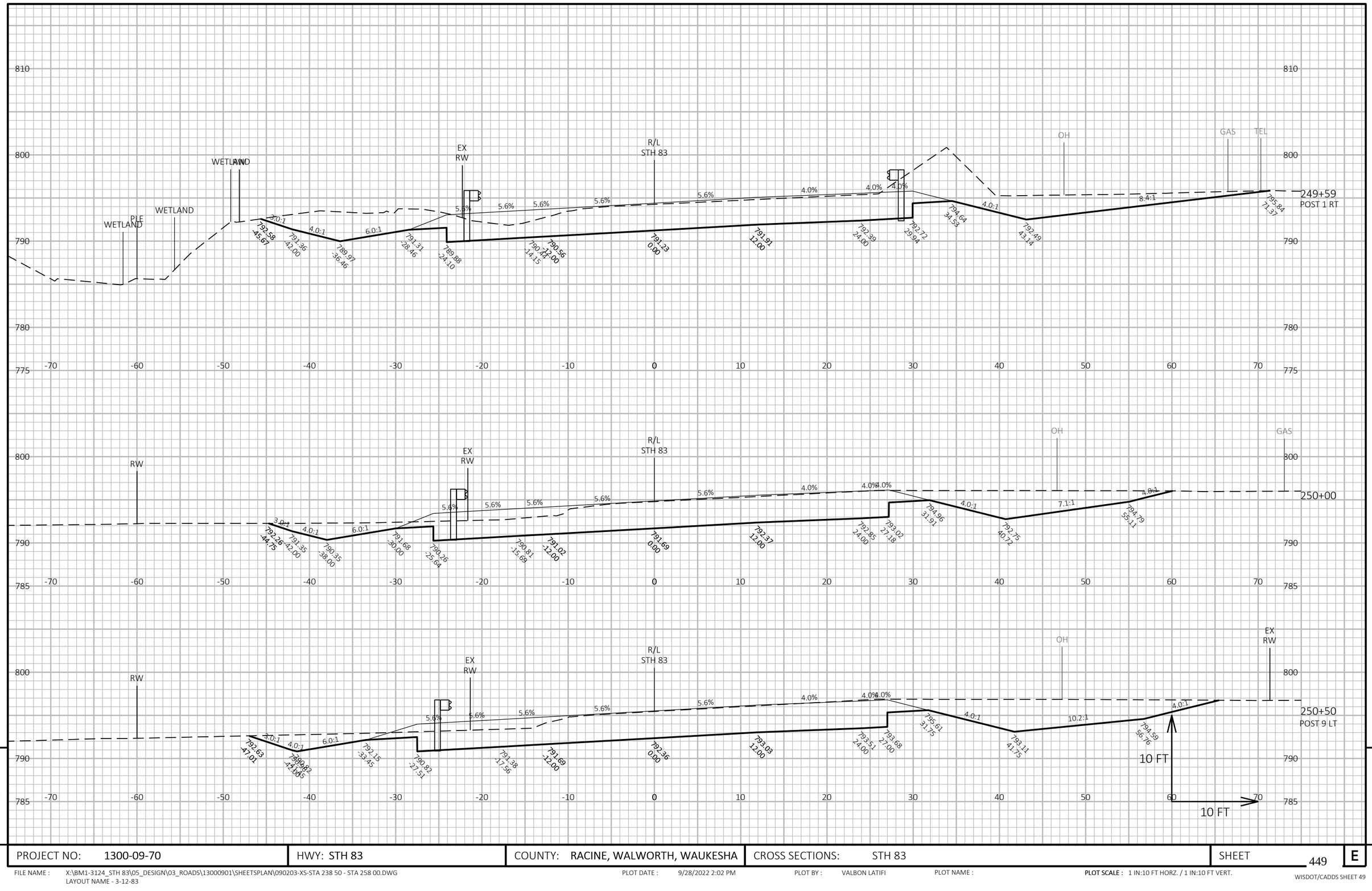


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 448	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-11-83

PLOT DATE : 9/28/2022 2:02 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

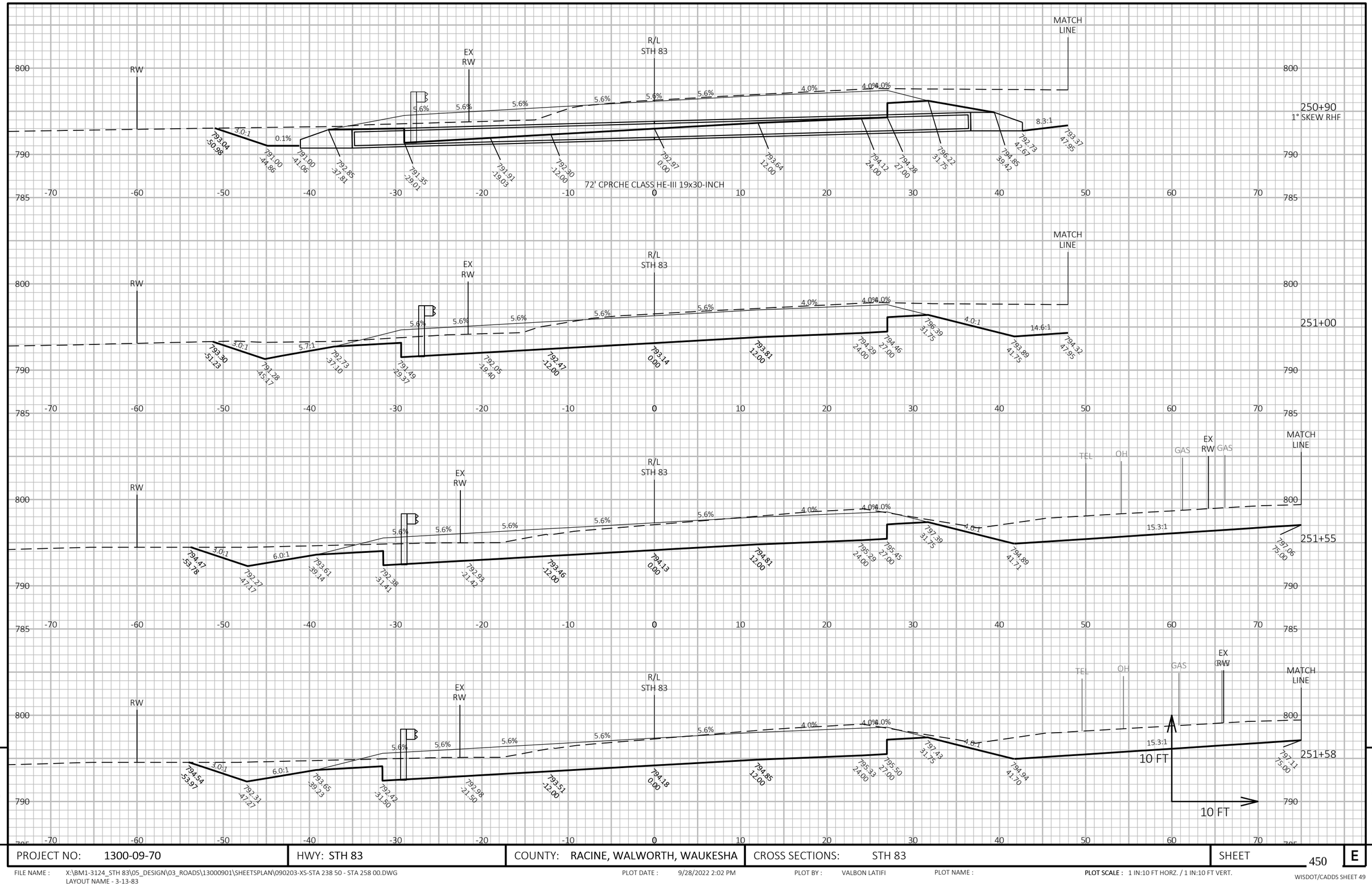


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 449	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-12-83

PLOT DATE : 9/28/2022 2:02 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

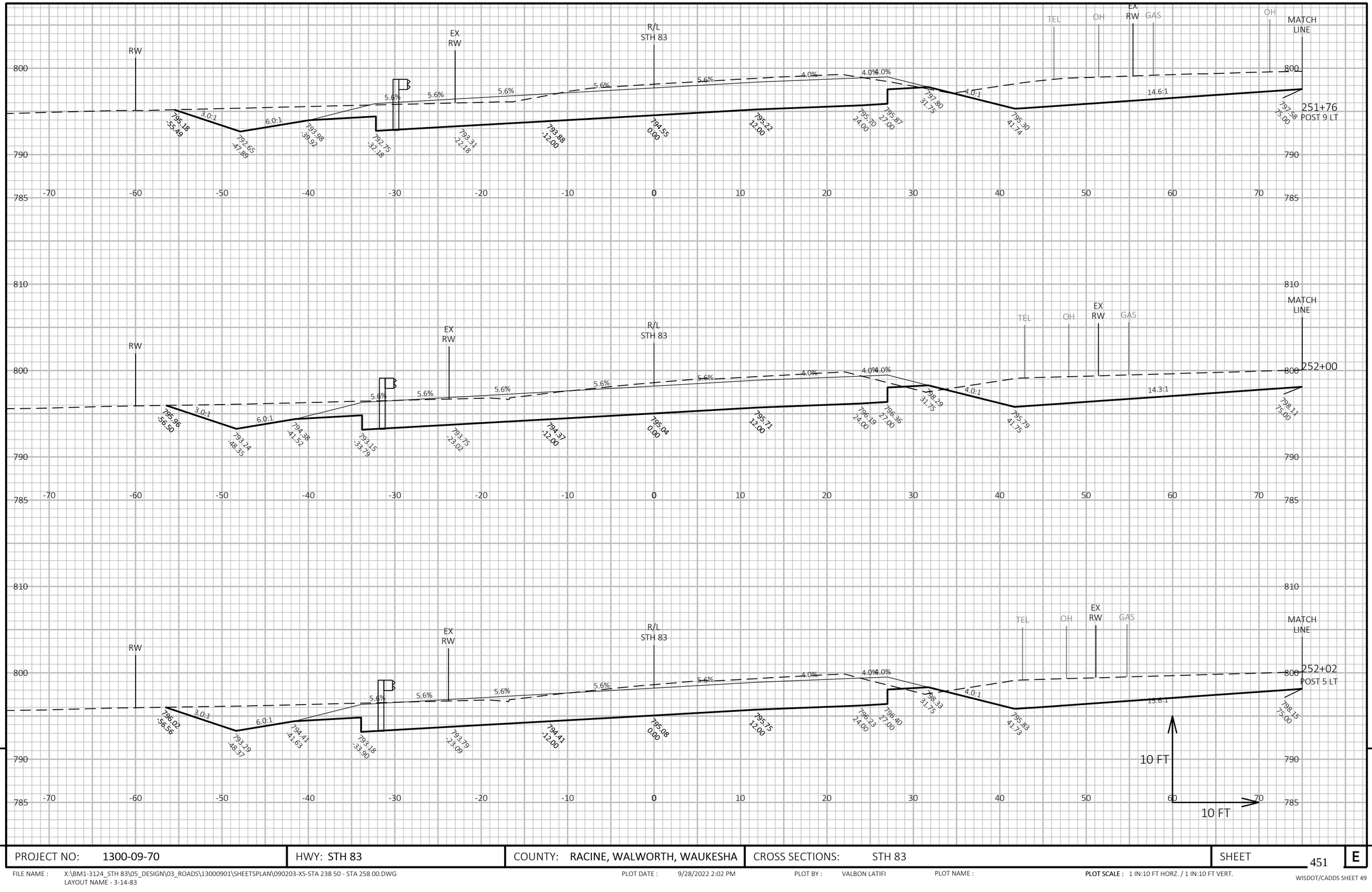


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 450	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-13-83

PLOT DATE : 9/28/2022 2:02 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 451	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-14-83

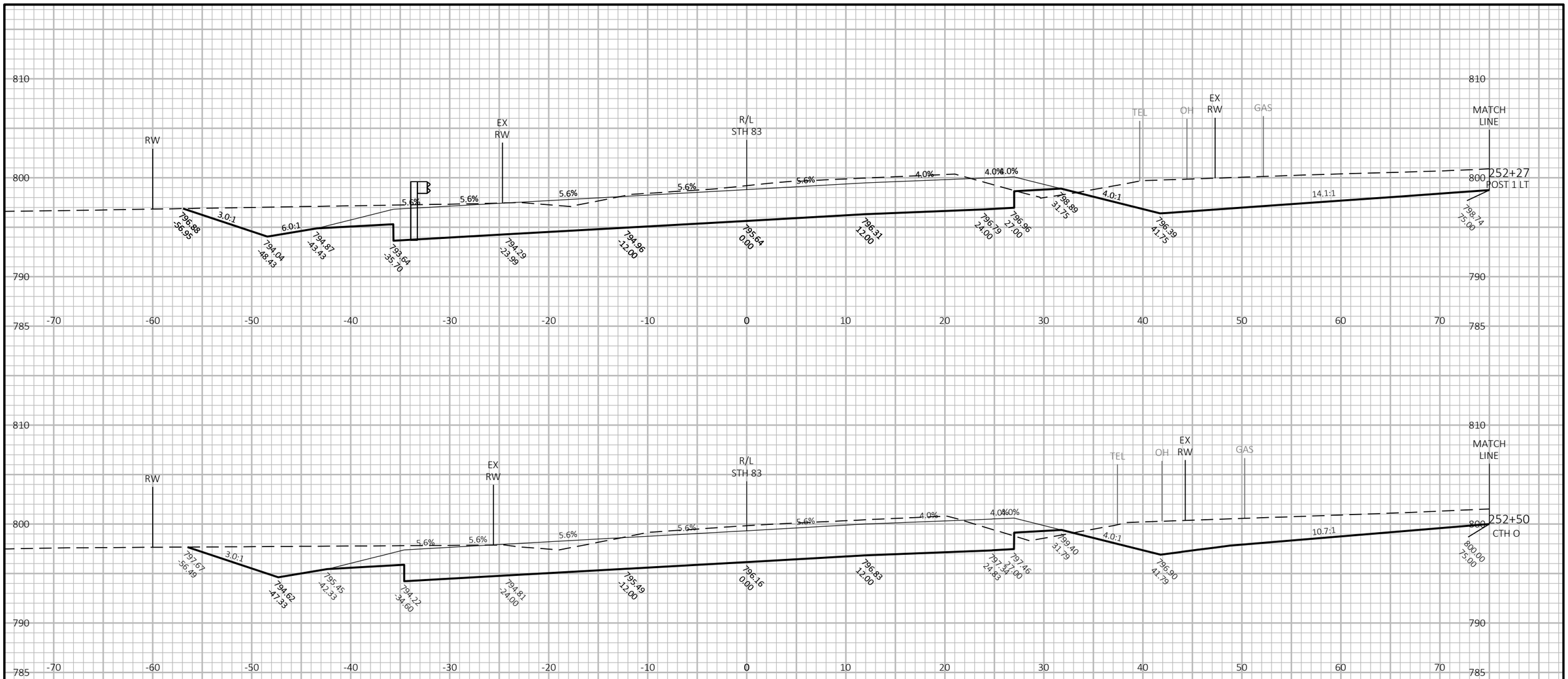
PLOT DATE : 9/28/2022 2:02 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

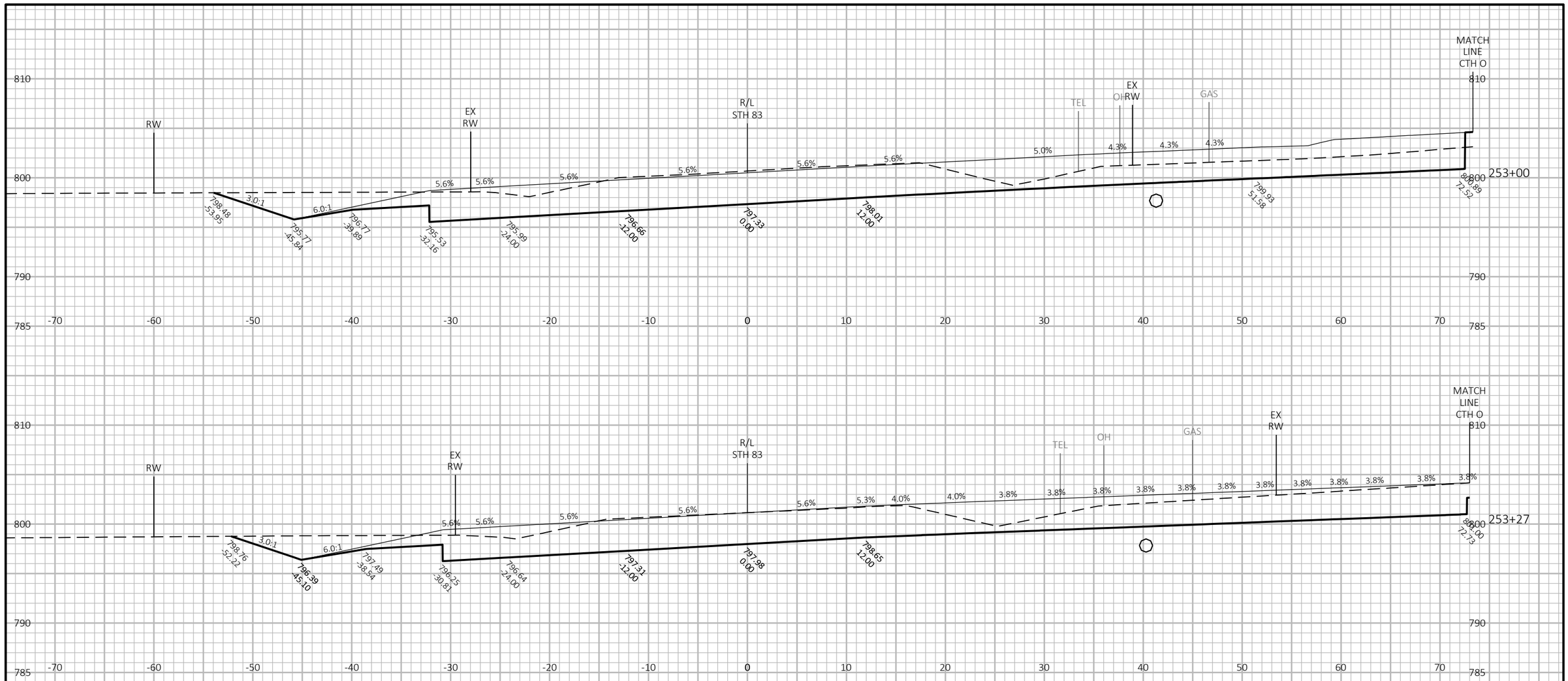


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 452	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-15-83

PLOT DATE : 9/28/2022 2:02 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



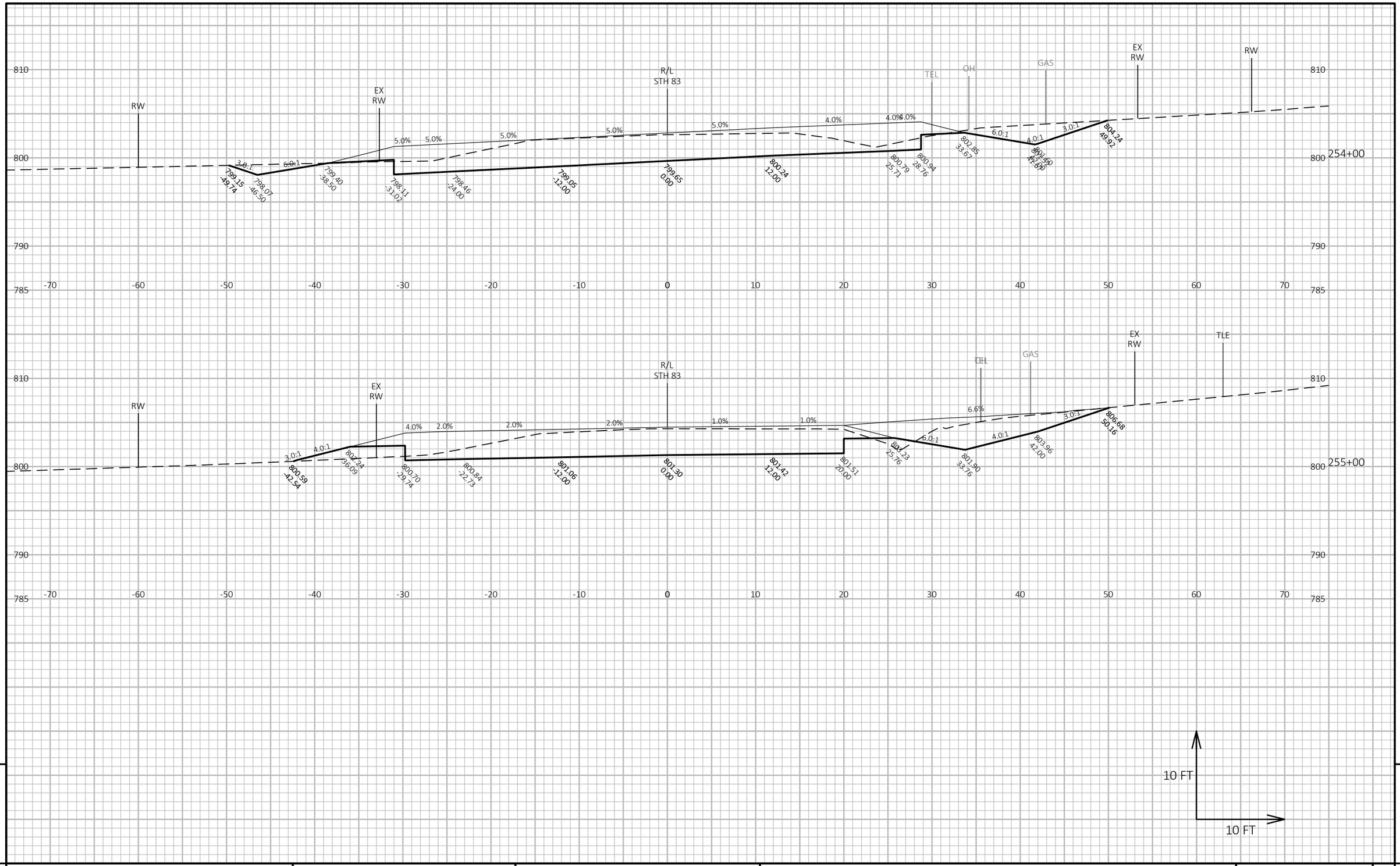
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 453	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-16-83

PLOT DATE : 9/28/2022 2:02 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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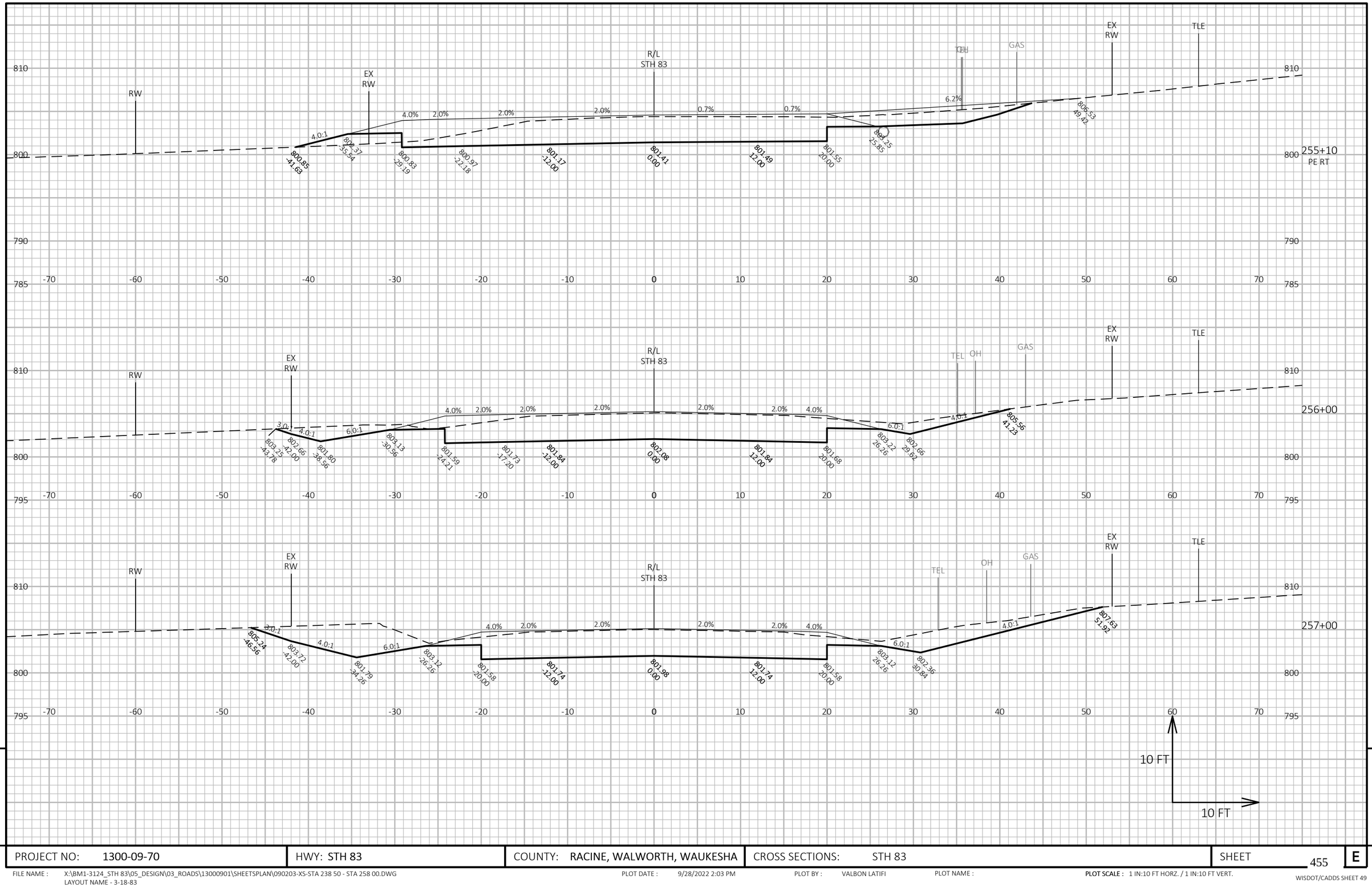
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 454	E

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FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-17-83

PLOT DATE : 9/28/2022 2:03 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

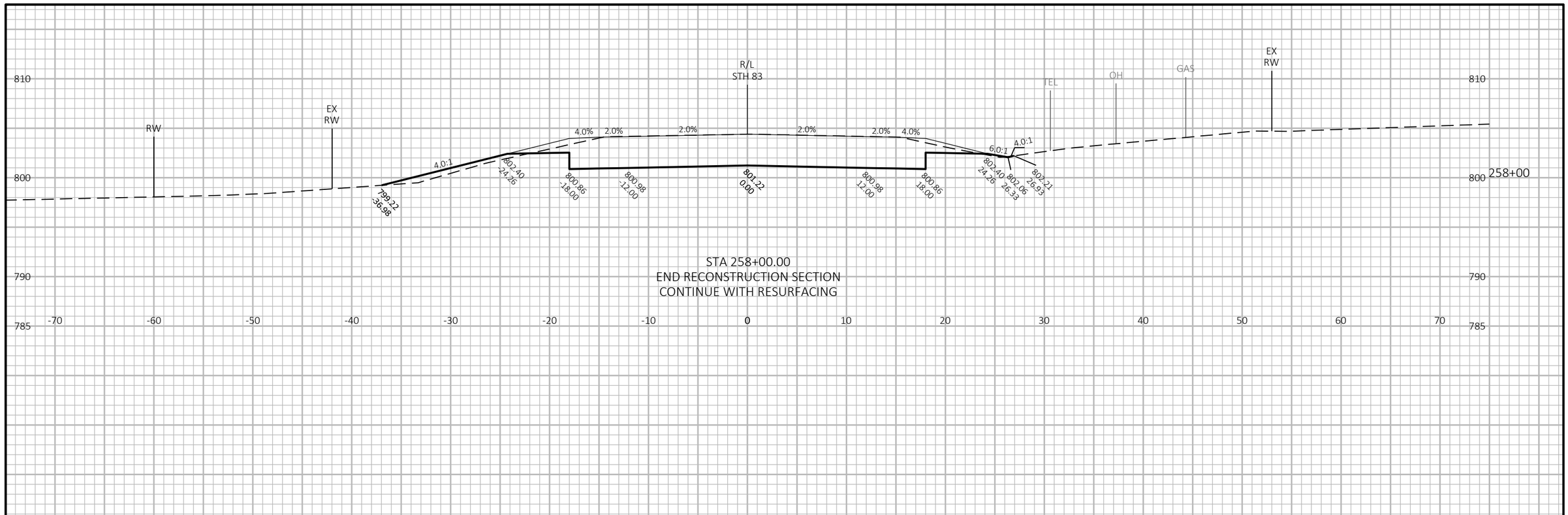


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 455 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-18-83

PLOT DATE : 9/28/2022 2:03 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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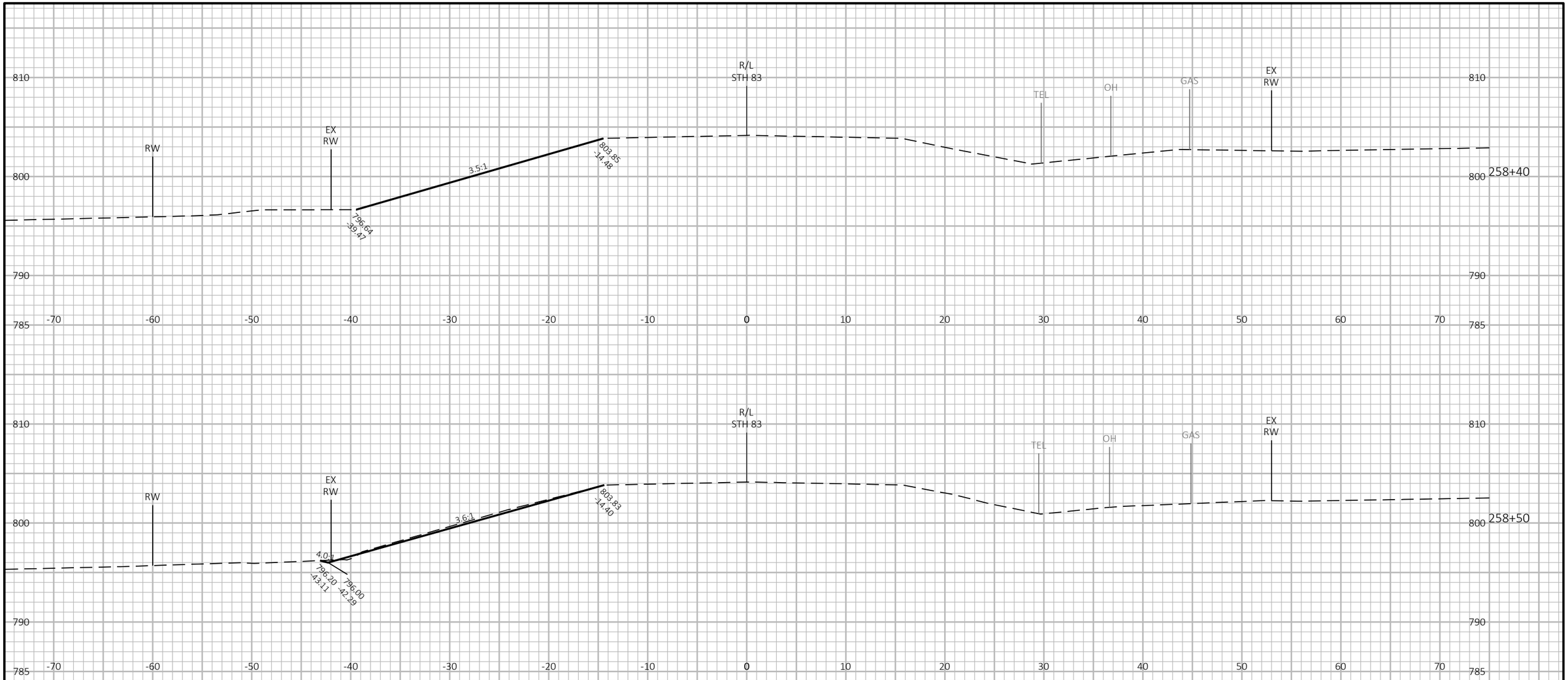
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 456	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090203-XS-STA 238 50 - STA 258 00.DWG
LAYOUT NAME - 3-19-83

PLOT DATE : 9/28/2022 2:03 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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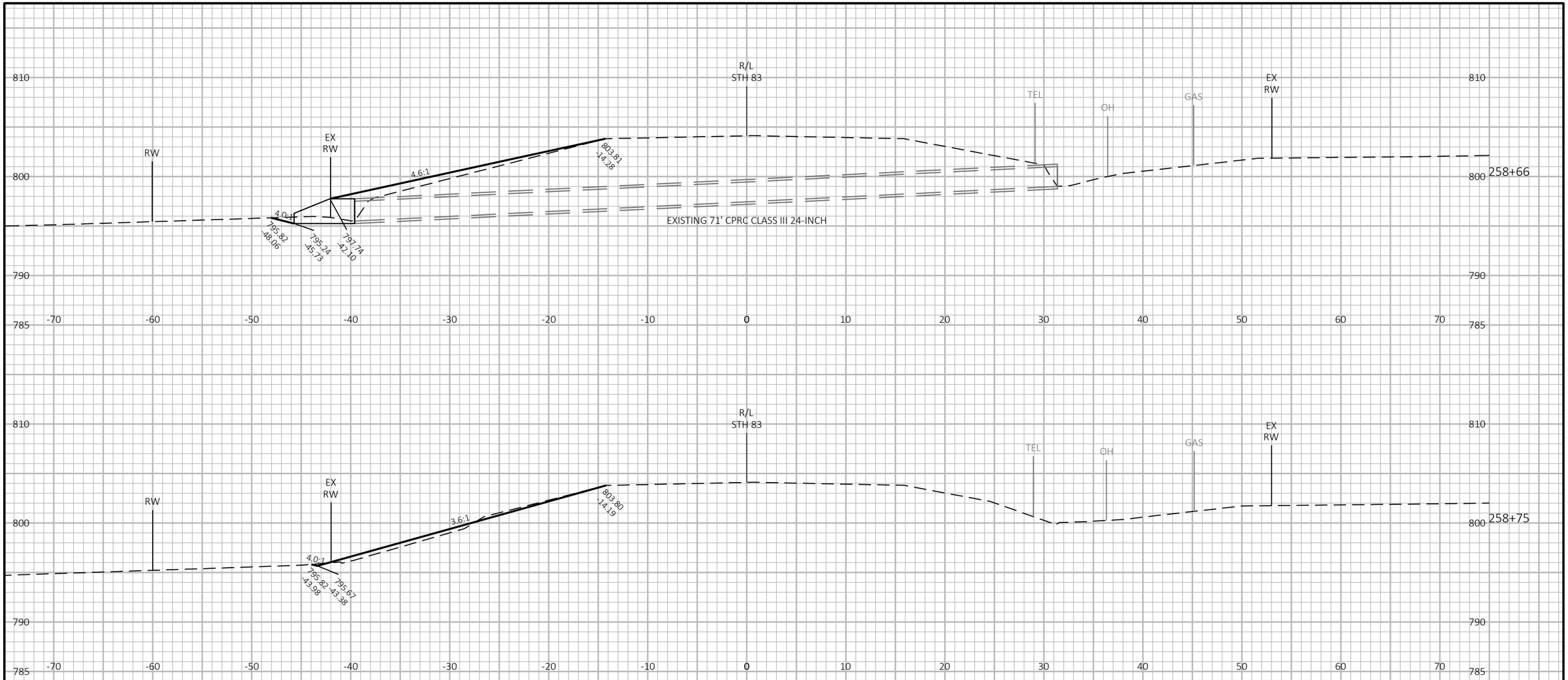
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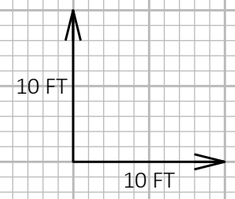
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 457	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090204-XS-STA 258 40 - STA 258 85.DWG
LAYOUT NAME - 4-01-83

PLOT DATE : 9/27/2022 11:35 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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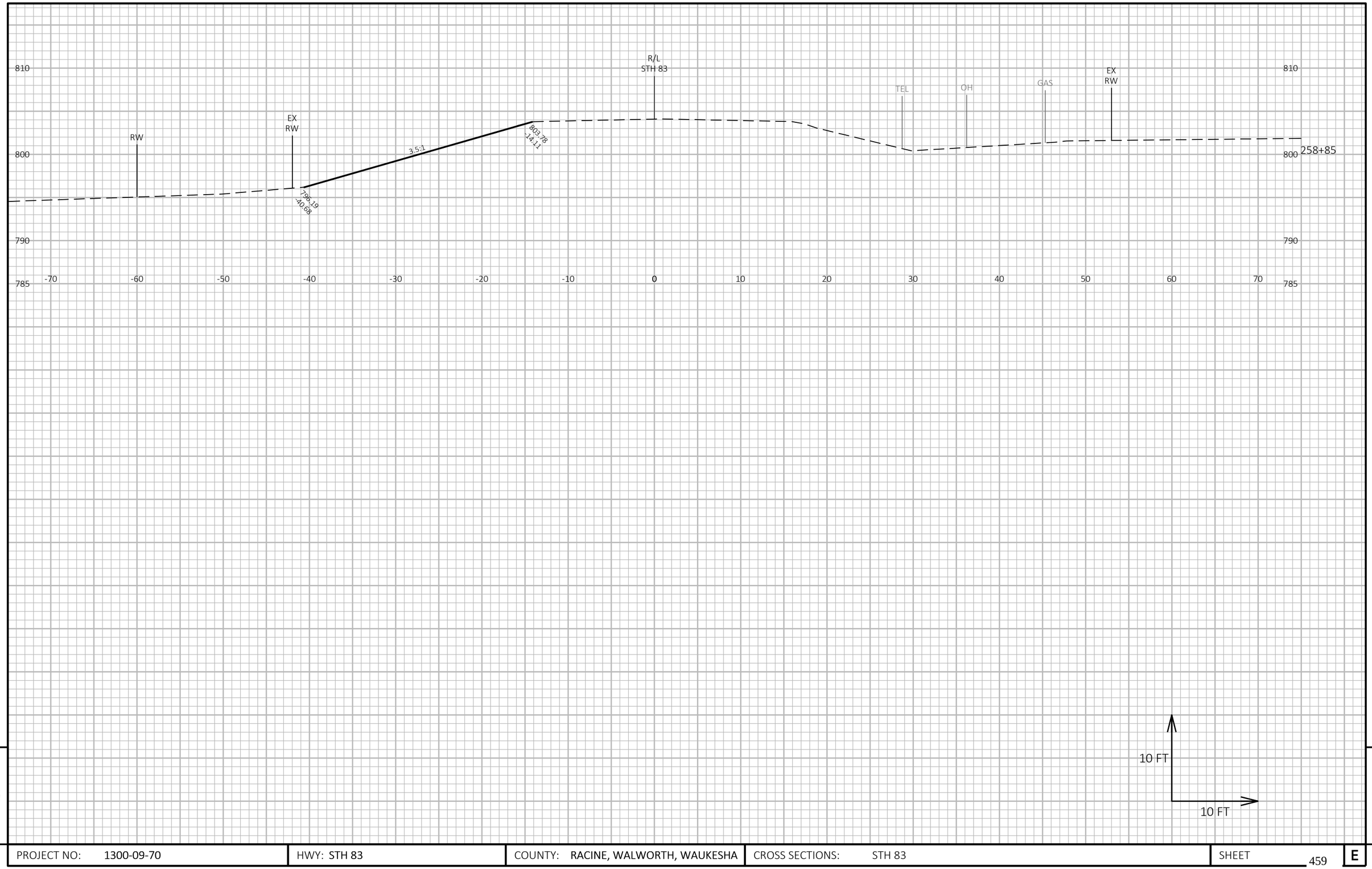
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 458	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090204-XS-STA 258 40 - STA 258 85.DWG
LAYOUT NAME - 4-02-83

PLOT DATE : 9/27/2022 11:35 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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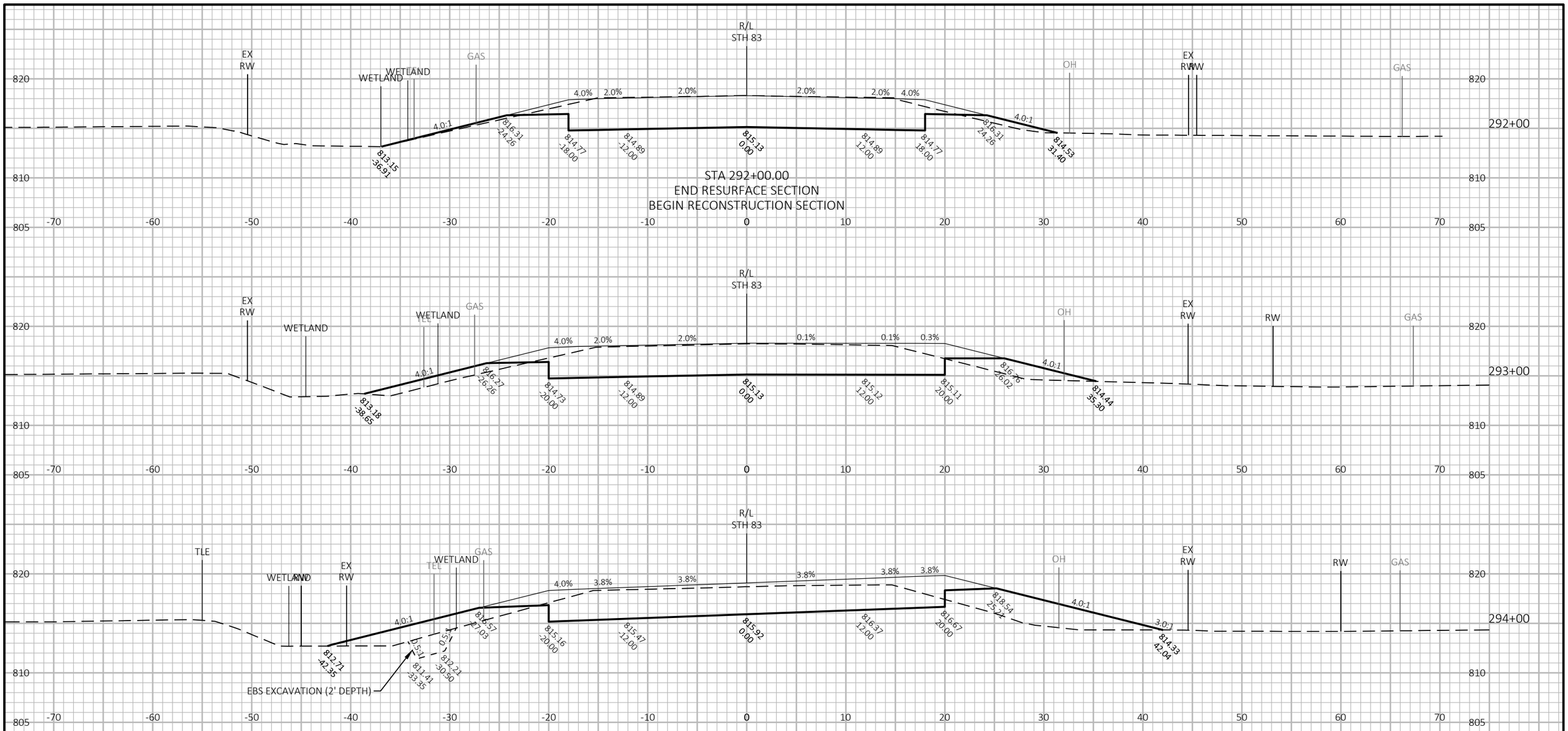
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 459	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090204-XS-STA 258 40 - STA 258 85.DWG
LAYOUT NAME - 4-03-83

PLOT DATE : 9/27/2022 11:35 AM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

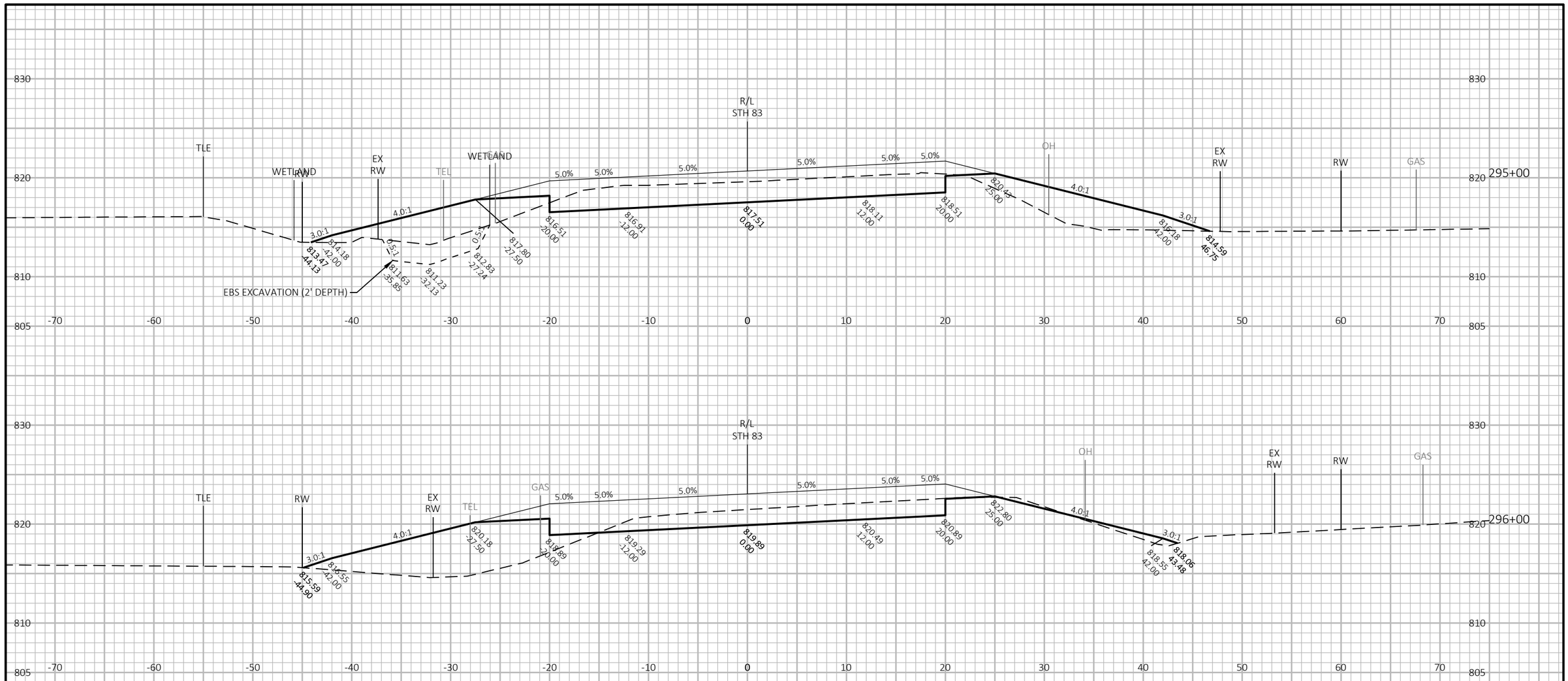


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 460	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-1-83

PLOT DATE : 10/2/2022 12:42 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

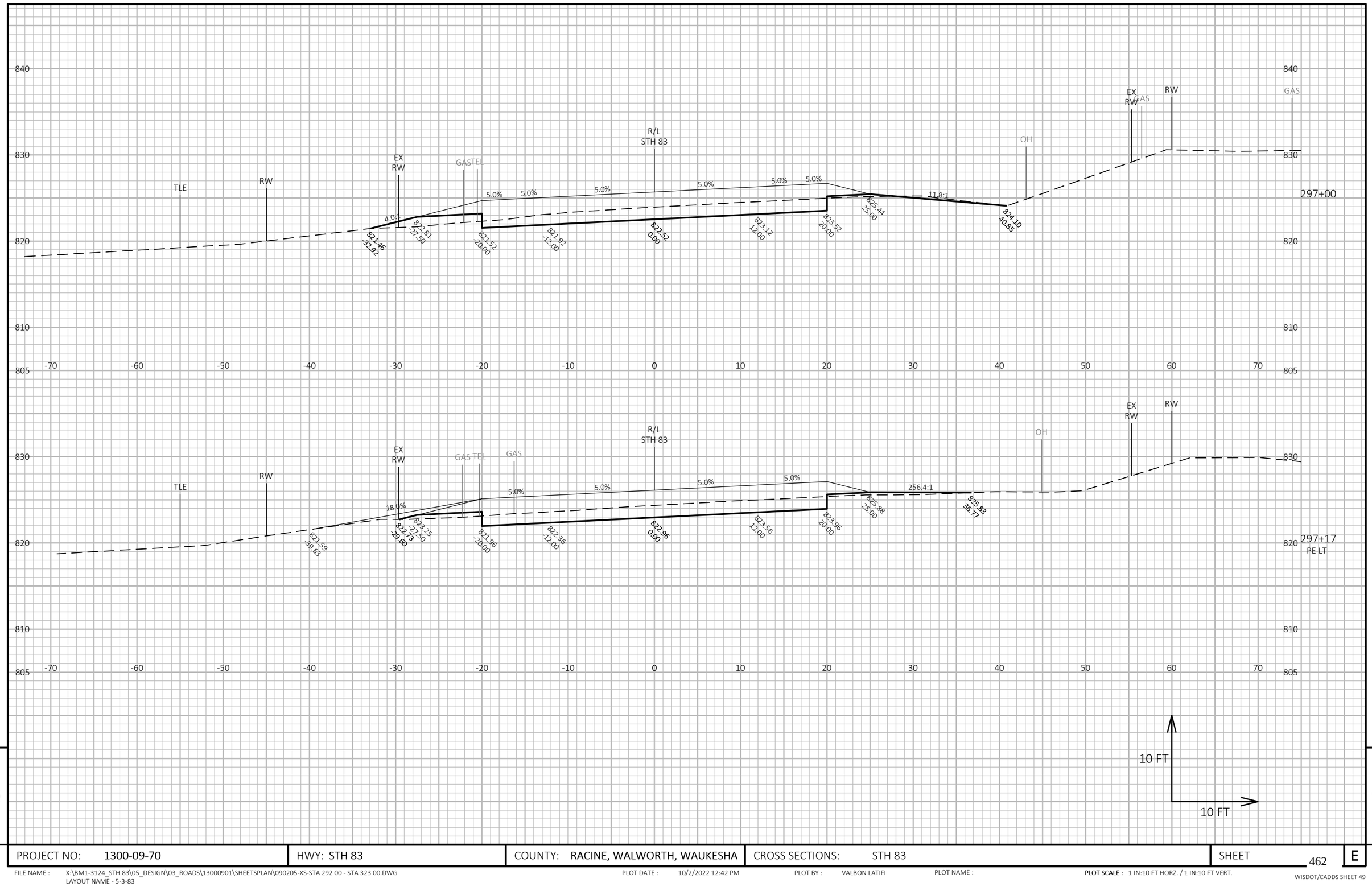


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 461	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-2-83

PLOT DATE : 10/2/2022 12:42 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

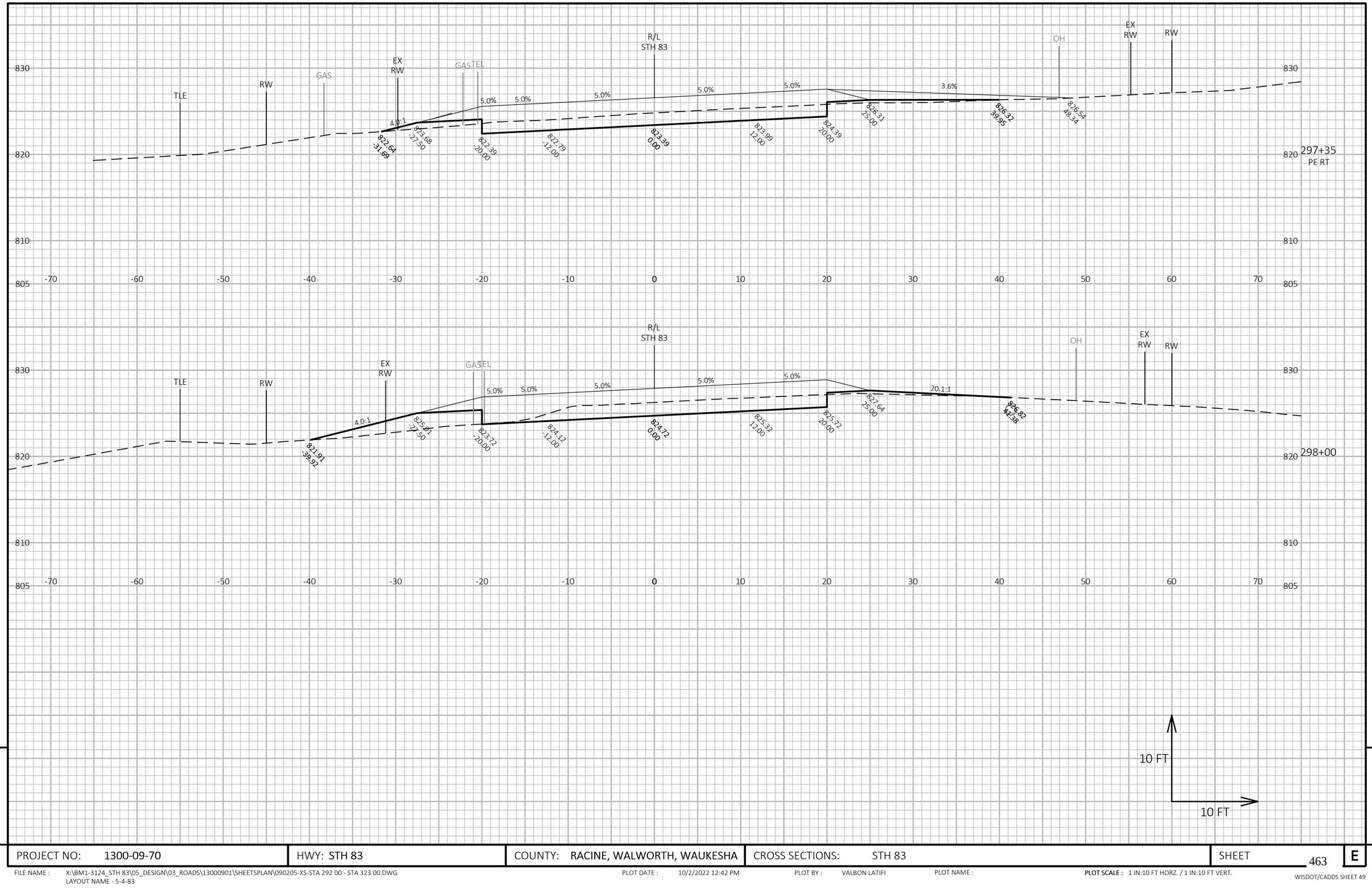
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FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-3-83

PLOT DATE : 10/2/2022 12:42 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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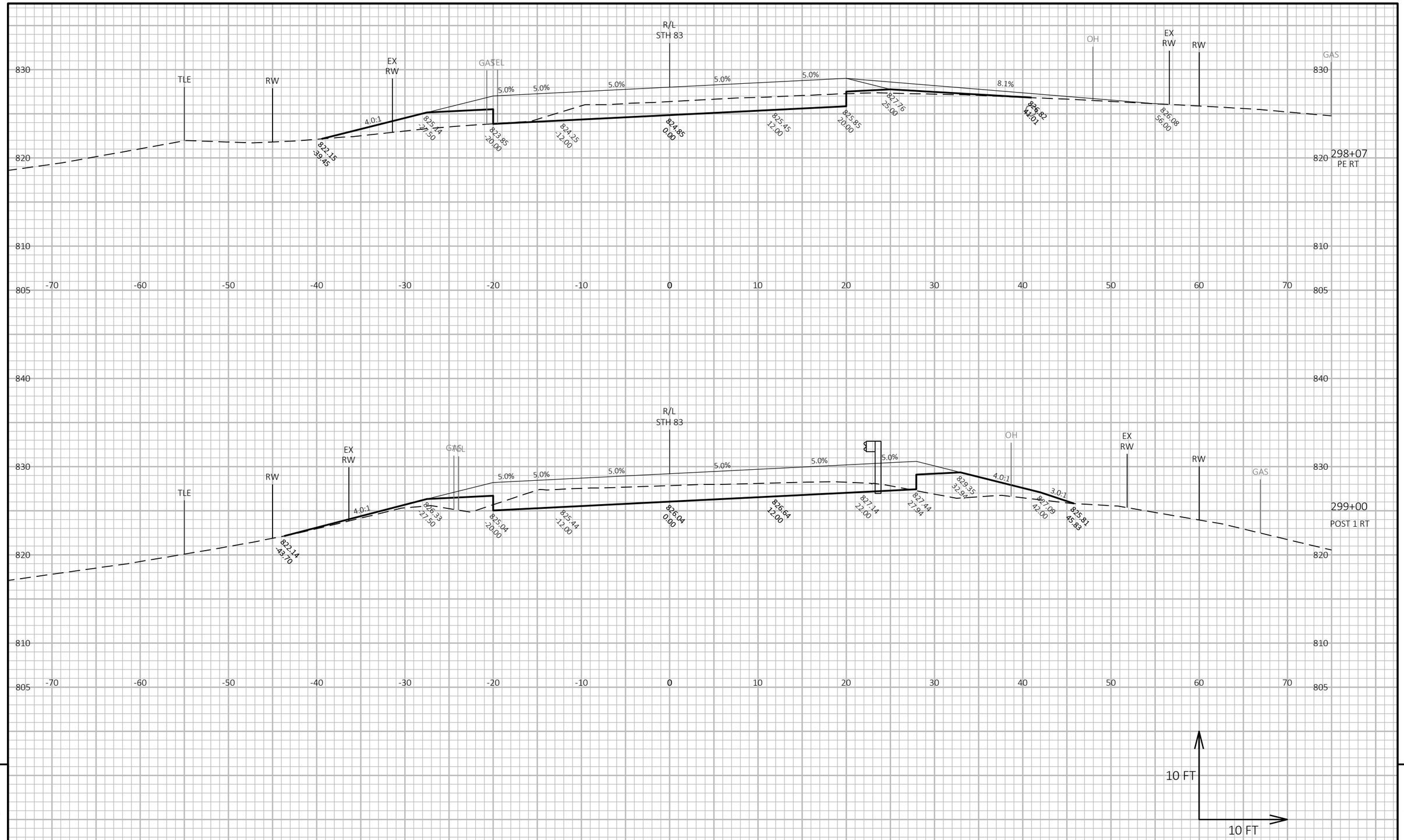
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 463	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-4-83

PLOT DATE : 10/2/2022 12:42 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



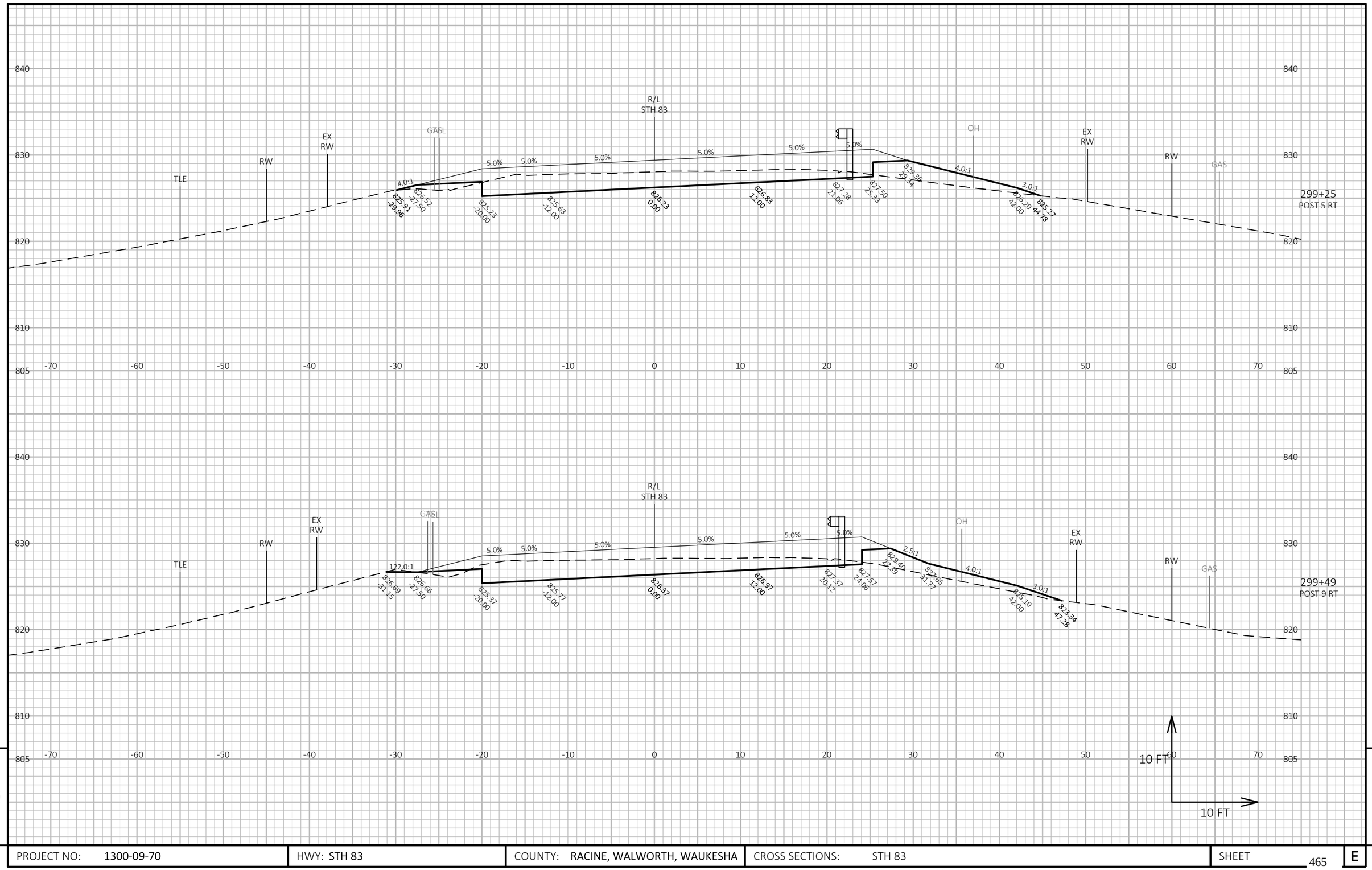
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 464	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-5-83

PLOT DATE : 10/2/2022 12:42 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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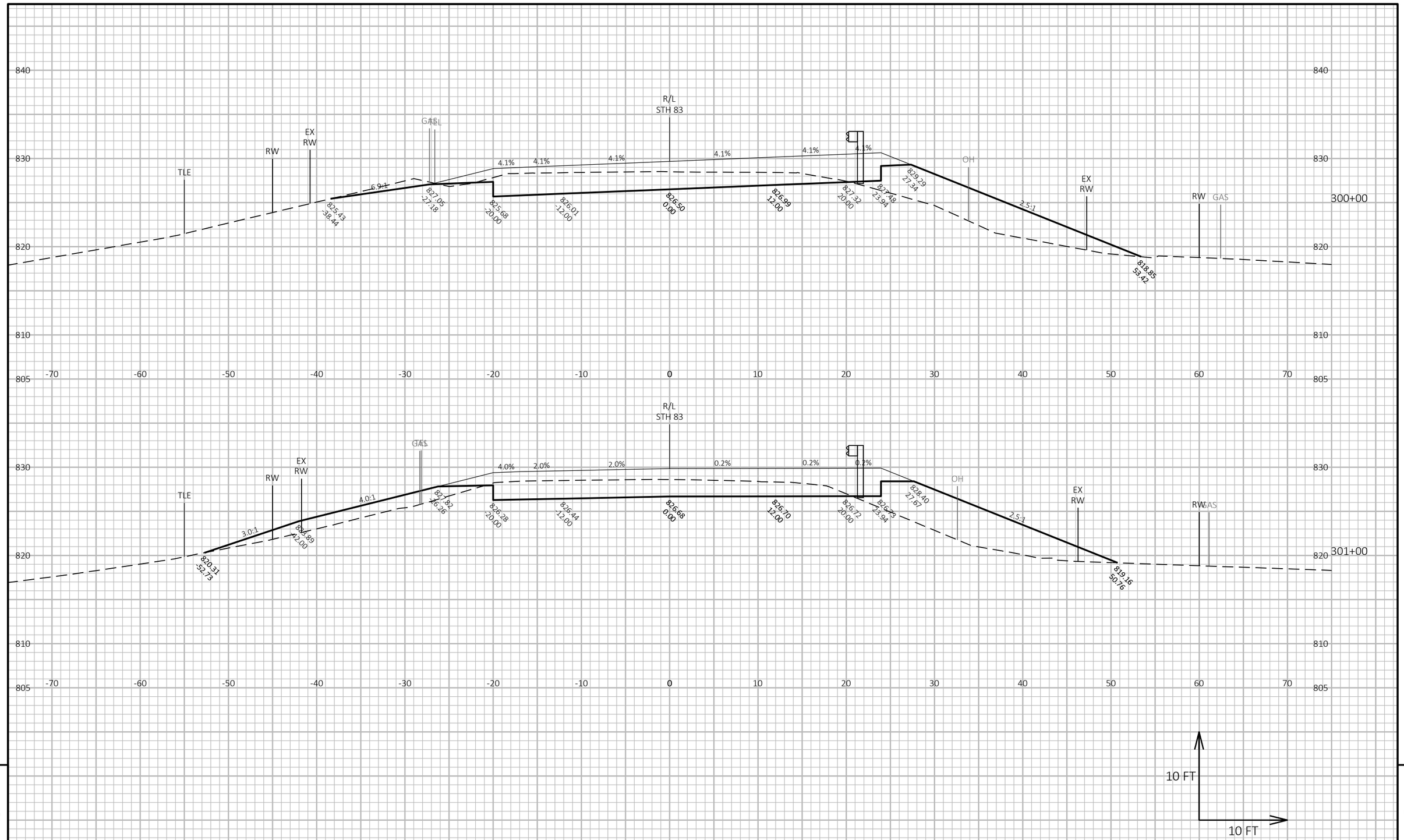
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 465	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-6-83

PLOT DATE : 10/2/2022 12:42 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

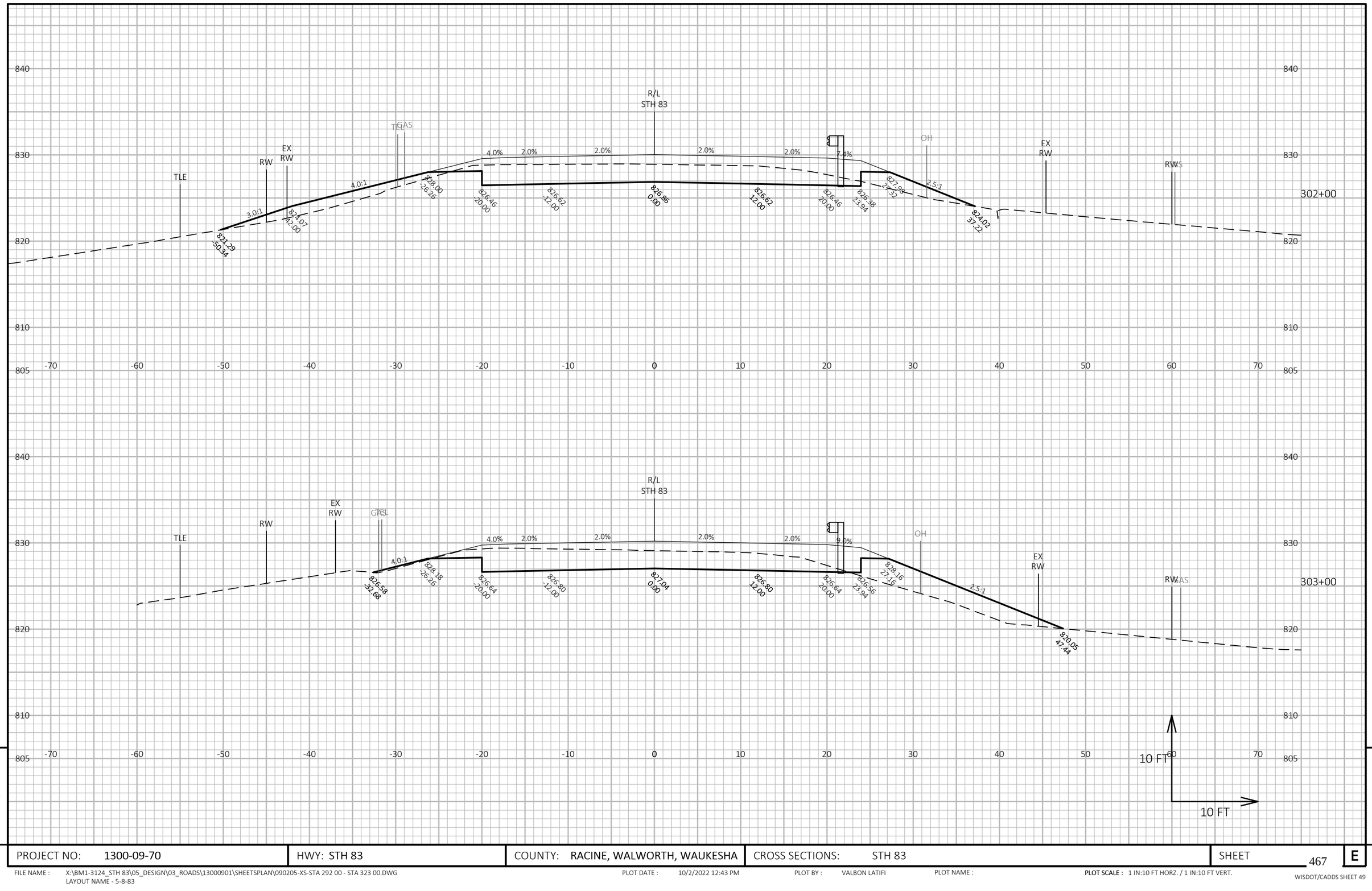


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 466	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-7-83

PLOT DATE : 10/2/2022 12:43 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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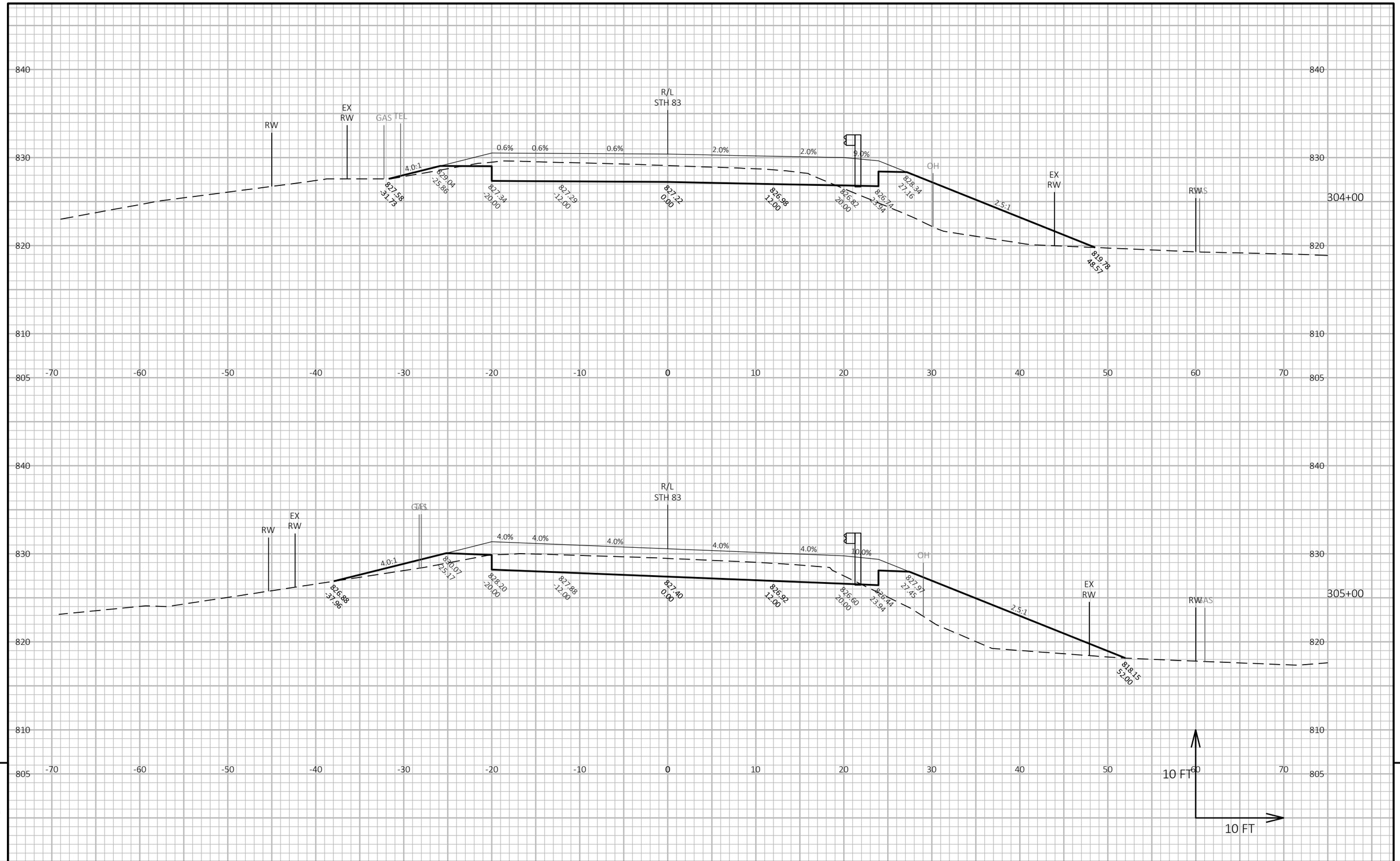
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 467	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-8-83

PLOT DATE : 10/2/2022 12:43 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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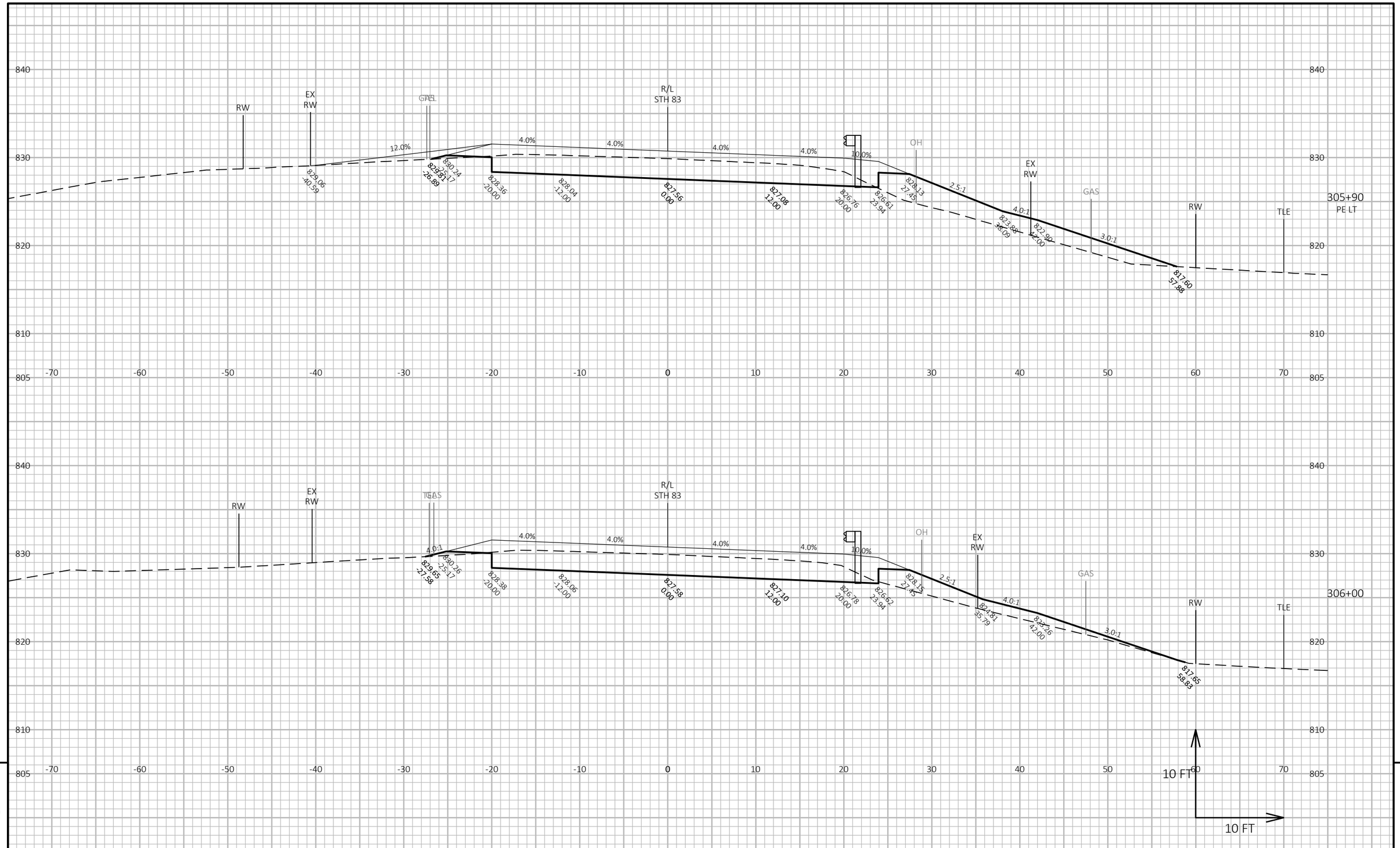
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 468	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-9-83

PLOT DATE : 10/2/2022 12:43 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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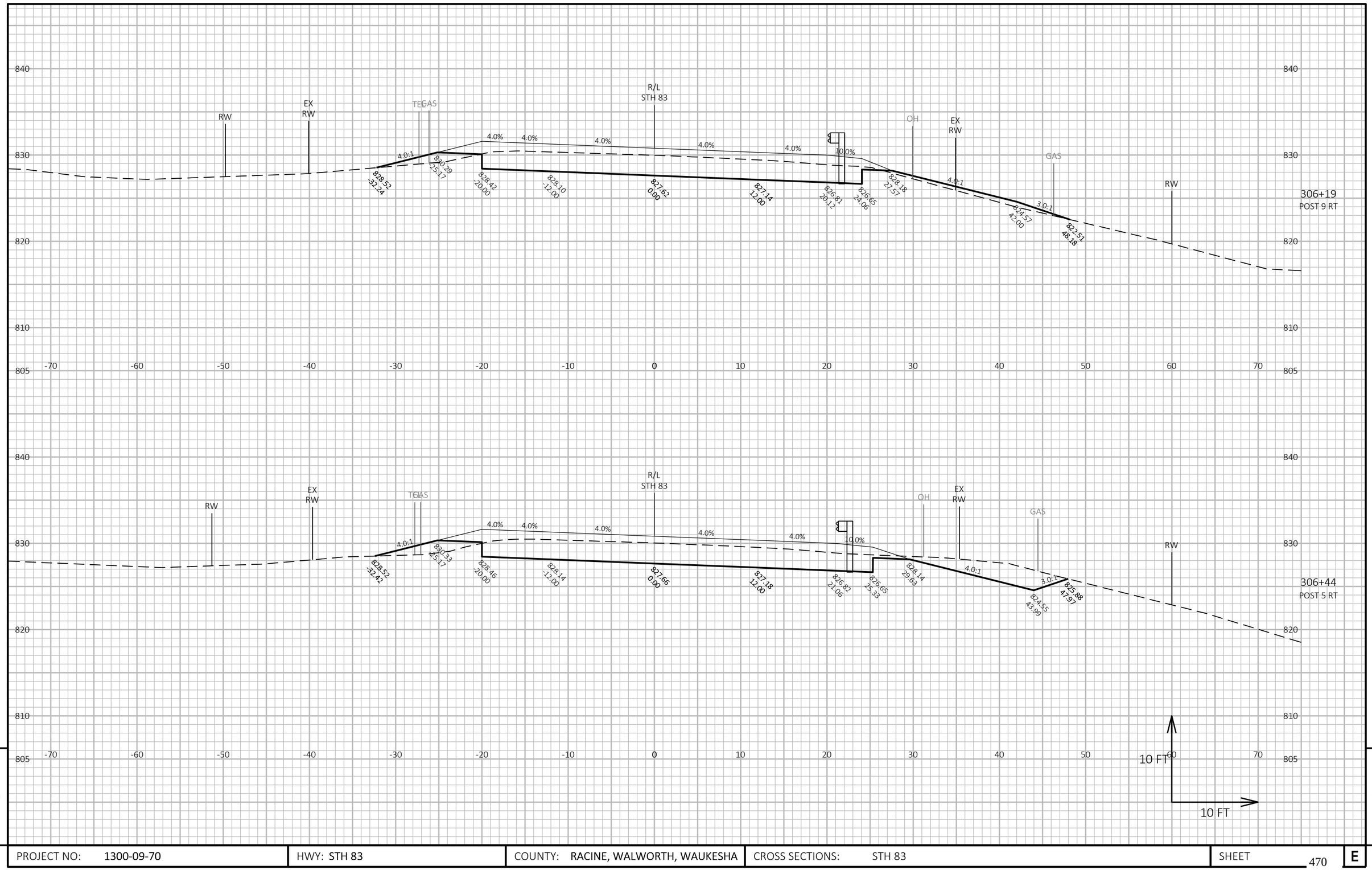
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 469	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-10-83

PLOT DATE : 10/2/2022 12:43 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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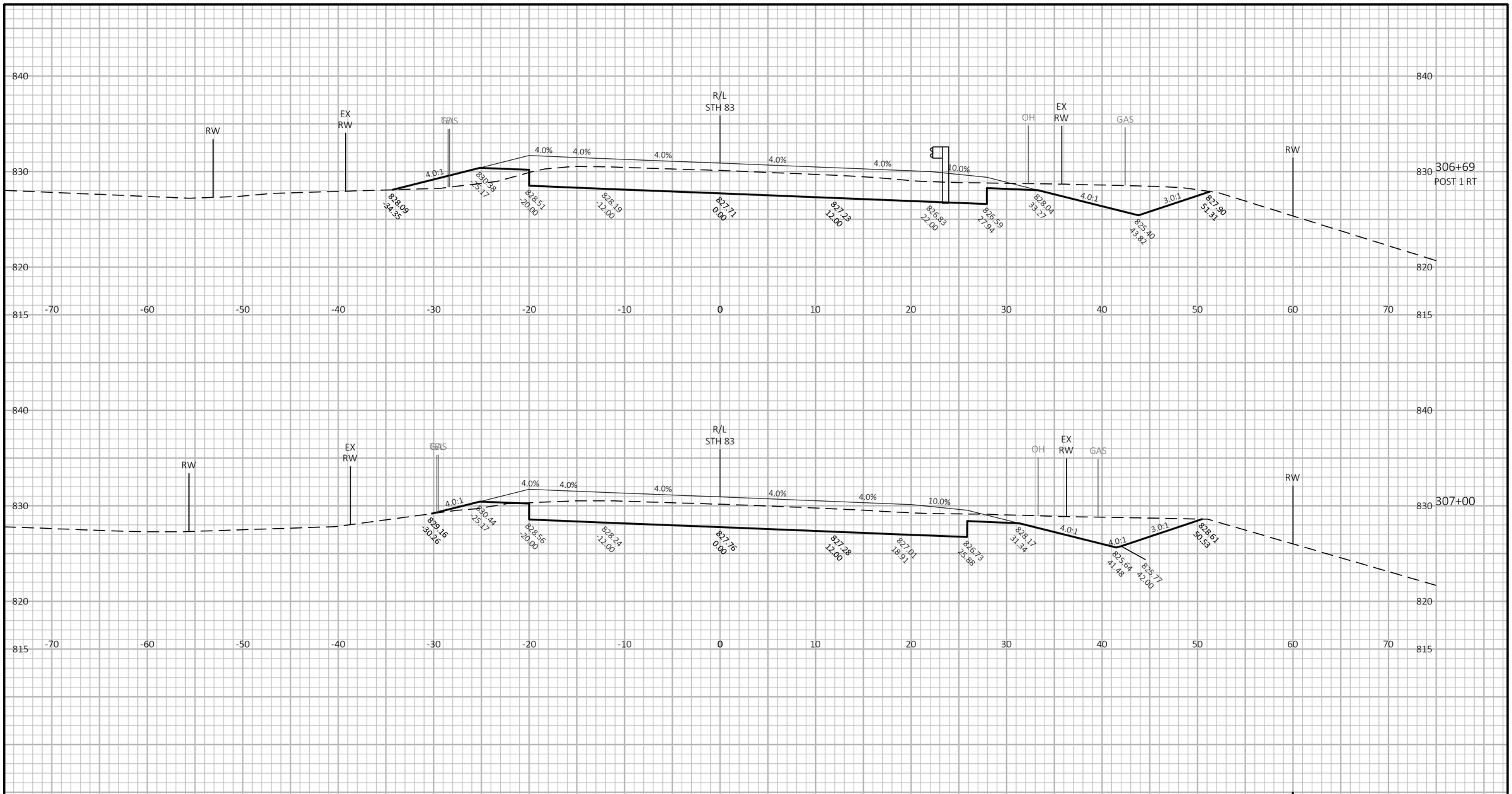
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 470	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-11-83

PLOT DATE : 10/2/2022 12:43 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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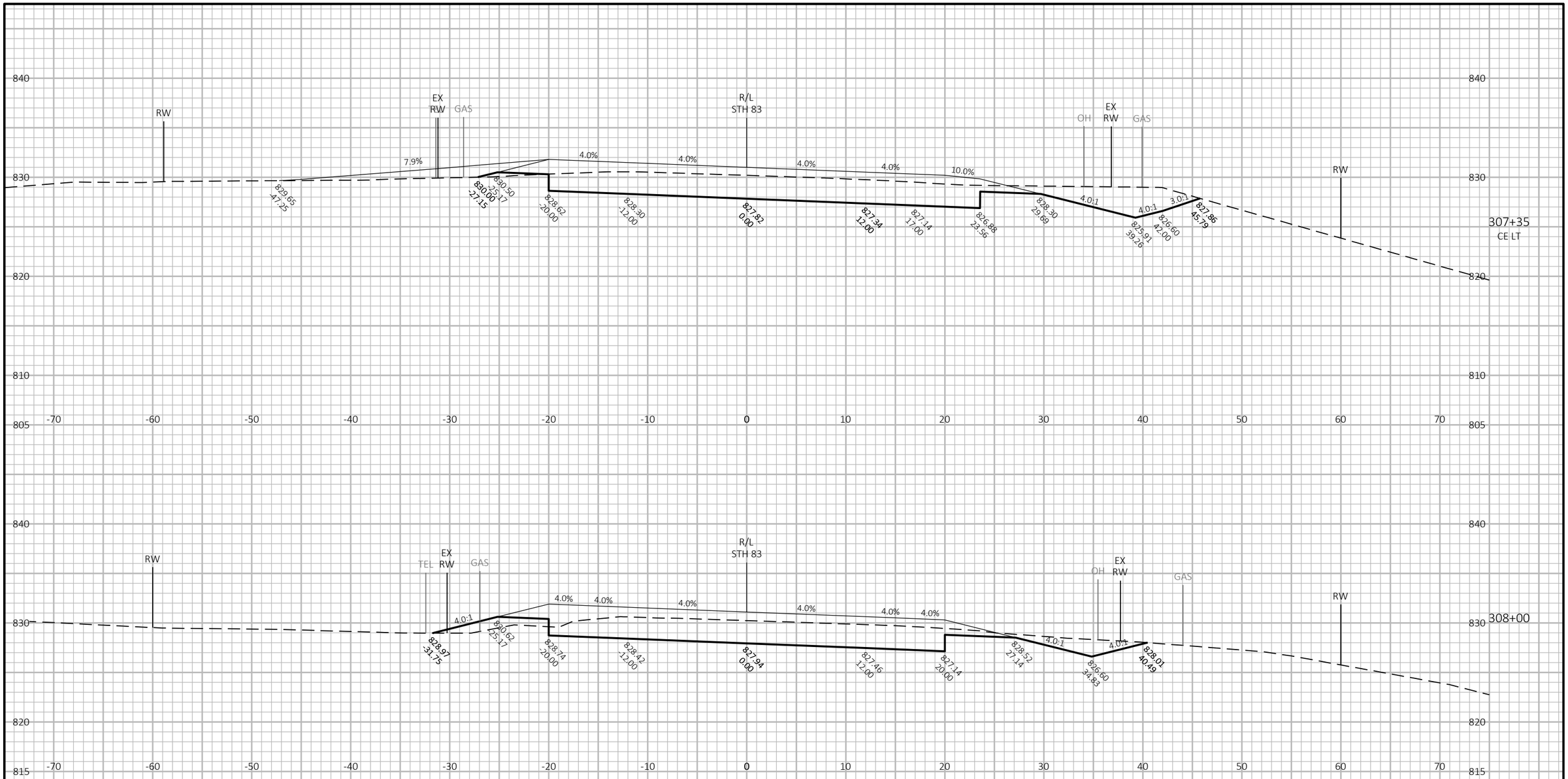
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 471	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-12-83

PLOT DATE : 10/2/2022 12:43 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

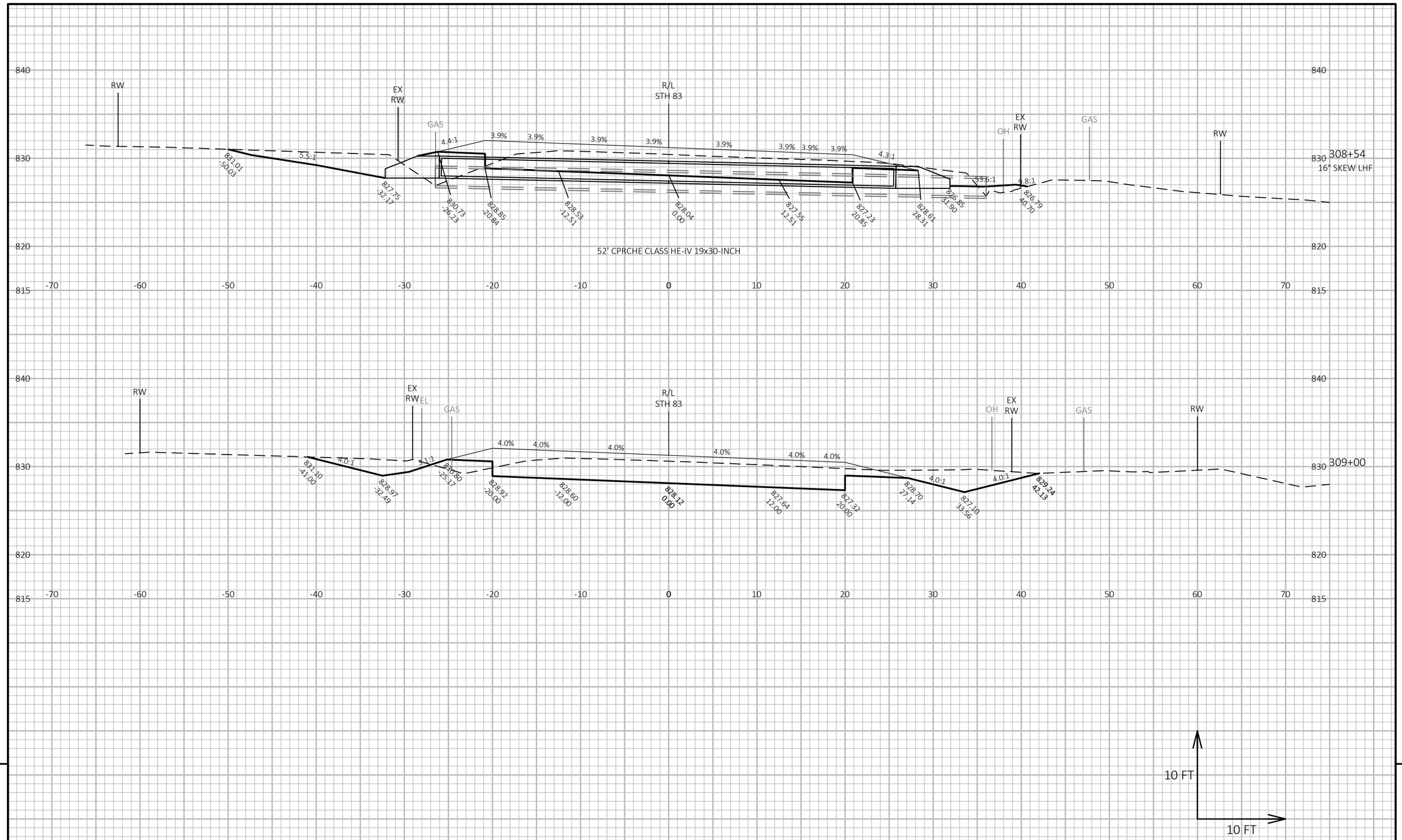


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 472	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-13-83

PLOT DATE : 10/2/2022 12:43 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



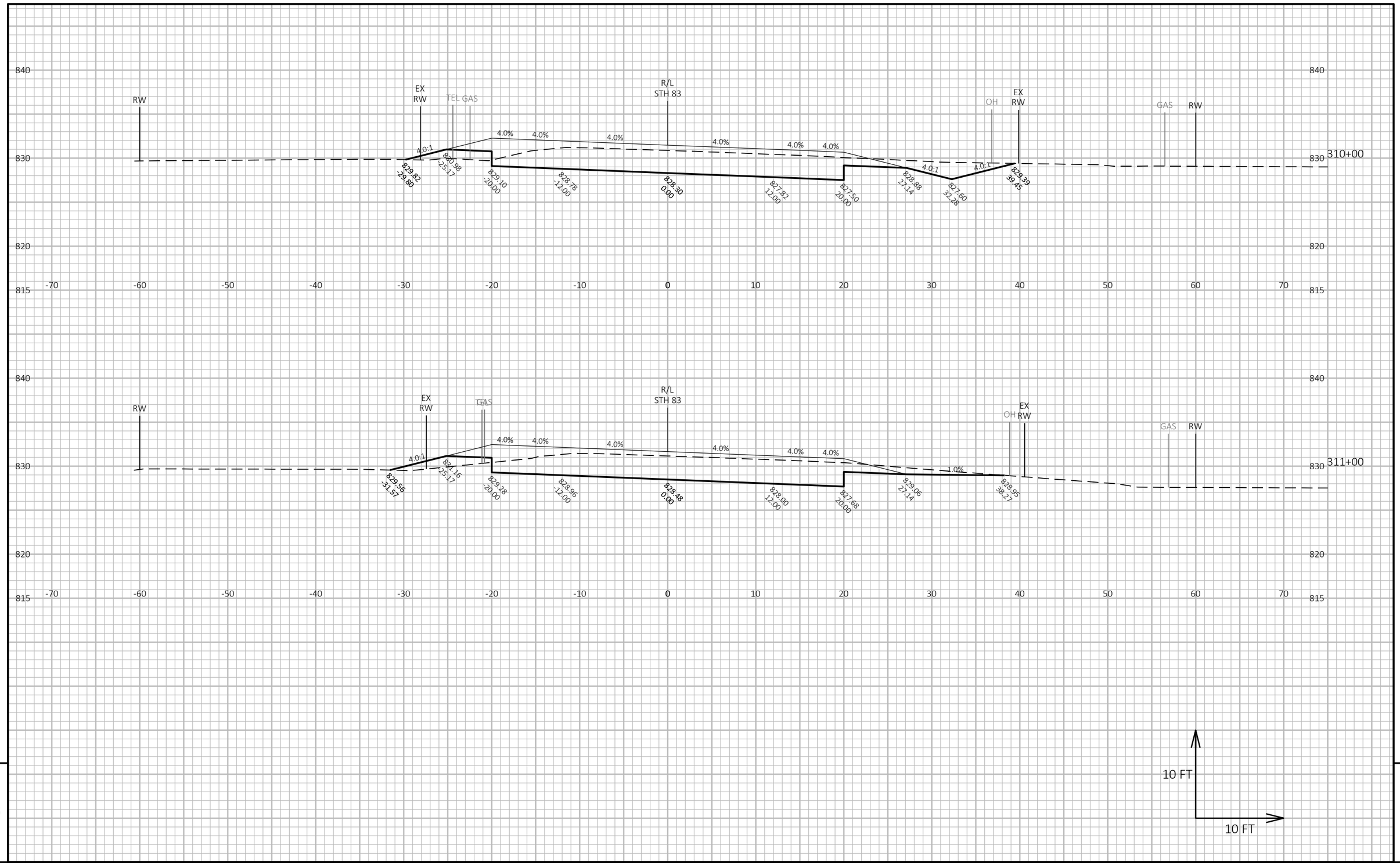
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 473	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-14-83

PLOT DATE : 10/2/2022 12:44 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

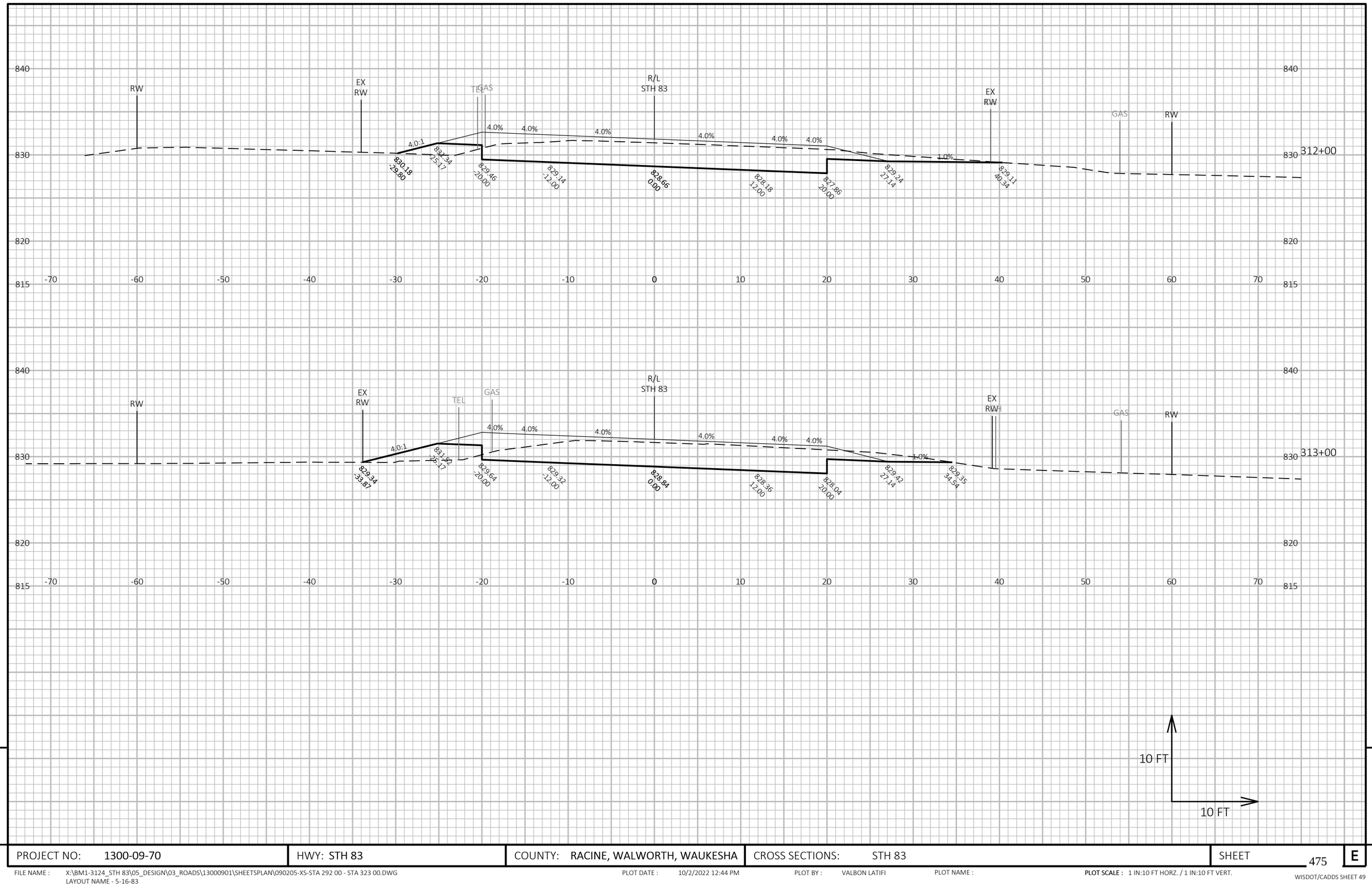
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 474	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-15-83

PLOT DATE : 10/2/2022 12:44 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

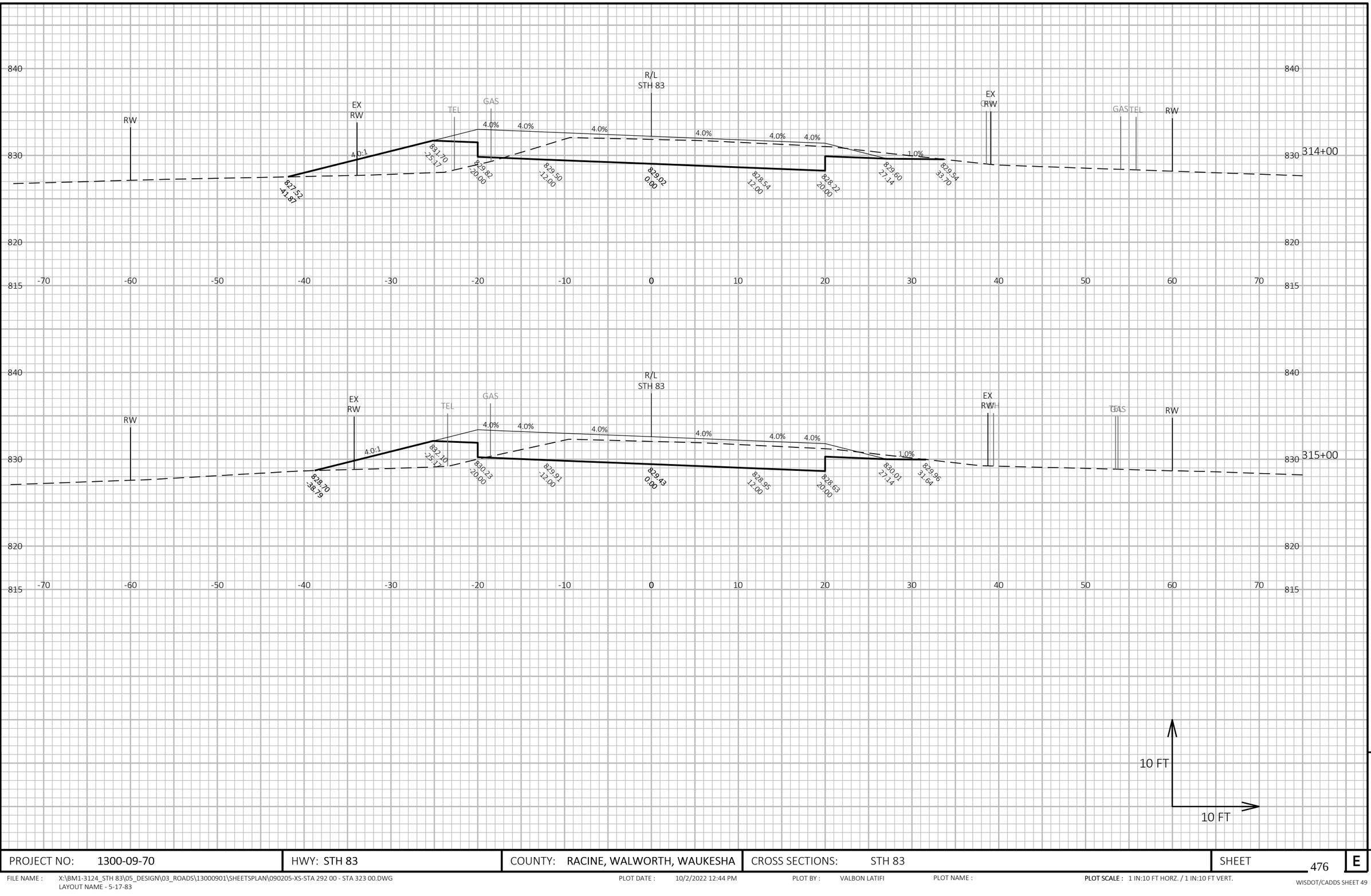
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FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-16-83

PLOT DATE : 10/2/2022 12:44 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9



9

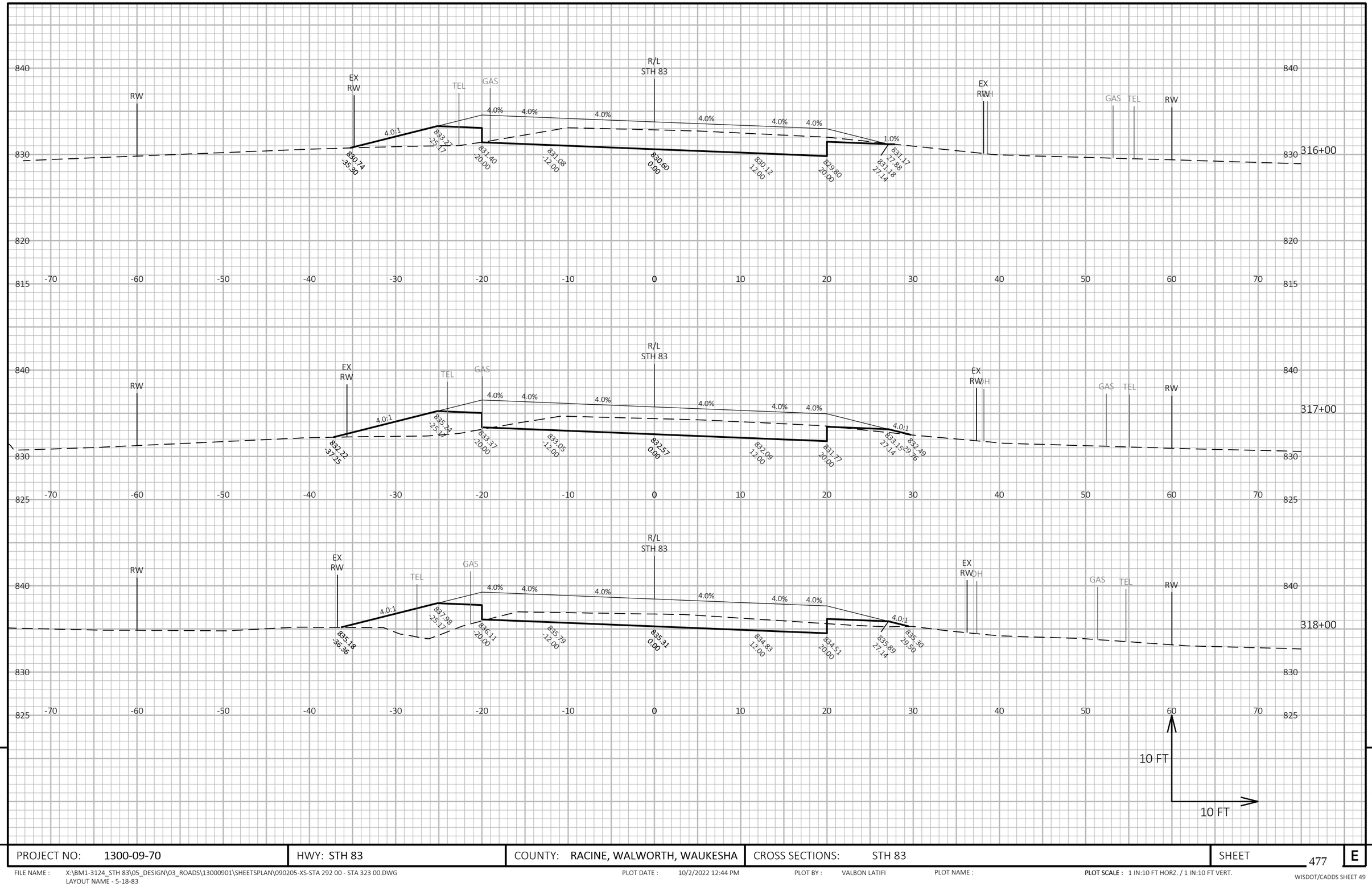
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 476	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-17-83

PLOT DATE : 10/2/2022 12:44 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

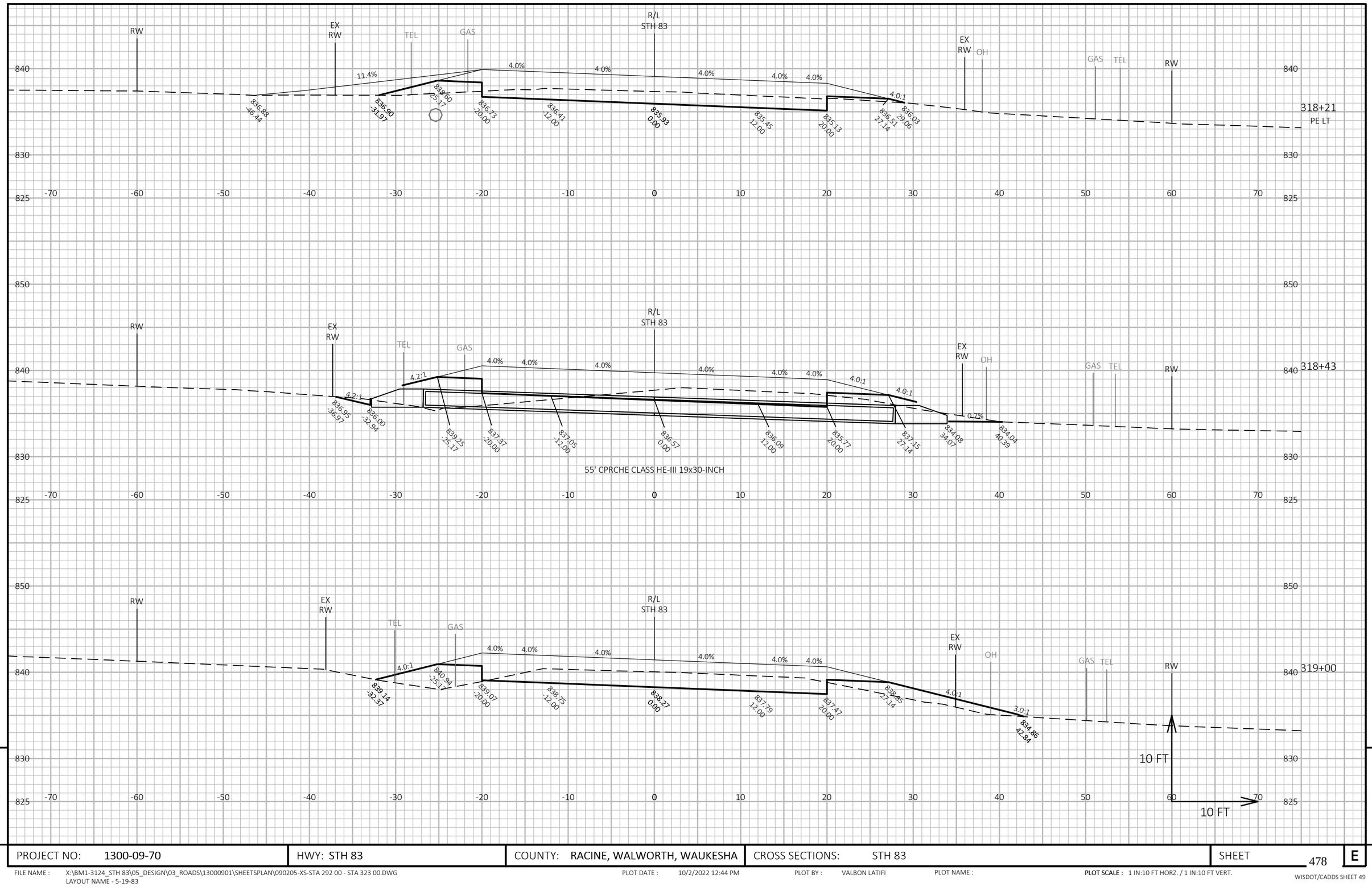


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 477 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-18-83

PLOT DATE : 10/2/2022 12:44 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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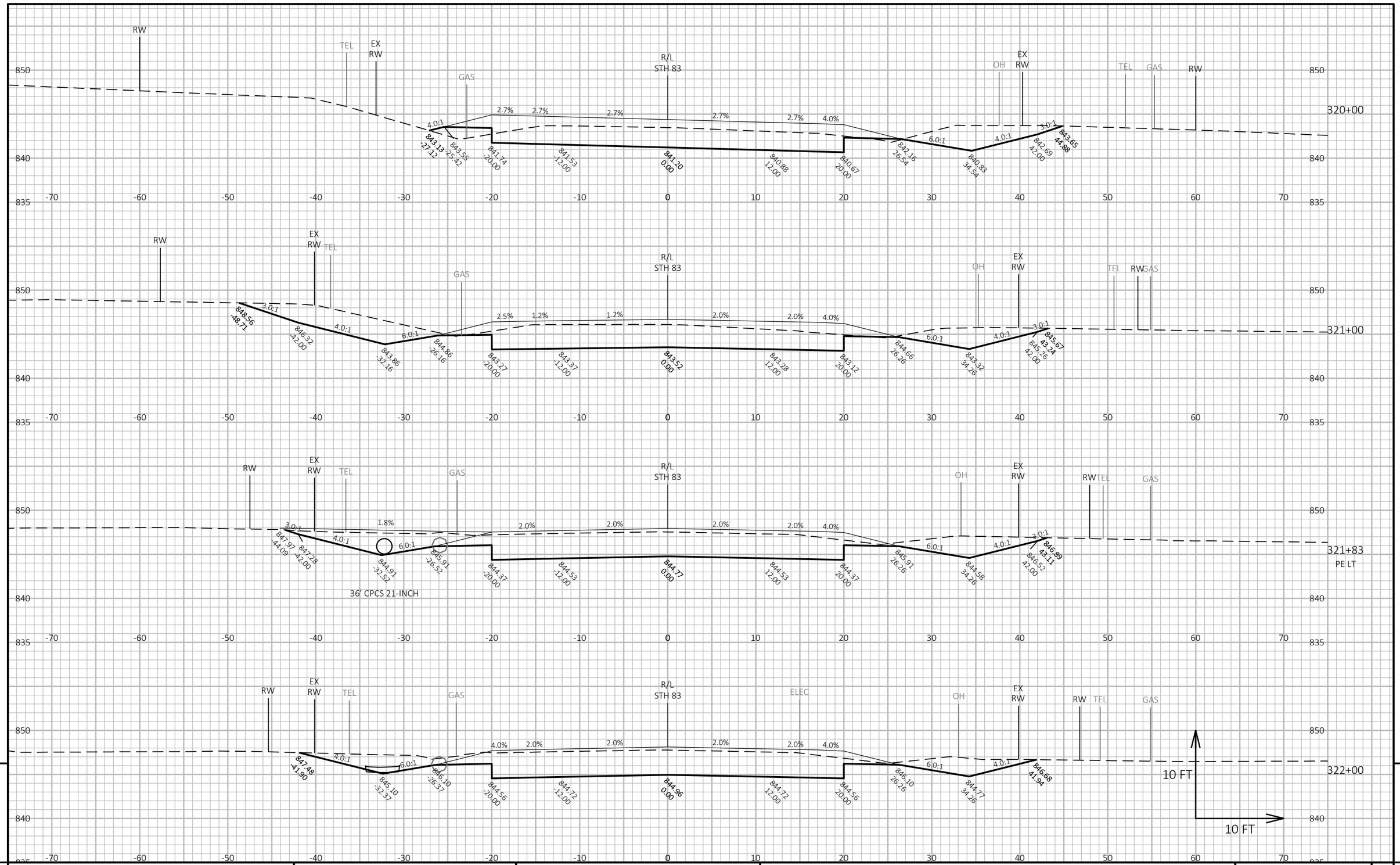
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 478	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-19-83

PLOT DATE : 10/2/2022 12:44 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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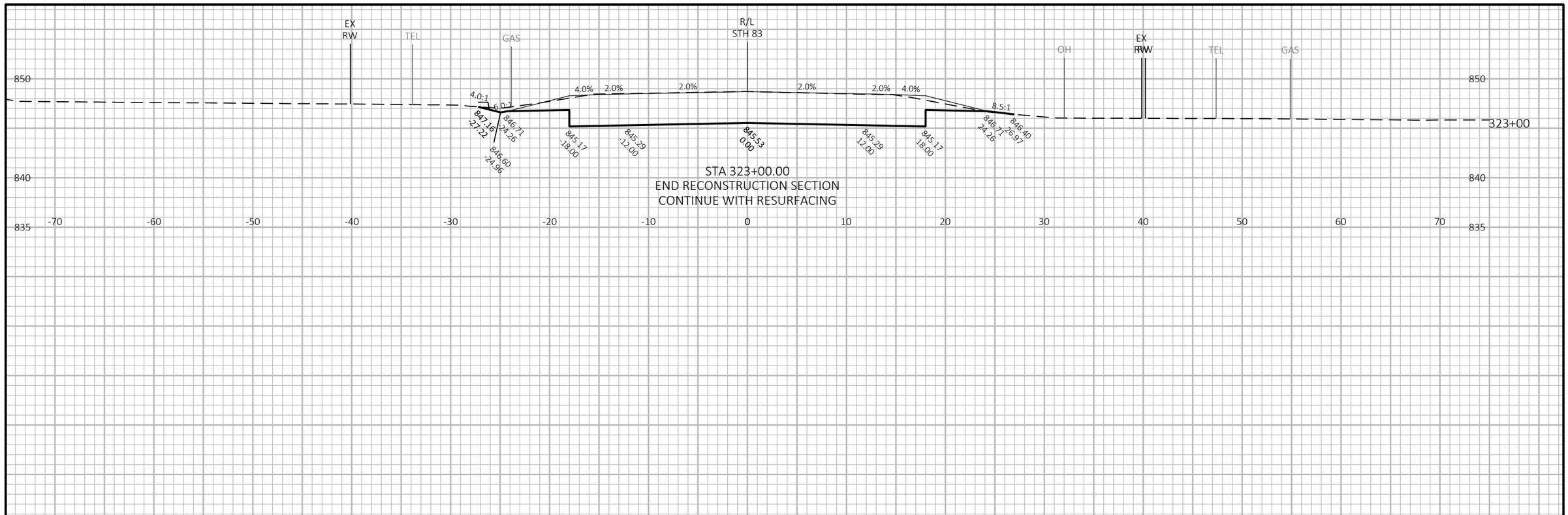
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 479	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-20-83

PLOT DATE : 10/2/2022 12:44 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

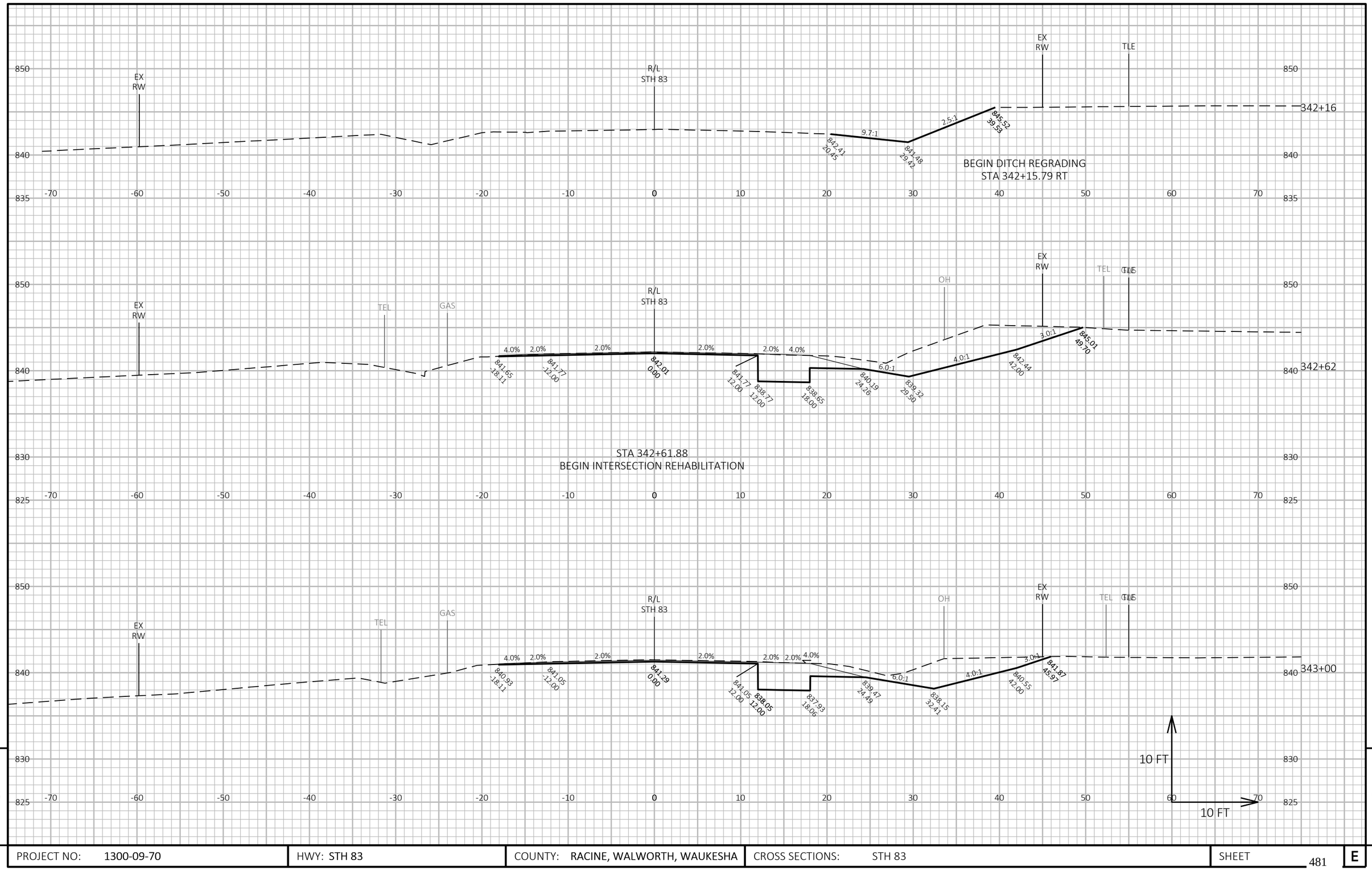


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 480	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090205-XS-STA 292 00 - STA 323 00.DWG
LAYOUT NAME - 5-21-83

PLOT DATE : 10/2/2022 12:45 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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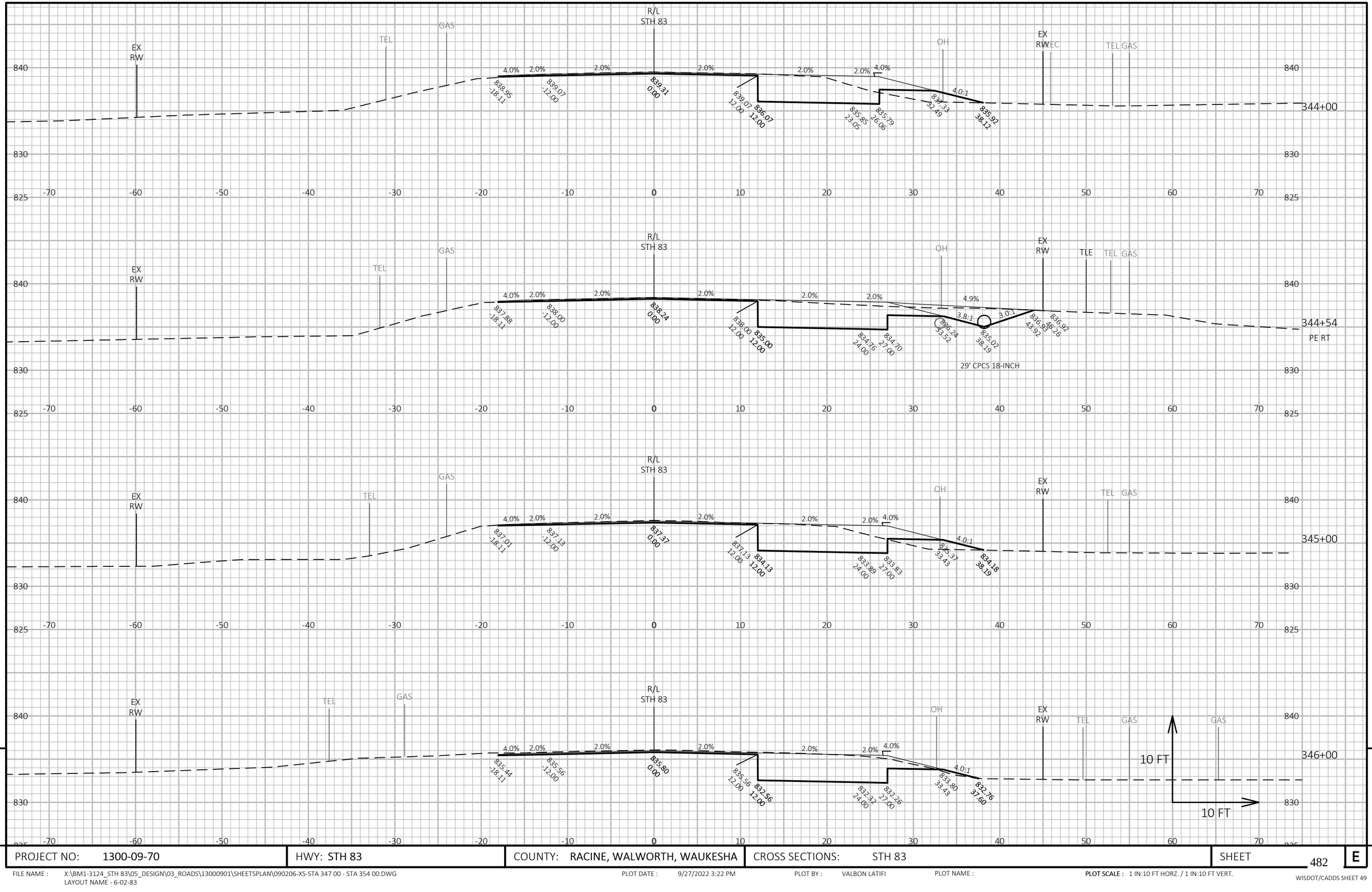
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 481	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-01-83

PLOT DATE : 9/27/2022 3:22 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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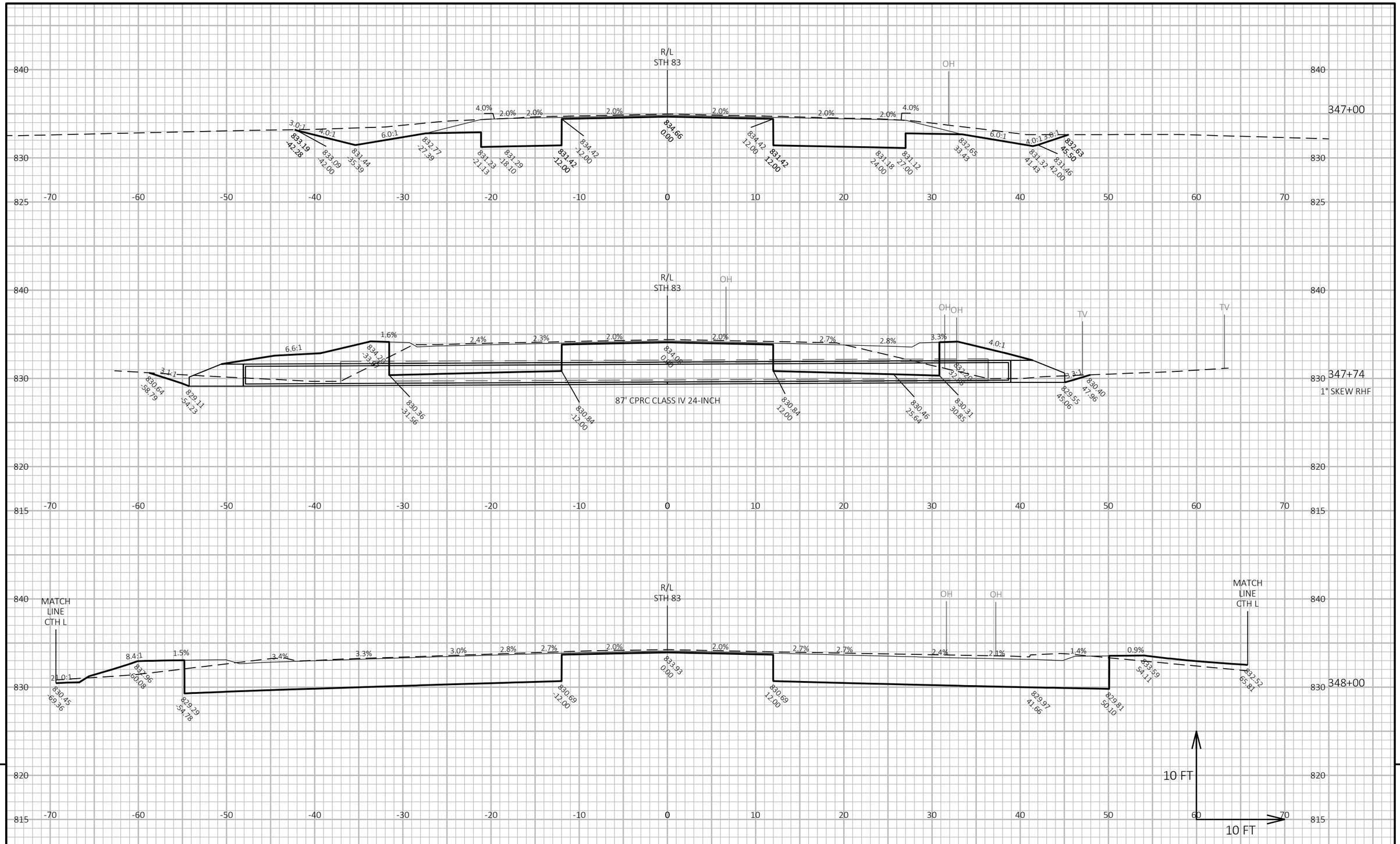
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 482	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-02-83

PLOT DATE : 9/27/2022 3:22 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

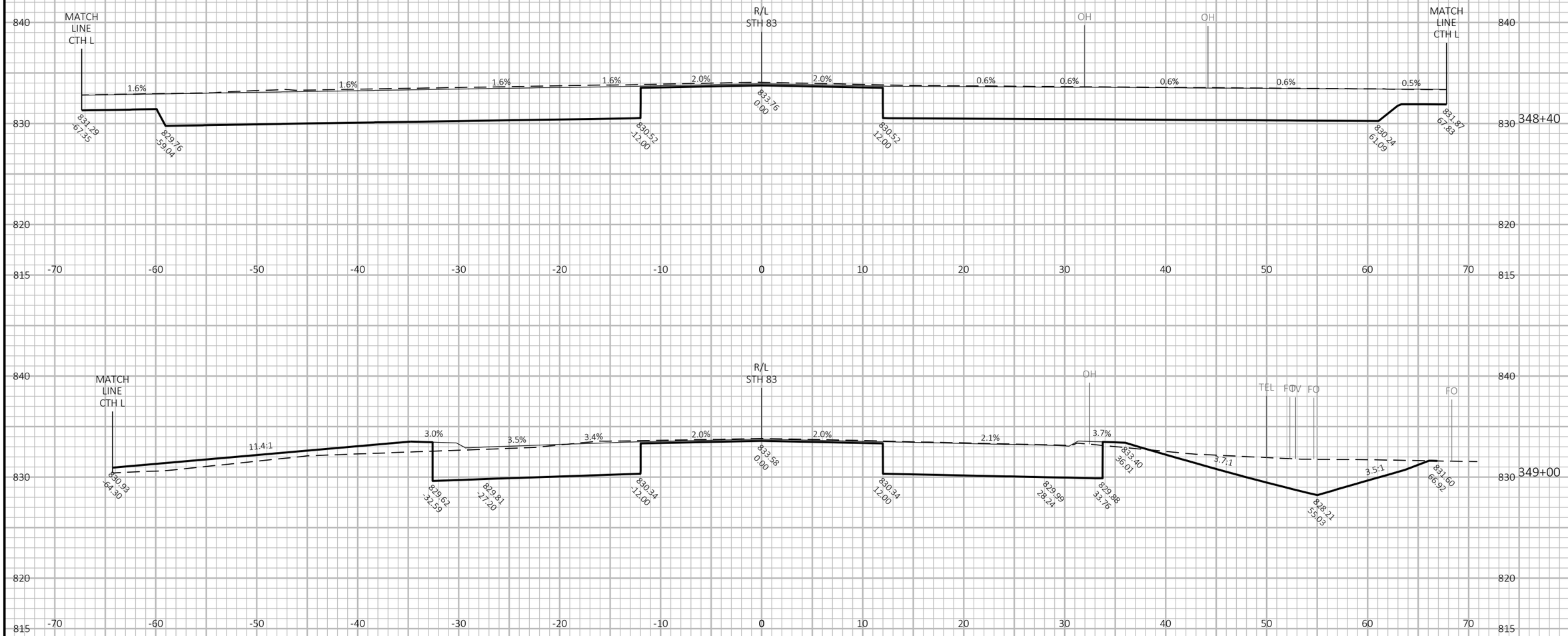


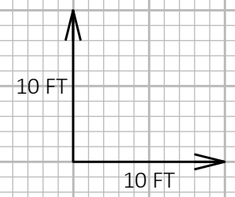
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 483 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-03-83

PLOT DATE : 9/27/2022 3:22 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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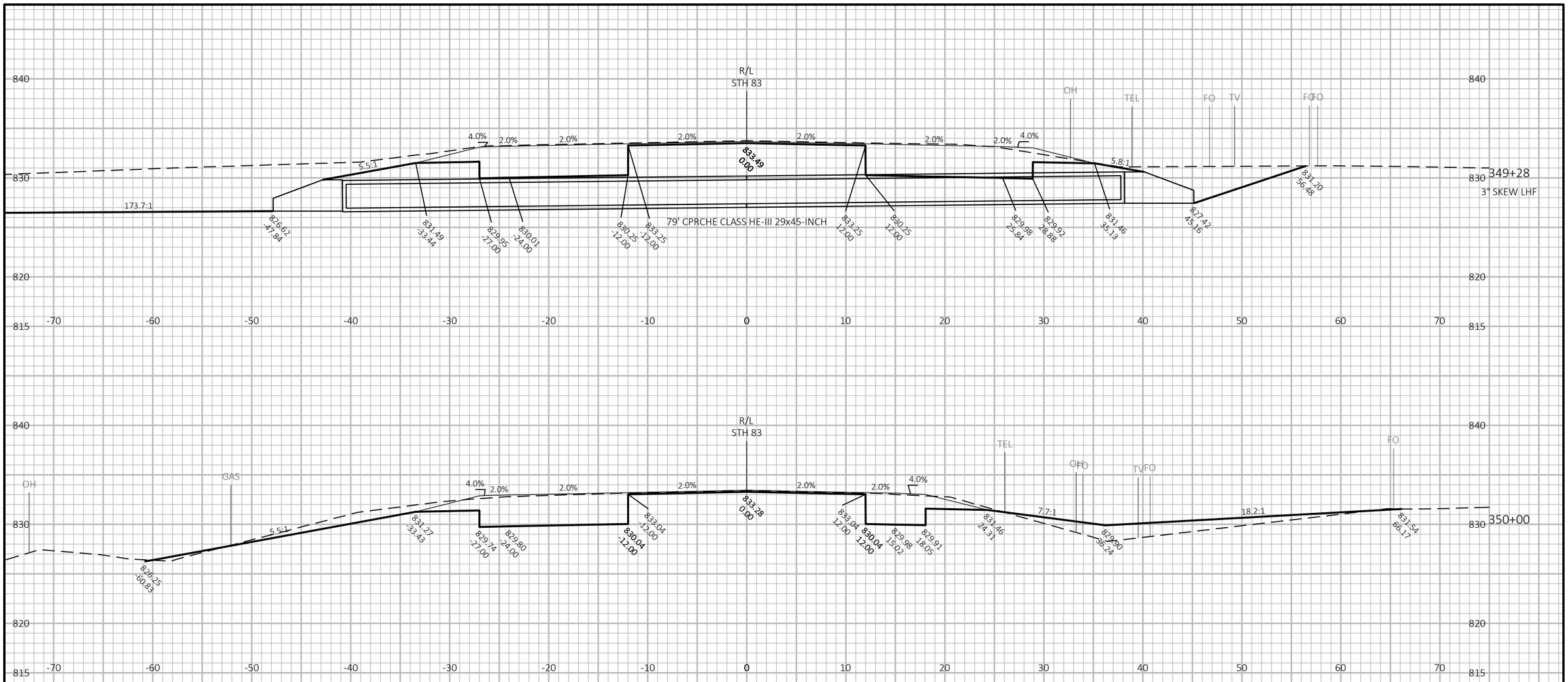
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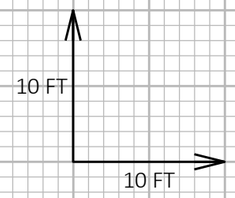
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 484	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-04-83

PLOT DATE : 9/27/2022 3:23 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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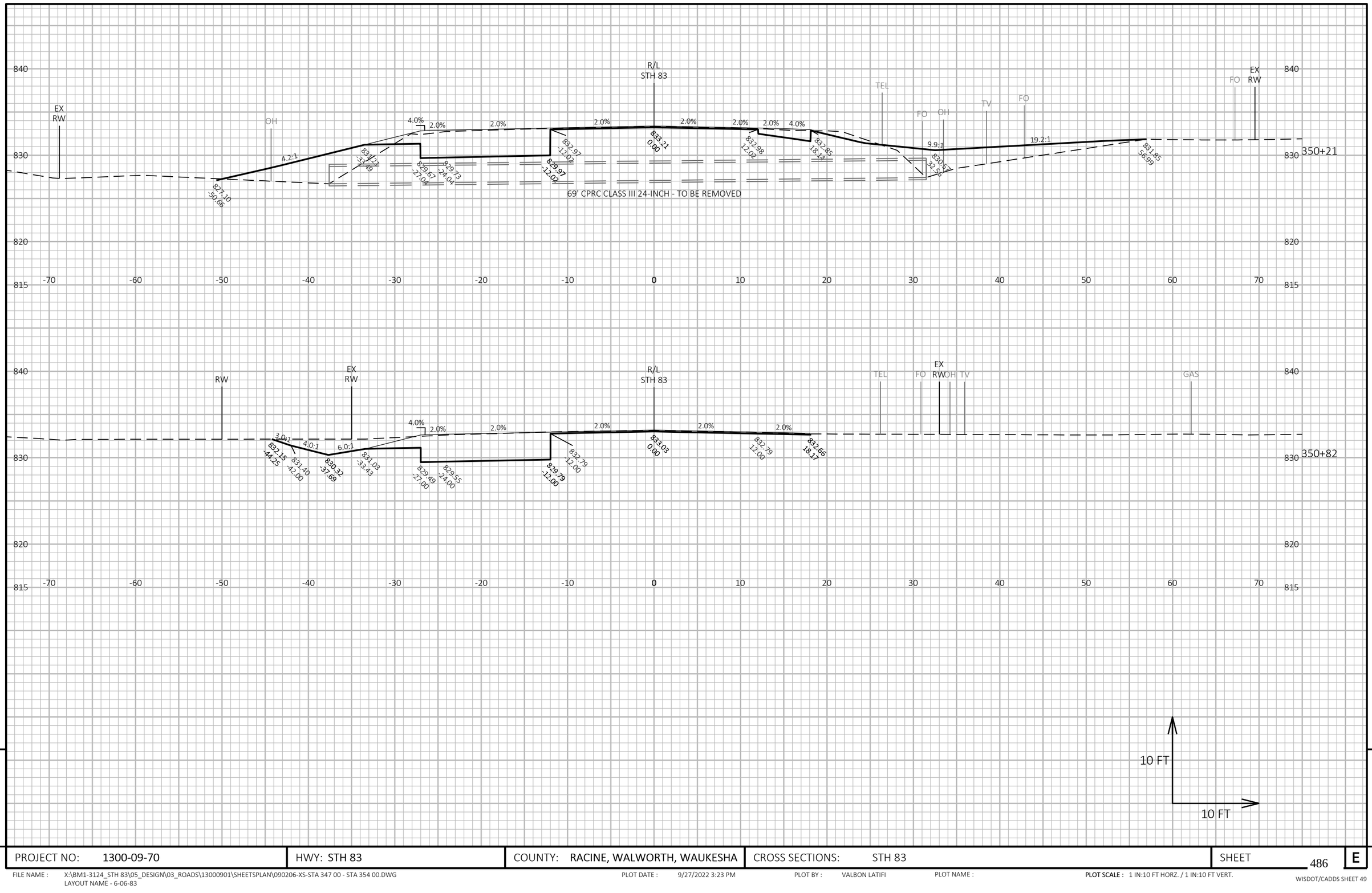
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 485	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-05-83

PLOT DATE : 9/27/2022 3:23 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

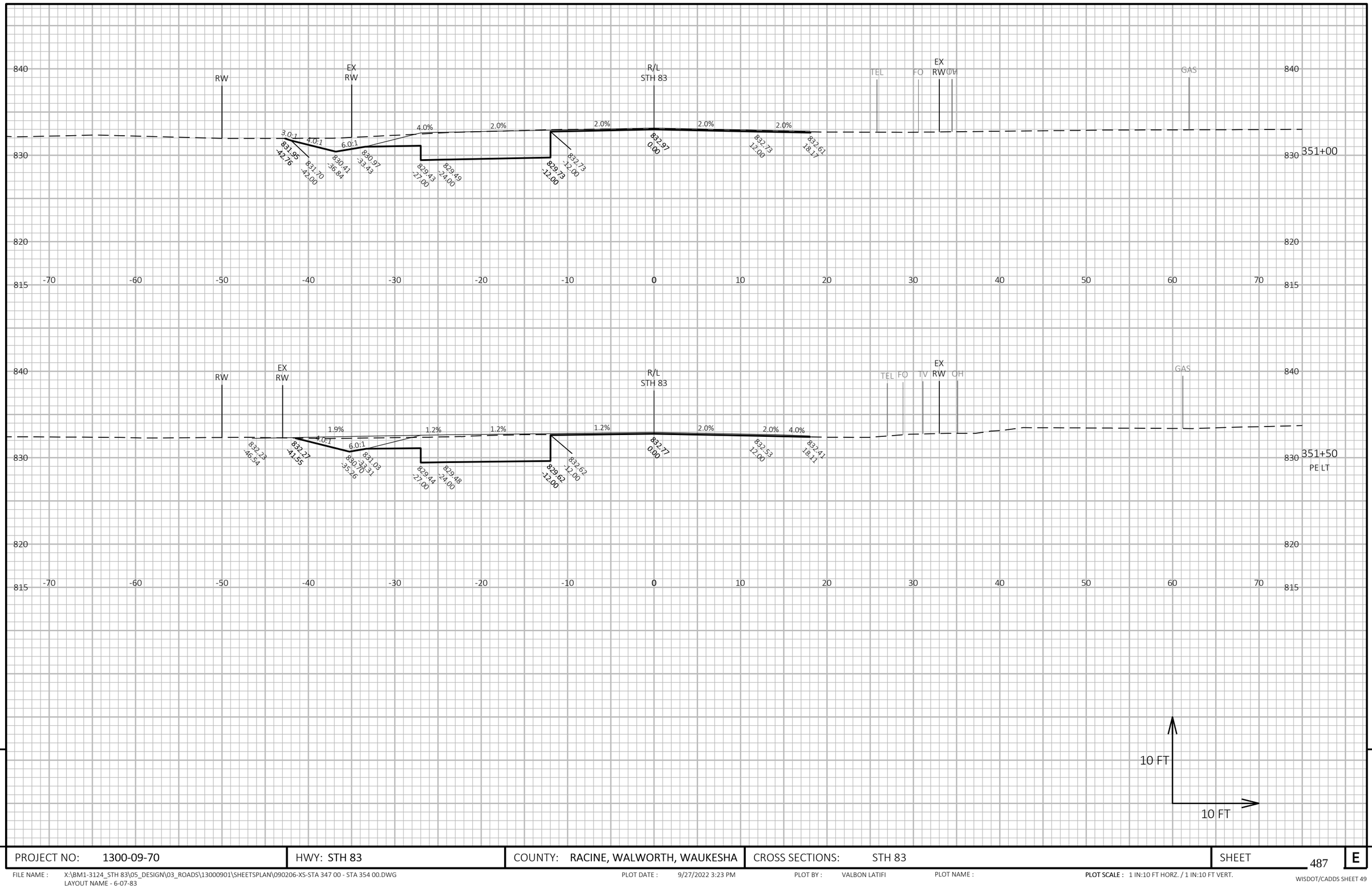
WISDOT/CADDS SHEET 49



PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 486	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-06-83

PLOT DATE : 9/27/2022 3:23 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

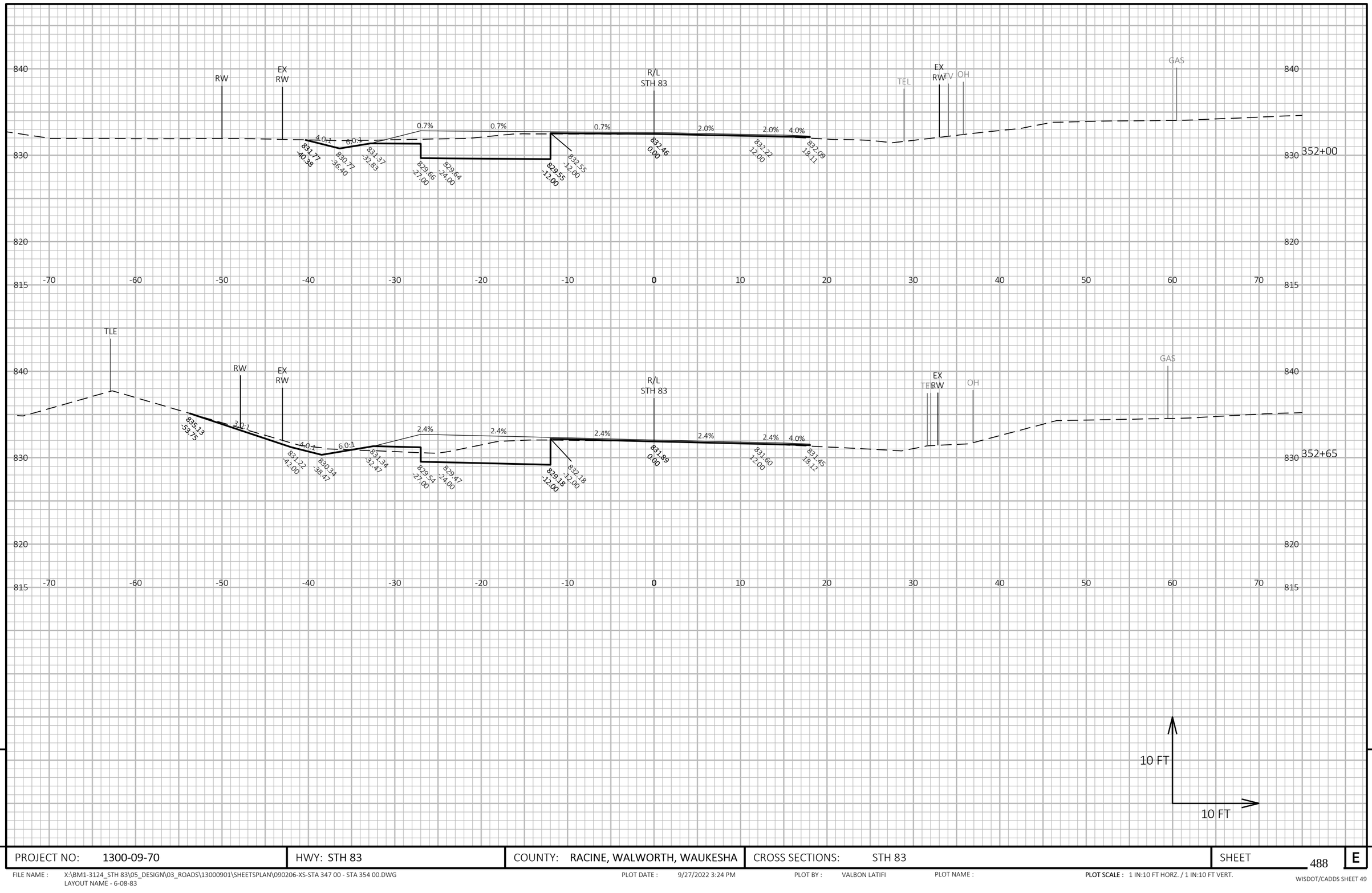


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 487	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-07-83

PLOT DATE : 9/27/2022 3:23 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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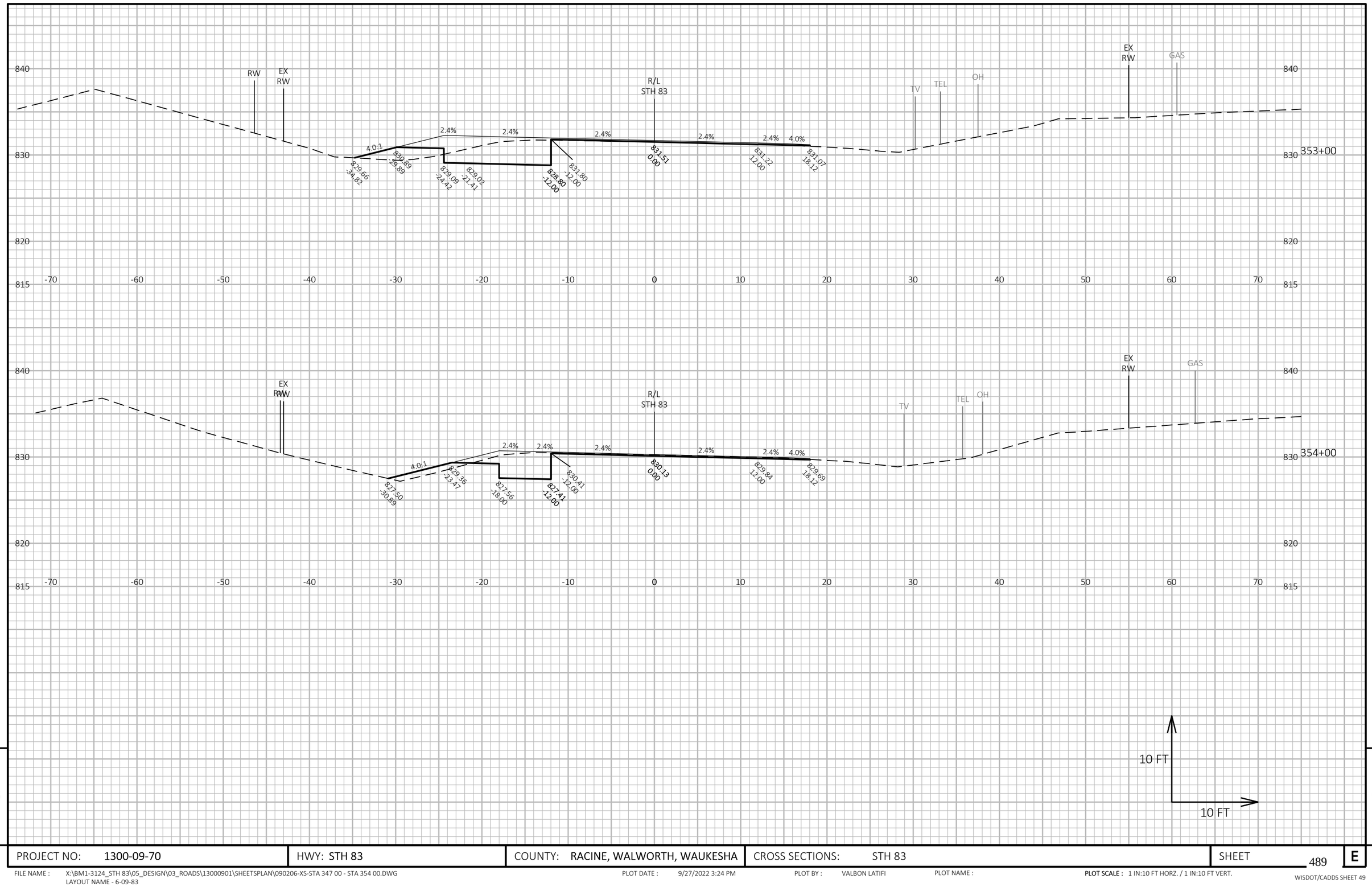
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 488	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-08-83

PLOT DATE : 9/27/2022 3:24 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

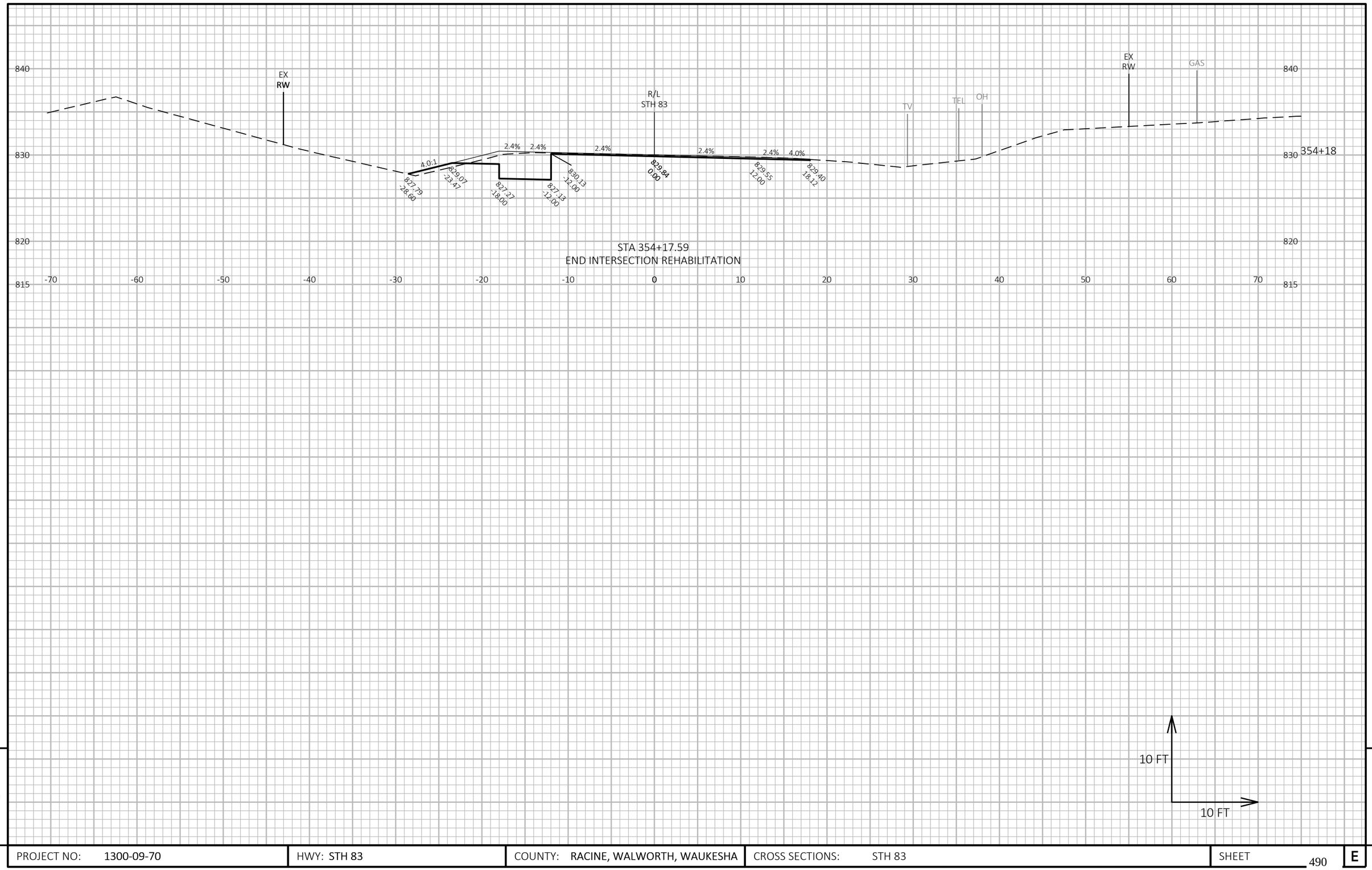


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 489	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-09-83

PLOT DATE : 9/27/2022 3:24 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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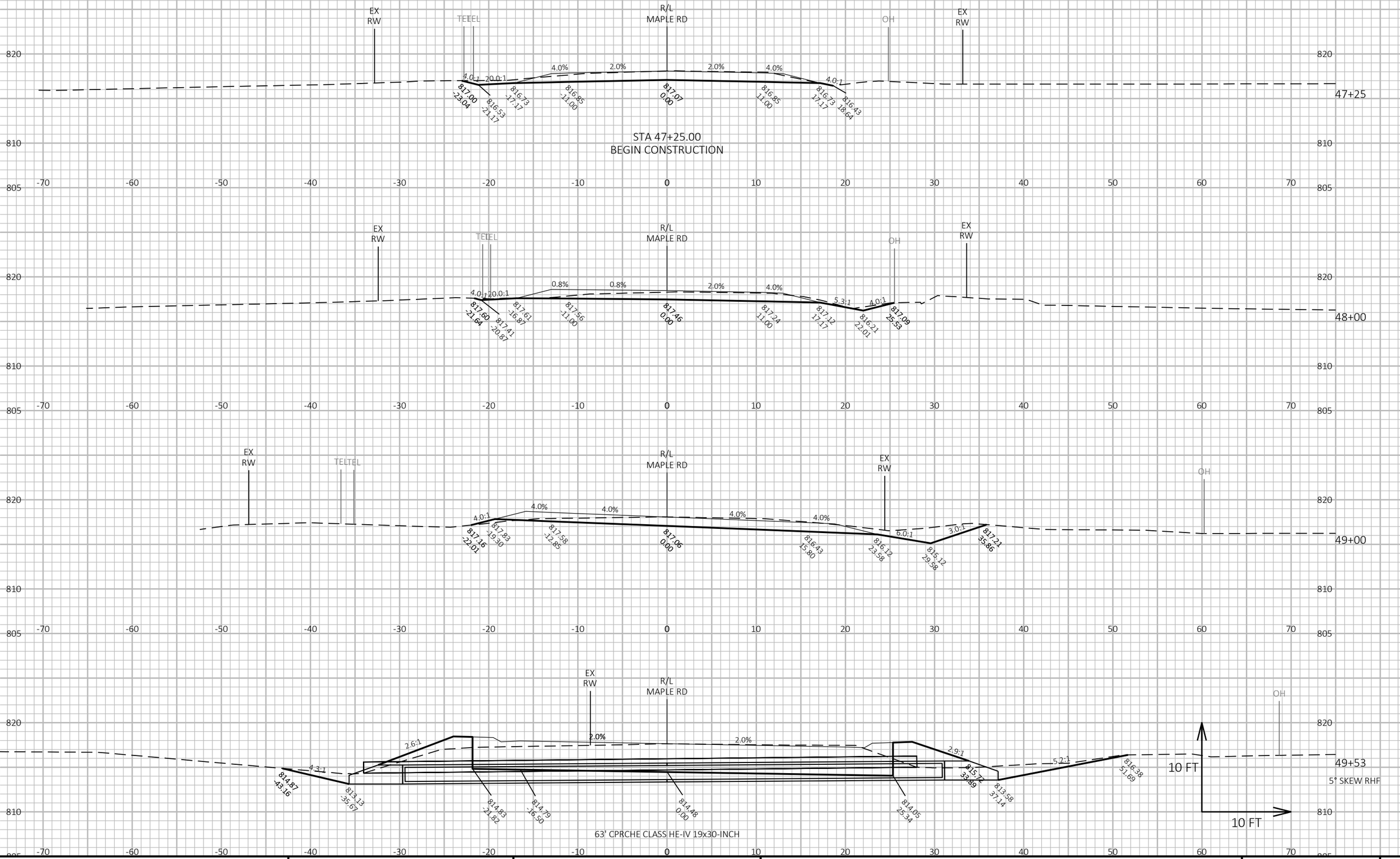
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: STH 83	SHEET 490	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090206-XS-STA 347 00 - STA 354 00.DWG
LAYOUT NAME - 6-10-83

PLOT DATE : 9/27/2022 3:24 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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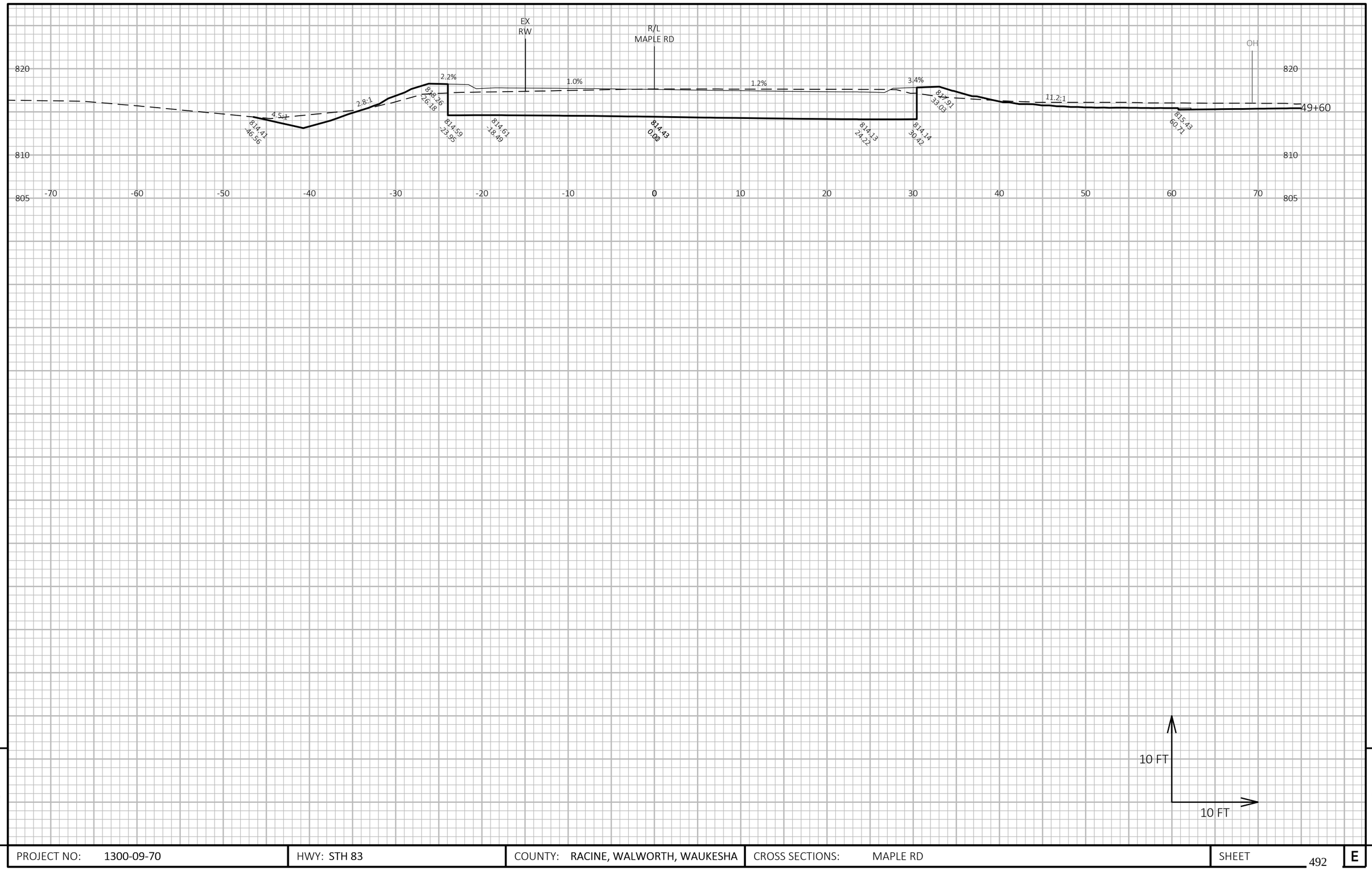
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: MAPLE RD	SHEET 491	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090210-XS-MAPLE RD.DWG
LAYOUT NAME - 01-MapleRd

PLOT DATE : 9/27/2022 10:07 AM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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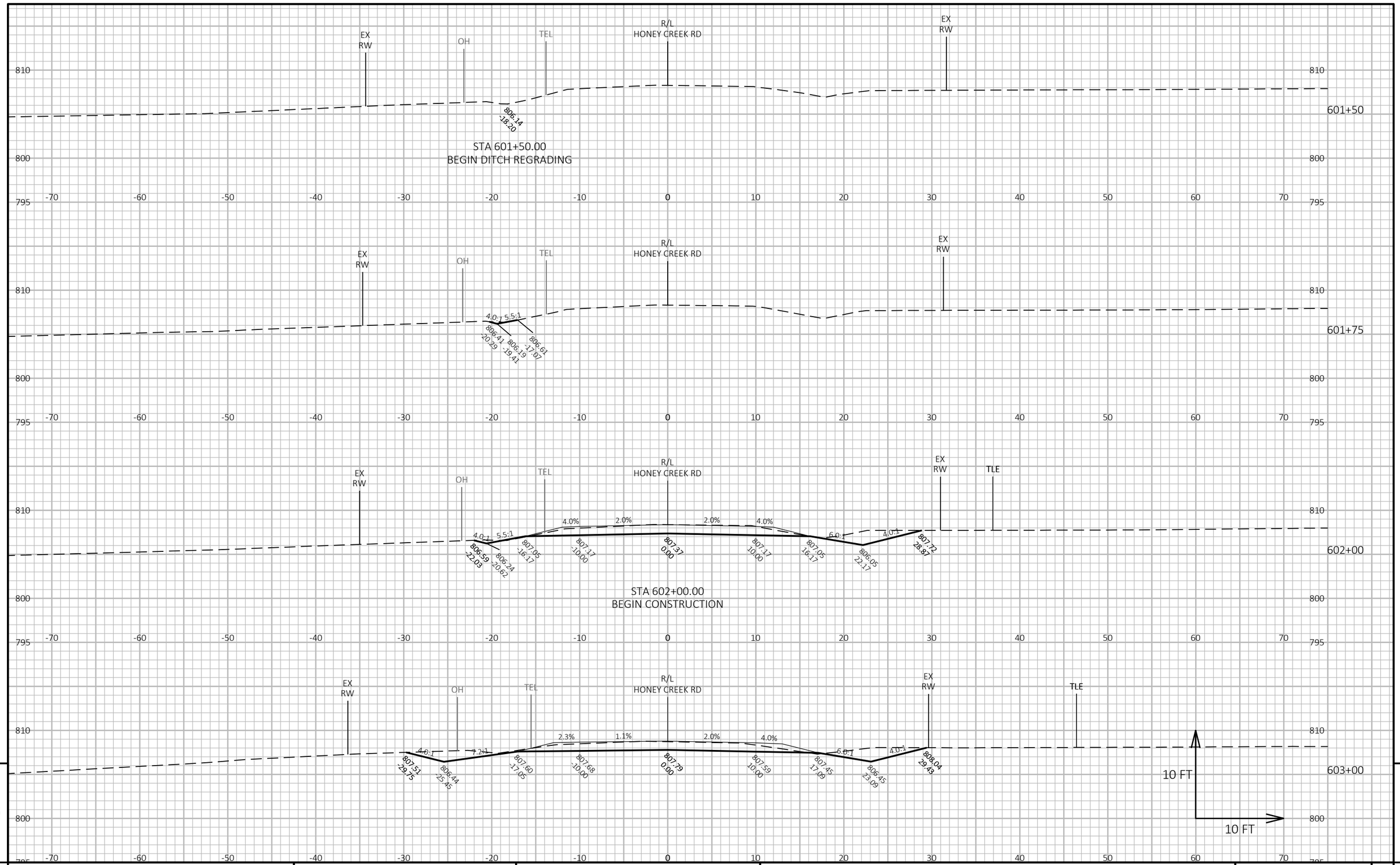
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: MAPLE RD	SHEET 492	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090210-XS-MAPLE RD.DWG
LAYOUT NAME - 02-MapleRd

PLOT DATE : 9/27/2022 10:07 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 493	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 01-HnyCrkRd

PLOT DATE : 9/27/2022 2:41 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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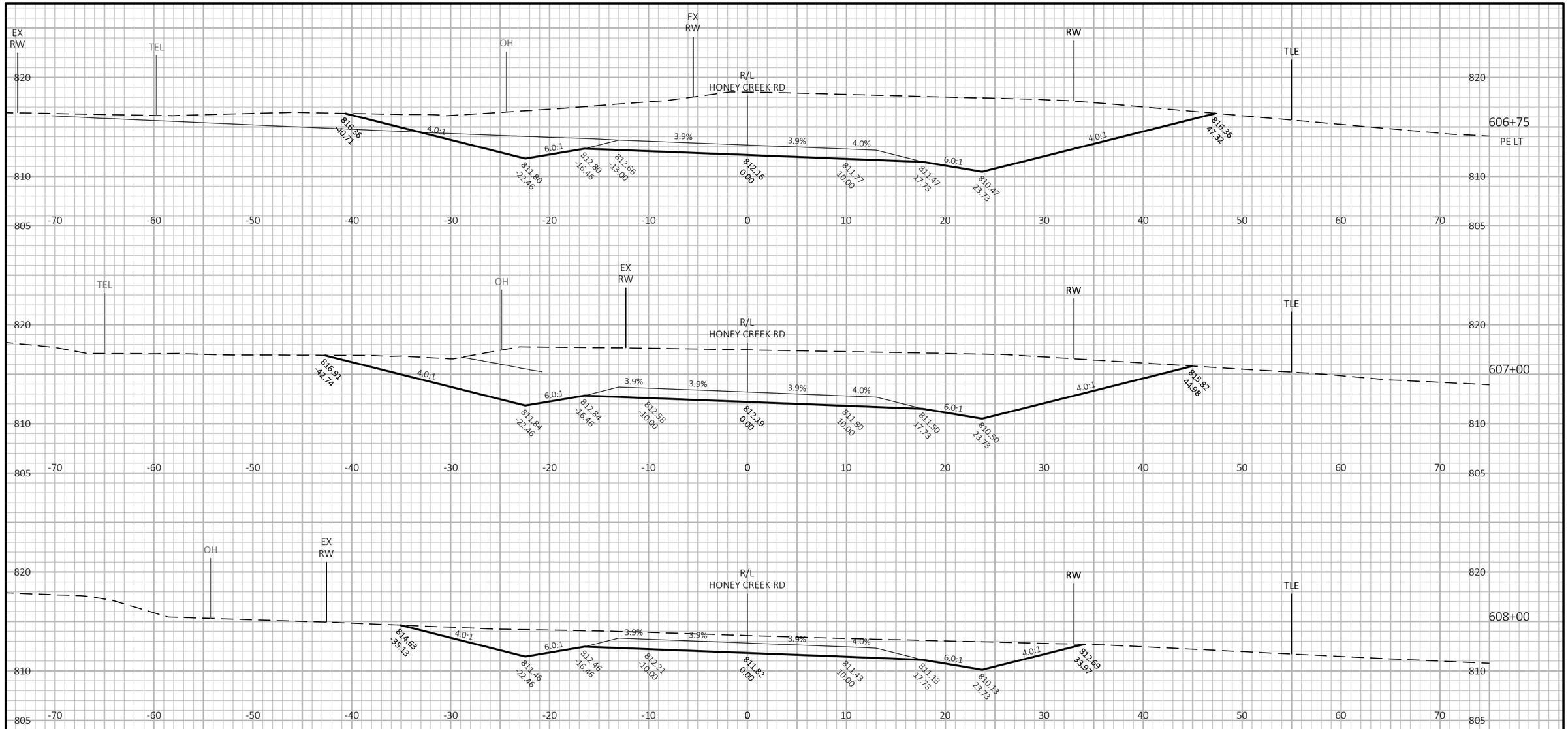
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 494	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 02-HnyCrkRd

PLOT DATE : 9/27/2022 2:41 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

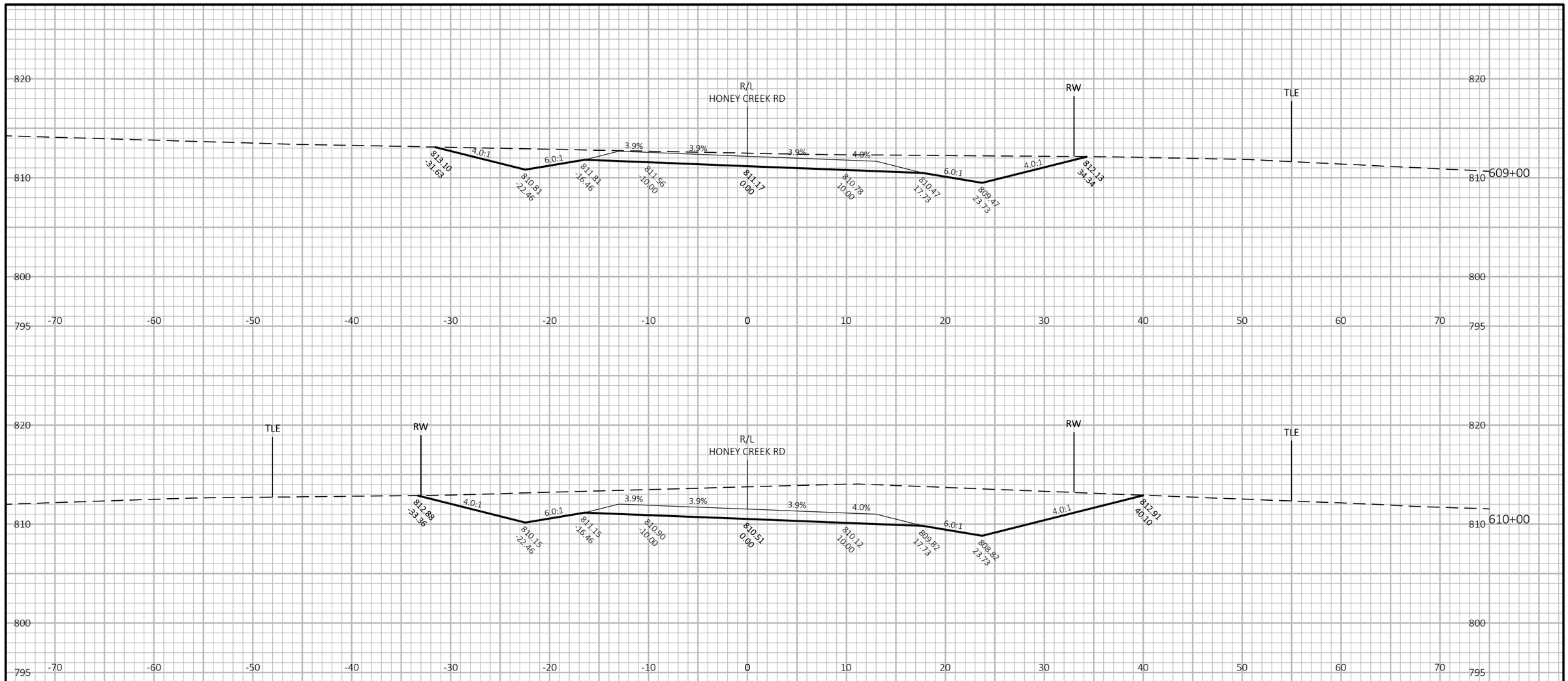


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 495	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 03-HnyCrkRd

PLOT DATE : 9/27/2022 2:42 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



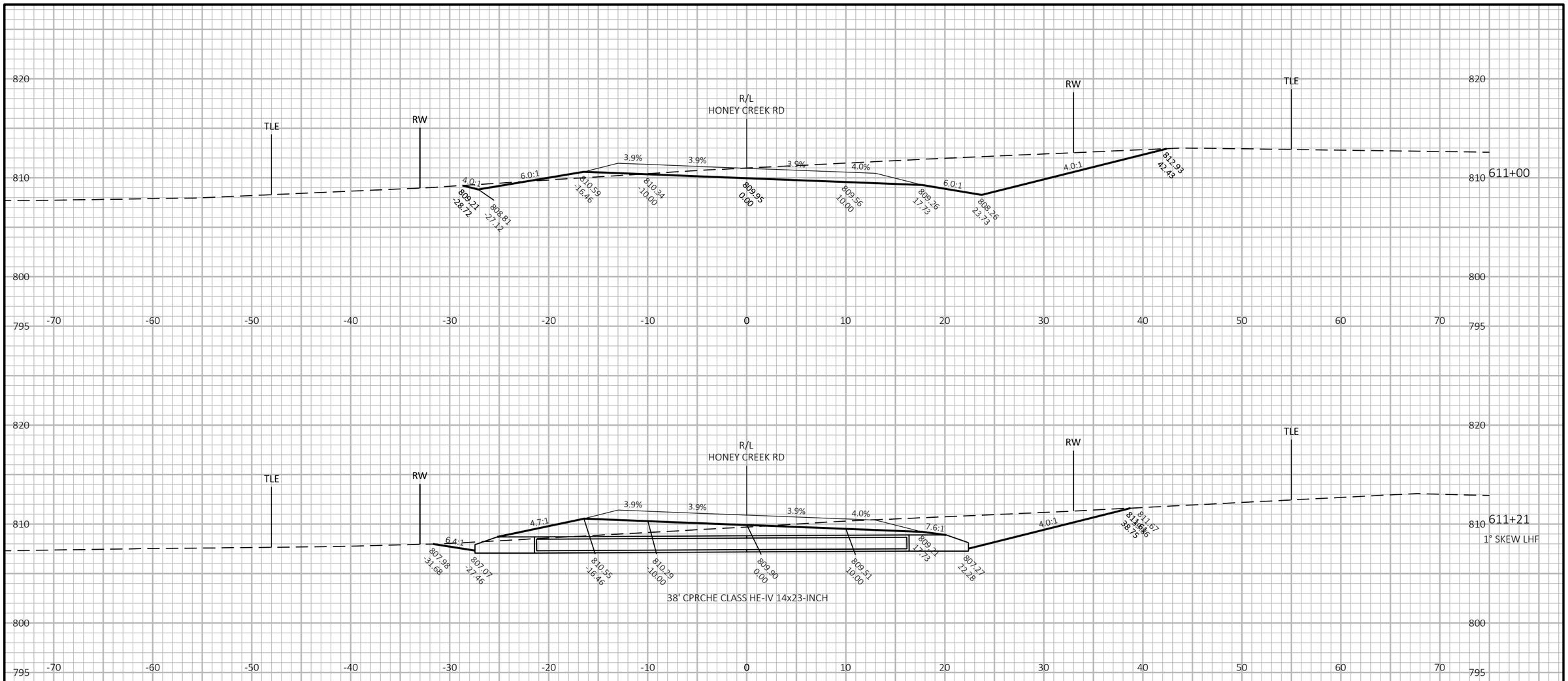
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 496	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 04-HnyCrkRd

PLOT DATE : 9/27/2022 2:42 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



38' CPRCHE CLASS HE-IV 14x23-INCH

10 FT

10 FT

9

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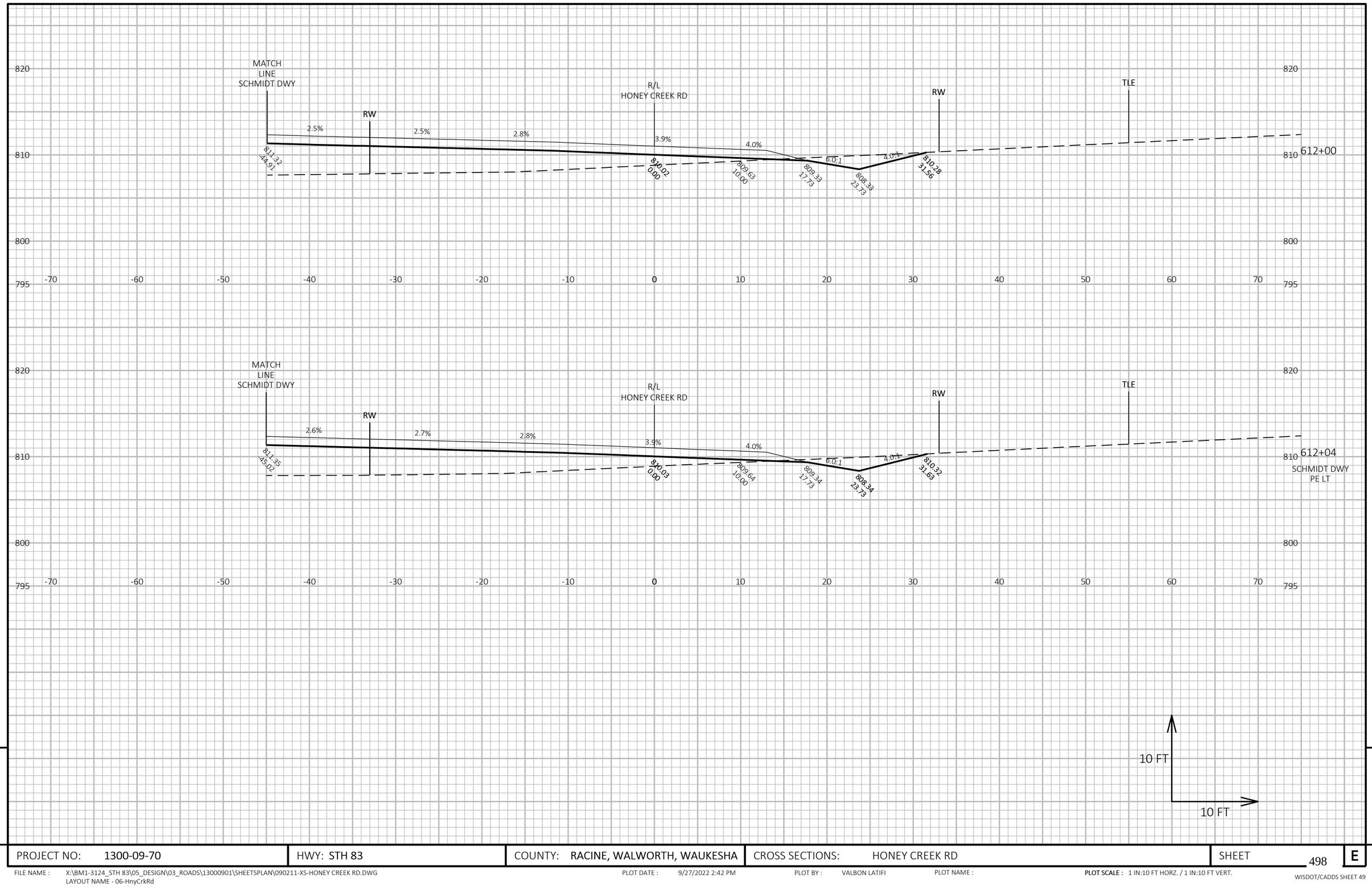
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 497	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 05-HnyCrkRd

PLOT DATE : 9/27/2022 2:42 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 498	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 06-HnyCrkRd

PLOT DATE : 9/27/2022 2:42 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

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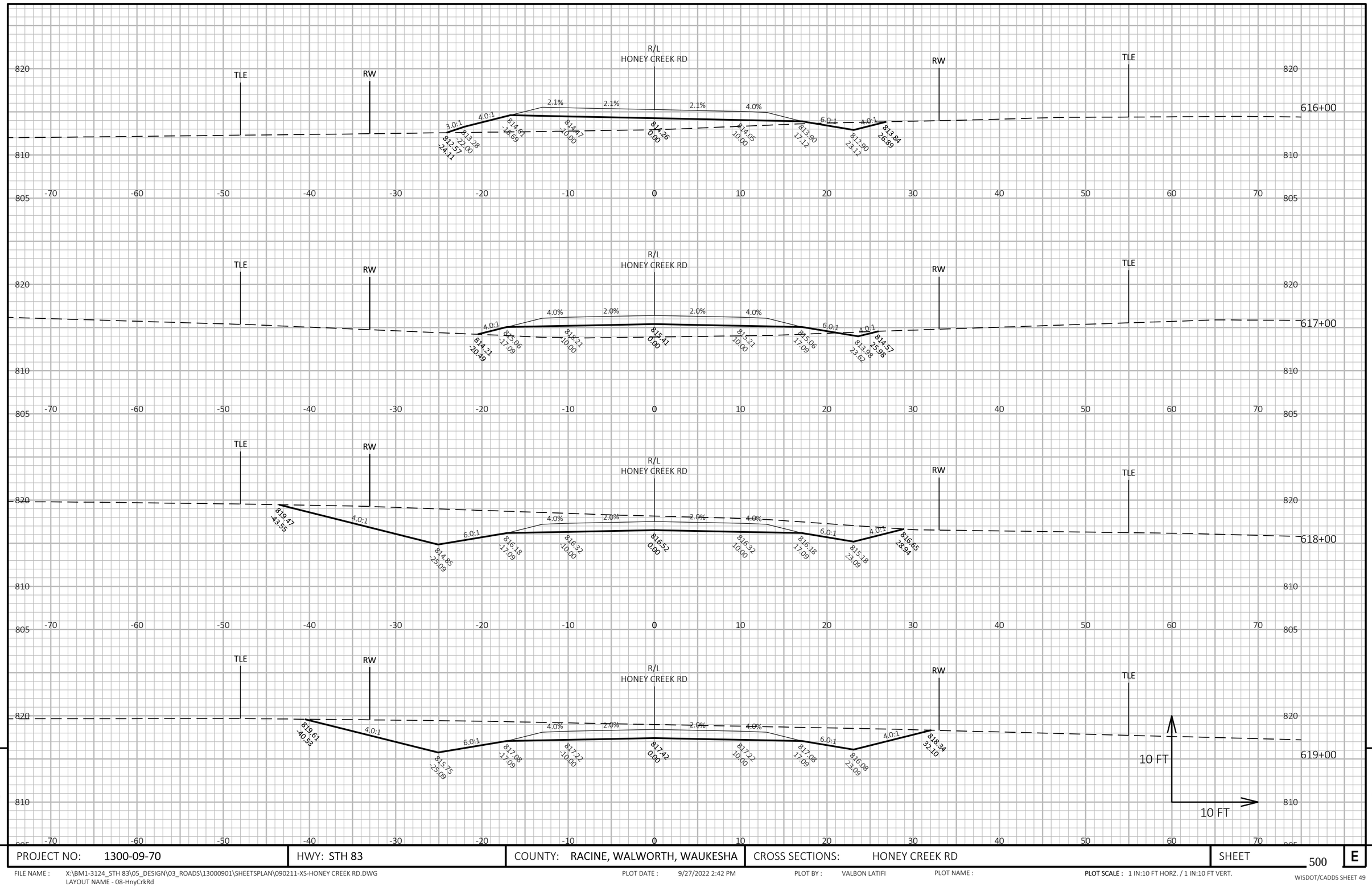
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 499	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 07-HnyCrkRd

PLOT DATE : 9/27/2022 2:42 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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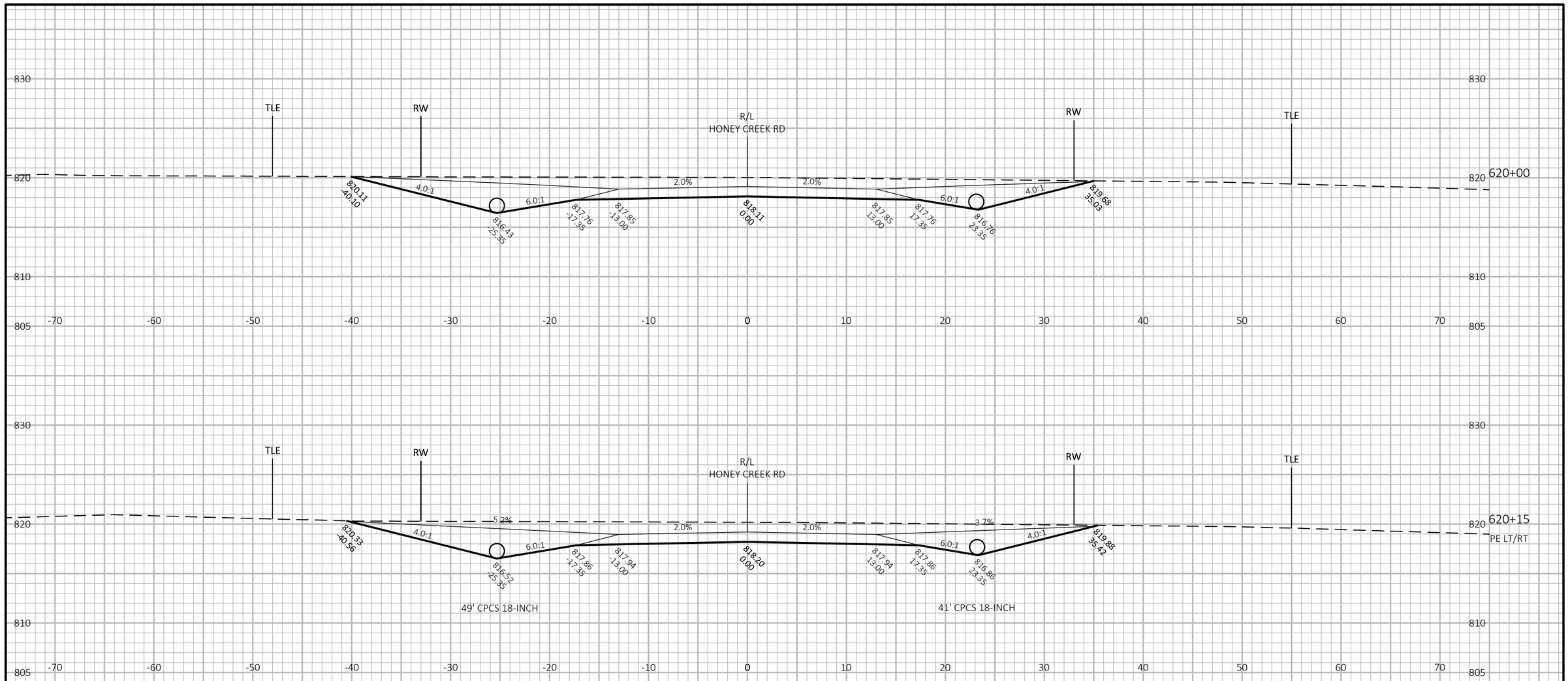
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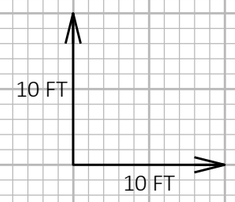
FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 08-HnyCrkRd

PLOT DATE : 9/27/2022 2:42 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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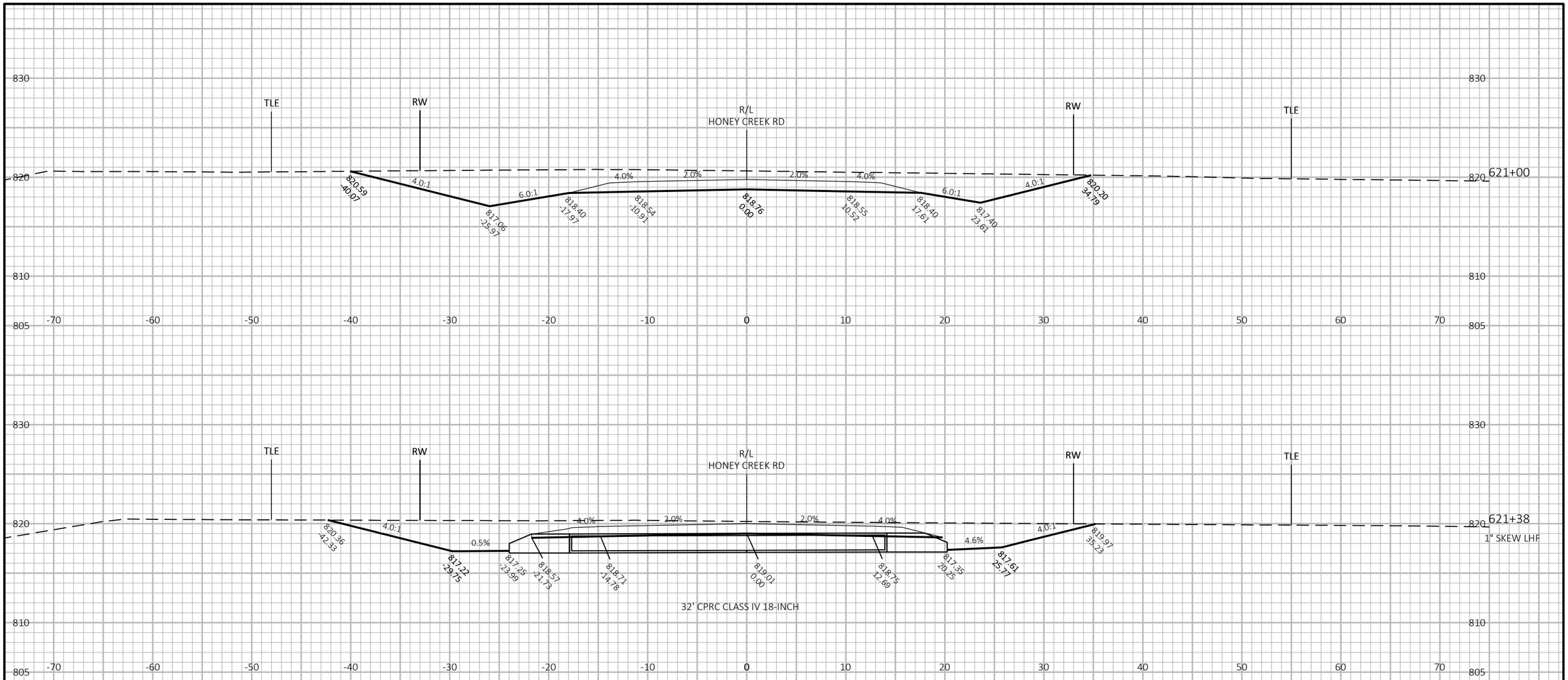
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 501	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 09-HnyCrkRd

PLOT DATE : 9/27/2022 2:42 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

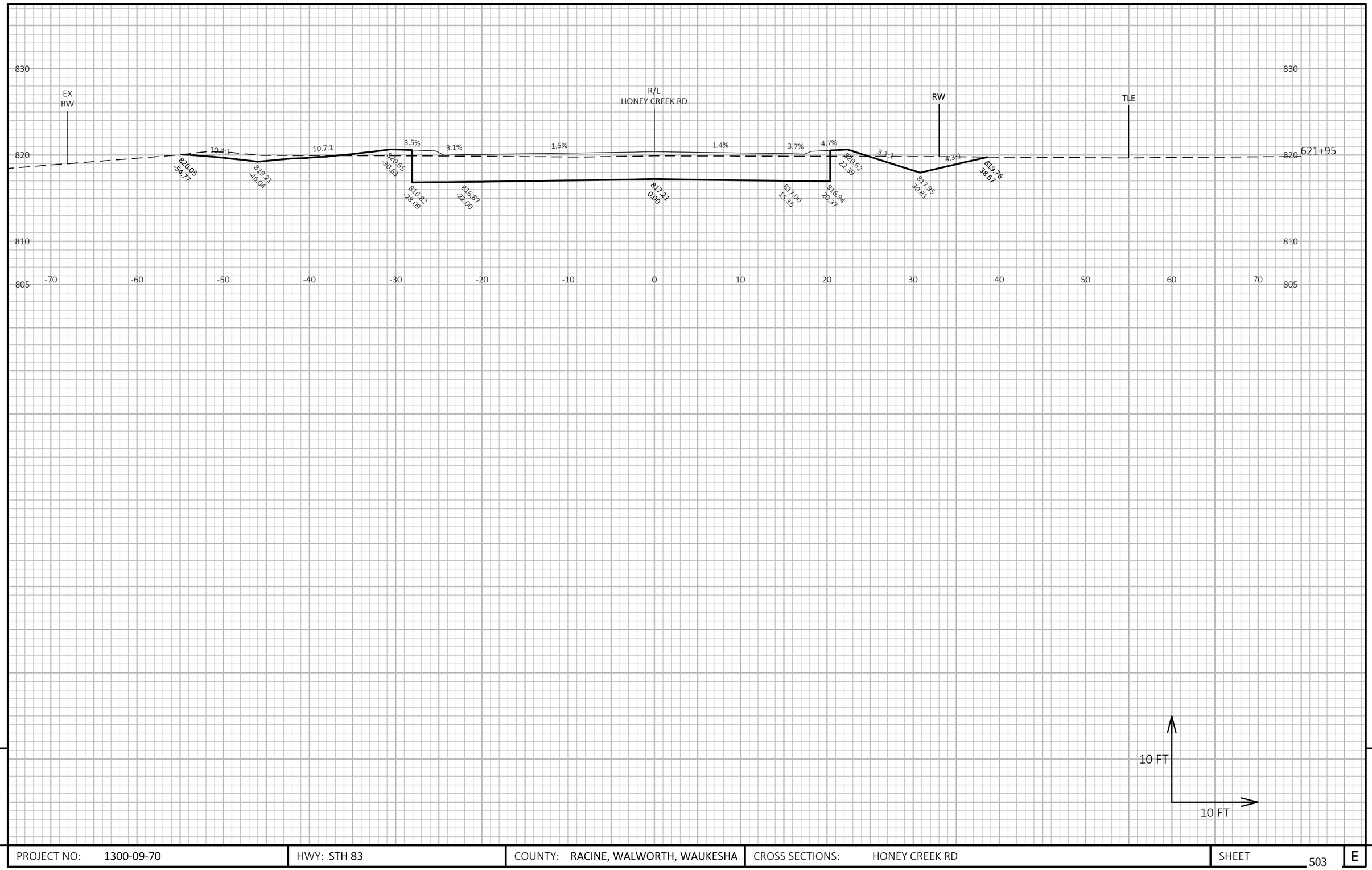


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 502	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 10-HnyCrkRd

PLOT DATE : 9/27/2022 2:42 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



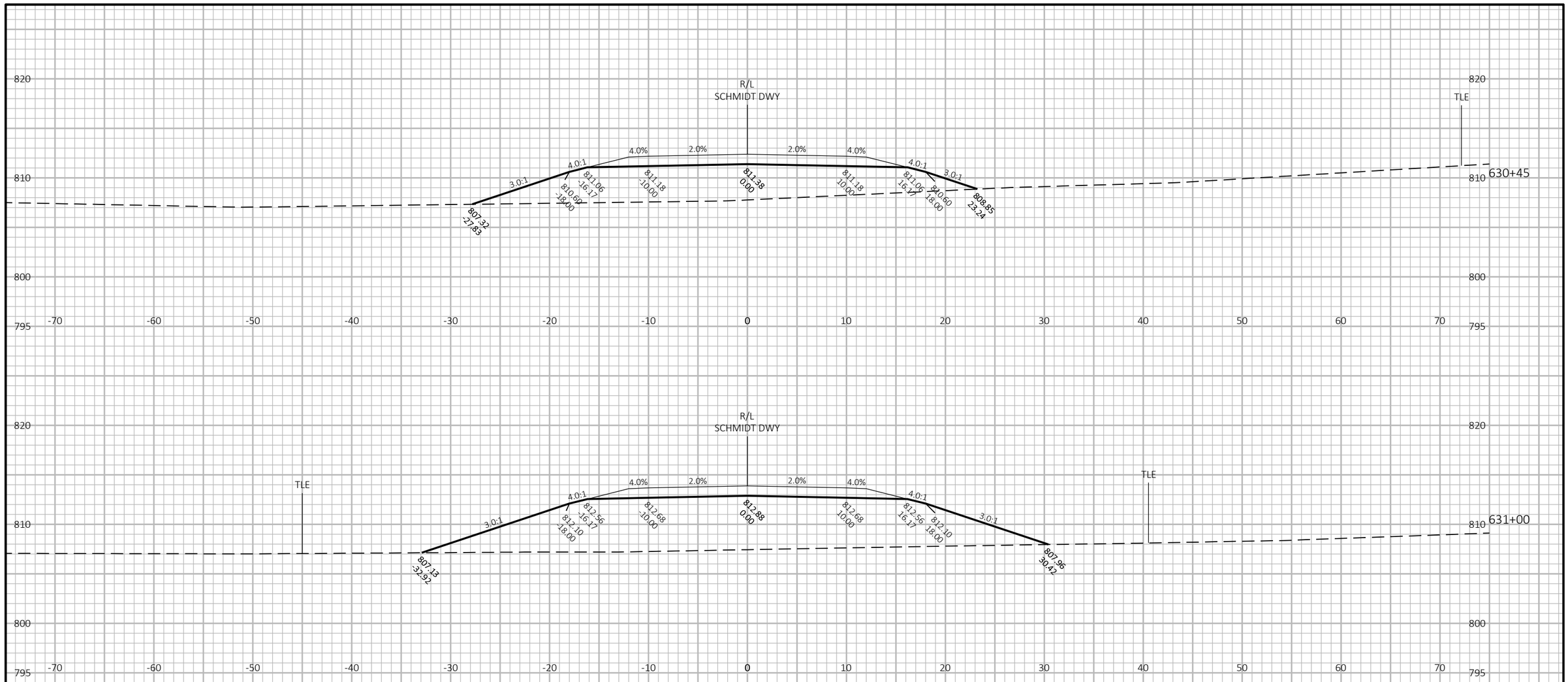
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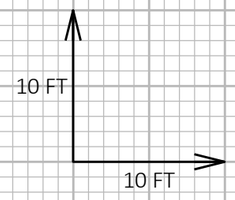
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: HONEY CREEK RD	SHEET 503	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090211-XS-HONEY CREEK RD.DWG
LAYOUT NAME - 11-HnyCrkRd

PLOT DATE : 9/27/2022 2:43 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.





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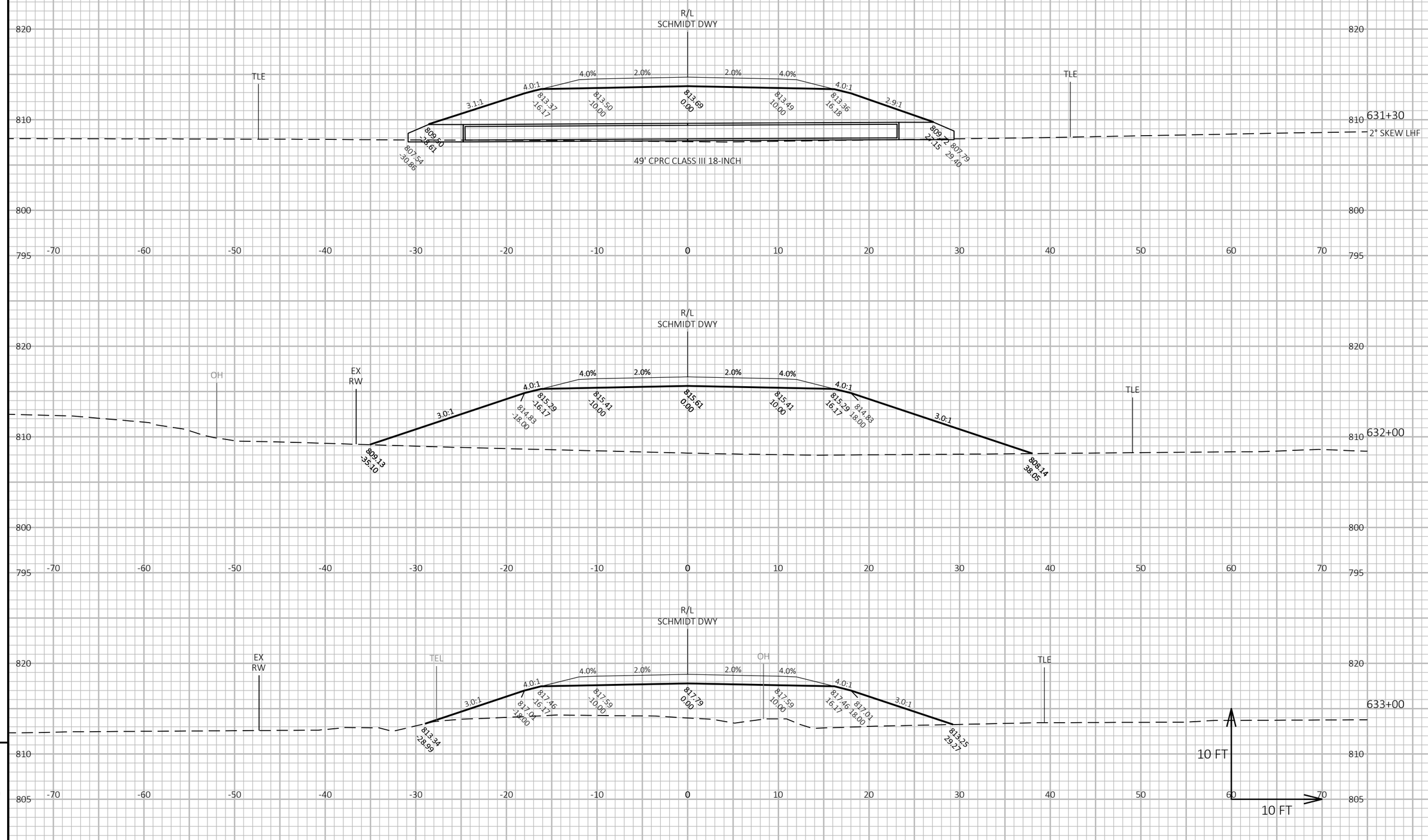
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: SCHMIDT DWY	SHEET 504	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090212-XS-SCHMIDT DWY.DWG
LAYOUT NAME - 01-SchmidtDwy

PLOT DATE : 9/27/2022 10:32 AM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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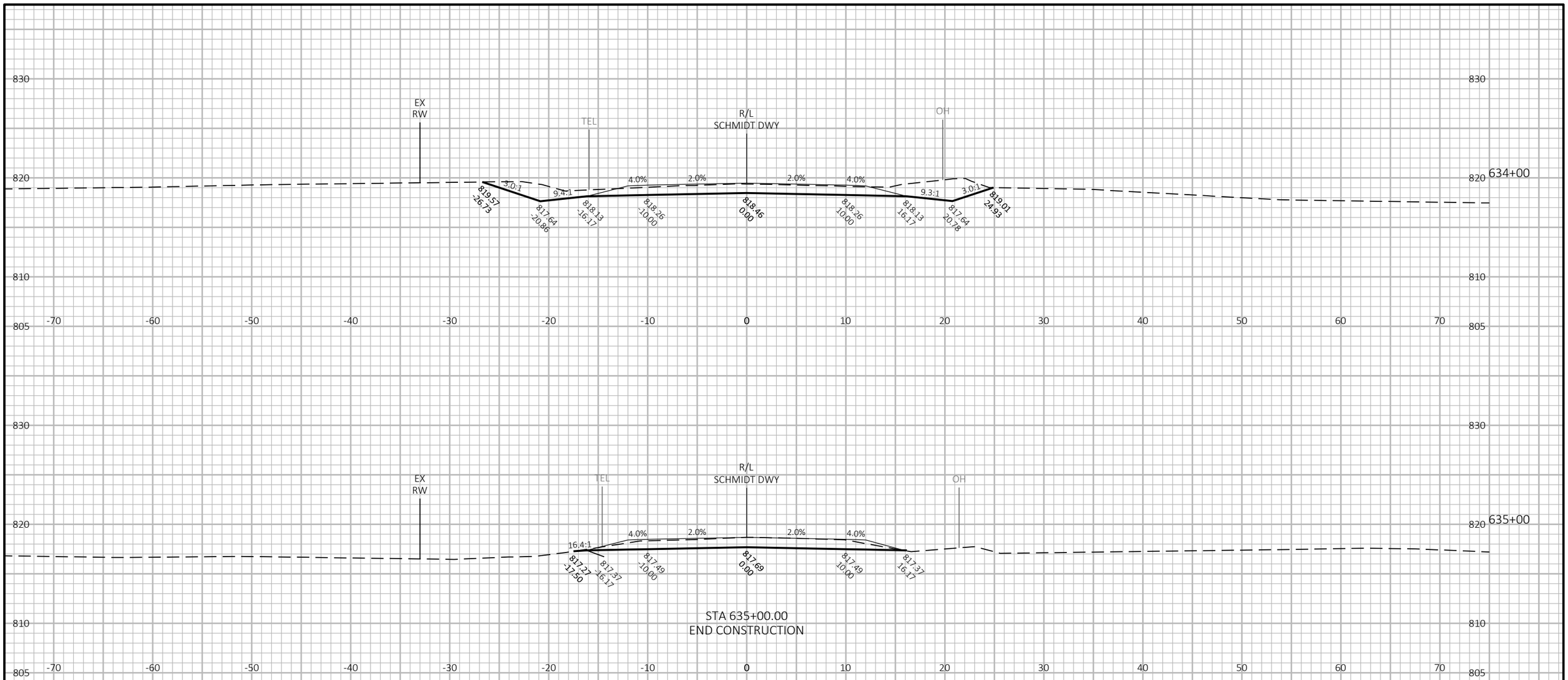
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: SCHMIDT DWY	SHEET 505	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090212-XS-SCHMIDT DWY.DWG
LAYOUT NAME - 02-SchmidtDwy

PLOT DATE : 9/27/2022 10:32 AM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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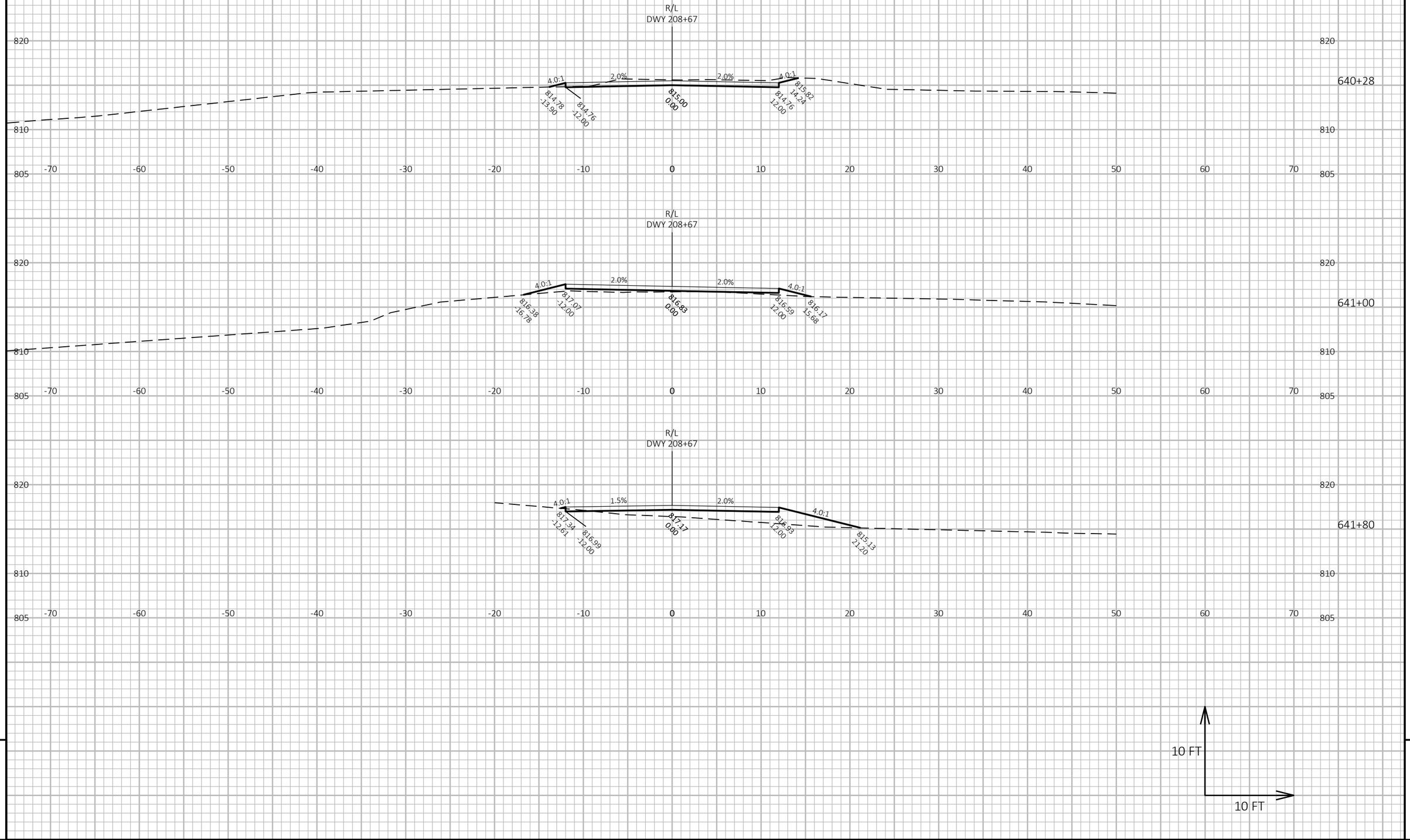
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: SCHMIDT DWY	SHEET 506	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090212-XS-SCHMIDT DWY.DWG
LAYOUT NAME - 03-SchmidtDwy

PLOT DATE : 9/27/2022 10:32 AM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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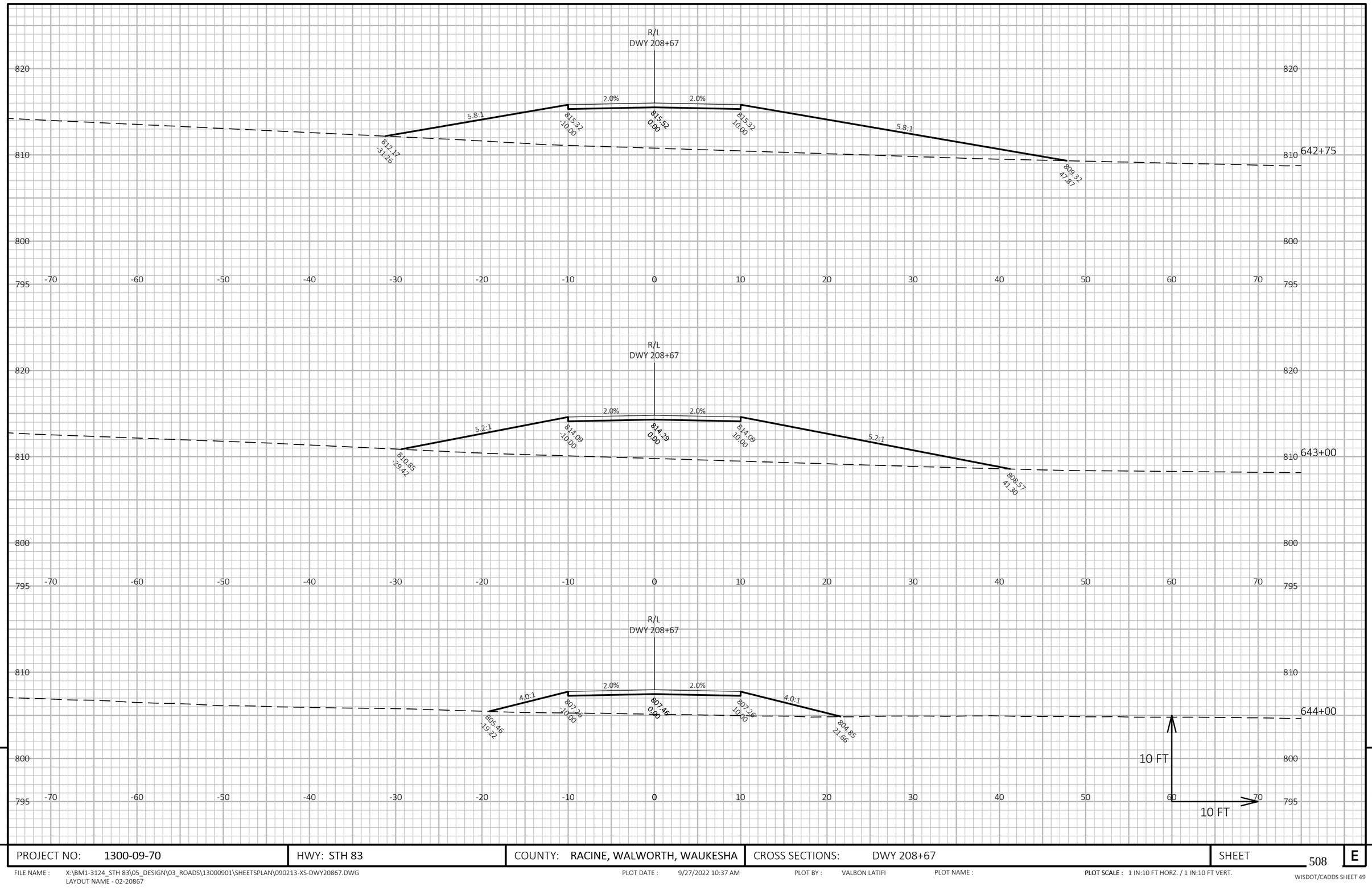
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: DWY 208+67	SHEET 507	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090213-XS-DWY20867.DWG
LAYOUT NAME - 01-20867

PLOT DATE : 9/27/2022 10:37 AM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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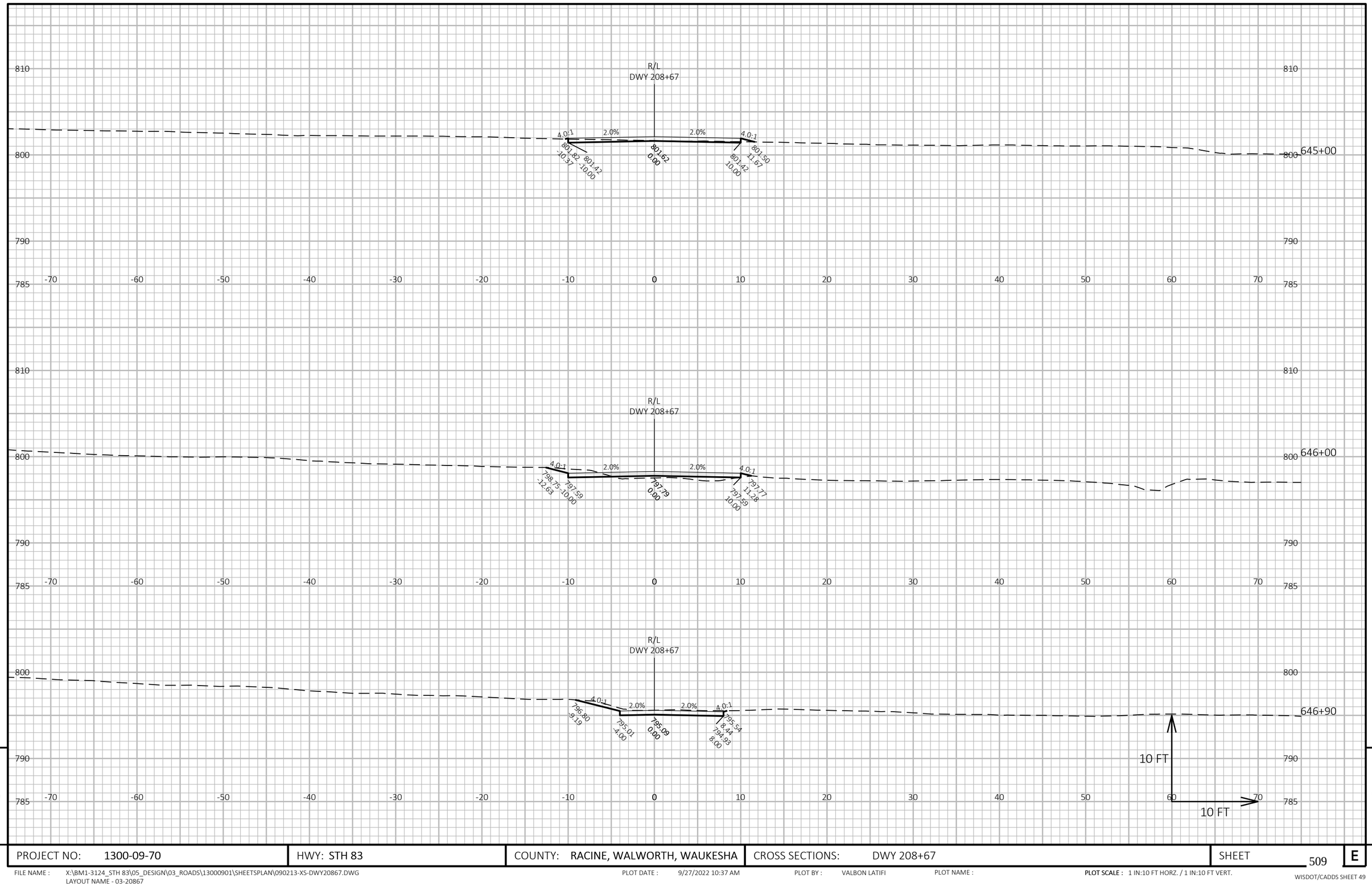
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FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090213-XS-DWY20867.DWG
LAYOUT NAME - 02-20867

PLOT DATE : 9/27/2022 10:37 AM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

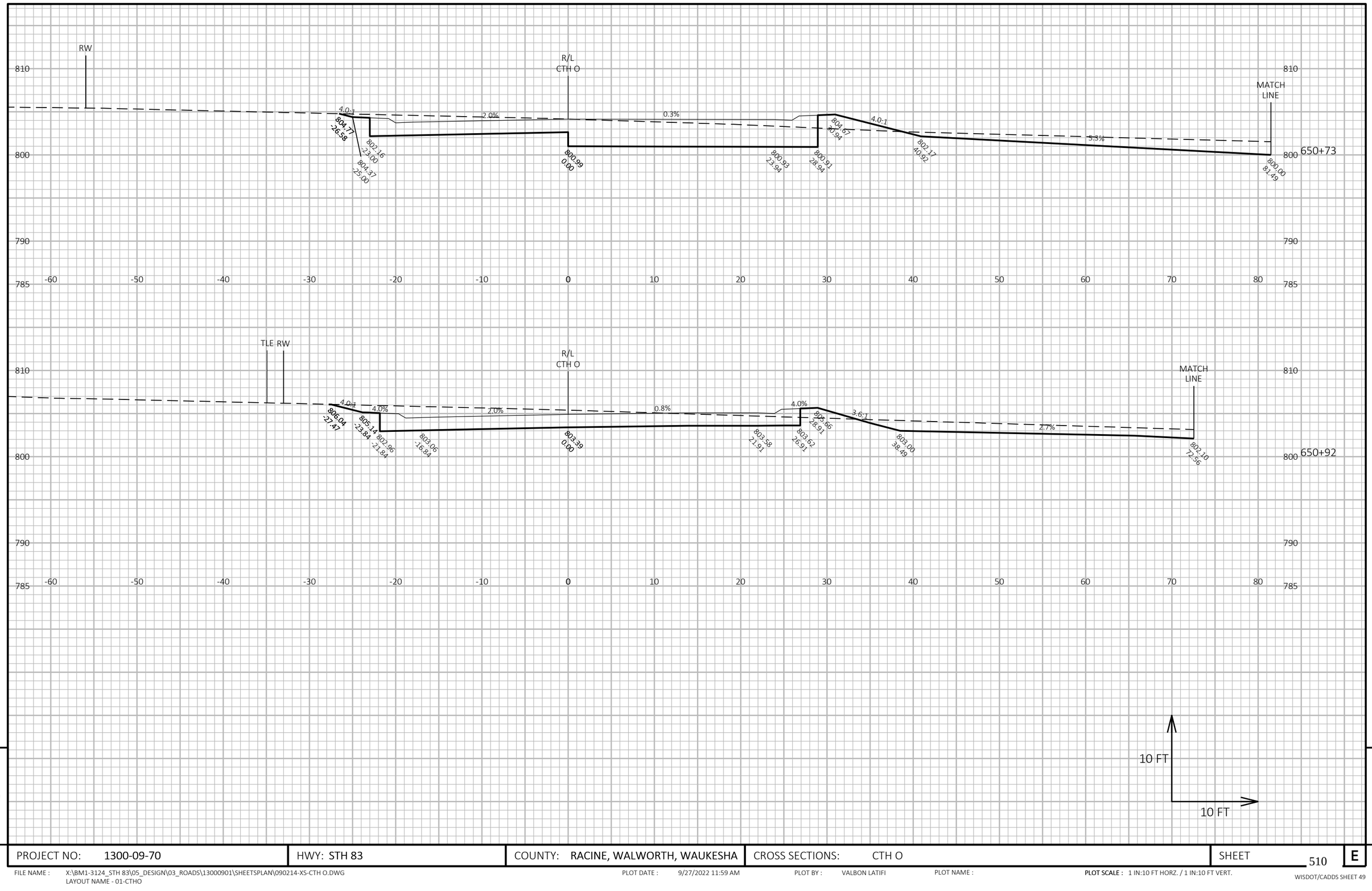


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: DWY 208+67	SHEET 509	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090213-XS-DWY20867.DWG
LAYOUT NAME - 03-20867

PLOT DATE : 9/27/2022 10:37 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

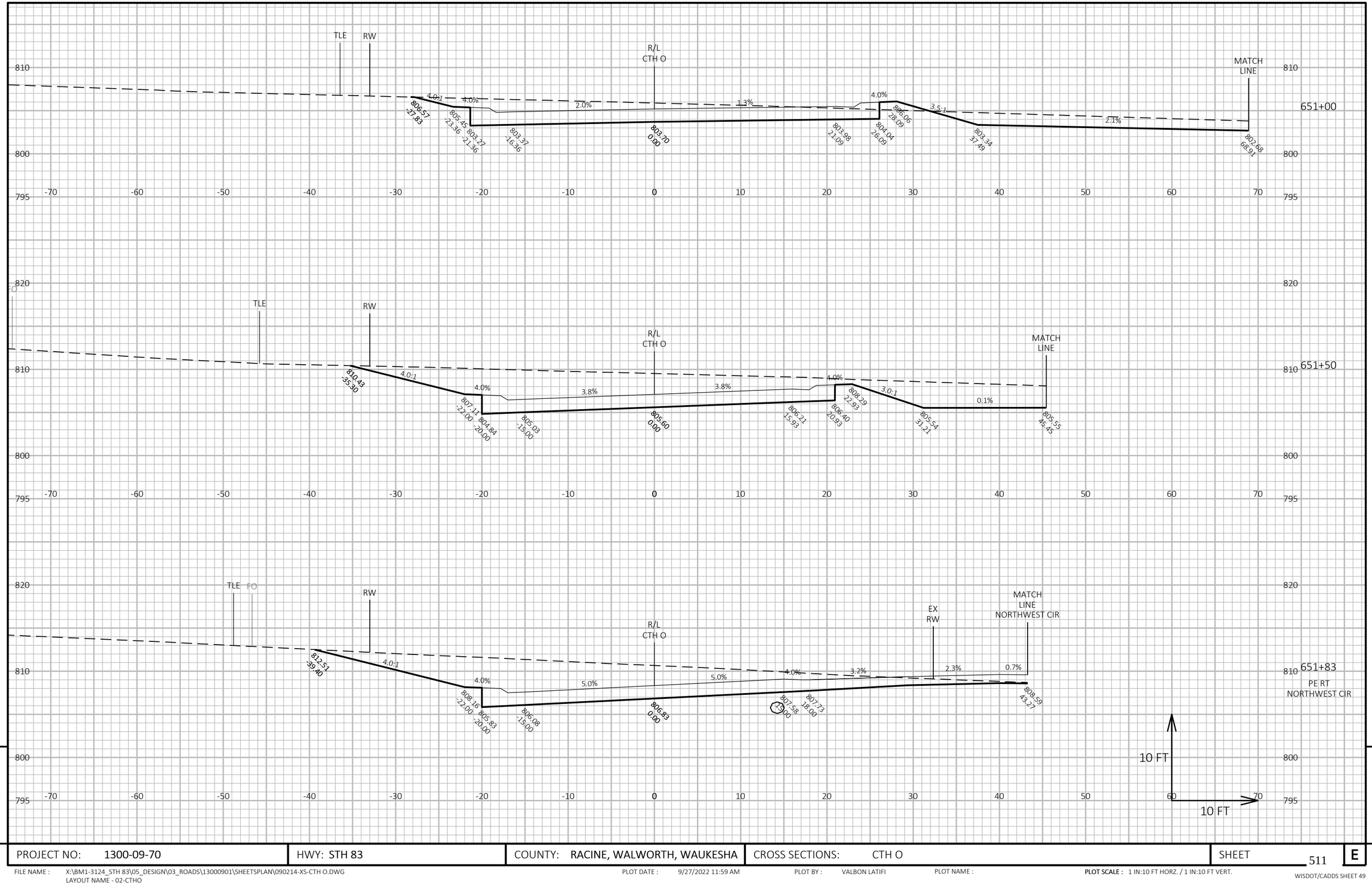


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: CTH O	SHEET 510	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090214-XS-CTH O.DWG
LAYOUT NAME - 01-CTHO

PLOT DATE : 9/27/2022 11:59 AM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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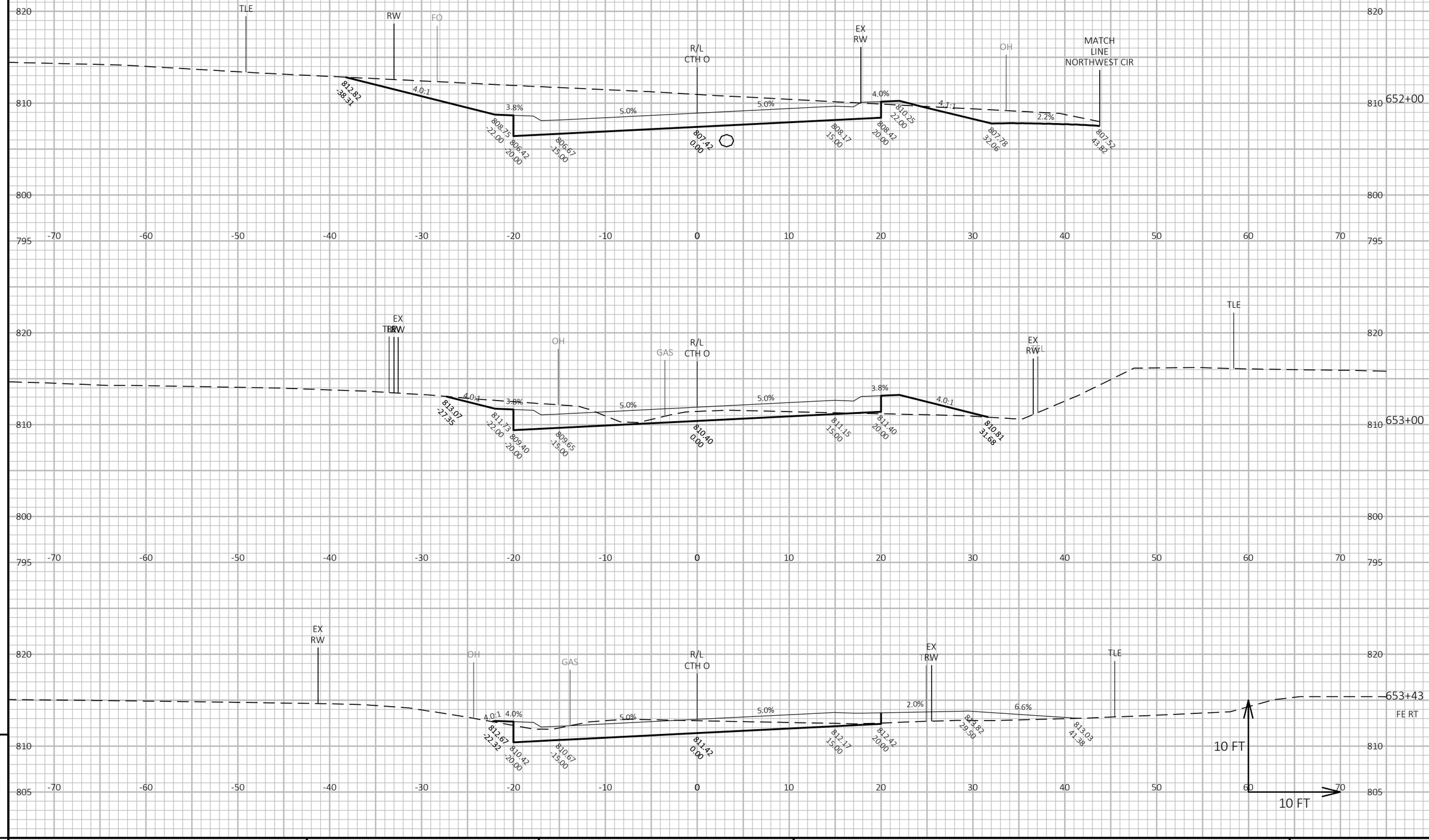
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: CTH O	SHEET 511	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090214-XS-CTH O.DWG
LAYOUT NAME - 02-CTHO

PLOT DATE : 9/27/2022 11:59 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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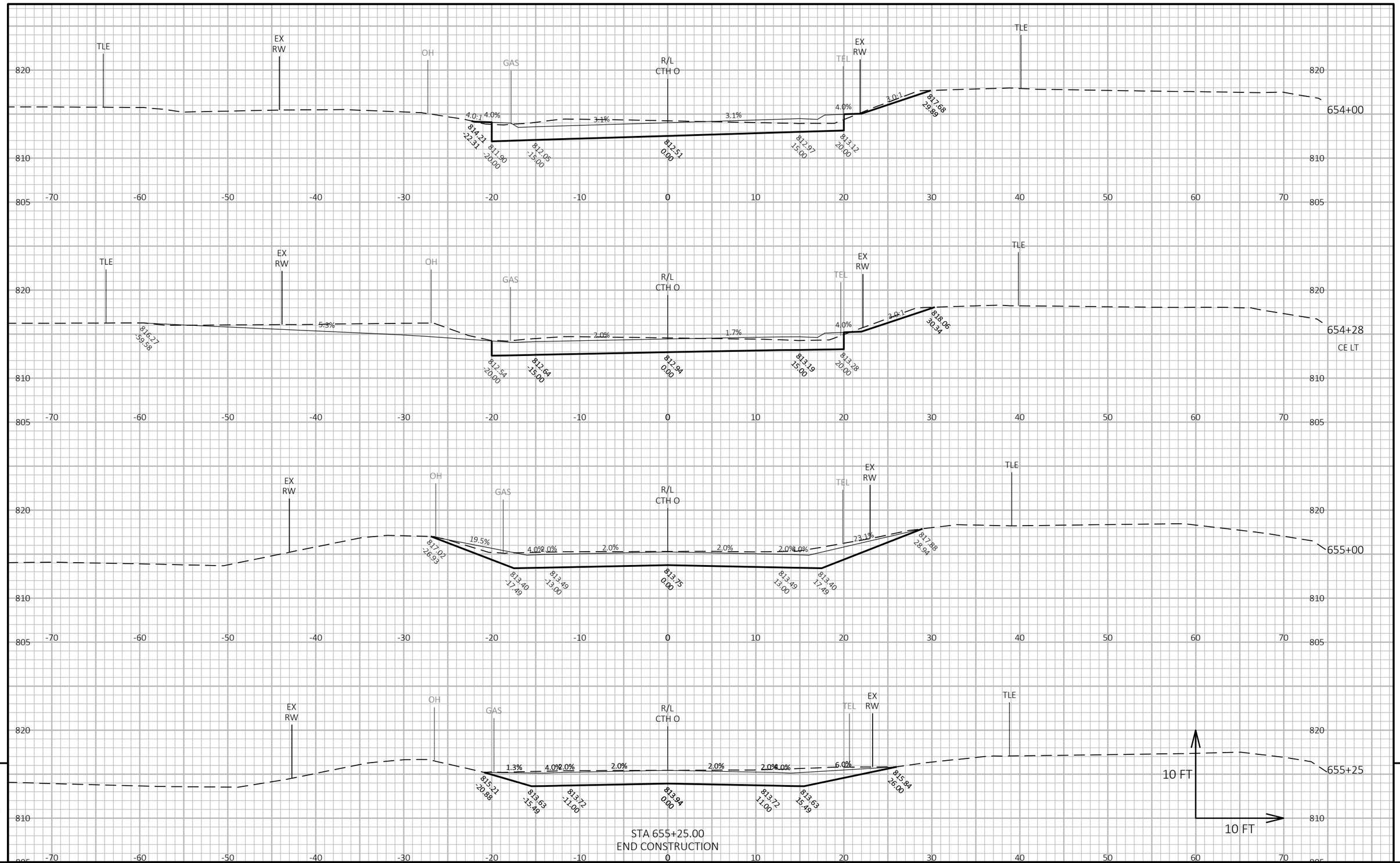
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: CTH O	SHEET 512	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090214-XS-CTH O.DWG
LAYOUT NAME - 03-CTHO

PLOT DATE : 9/27/2022 11:59 AM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

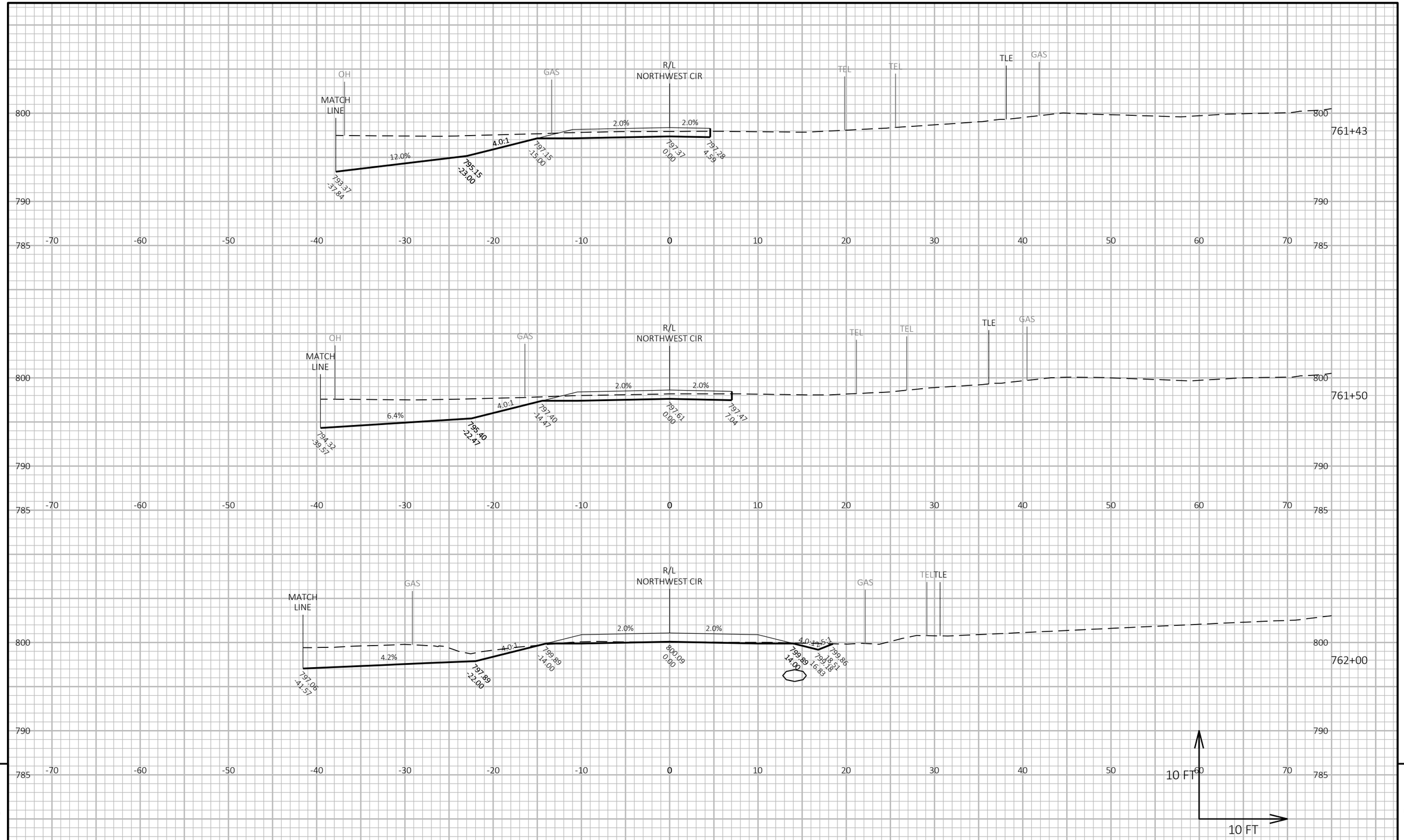
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: CTH O	SHEET 513	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090214-XS-CTH O.DWG
LAYOUT NAME - 04-CTHO

PLOT DATE : 10/18/2022 4:27 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

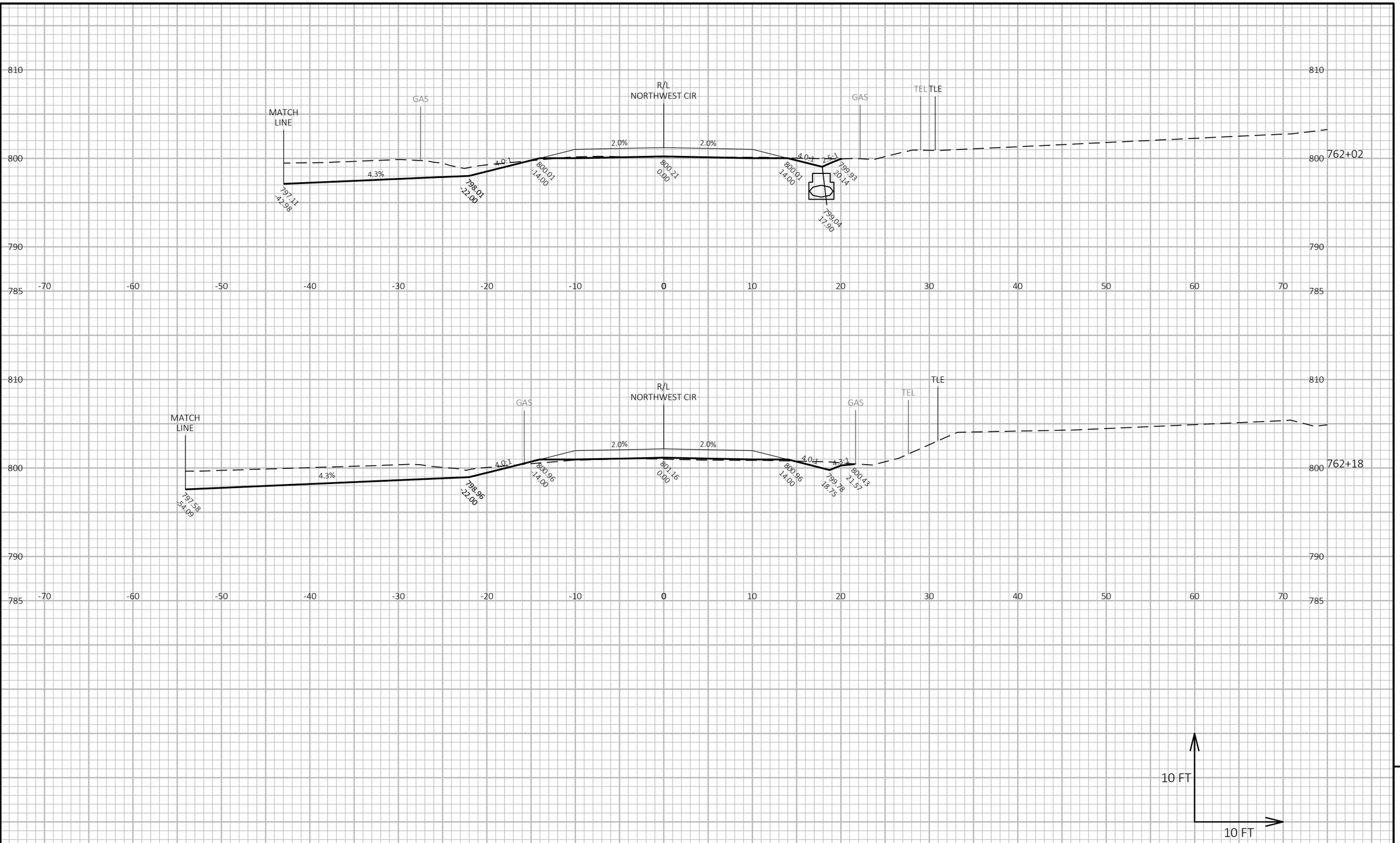


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: NORTHWEST CIR	SHEET 514	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090215-XS-NORTHWEST CIR.DWG
LAYOUT NAME - 01-NWCircle

PLOT DATE : 9/28/2022 1:48 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

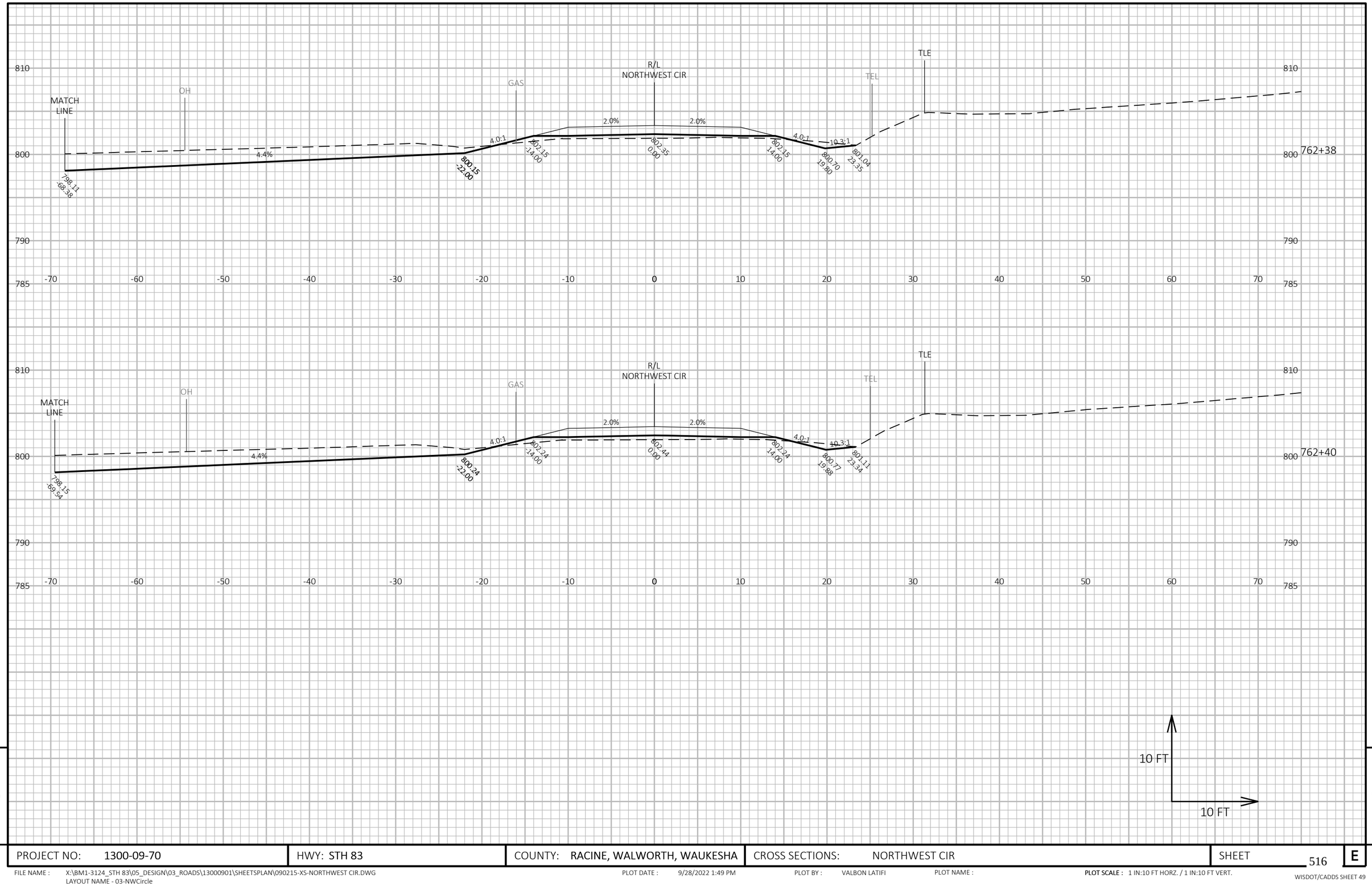


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: NORTHWEST CIR	SHEET 515	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090215-XS-NORTHWEST CIR.DWG
LAYOUT NAME - 02-NWCircle

PLOT DATE : 9/28/2022 1:49 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

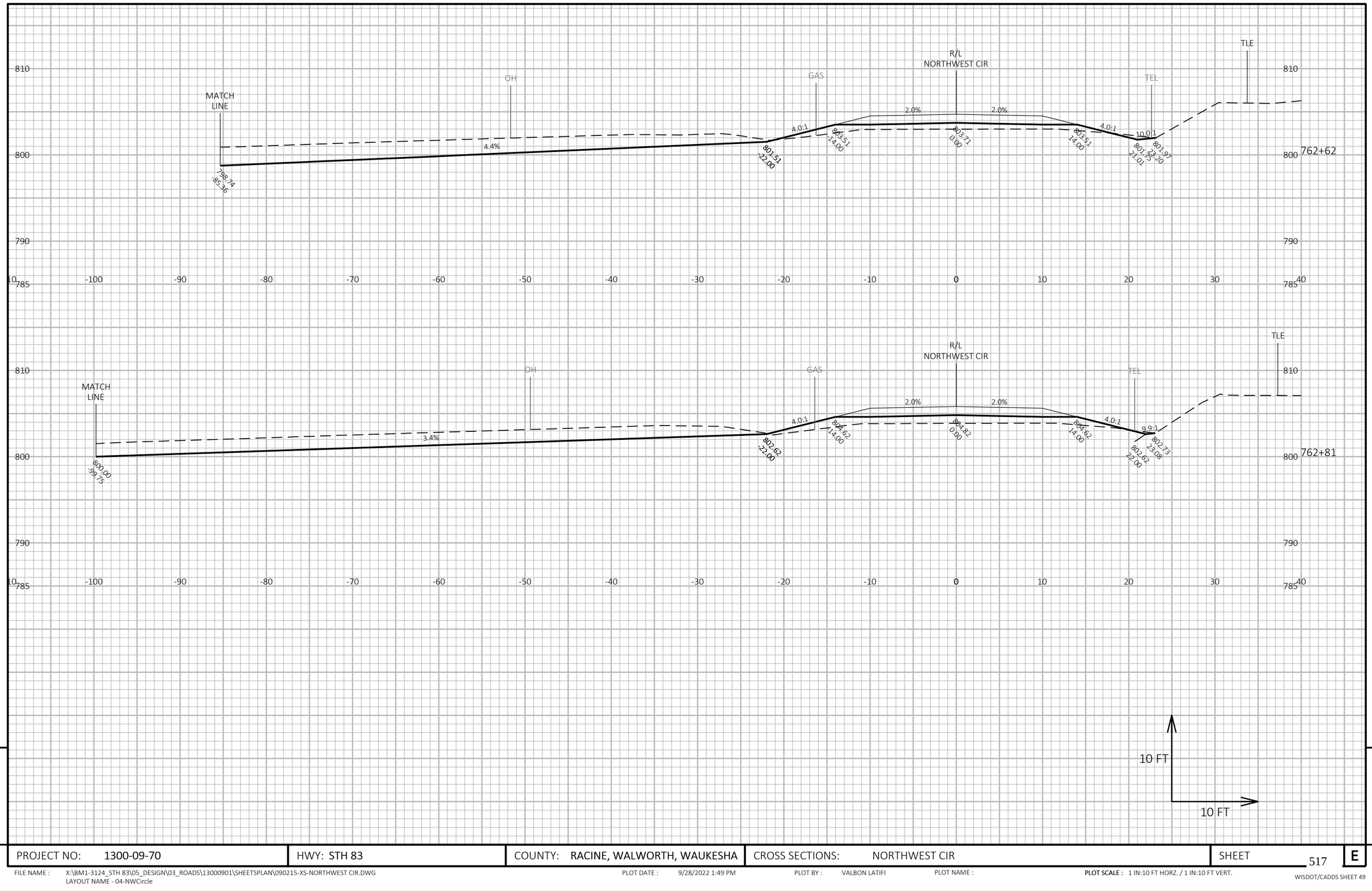
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PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: NORTHWEST CIR	SHEET 516	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090215-XS-NORTHWEST CIR.DWG
LAYOUT NAME - 03-NWCircle

PLOT DATE : 9/28/2022 1:49 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

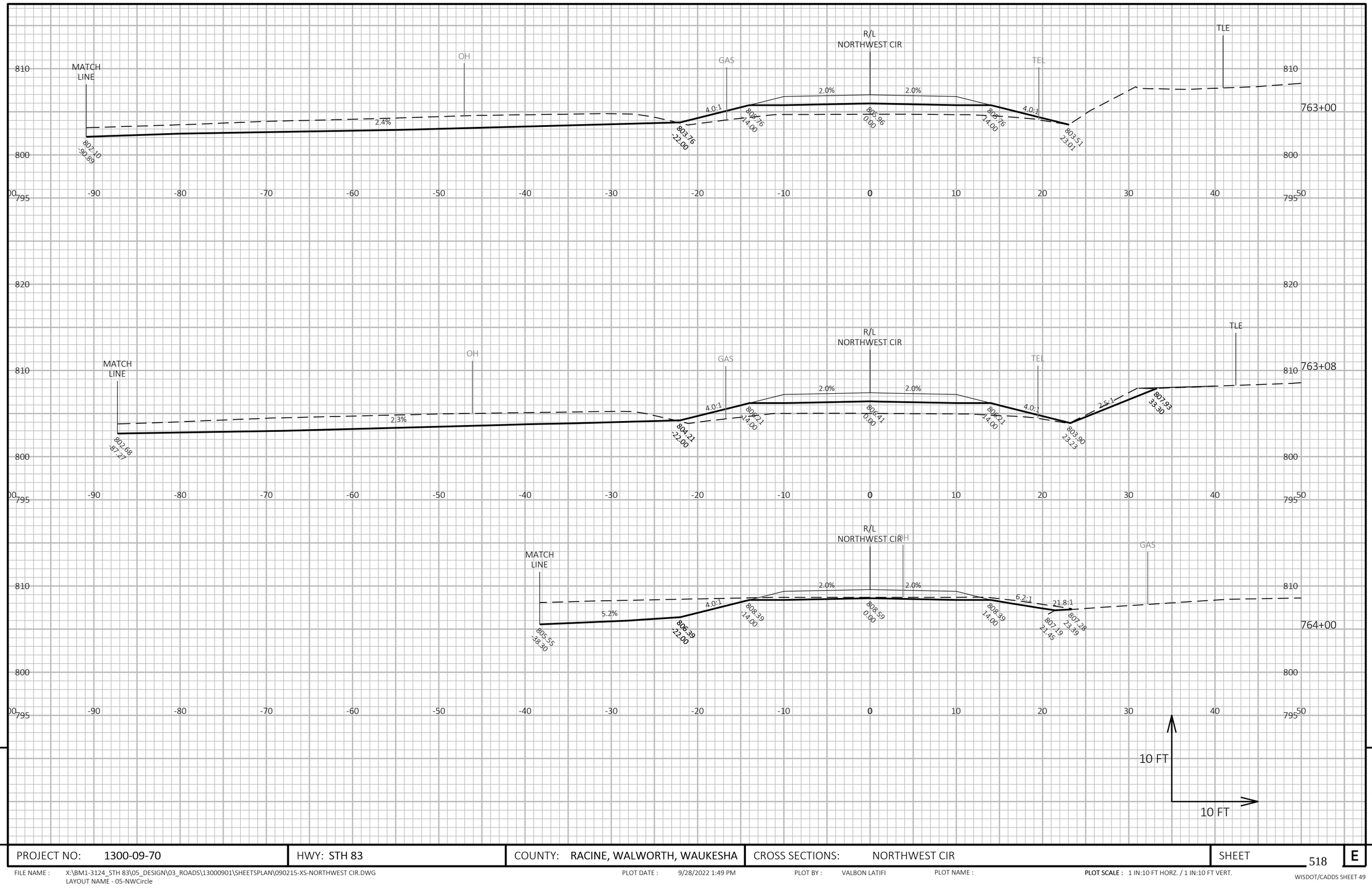


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: NORTHWEST CIR	SHEET 517	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090215-XS-NORTHWEST CIR.DWG
LAYOUT NAME - 04-NWCircle

PLOT DATE : 9/28/2022 1:49 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

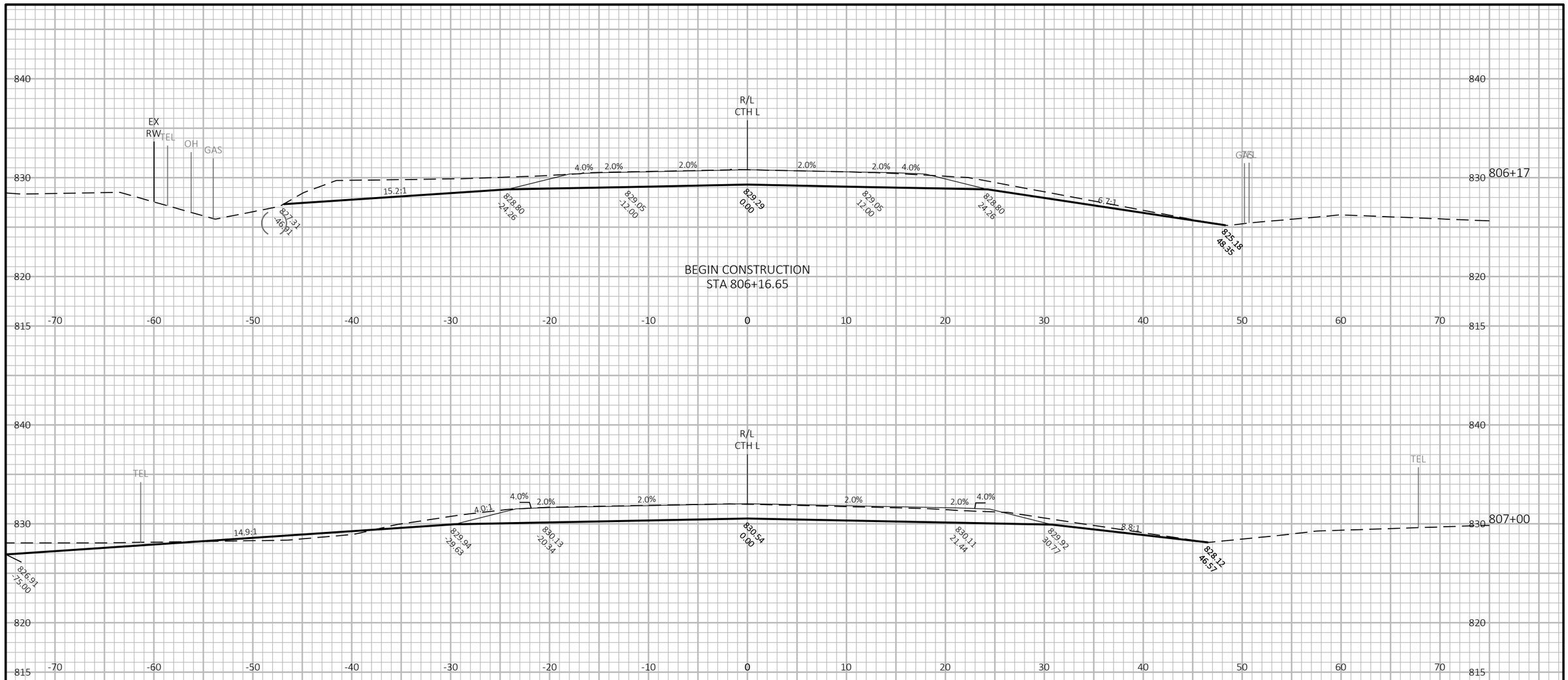


PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: NORTHWEST CIR	SHEET 518	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090215-XS-NORTHWEST CIR.DWG
LAYOUT NAME - 05-NWCircle

PLOT DATE : 9/28/2022 1:49 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



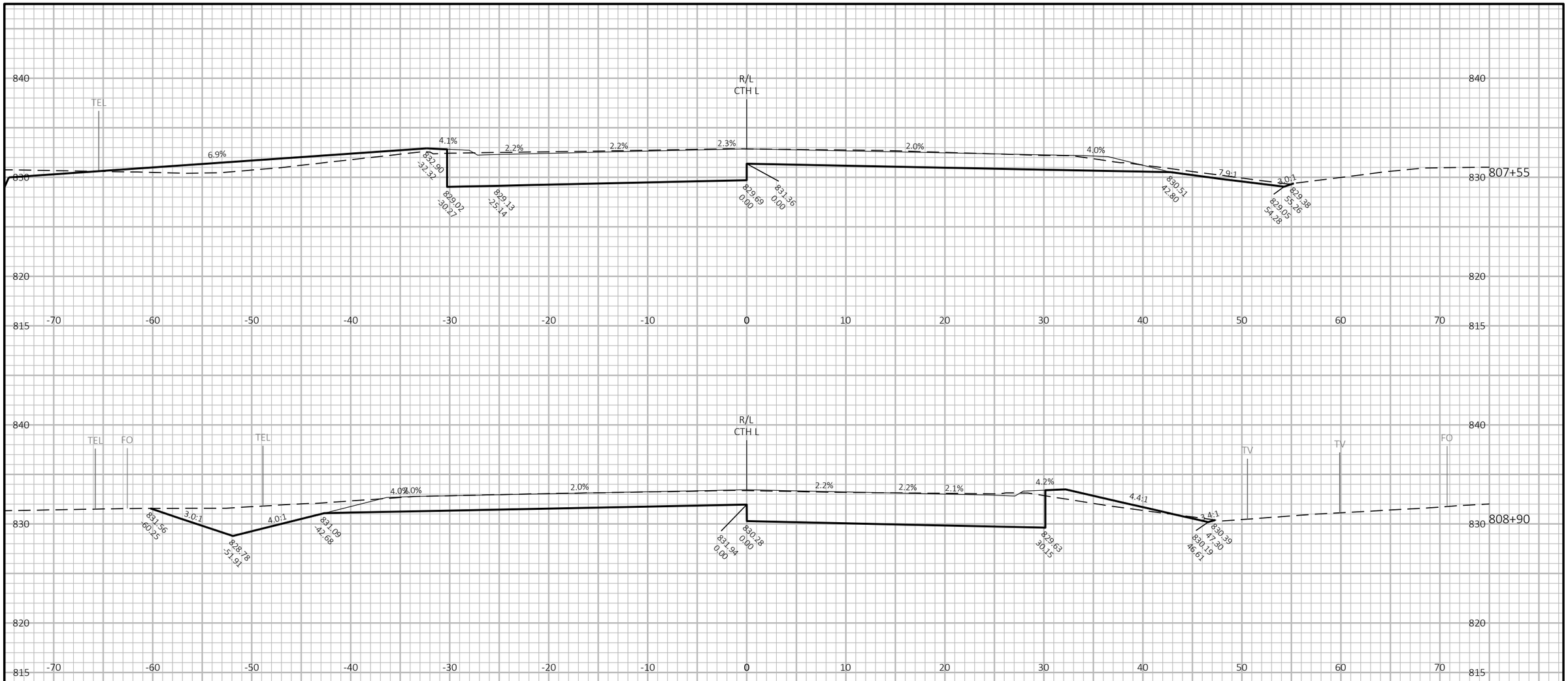
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: CTH L	SHEET 519	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090216-XS-CTH L.DWG
LAYOUT NAME - 01-CTHL

PLOT DATE : 9/27/2022 12:02 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

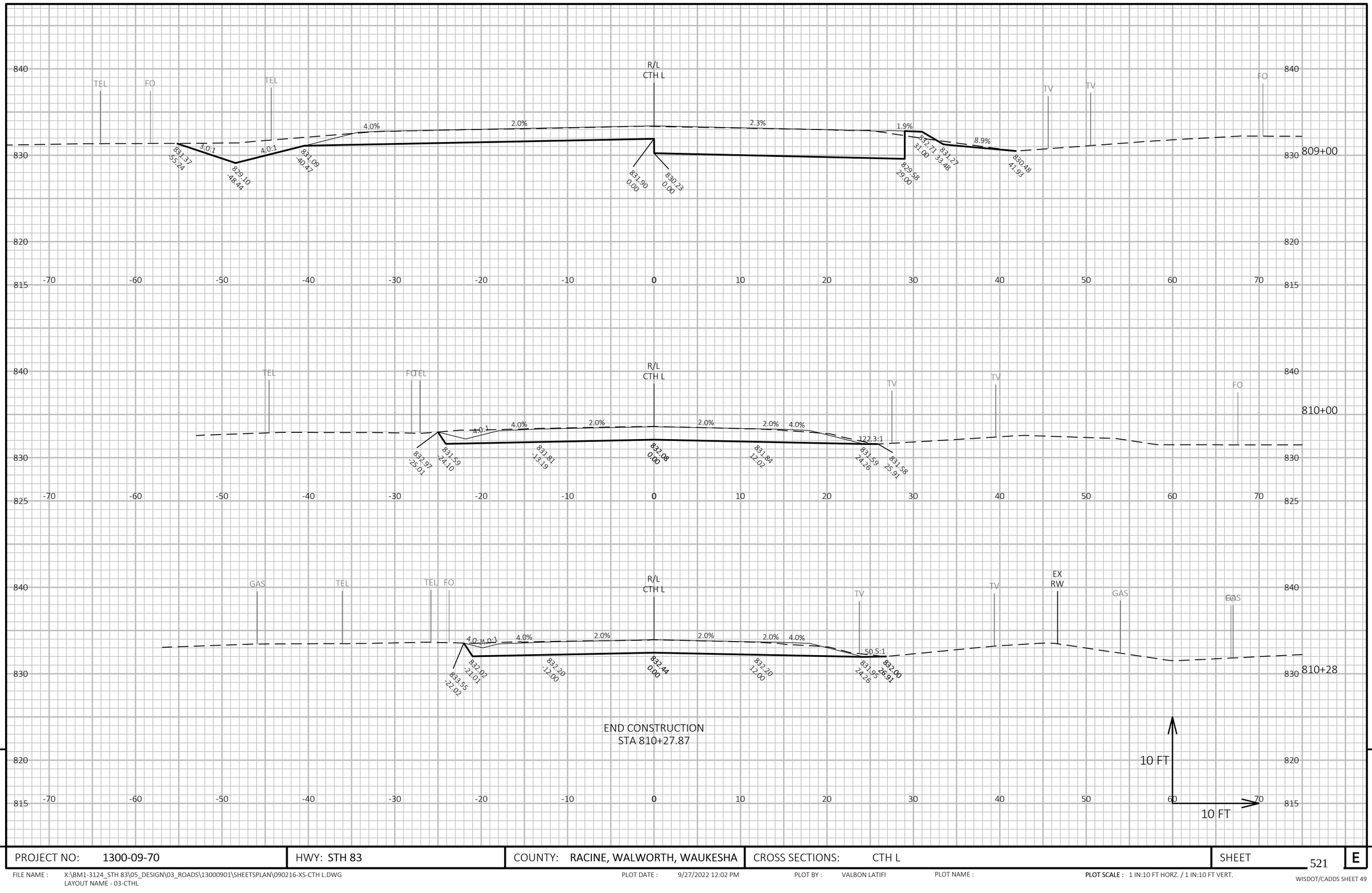
PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: CTH L	SHEET 520	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090216-XS-CTH L.DWG
LAYOUT NAME - 02-CTHL

PLOT DATE : 9/27/2022 12:02 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1300-09-70	HWY: STH 83	COUNTY: RACINE, WALWORTH, WAUKESHA	CROSS SECTIONS: CTH L	SHEET 521	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000901\SHEETSPLAN\090216-XS-CTH L.DWG
LAYOUT NAME - 03-CTHL

PLOT DATE : 9/27/2022 12:02 PM PLOT BY : VALBON LATIFI PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

WKE

Jan 10, 2023

PROJECT ID: 1300-09-71

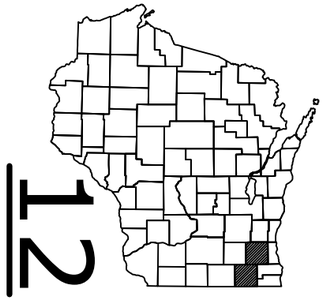
WITH: 1300-09-70

COUNTY: WALW. AND WAUK.

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 = 226



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

NORTHWEST HIGHWAY (STH 83)

W BOXHORN DR TO WOLF RUN

STH 83

WALWORTH & WAUKESHA COUNTIES

STATE PROJECT NUMBER
1300-09-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1300-09-71		

END PROJECT
STA 434+83.47

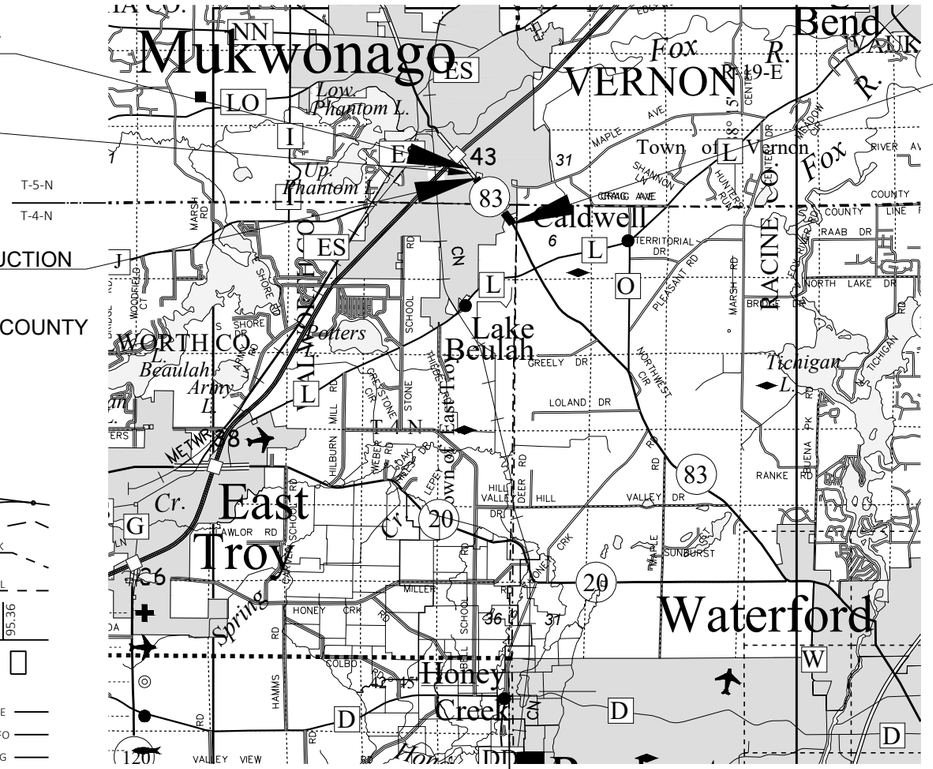
STRUCTURE S-67-981
STA 428+00

END CONSTRUCTION
STA 424+00.00

WALWORTH COUNTY

BEGIN PROJECT
STA 383+59.60
Y = 226,964.692
X = 499,210.115

WAUKESHA COUNTY



TOTAL NET LENGTH OF CENTERLINE = 0.970 MI. RURAL

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), RACINE COUNTY NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2007). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

DESIGN DESIGNATION

A.A.D.T.	2022	=	8,200
A.A.D.T.	2042	=	9,700
D.H.V.		=	538
D.D.		=	59/41
T.		=	15.0%
DESIGN SPEED		=	55 MPH (BEGIN - STA 414+00) 40 MPH (STA 414+00 - END)
ESALS		=	2,423,600

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

ORIGINAL PLANS PREPARED BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity

WISCONSIN
VALBON LATIFI
E-45819
CUDAHY, WI
PROFESSIONAL ENGINEER

DATE: 10/03/2022 (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	TERRATEC ENGINEERING, LLC
Designer	BLOOM COMPANIES, LLC
Project Manager	ROBERT BELLIN, P.E.
Regional Examiner	WISDOT SE REGION
Regional Supervisor	BENEDICT ERUCHALU

APPROVED FOR THE DEPARTMENT

DATE: 10/1/2022 Robert A. Bellin (Signature)

E

GENERAL NOTES

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

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER. INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

EROSION CONTROL MEASURES ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

INLET PROTECTION SHALL BE PLACED AT ALL INLET LOCATIONS ACCEPTING STORM WATER FROM THE PROJECT AREA OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE DRIVING LANES AND SHOULDERS, ARE TO BE COVERED WITH SALVAGED TOPSOIL, SEED, FERTILIZER, AND MULCH / EROSION MAT. ALL SALVAGED TOPSOIL AREAS SHOULD USE 4 INCH TYPICAL DEPTH.

DO NOT USE FERTILIZER IN AREAS WITHIN 10 FEET OF WETLANDS.

TOPSOIL GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH / EROSION MAT TOPSOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN SEVEN CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED OR ANY DISTURBED AREAS ARE LEFT EXPOSED FOR MORE THAN FOURTEEN CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH WITHIN 5 DAYS.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS, OR WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH WITHIN 5 DAYS.

STATIONS, OFFSETS, AND ELEVATIONS ARE TO THE END OF PIPE. FIELD VERIFY PIPE LOCATIONS AND ELEVATIONS PRIOR TO INSTALLATION.

NO ADDITIONAL MEASUREMENT OR PAYMENT SHALL BE MADE FOR EXCAVATION OR ASPHALTIC SURFACE REMOVAL AT DRIVEWAYS. EXCAVATION COMMON WILL BE MEASURED AND PAID BASED ON AVERAGE CROSS SECTION END AREAS AT THE EVEN STATIONS SHOWN IN THE PLANS AND EARTHWORK TABLES.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

ALL RADII ARE MEASURED TO THE FLANGE LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.

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

ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING GRADATIONS, TRAFFIC, BINDER, AND DESIGNATIONS:

TOTAL PAVEMENT LAYER THICKNESS	LAYERS	NOMINAL MAXIMUM AGGREGATE GRADATION	TRAFFIC	ASPHALT BINDER	BINDER DESIGNATION LEVEL
6"	2" UPPER	4	MT	58-28	S
	4" LOWER	3	MT	58-28	S

UTILITY CONTACTS

CENTURYLINK
(COMMUNICATION LINE)
THOMAS DINEEN
19 W FOND DU LAC ST
RIPON, WI 54971
OFFICE: (920) 748-2752
CELL: (920) 246-7752
thomas.dineen@lumen.com

LEVEL 3 COMMUNICATIONS
(COMMUNICATION LINE)
JASON BUSSE
3235 INTERTECH DR, STE 600
BROOKFIELD, WI 53045
OFFICE: (414) 224-6713
CELL: (715) 415-3214
jason.busse@lumen.com

PAETEC COMMUNICATION, LLC.
(COMMUINICATION LINE)
LORI KETTER
314 N DANZ AVE
OSHKOSH, WI 54332
(262) 274-9215
lori.ketter@windstream.com

SPECTRUM
(COMMUNICATION LINE)
BEAU ABUYA
1320 N MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
(414) 908-1343
wis.engineering@charter.com

TOWN OF MUKWONAGO
(STORM WATER UTILITY)
RICK PETERSON
W320 S8315 BEULAH RD
MUKWONAGO, WI 53149
OFFICE: (262) 363-4555
CELL: (262) 470-5582
rpeterson@townofmukwonago.us

VILLAGE OF MUKWONAGO
(STORM WATER UTILITY)
RON BITTNER
440 RIVER CREST CT
PO BOX 206
MUKWONAGO, WI 53149
(262) 363-6447
rbittner@villageofmukwonago.gov

VILLAGE OF MUKWONAGO
(SEWER AND WATER)
WAYNE CASTLE
440 RIVER CREST CT
MUKWONAGO, WI 53149
OFFICE: (262) 363-6416
CELL: (262) 441-1366
wcastle@villageofmukwonago.gov

WE ENERGIES
(ELECTRIC)
DAN BANDOR
7815 NORTHWESTERN AVE
RACINE, WI 53406
OFFICE: (262) 884-6718
CELL: (414) 254-1865
daniel.bandor@we-energies.com

ELECTRIC 24 HOUR EMERGENCY SERVICE:
1-800-662-4797

WE ENERGIES
(GAS/PETROLEUM)
JACOB SPENCER
S13 W33800 STH 18
DELAFIELD, WI 53018
OFFICE: (262) 968-7009
CELL: (414) 507-2021
jacob.spencer@we-energies.com

GAS 24 HOUR EMERGENCY SERVICE:
1-800-261-5325

WISCONSIN DEPARTMENT OF TRANSPORTATION
(WISCONSIN SIGNAL)
WISDOT SIGNALS
141 NW BARSTOW RD
WAUKESHA, WI 53187
(414) 450-2605

WISDOT ELECTRICAL FIELD UNIT
935 S 60TH ST
WEST ALLIS, WI 53214
(262) 266-1170

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

OTHER CONTACTS

MUKWONAGO WASTEWATER TREATMENT PLANT
DAVE BROWN
1200 HOLZ PKWY
PO BOX 206
MUKWONAGO, WI 53149
(262) 363-6416

WALWORTH COUNTY DPW
RICHARD HOUGH
W4097 COUNTY ROAD NN
ELKHORN, WI 53121
(262) 741-3114
rhough@co.walworth.wi.us

WATERFORD SANITARY DISTRICT #1
EUGENE WEIHART
415 N MILWAUKEE ST
WATERFORD, WI 53185
(262) 534-4646
wsd@tds.net

WAUKESHA COUNTY DPW
ALLISON BUSSLER
1320 PEWAUKEE RD
WAUKESHA, WI 53188
(262) 548-7740
abussler@waukeshacounty.gov

DESIGN CONTACTS

WISDOT REGION CONTACT
ROBERT BELLIN
WISDOT SOUTHEAST REGION
WAUKESHA OFFICE
141 NW BARSTOW RD
WAUKESHA, WI 53187
(262) 521-4405
robert.bellin@dot.wi.gov

BLOOM COMPANIES, LLC
VALBON LATIFI
10501 W RESEARCH DR, STE 100
MILWAUKEE, WI 53226
OFFICE: (414) 292-4558
CELL: (414) 839-1646
FAX: (414) 771-4490
vlatifi@bloomcos.com

DNR LIAISON

WISCONSIN DNR
CRAIG WEBSTER
141 NW BARSTOW ST, RM 180
WAUKESHA, WI 53188
OFFICE: (262) 574-2141
CELL: (414) 303-3011
craig.webster@wi.gov

STANDARD ABBREVIATIONS

AECPS	APRON ENDWALLS FOR CULVERT PIPE STEEL
AECPRC	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE
AECPRCHE	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CMCP	CORRUGATED METAL CULVERT PIPE
MGAL	MEGAGALLON
MPH	MILES PER HOUR
NOR	NORMAL
OD	OUTER DIAMETER

ORDER OF SECTION 2 DETAIL SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
PLAN DETAILS
CURB RAMP DETAILS
REMOVAL PLANS
EROSION CONTROL
STORM SEWER
TRAFFIC SIGNAL REMOVAL
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT
SURVEY CONTROL

2

N

WALWORTH COUNTY
WAUKESHA COUNTY

W BOXHORN DR
900
905
910
R/L W BOXHORN DR

BEGIN PROJECT 1300-09-70
STA 66+29.00

BEGIN PROJECT 1300-09-71
STA 383+59.60

W DEWEY DR
920
R/L W DEWEY DR

IH 43

BEAR PASS

WOLF RUN
930
R/L WOLF RUN

ARROWHEAD DR

S-67-981

C-67-37

385 390 395 400 405 410 415 420 425 430 435 440

STH 83

R/L STH 83

WETLAND BOUNDARY, TYP

END CONSTRUCTION 1300-09-71
END PROJECT 1300-09-70
STA 424+00.00

S-67-1432
S-67-1433
S-67-1434
S-67-1435

E WOLF RUN
947
R/L E WOLF RUN

END PROJECT 1300-09-71
STA 434+83.47

WALWORTH COUNTY
RACINE COUNTY

TOWN OF WATERFORD

RACINE COUNTY
WAUKESHA COUNTY

MAPLE AVE

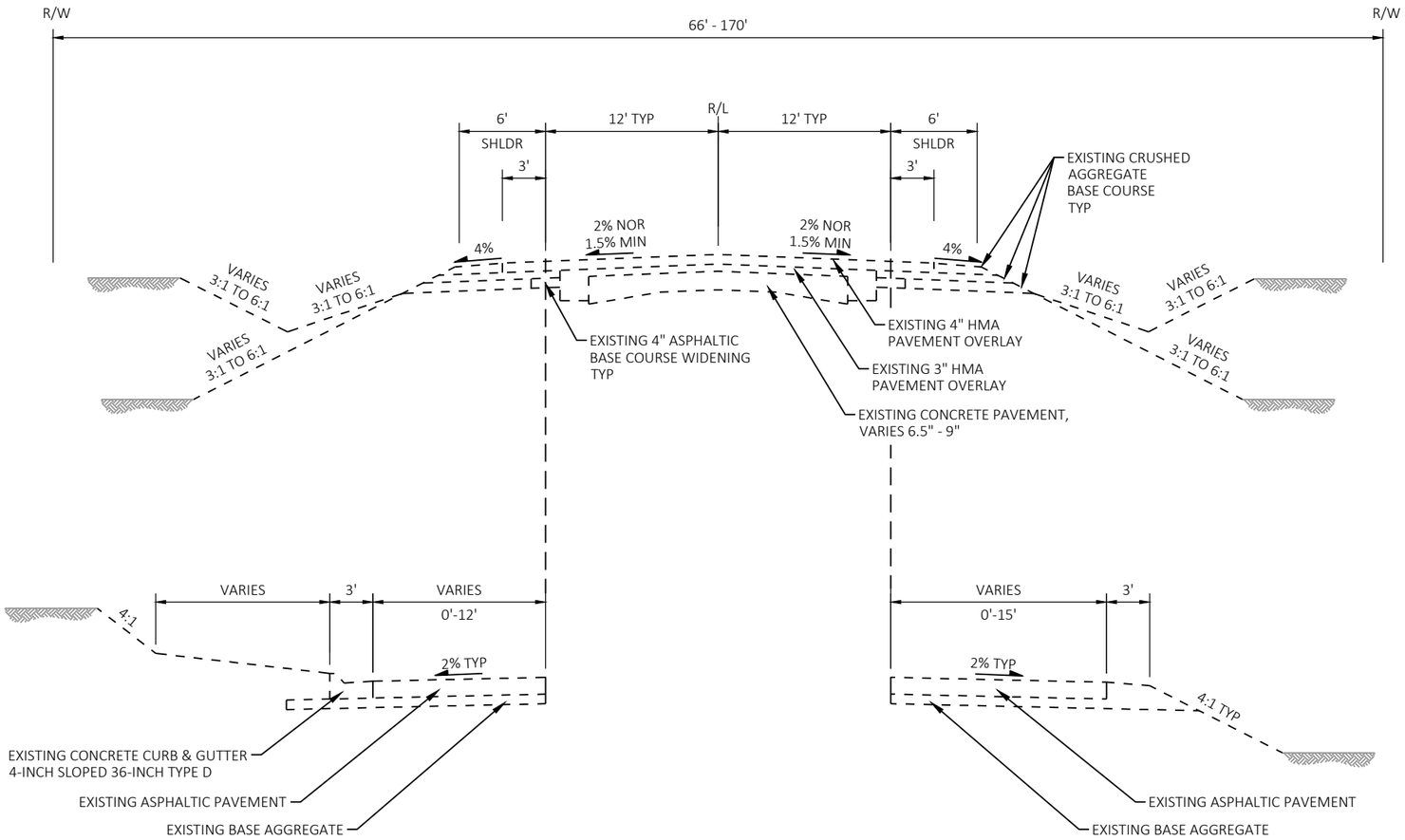
TRIBUTARY TO MUKWONAGO RIVER

VILLAGE OF MUKWONAGO

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 01-po_71

PLOT DATE : 10/2/2022 1:32 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:400 FT



STA 419+50 - STA 422+20 LT

STA 415+12 - STA 420+56 RT
(RIGHT IS MIRROR OF LEFT)

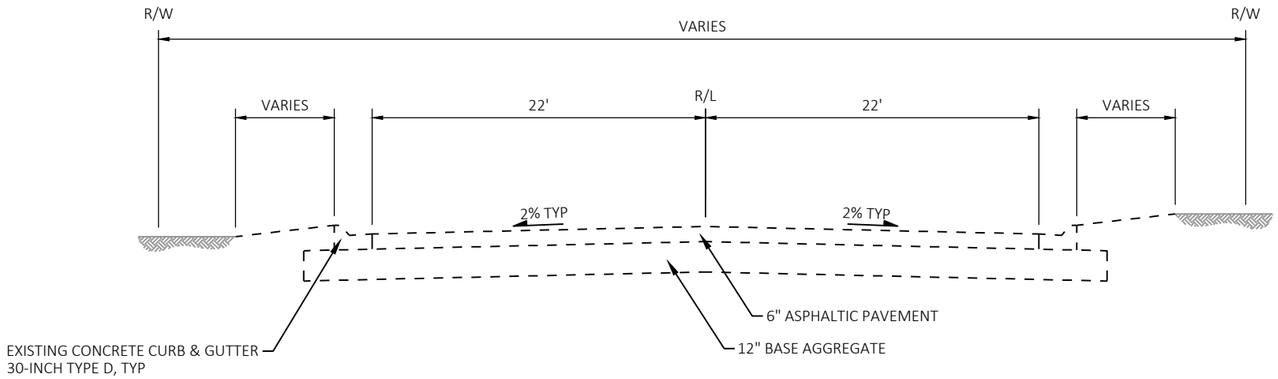
STA 392+41 - STA 401+01 RT

TYPICAL EXISTING SECTION

STH 83

STA 383+60 - STA 424+00

2

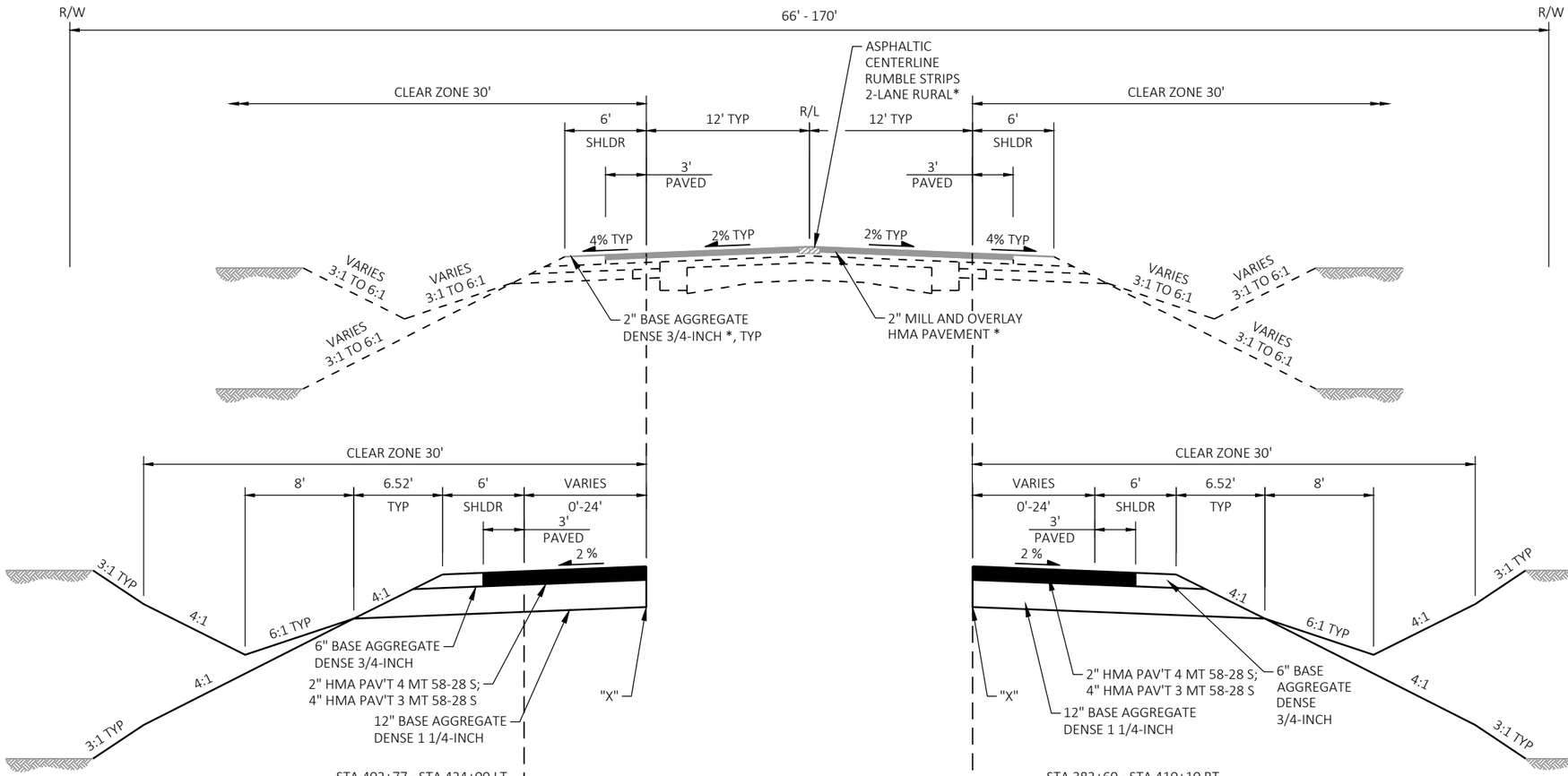


TYPICAL EXISTING SECTION

W DEWEY DR

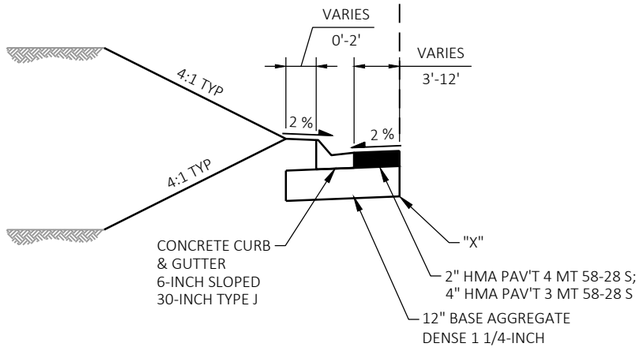
STA 921+75- STA 922+29

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	EXISTING TYPICAL SECTIONS	SHEET 5	E

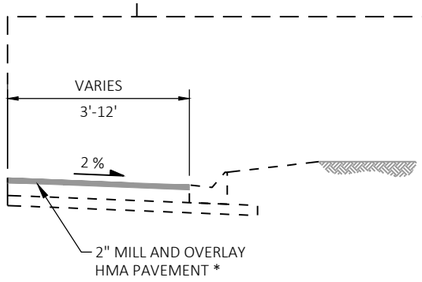


STA 402+77 - STA 424+00 LT

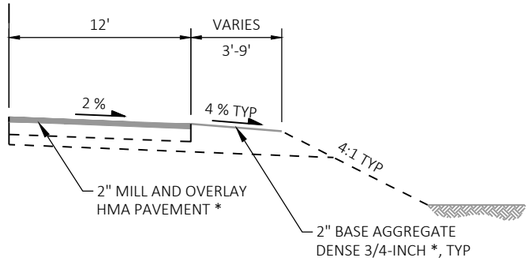
STA 383+60 - STA 410+10 RT



STA 408+49 - STA 418+09 LT
STA 419+64 - STA 422+50 LT



STA 415+12 - STA 420+56 RT



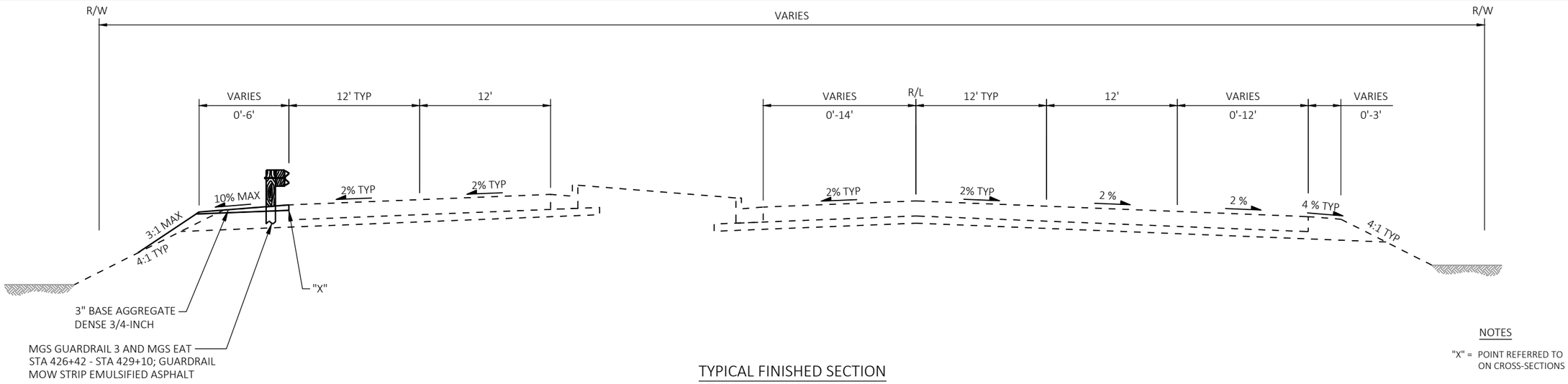
STA 420+56 - STA 424+00 RT

TYPICAL FINISHED SECTION

STH 83

STA 383+60 - STA 424+00

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	FINISHED TYPICAL SECTIONS	SHEET 6	E



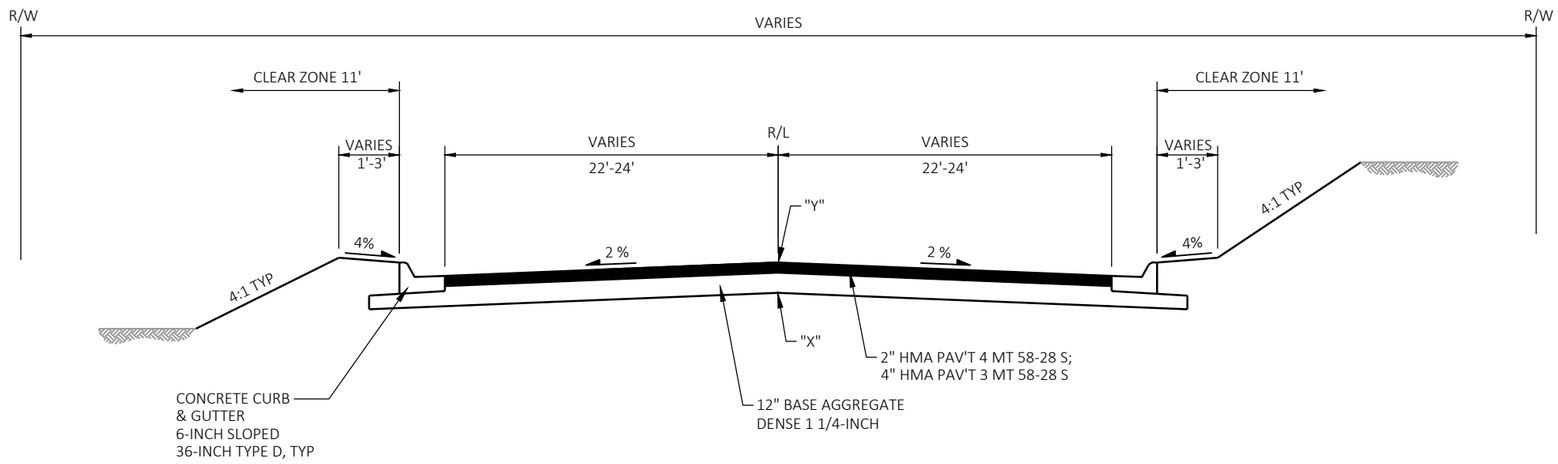
NOTES

"X" = POINT REFERRED TO ON CROSS-SECTIONS

TYPICAL FINISHED SECTION

STH 83

STA 426+42 - STA 429+38



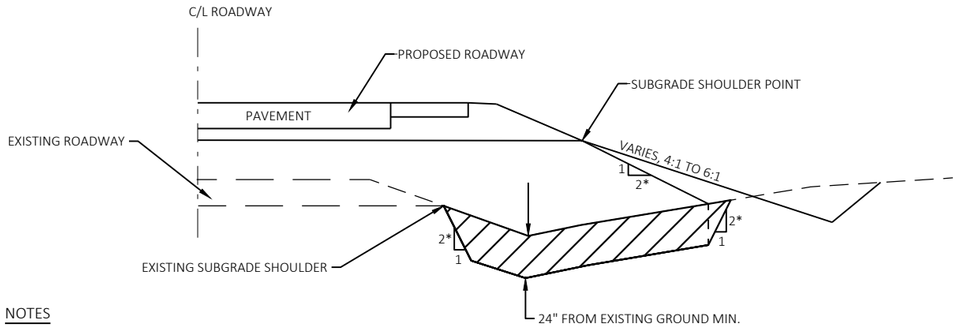
TYPICAL FINISHED SECTION

W DEWEY DR

STA 921+75 - STA 923+05

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	FINISHED TYPICAL SECTIONS	SHEET 7	E

2



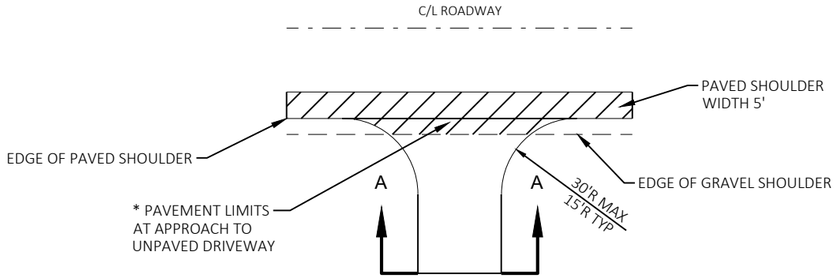
NOTES

1) EXACT EXTENTS OF EBS SECTIONS SHALL BE DETERMINED BY ENGINEER IN THE FIELD.

LEGEND

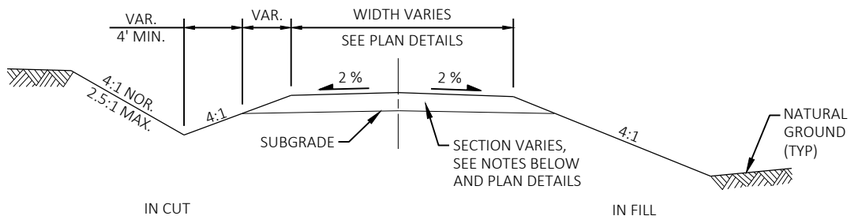
EXCAVATION BELOW SUBGRADE

PARTIAL EBS EXCAVATION DETAIL

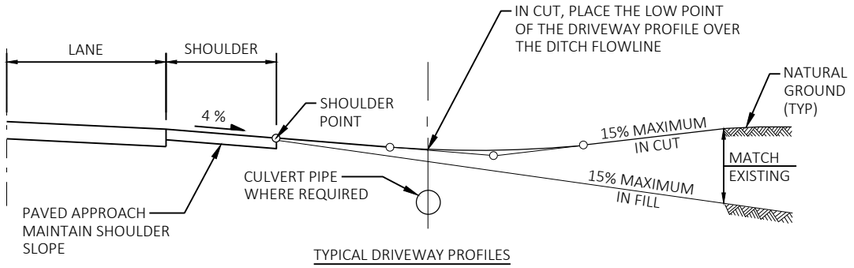


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT; SEE CROSS SECTIONS

PLAN VIEW



SECTION A-A

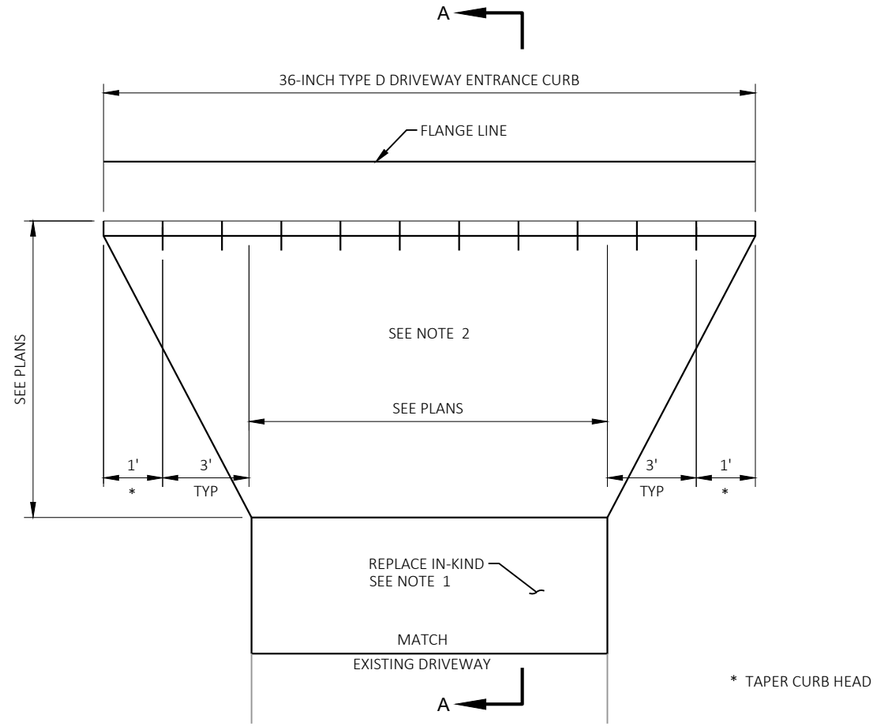


TYPICAL DRIVEWAY PROFILES

NOTES

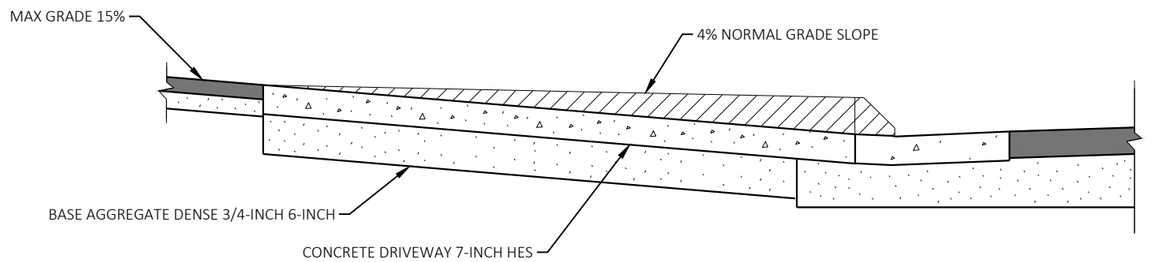
1) WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.
2) FIELD AND PRIVATE DRIVEWAY SURFACES TO BE SAME AS EXISTING WITH MINIMUM SECTION OF:
   ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 4-INCH OVER BASE AGGREGATE DENSE 3/4-INCH 8-INCH OR
   BASE AGGREGATE DENSE 3/4-INCH 6-INCH
3) COMMERCIAL DRIVEWAY SURFACES TO BE SAME AS EXISTING WITH MINIMUM SECTION OF:
   ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 6-INCH OVER BASE AGGREGATE DENSE 3/4-INCH 8-INCH OR
4) SEE PLAN DETAILS FOR WIDTH REQUIRED.

RURAL DRIVEWAY DETAIL



* TAPER CURB HEAD

PLAN VIEW

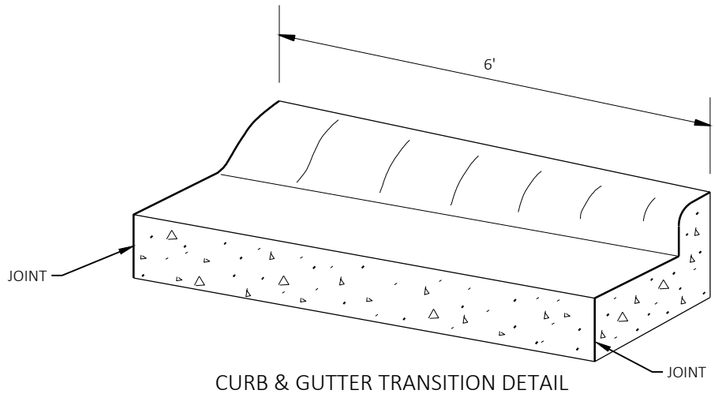


SECTION A-A

NOTES

1) DRIVEWAY SURFACE BEYOND APRON SHALL BE REPLACED IN-KIND. SEE PLAN DETAILS FOR MATCH IN MATERIAL.
2) ALL URBAN DRIVEWAYS TO BACK OF APRON PAID UNDER THE DRIVEWAY BID ITEM "CONCRETE DRIVEWAY 7-INCH HES." SEE PLAN DETAILS.

URBAN DRIVEWAY DETAIL

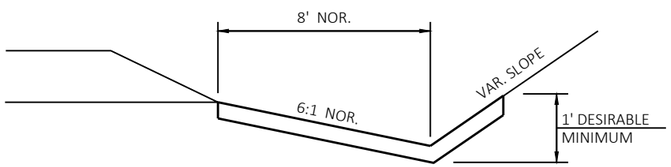


CURB & GUTTER TRANSITION DETAIL

36" TYPE "A" CURB & GUTTER TO 30" TYPE "A" CURB & GUTTER
(TO BE MEASURED & PAID FOR AS 36" CONC. C&G)

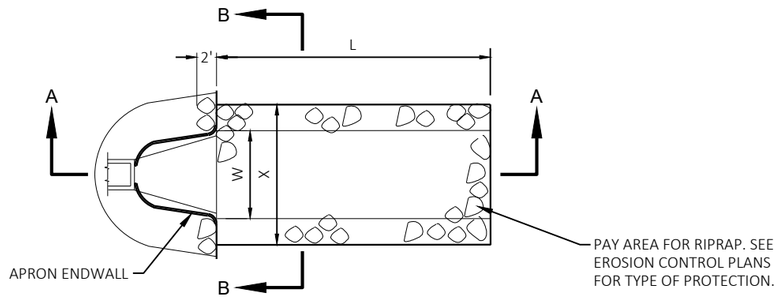
NOTE

TRANSITIONS ARE BETWEEN CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D TO CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J

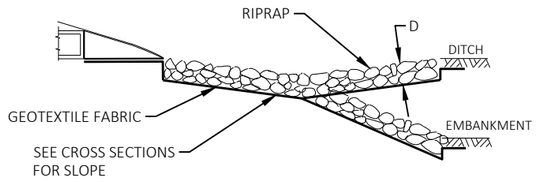


EROSION MAT FOR DITCHES DETAIL

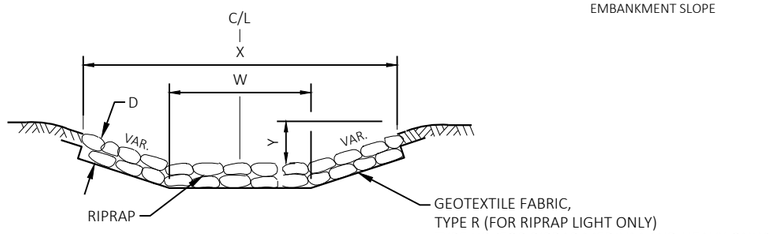
FOR V DITCHES



PLAN VIEW



SECTION A-A



SECTION B-B

L = 3 x X NOR OR 10' MIN. OR AS INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

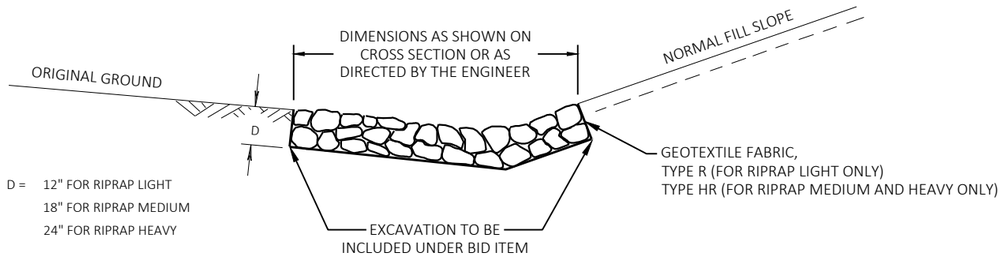
X = W+2' FOR TYPICAL CULVERT DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE

Y = 0.5' FOR TYPICAL CULVERT DISCHARGE INTO DITCH
1.0' FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE

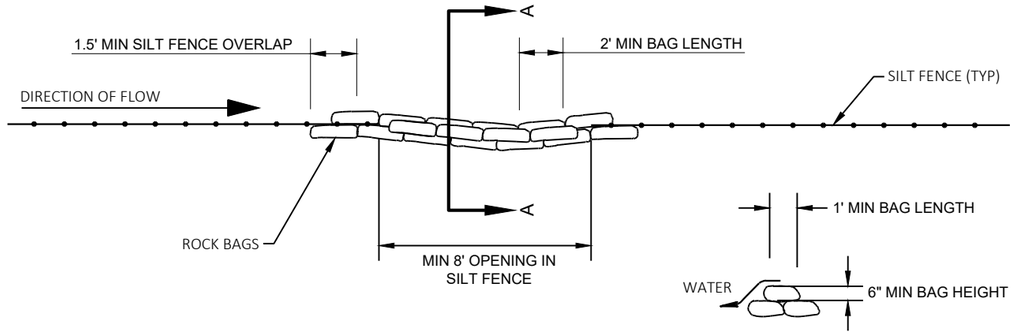
NOTES

1) GEOTEXTILE FABRIC SHALL EXTEND BENEATH THE ENTIRE LENGTH OF THE APRON ENDWALL SECTION.
2) COMPLETE GEOTEXTILE FABRIC AND RIPRAP SECTION INSTALLATION PRIOR TO STORM WATER FLOW.

RIPRAP AND GEOTEXTILE FABRIC
AT APRON ENDWALLS DETAIL



RIPRAP IN DITCHES DETAIL

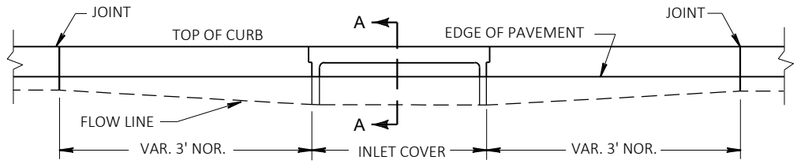


NOTE

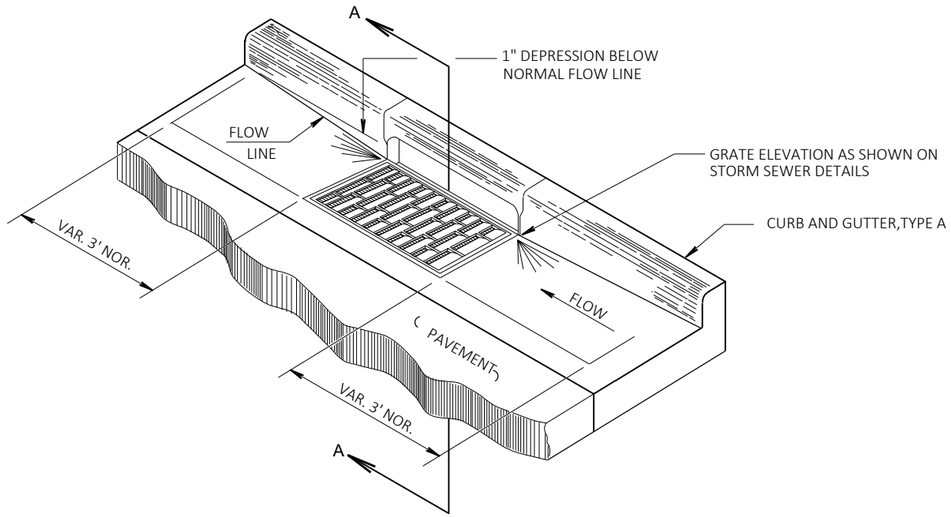
17 ROCK BAGS MINIMUM PER
8' OPENING

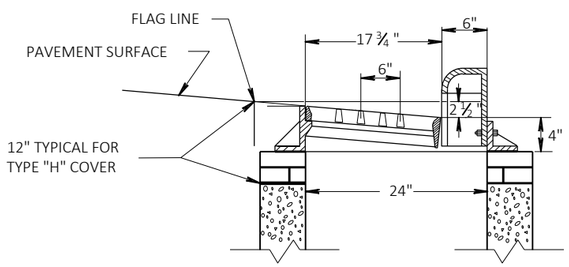
SECTION A-A

SILT FENCE RELIEF DETAIL



ELEVATION





SECTION A-A

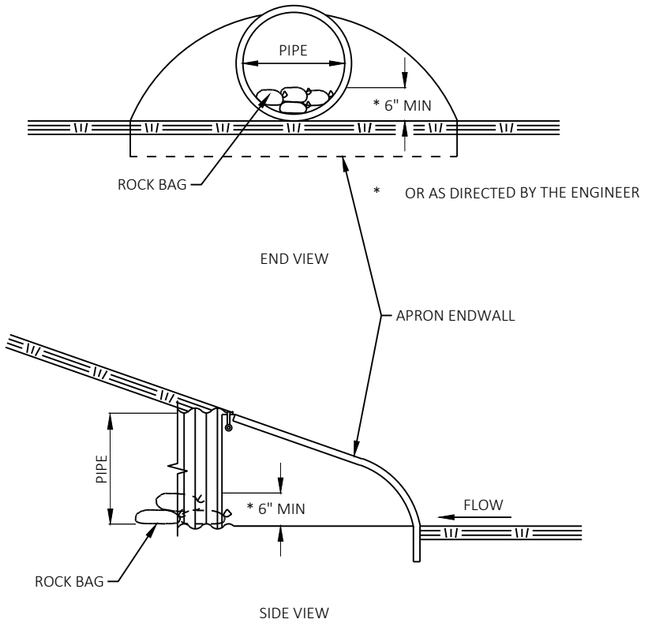
DETAIL OF CURB AND GUTTER AT INLETS DETAIL

(TYPE 3-H INLET SHOWN)

RUNOFF COEFFICIENT TABLE

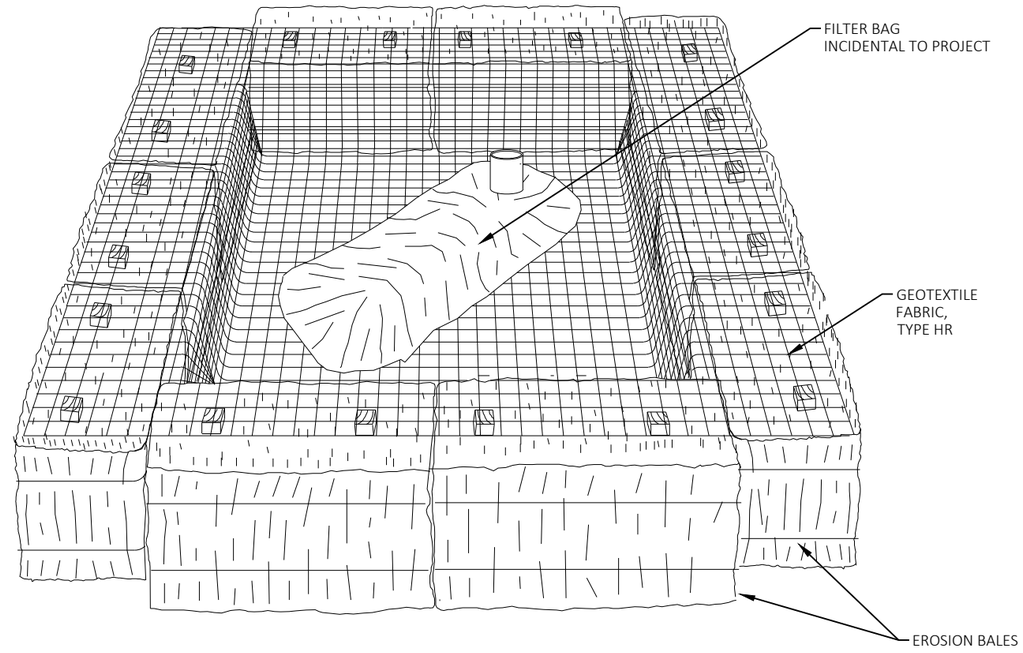
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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 = 13.70 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 6.15 ACRES



ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NUMBER OF BAGS
12"	1
15"	2
18"	2
24"	3
30"	5
36"	7
42"	7
48"	10
54"	10
60"	13
66"	14
72"	16
17"X13"	2
30"X19"	5
38"X24"	7
45"X29"	10
53"X34"	10
60"X38"	13
76"X48"	18
27' WIDE BOX CULVERT	36

CULVERT PIPE CHECKS



TEMPORARY SETTLING BASIN

EXAMPLE:

CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM

HEIGHT OF BALES = 1.5 FT.

SOLUTION:

SV (C.F.) = 16 X 50

SV = 800 C.F.

$$\frac{800 \text{ C.F.}}{1.5 \text{ FT.}} = 533 \text{ S.F.}$$

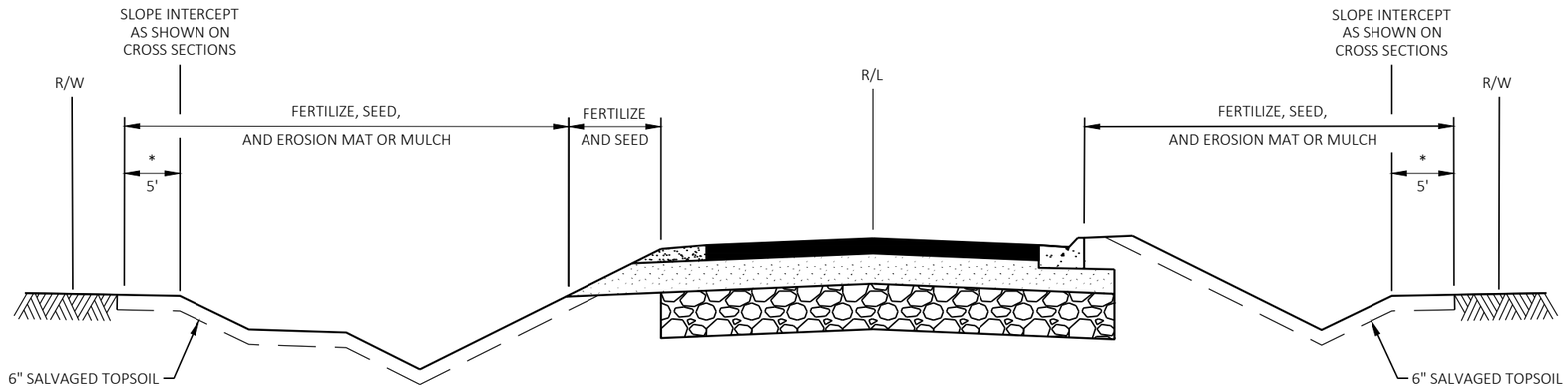
USE A 20 FT. X 27 FT. BASIN

NOTES

1) SEE EROSION CONTROL PLANS FOR LOCATION OF TEMPORARY SEDIMENT BASINS. ADDITONALLY, THE CONTRACTOR SHALL PUMP WATER FROM DEWATERING OPERATIONS INTO TEMPORARY SEDIMENT BASINS PRIOR TO DISCHARGING INTO ROADSIDE DITCHES.

2) BASIN SHALL BE KEPT LESS THAN 10% FULL OF SEDIMENT. GEOTEXTILE FABRIC AND SEDIMENTS SHALL BE DISPOSED BY THE CONTRACTOR OFF OF THE PROJECT SITE.

3) TEMPORARY SETTLING BASIN SHALL BE PAID FOR AS EROSION BALES AND GEOTEXTILE FABRIC TYPE HR.

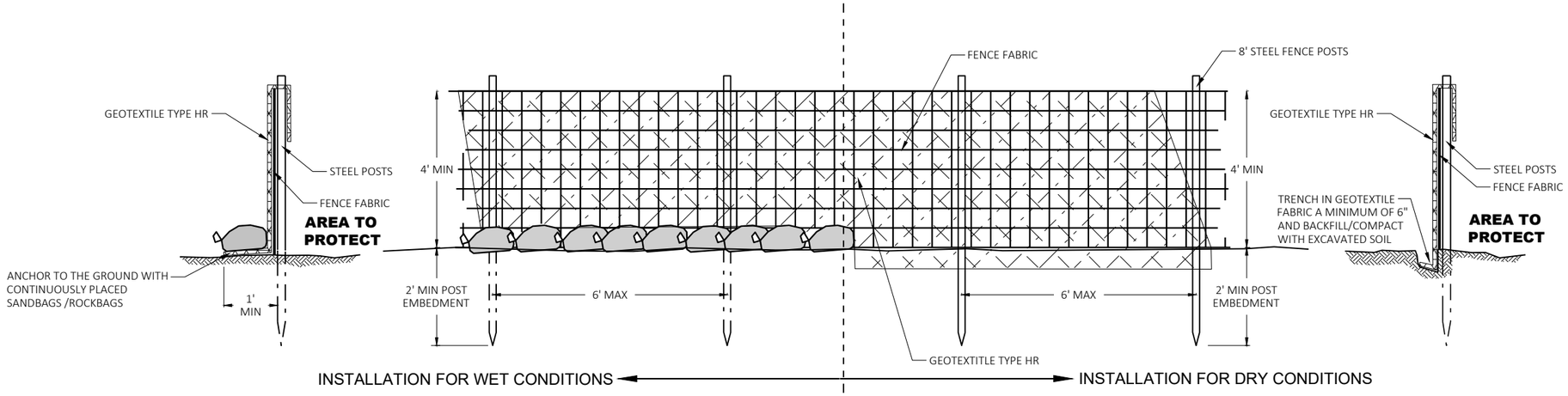


RURAL SECTION

URBAN SECTION

*EXTEND FINISHING ITEMS 5' BEYOND SLOPE INTERCEPT EXCEPT AT WETLANDS

FINISHING ITEMS ROUNDING DETAIL



SILT FENCE HEAVY DUTY DETAIL

NOTES

1) ATTACH FENCE FABRIC TO POSTS A MINIMUM OF 3 TIES PER POST (TOP, MIDDLE, BOTTOM)

2) ATTACH GEOTEXTILE FABRIC TO FENCE FABRIC AND/OR POSTS AT A MAXIMUM SPACING OF EVERY 2 FEET ALONG THE TOP AND ADDITIONALLY AS NECESSARY TO PREVENT DISPLACEMENT BY WIND AND WAVE ACTIONS.

STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
1D	417+09.36	27.00 LT	922+78.66	169.74 RT	229558.351	497092.426	--	855.60
2D	418+12.89	36.16 LT	922+68.95	66.27 RT	229632.659	497019.768	--	850.58
3D	418+49.09	70.48 LT	922+34.42	30.35 RT	229638.834	496970.325	--	847.36
4D	418+09.36	76.00 LT	922+29.13	70.00 RT	229604.694	496991.168	40'	850.74
5D	418+57.42	129.84 LT	921+75.00	22.43 RT	229607.599	496919.163	--	845.31
6D	419+01.45	129.54 LT	921+75.00	21.60 LT	229641.818	496891.453	--	845.19
7D	419+03.73	92.33 LT	922+12.20	24.14 LT	229667.196	496918.763	--	846.11
8D	419+63.62	36.00 LT	922+68.11	84.41 LT	229749.224	496924.292	--	843.22
9D	419+63.62	96.00 LT	922+08.12	84.00 LT	229711.149	496877.921	60'	841.18

R/L W DEWEY DR

BEGIN CONSTRUCTION
STA 921+75..00 R/L W DEWEY DR
SAWCUT AND MATCH EXISTING

PI: 921+45.01

WETLAND BOUNDARY

PROPOSED R/W

EXISTING R/W

SLOPE INTERCEPT, TYP

R/L STH 83

R40'

R60'

15'

12'

12'

STH 83

W DEWEY DR

416 417 418 419 420 421

PI: 418+31.25

SEE PROJECT ID 1300-09-70

STA 418+78.96 STH 83 =
STA 923+04.69 W DEWEY DR

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	INTERSECTION DETAILS - W DEWEY DR	SHEET 15	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 71-01-id

PLOT DATE : 10/2/2022 1:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
1W	940+71.25	10.83 LT	430+40.11	70.85 RT	230647.480	496325.841	--	824.90
2W	940+38.87	11.02 LT	430+39.21	38.48 RT	230627.118	496300.658	--	825.43
3W	940+33.90	16.05 LT	430+44.07	33.34 RT	230627.860	496293.628	--	825.53
4W	940+33.99	32.62 LT	430+60.64	32.87 RT	230640.740	496283.201	--	825.64
5W	940+41.52	36.91 LT	430+65.17	40.25 RT	230648.826	496286.311	--	825.71
6W	940+73.30	18.28 LT	430+47.62	72.64 RT	230654.542	496322.706	--	824.88
7W	940+71.28	14.83 LT	430+44.11	70.74 RT	230650.590	496323.326	5'	825.40
8W	940+38.90	16.02 LT	430+44.21	38.34 RT	230631.006	496297.514	5'	826.10
9W	940+38.99	32.59 LT	430+60.78	37.87 RT	230643.886	496287.087	5'	826.20

2

WOLF RUN

934

R/L WOLF RUN

EXISTING R/W

EXISTING R/W

SLOPE INTERCEPT, TYP

S-67-981

STH 83

PI: 430+19.92

935

428 429 430 431 432 433

R/L STH 83

3W 4W 2W 5W 8W 9W 1W 7W 6W

30'

EXISTING R/W

941

E WOLF RUN

STA 430+26.89 STH 83 =
STA 935+34.61 WOLF RUN

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	INTERSECTION DETAILS - E WOLF RUN	SHEET 16	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 71-02-id

PLOT DATE : 10/2/2022 1:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

BEGIN PROJECT ID 1300-09-71
STA 383+59.60 R/L STH 83

WETLAND BOUNDARY, TYP

PORTER

VILLAGE OF MUKWONAGO

MS21 HOLDINGS LLC

SEE PROJECT ID 1300-09-70

R/L STH 83

PT: 388+82.72

EXISTING R/W

STH 83

MATCH LINE STA 395+00

380 381 382 383 384 385 386 387 388 389 390 391 392 393 394

EXISTING R/W

EXISTING R/W

TLE

UTILITY EASEMENT

B1

H3

BEGIN 60:1 SHIFTING TAPER 100B

PI: 384+13.46

D4 STA 384+71, RT
PE, 14.0' WIDE
1-50' CPCS 24-INCH
2-AECPS

END 60:1 SHIFTING TAPER 101B

SLOPE INTERCEPT

VILLAGE OF MUKWONAGO

PREMEAU

PORTER

GREENWALD

WALWORTH COUNTY
RACINE COUNTY

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
100B	383+59.60	12.00 RT	226971.051	499220.292	--	846.52
101B	390+82.87	24.00 RT	227557.181	498793.839	--	862.74

LEGEND

B1	BASE AGGREGATE DENSE 3/4-INCH	H3	HMA PAVEMENT 6-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	S1	CONCRETE SURFACE DRAIN
D1	CONCRETE DRIVEWAY HES 7-INCH	W1	CONCRETE SIDEWALK 5-INCH
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH		

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PLAN DETAILS	SHEET 17	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 01-pd_71

PLOT DATE : 10/3/2022 8:12 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

PC: 910+30.87

PT: 910+93.64

911

912

913

914

915

R/L W BOXHORN DR

W BOXHORN DR

EXISTING R/W

EXISTING R/W

QUERNEMOEN MUKWONAGO LLC

WALWORTH COUNTY
WAUKESHA COUNTY

PITTS

BEGIN CONSTRUCTION
SEE PROJECT ID 1300-00-70
STA 914+18.66 R/L W BOXHORN DR
MATCH EXISTING

SEE PROJECT ID 1300-09-70

PI: 397+59.51

STA 400+67, LT
CE

EXISTING R/W

PROPOSED R/W

100D

R/L STH 83

STH 83

STA 406+19
1-69' CPRC CLASS III 27-INCH
2-AECPRC
1° SKEW LHF

S1

101D

102D

H3

B1

C2

EXISTING R/W

MATCH LINE STA 395+00

396 397 398 399 400 401 402 403 404 405 406 407 408 409

MATCH LINE STA 410+00

12"

3%

3%

EXISTING R/W

PROPOSED R/W

EXISTING R/W

UTILITY EASEMENT

TLE

102B

103B

STA 396+29.85 R/L STH 83=
STA 915+32.08 R/L W BOXHORN DR

BEGIN 25:1 MERGING TAPER 104B

B1

H3

SLOPE INTERCEPT, TYP

END 25:1 MERGING TAPER/
BEGIN 60:1 SHIFTING TAPER 105B

PITTS

VILLAGE OF MUKWONAGO

D4 STA 399+91, RT
FE, 15.0' WIDE
1-58' CPCS 18-INCH
2-AECPS

PITTS

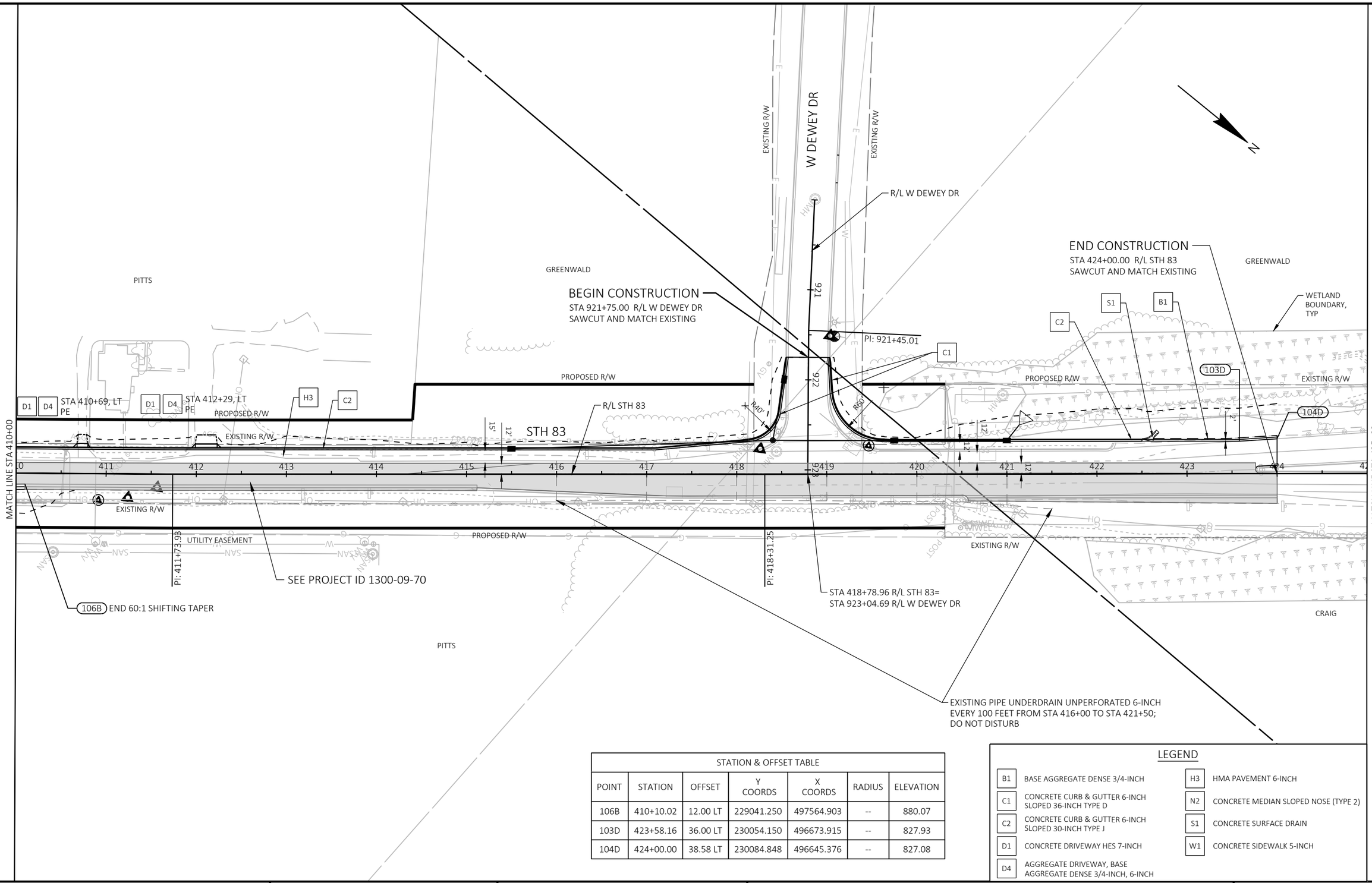
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
102B	395+50.00	24.00 RT	227915.988	498494.723	--	877.61
103B	396+00.00	36.00 RT	227962.077	498471.924	--	878.89
104B	399+87.94	36.00 RT	228261.772	498226.441	--	880.58
100D	402+76.46	11.91 LT	228455.937	498007.601	--	877.42
105B	402+90.02	24.00 RT	228489.062	498027.107	--	877.04
101D	408+38.79	23.79 LT	228885.625	497644.892	--	877.74
102D	408+48.79	27.00 LT	228891.380	497635.995	--	877.79

LEGEND

B1	BASE AGGREGATE DENSE 3/4-INCH	H3	HMA PAVEMENT 6-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	S1	CONCRETE SURFACE DRAIN
D1	CONCRETE DRIVEWAY HES 7-INCH	W1	CONCRETE SIDEWALK 5-INCH
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH		

2



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
106B	410+10.02	12.00 LT	229041.250	497564.903	--	880.07
103D	423+58.16	36.00 LT	230054.150	496673.915	--	827.93
104D	424+00.00	38.58 LT	230084.848	496645.376	--	827.08

LEGEND

B1	BASE AGGREGATE DENSE 3/4-INCH	H3	HMA PAVEMENT 6-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	S1	CONCRETE SURFACE DRAIN
D1	CONCRETE DRIVEWAY HES 7-INCH	W1	CONCRETE SIDEWALK 5-INCH
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH		

2

2

MATCH LINE STA 425+00

RUDOLPH PROPERTIES LLC

RUDOLPH PROPERTIES LLC

TRIBUTARY TO MUKWONAGO RIVER

GREENWALD

WOLF RUN

PI: 930+88.29

PI: 932+32.50

OAW HOLDINGS

HITTMAN

ARROWHEAD DR

ARROWHEAD DRIVE REAL ESTATE

N

MGS GUARDRAIL TERMINAL EAT,
POST 1 STA 429+10.00, 70.64' LT
POST 9 STA 428+60.00, 68.03' LT

MGS GUARDRAIL 3

R/L WOLF RUN

NICHOLOPOULUS AND REBELOS

WETLAND BOUNDARY, TYP

C-67-37

S-67-981

S-67-1433

S-67-1434

W1

EXISTING R/W

STH 83

PI: 430+19.92

R/L STH 83

EXISTING R/W

EXISTING R/W

N2

931

932

933

934

935

936

937

938

939

940

941

942

943

944

945

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

STA 430+26.89 R/L STH 83=
STA 935+34.61 R/L E WOLF RUN=
STA 940+00.00 R/L WOLF RUN

S-67-1432

PC: 941+45.67

EXISTING R/W

S-67-1435

C2

W1

N2

H3 INSTALLATION OF LOOP DETECTORS

END PROJECT ID 1300-09-70
STA 434+83.47 R/L STH 83

EXISTING R/W

EXISTING R/W

GREENWALD

CRAIG

R/L E WOLF RUN

PI: 942+42.79

PC: 944+68.37

PT: 943+26.49

EXISTING R/W

SUNSHINE CAR CARE LLC

E WOLF RUN

PI: 945+89.75

END CONSTRUCTION
STA 944+68.79 R/L E WOLF RUN

PI: 440+43.19

LEGEND

B1	BASE AGGREGATE DENSE 3/4-INCH	H3	HMA PAVEMENT 6-INCH
C1	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	N2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J	S1	CONCRETE SURFACE DRAIN
D1	CONCRETE DRIVEWAY HES 7-INCH	W1	CONCRETE SIDEWALK 5-INCH
D4	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH		

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PLAN DETAILS	SHEET 20	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 04-pd_71

PLOT DATE : 10/3/2022 8:13 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
100	430+41.48	48.12 RT	940+48.58	12.97 LT	230634.772	496306.943	--	825.23
101	430+41.34	43.12 RT	940+43.58	13.00 LT	230631.628	496303.055	--	825.31
102	430+43.84	43.05 RT	940+43.59	15.50 LT	230633.572	496301.483	--	825.46
103	430+43.98	48.05 RT	940+48.59	15.47 LT	230636.716	496305.371	--	825.40
104	430+50.69	35.15 RT	940+35.93	22.61 LT	230634.222	496291.051	--	825.53
105	430+55.69	35.01 RT	940+35.96	27.61 LT	230638.109	496287.905	--	825.57
106	430+55.76	37.51 RT	940+38.46	27.59 LT	230639.682	496289.848	--	825.58
107	430+50.76	37.65 RT	940+38.43	22.59 LT	230635.795	496292.994	--	825.55
108	430+62.00	41.90 RT	940+43.06	33.69 LT	230647.309	496289.545	--	825.39
109	430+59.62	46.30 RT	940+47.37	31.16 LT	230648.085	496294.485	--	825.30
110	430+57.42	45.11 RT	940+46.11	29.00 LT	230645.615	496294.873	--	825.47
111	430+59.81	40.71 RT	940+41.79	31.53 LT	230644.839	496289.933	--	825.54
112	430+52.44	49.29 RT	940+50.12	23.88 LT	230644.191	496301.223	--	825.50

R/L WOLF RUN

430+00

430+50

431+00

STA 430+26.89 STH 83 =
STA 935+34.61 WOLF RUN

R/L STH 83

STH 83

CURB RAMP
TYPE 5 MODIFIED

E WOLF RUN

940+50

R/L E WOLF RUN

0.7%
0.9%
0.5%
0.9%
1.1%
6.0%
6.0%
1.9%
1.2%
6.8%
1.2%
1.3%
6.6%
0.5%
1.6%

NOTES

1. SEE PLAN DETAILS AND REMOVAL PLANS FOR ADDITIONAL INFORMATION.
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRDES, SLOPES, LENGTHS AND MATH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS (FOR INFORMATION ONLY).
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATION/OFFSETS REFERENCE STH 83 AND RESPECTIVE SIDE ROAD ALIGNMENT(S).
7. DETAILS SUPPLEMENT CURB RAMPS TYPE
8. POINTS NOTATED WITH * ARE TO MATCH EXISTING LOCATION AND ELEVATION.

EXISTING R/W

LEGEND

LANDING

DETECTABLE WARNING FIELD

SURFACE WATER FLOW

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CURB RAMP DETAILS - E WOLF RUN	SHEET 21	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\021201-RD.DWG
LAYOUT NAME - 021201-rd

PLOT DATE : 10/2/2022 1:40 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

WOLF RUN

R/L WOLF RUN

EXISTING R/W

934+50

935+00

205*

206

207

200*

204*

208

203*

202*

201*

2.0%

1.5%

1.5%

2.0%

5.3%

0.1%

CURB RAMP
TYPE 1/1-A MODIFIED

SAWING CONCRETE CURB HEAD

EXISTING R/W

STH 83

N

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS	ELEVATION
200*	431+00.12	91.40 LT	934+45.73	76.26 LT	230596.681	496160.476	--	826.47
201*	431+00.24	80.42 LT	934+56.71	76.01 LT	230603.447	496169.133	--	826.30
202*	430+86.88	80.50 LT	934+56.18	62.66 LT	230592.778	496177.174	--	826.28
203*	430+77.22	84.66 LT	934+51.69	53.14 LT	230582.574	496179.734	--	825.38
204*	430+73.13	87.54 LT	934+48.68	49.16 LT	230577.579	496179.928	--	825.28
205*	430+69.64	91.22 LT	934+44.88	45.79 LT	230572.570	496179.116	--	825.46
206	430+77.46	93.66 LT	934+42.70	53.69 LT	230577.300	496172.434	--	825.39
207	430+81.54	90.78 LT	934+45.72	57.67 LT	230582.297	496172.248	--	825.49
208	430+78.65	86.69 LT	934+49.71	54.65 LT	230582.482	496177.245	--	825.41

NOTES

1. SEE PLAN DETAILS AND REMOVAL PLANS FOR ADDITIONAL INFORMATION.
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRDES, SLOPES, LENGTHS AND MATH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS (FOR INFORMATION ONLY).
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATION/OFFSETS REFERENCE STH 83 AND RESPECTIVE SIDE ROAD ALIGNMENT(S).
7. DETAILS SUPPLEMENT CURB RAMPS TYPE
8. POINTS NOTATED WITH * ARE TO MATCH EXISTING LOCATION AND ELEVATION.

LEGEND

- LANDING
- DETECTABLE WARNING FIELD
- SURFACE WATER FLOW

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CURB RAMP DETAILS - STH 83 AND WOLF RUN (NW QUADRANT)	SHEET 22	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\021201-RD.DWG
LAYOUT NAME - 021202-rd

PLOT DATE : 10/2/2022 1:40 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- REMOVING ASPHALTIC SURFACE (PAID FOR AS EXCAVATION COMMON)
- REMOVING ASPHALTIC SURFACE
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXXX SAWING ASPHALT
- SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

N

BEGIN PROJECT ID 1300-09-71
STA 383+59.60 R/L STH 83

R/L STH 83

STH 83

EXISTING R/W

EXISTING R/W

EXISTING R/W

EXISTING R/W

TLE

MATCH LINE STA 395+00

380 381 382 383 384 385 386 387 388 389 390 391 392 393 394

XXXXXXXXXXXXXXXXXXXXXX

REMOVING SMALL PIPE CULVERTS

CLEARING AND GRUBBING
STA 385+00 TO STA 388+00

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	REMOVAL PLANS	SHEET 23	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 01-rm_71

PLOT DATE : 10/2/2022 1:42 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

W BOXHORN DR

EXISTING R/W

913

914

915

R/L W BOXHORN DR

EXISTING R/W

MATCH LINE STA 395+00

5

396

397

398

399

400

401

402

403

404

405

406

407

408

409

MATCH LINE STA 410+00

STH 83

EXISTING R/W

R/L STH 83

REMOVING SMALL PIPE CULVERTS

PROPOSED R/W

CLEARING AND GRUBBING
STA 407+00 TO STA 409+00

EXISTING R/W

EXISTING R/W

TLE

PROPOSED R/W

REMOVING SMALL PIPE CULVERTS

CLEARING AND GRUBBING
STA 400+48

CLEARING AND GRUBBING
STA 402+50

CLEARING AND GRUBBING
STA 403+74
STA 404+34

LEGEND

- REMOVING ASPHALTIC SURFACE (PAID FOR AS EXCAVATION COMMON)
- REMOVING ASPHALTIC SURFACE
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- SAWING ASPHALT
- SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)

CLEARING AND GRUBBING
STA 414+50 TO STA 415+50

CLEARING AND GRUBBING
STA 416+50 TO STA 418+50

EXISTING R/W

W DEWEY DR

921

EXISTING R/W

R/L W DEWEY DR

CLEARING AND GRUBBING
STA 419+25TO STA 423+25

REMOVING MANHOLE

PROPOSED R/W

REMOVING INLET

EXISTING R/W

PROPOSED R/W

STH 83

EXISTING R/W

MATCH LINE STA 410+00

411

412

413

414

415

416

417

418

419

420

421

422

423

424

MATCH LINE STA 425+00

EXISTING R/W

PROPOSED R/W

R/L STH 83

EXISTING R/W

END CONSTRUCTION
STA 424+00.00 R/L STH 83

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	REMOVAL PLANS	SHEET 24	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 02-rm_71

PLOT DATE : 10/2/2022 1:42 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 425+00

TRIBUTARY TO MUKWONAGO RIVER

WOLF RUN

R/L WOLF RUN

ARROWHEAD DR

N

EXISTING R/W

STH 83

R/L STH 83

931 932 933 934 935

425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440

EXISTING R/W

EXISTING R/W

EXISTING R/W

EXISTING R/W

EXISTING R/W

942 943 944 945

E WOLF RUN

R/L E WOLF RUN

END PROJECT ID 1300-09-71
STA 434+83.47 R/L STH 83

LEGEND

- REMOVING ASPHALTIC SURFACE (PAID FOR AS EXCAVATION COMMON)
- REMOVING ASPHALTIC SURFACE
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- REMOVING CURB & GUTTER
- REMOVING GUARDRAIL
- REMOVING FENCE
- XXXXXXXXXXX SAWING ASPHALT
- SAWING CONCRETE
- CLEARING & GRUBBING (ID)
- XX CLEARING & GRUBBING (STA)

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	REMOVAL PLANS	SHEET 25	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\021501_RM.DWG
LAYOUT NAME - 03-rm_71

PLOT DATE : 10/2/2022 1:42 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

BEGIN PROJECT ID 1300-09-71
STA 383+59.60 R/L STH 83

WETLAND BOUNDARY, TYP

EXISTING R/W

R/L STH 83

STH 83

EXISTING R/W

EXISTING R/W

EXISTING R/W

TLE

MATCH LINE STA 394+00

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- SILT FENCE DOUBLE STAKED
- EROSION BALES
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE X)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE RELIEF
- SURFACE WATER FLOW

R/L W BOXHORN DR

W BOXHORN DR

SEE PROJECT ID 1300-09-70, TYP

EXISTING R/W

EXISTING R/W

STH 83

R/L STH 83

PROPOSED R/W

EXISTING R/W

PROPOSED R/W

TLE

MATCH LINE STA 394+00

MATCH LINE STA 409+00

NOTES

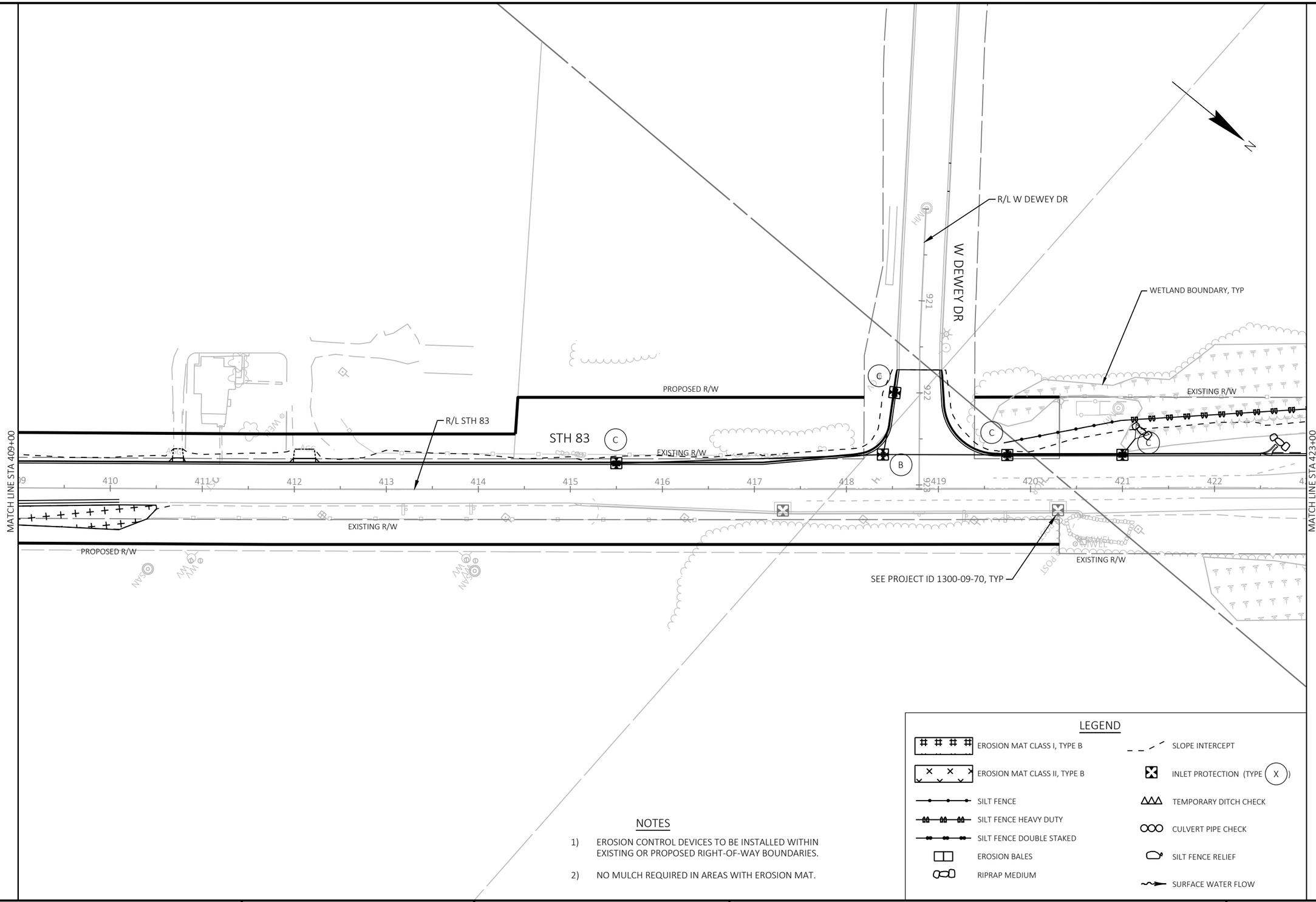
1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	EROSION CONTROL	SHEET 26	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 1-ec-71
PLOT DATE : 10/2/2022 1:43 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



NOTES

1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- SILT FENCE DOUBLE STAKED
- EROSION BALES
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE X)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE RELIEF
- SURFACE WATER FLOW

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	EROSION CONTROL	SHEET 27	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 2-ec-71
PLOT DATE : 10/2/2022 1:43 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 423+00

WETLAND BOUNDARY, TYP

END CONSTRUCTION
STA 424+00.00 R/L STH 83

C-67-37

S-67-981

EXISTING R/W

STH 83

R/L WOLF RUN

WOLF RUN

R/L STH 83

EXISTING R/W

ARROWHEAD DR

ASPH CONC

EXISTING R/W

EXISTING R/W

END PROJECT ID 1300-09-71
STA 434+83.47 R/L STH 83

TRIBUTARY TO MUKWONAGO RIVER

R/L E WOLF RUN

E WOLF RUN

NOTES

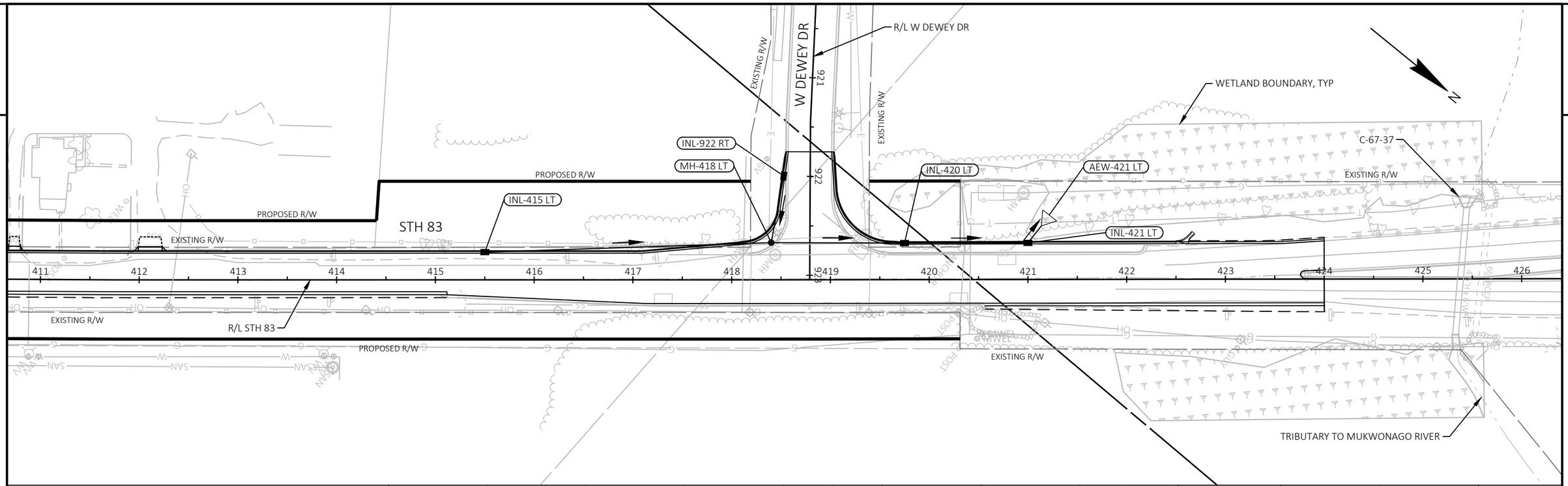
1) EROSION CONTROL DEVICES TO BE INSTALLED WITHIN EXISTING OR PROPOSED RIGHT-OF-WAY BOUNDARIES.

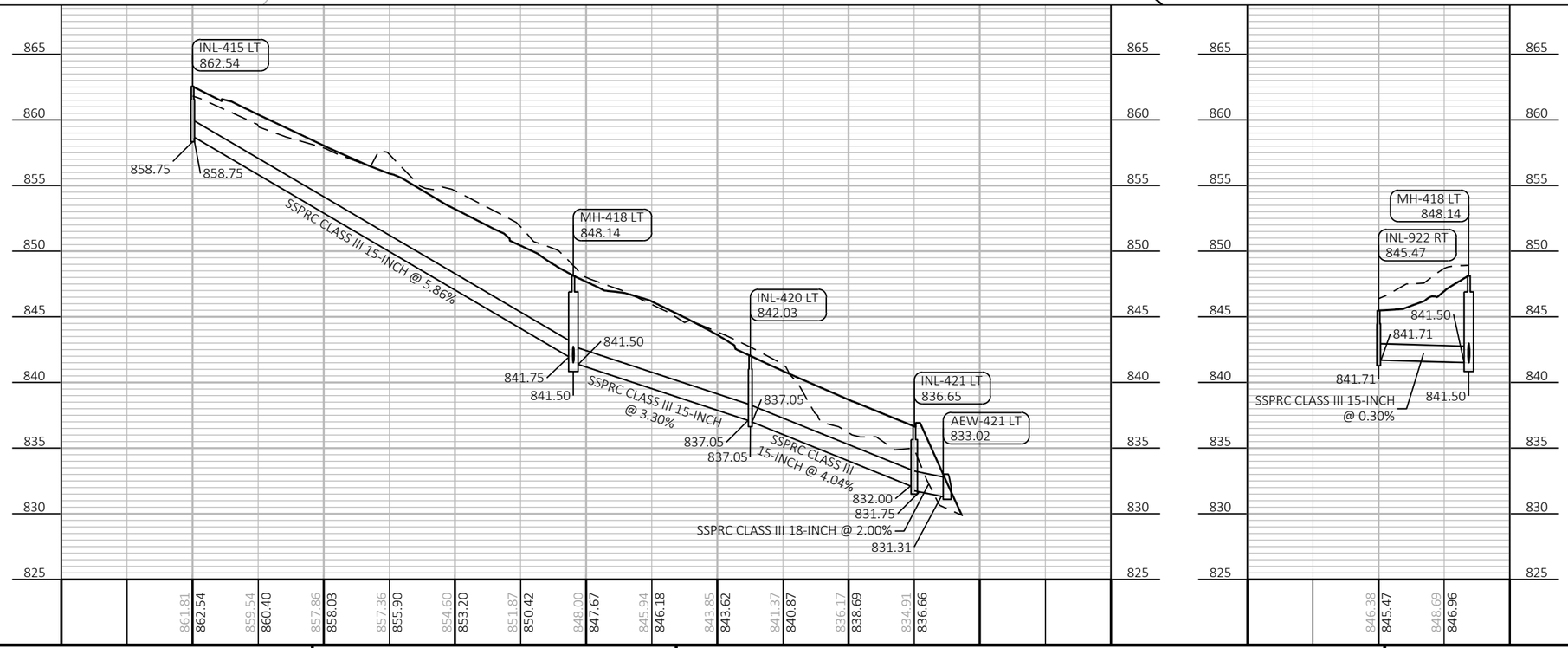
2) NO MULCH REQUIRED IN AREAS WITH EROSION MAT.

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- SILT FENCE DOUBLE STAKED
- EROSION BALES
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE X)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SILT FENCE RELIEF
- SURFACE WATER FLOW

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	EROSION CONTROL	SHEET 28	E





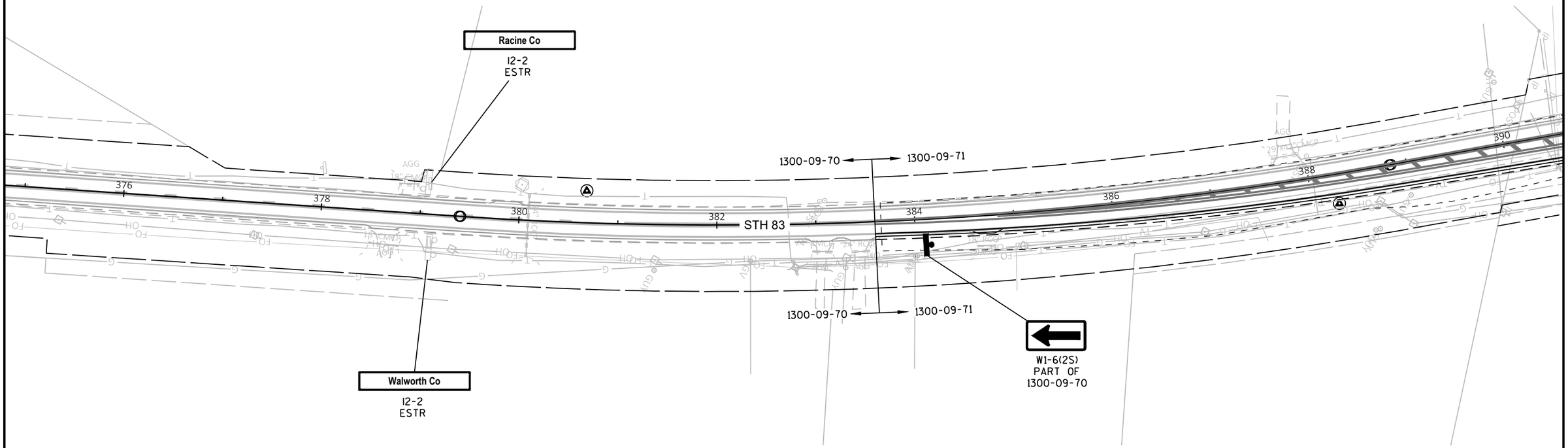
PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	STORM SEWER PLAN	SHEET 29	E

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 1 OF 8

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 30	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023202_PS_1300-09-71.DWG
LAYOUT NAME - Sht-01

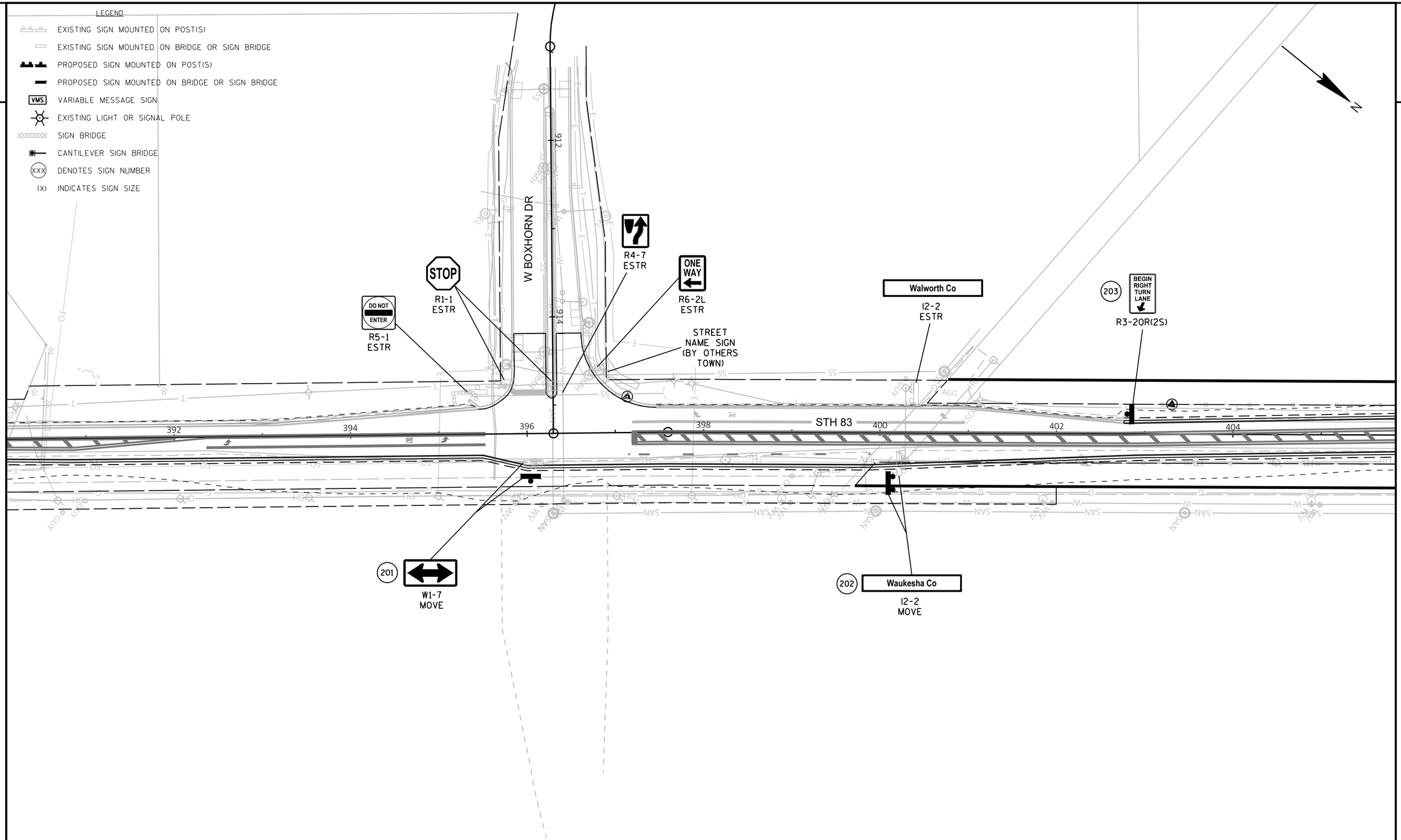
PLOT DATE : 3/18/2022 3:02 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 2 OF 8

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 31	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023202_PS_1300-09-71.DWG
LAYOUT NAME - Sht-02

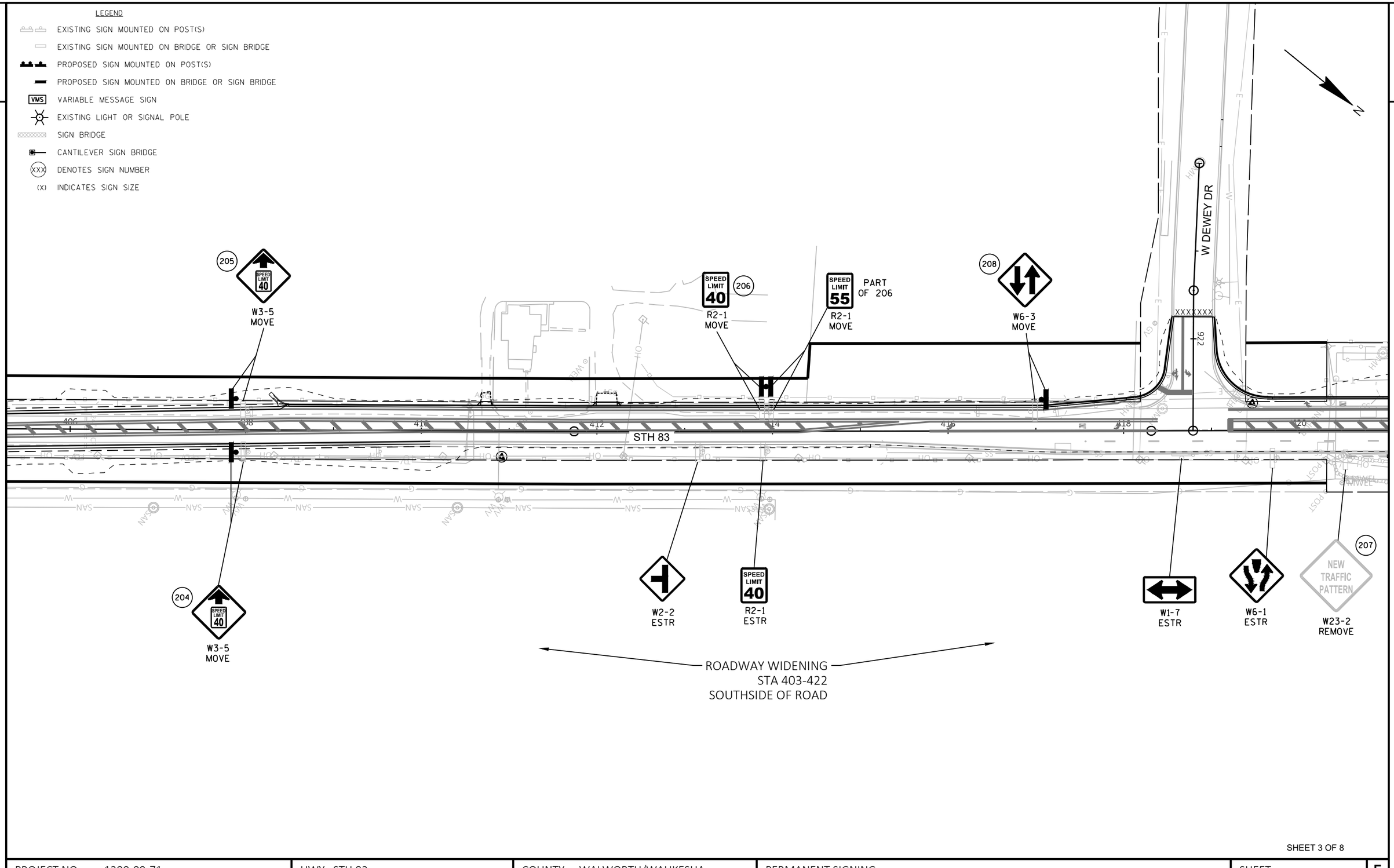
PLOT DATE : 3/18/2022 3:02 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 3 OF 8

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 32	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023202_PS_1300-09-71.DWG
LAYOUT NAME - Sht-03

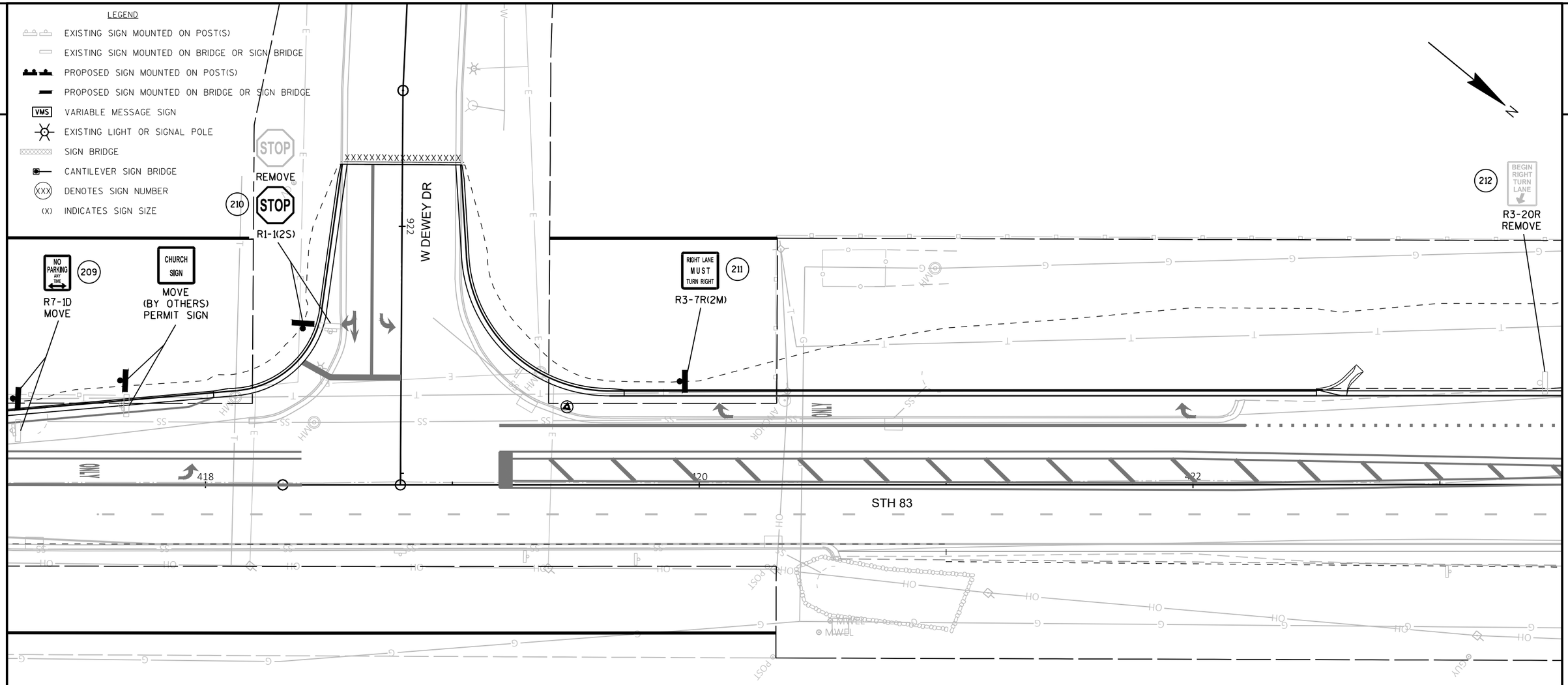
PLOT DATE : 3/18/2022 3:02 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 4 OF 8

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 33	E

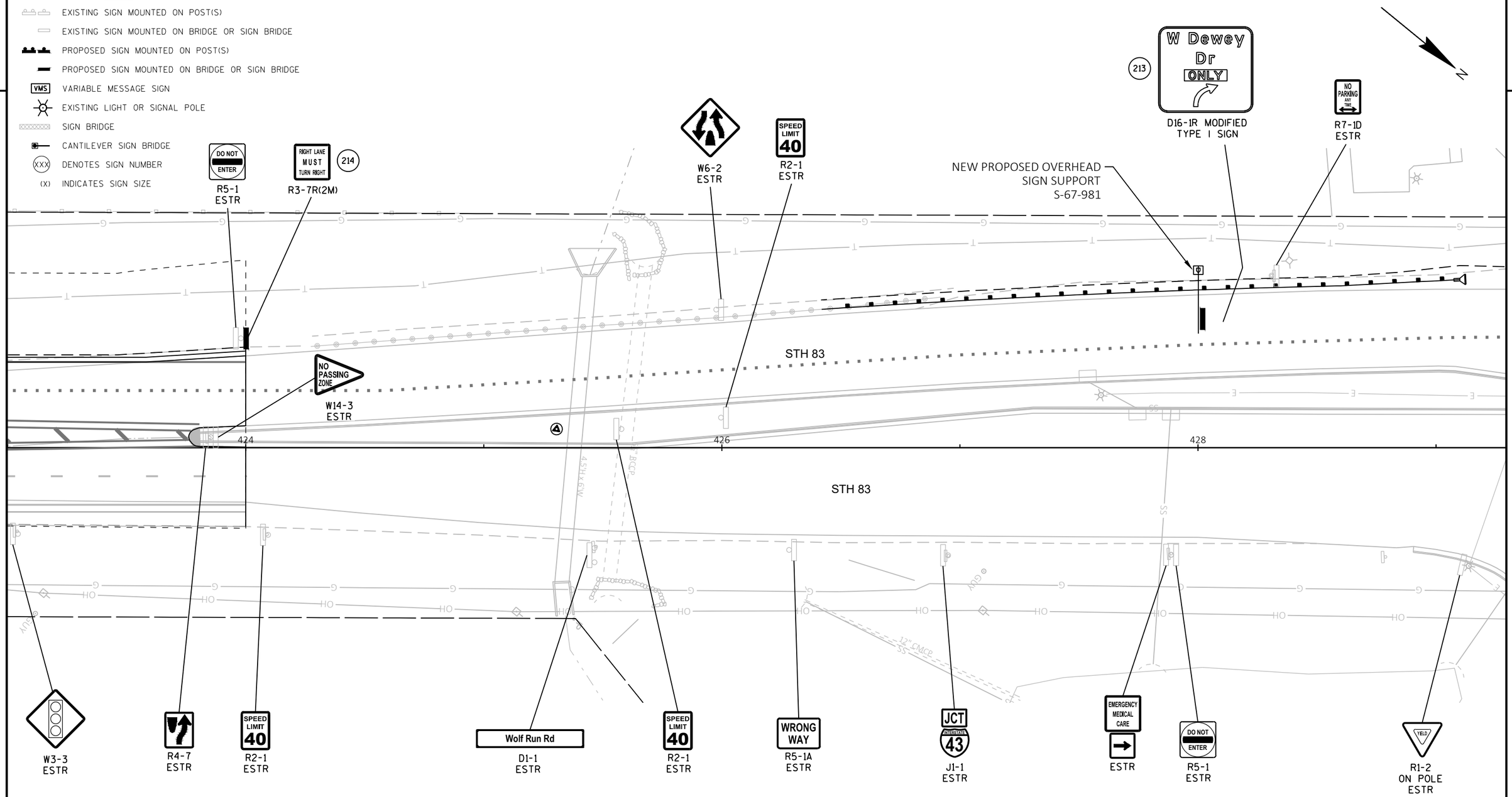
FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023202_PS_1300-09-71.DWG
LAYOUT NAME - Sht-04

PLOT DATE : 3/18/2022 3:02 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



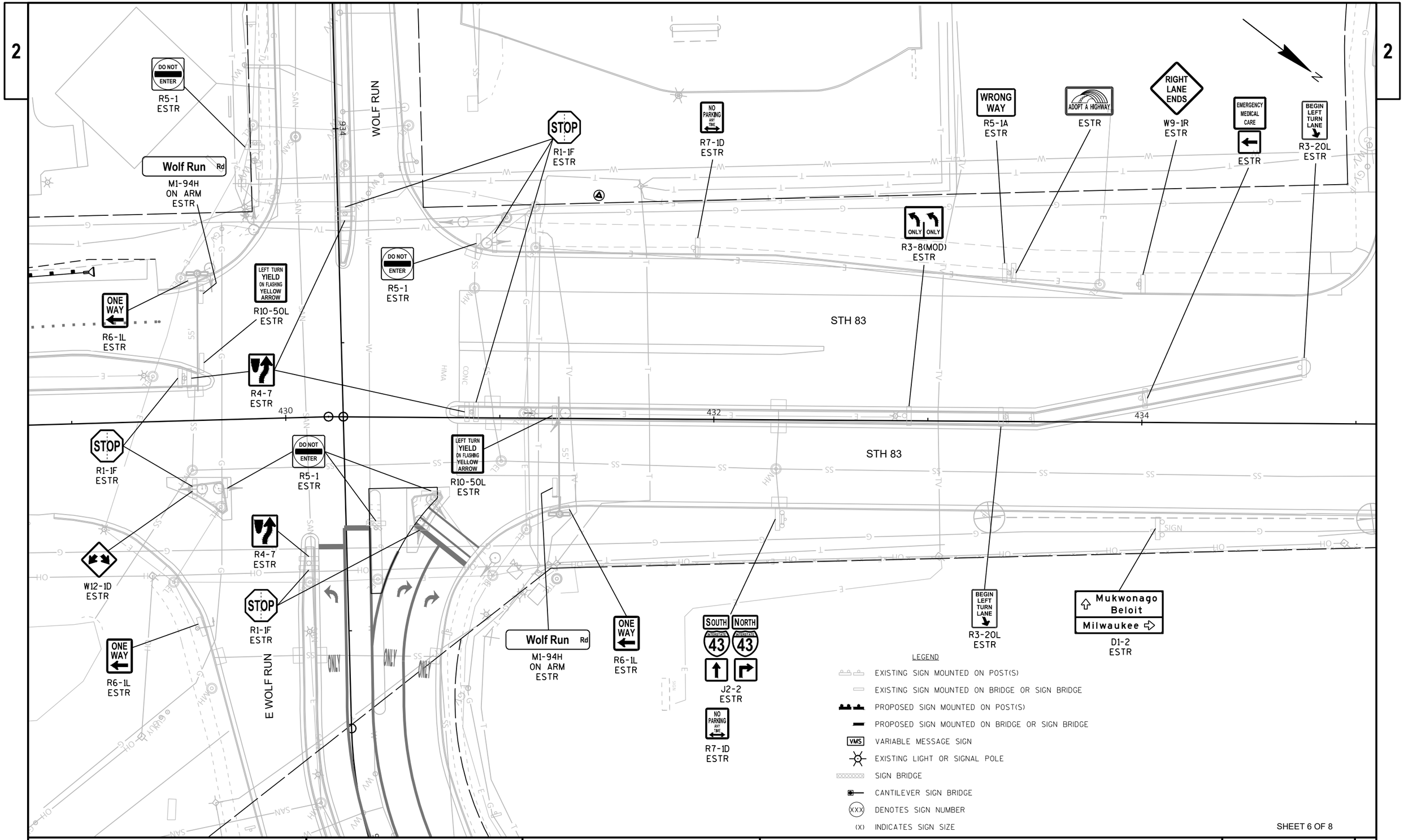
SHEET 5 OF 8

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 34	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023202_PS_1300-09-71.DWG
LAYOUT NAME - Sht-05

PLOT DATE : 3/18/2022 3:02 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 35	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023202_PS_1300-09-71.DWG
LAYOUT NAME - Sht-06

PLOT DATE : 3/18/2022 3:03 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE

N

REMOVE
DO NOT ENTER (226)
R5-1(2S)
ON S.P.

STOP
REMOVE
STOP (225)
R1-1F(2S)
ON S.P.

227
W12-1D(2S)
2' HEIGHT

R4-7
ESTR

83 (224)
MOVE

STOP
R1-1F
ESTR

WRONG WAY
REMOVE
WRONG WAY (222)
R5-1A

ONLY ONLY (221)
R3-8RR(2S)

BEGIN RIGHT TURN LANE (220)
R3-20R(2S)

ONLY ONLY ONLY
R3-8LAR
REMOVE
ONLY ONLY ONLY ONLY (219)
R3-8LARR(2S)

W3-3
ESTR

942

WOLF RUN

944

946

ONLY ONLY ONLY ONLY (218)
R3-8LARR(2S)

ONLY ONLY ONLY
R3-8LAR
REMOVE

SHEET 6A OF 8

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 36	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023202_PS_1300-09-71.DWG
LAYOUT NAME - Sht-06A

PLOT DATE : 3/18/2022 3:03 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

ARROWHEAD DR

IH-43 NB OFF RAMP

IH-43 NB ON RAMP

STH 83

STH 83

436

438

440

R1-1
ESTR

R5-1
ESTR

R2-1
ESTR

R5-1A
ESTR

R7-1D
ESTR

W3-3
ESTR

D1-65
ESTR

D2-2
ESTR

R3-18
ESTR

R3-18
ESTR

R1-1F
ESTR

R3-18
ESTR

R5-1
ESTR

W3-3
ESTR

R4-7
ESTR

M1-1
ADD
(MISSING)

J3-1
ESTR

J3-1
ESTR

R11-54F
ESTR

R1-1F
ESTR

Wolf Run Rd
NEXT SIGNAL

Waterford 8
Burlington 15

RAMP CLOSED
USE
ALT ROUTE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 7 OF 8

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 37	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023202_PS_1300-09-71.DWG
LAYOUT NAME - Sht-07

PLOT DATE : 3/18/2022 3:03 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

IH-43 NB OFF RAMP

216 217

NEW TRAFFIC PATTERN

REMOVE

DO NOT ENTER
R5-1

R3-1

WRONG WAY
R5-1A
ESTR

STOP
R1-1F
ESTR

WRONG WAY
R5-1A
ESTR

NO PARKING ANY TIME
R7-1D
ESTR

OVERHEAD
ONLY
R3-5L
ESTR

R4-7
ON SIGNAL POLE
ESTR

NORTH
INTERSTATE
43

J3-1
ON SIGNAL POLE
ESTR

DO NOT ENTER
R5-1
ESTR

ONE WAY
R6-2L
ON SIGNAL POLE
ESTR

R4-7
ESTR

STOP
R1-1F
ESTR

STH 83

440 442 444

RAMP CLOSED
USE
ALT ROUTE
R11-54F
ESTR

STH 83

IH-43 NB ON RAMP

NO PARKING ANY TIME
R7-1D
ESTR

W5-52R
ESTR

SOUTH
INTERSTATE
43

Beloit
ESTR

SOUTH
INTERSTATE
43

J3-1
ESTR

SHEET 8 OF 8

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH/WAUKESHA	PERMANENT SIGNING	SHEET 38	E

FILE NAME : N:\PDS\C3D\CAD\13000901\SIGN\023202_PS_1300-09-71.DWG
LAYOUT NAME - Sht-08

PLOT DATE : 3/18/2022 3:03 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

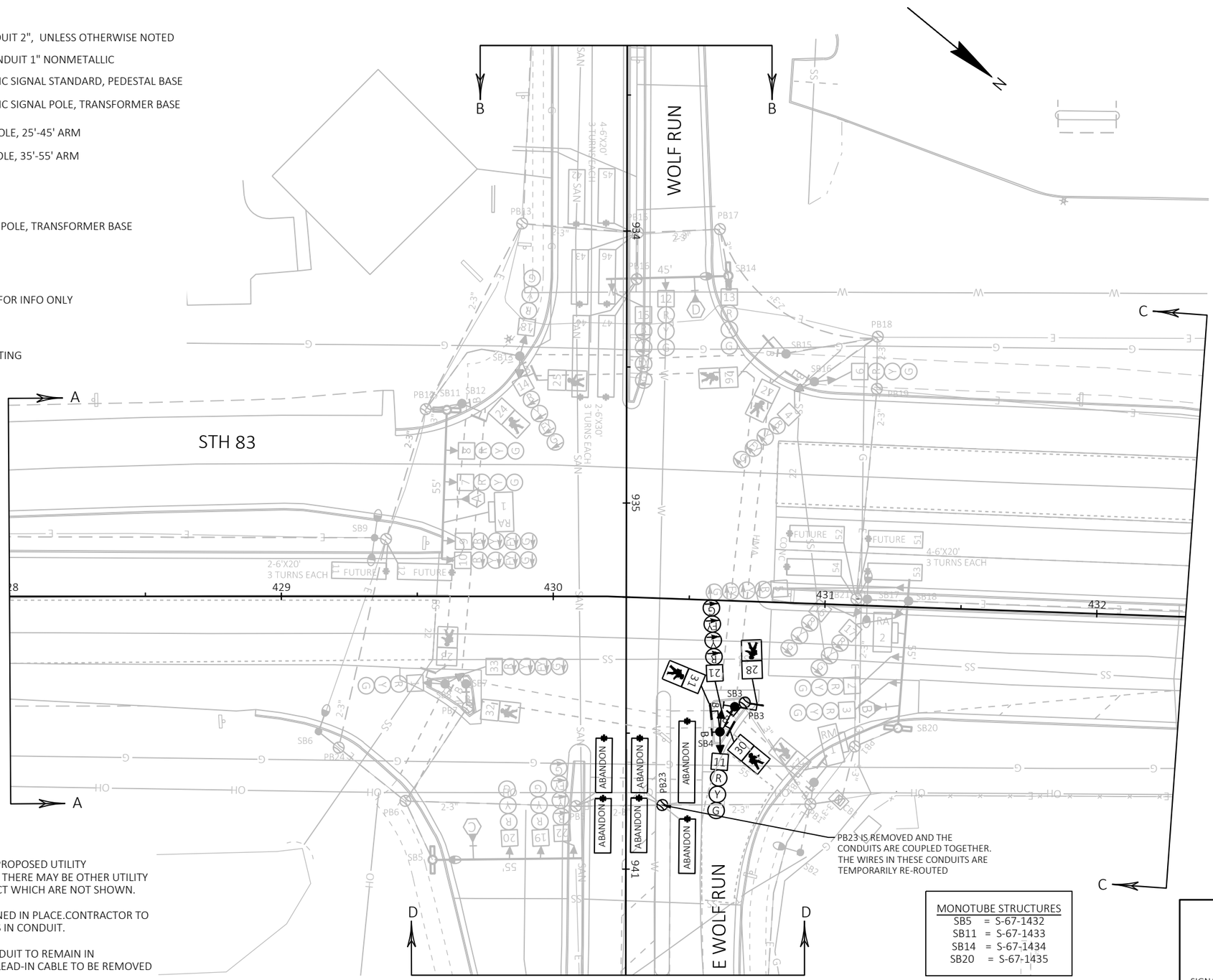
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 25'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

LEGEND (CONTD)

- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- DON'T WALK INDICATOR 16" WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. EXISTING CONDUIT TO BE ABANDONED IN PLACE.CONTRACTOR TO REMOVE REMAINING CONDUCTORS IN CONDUIT.
3. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE.LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
4. GRAYSHADE REPRESENTS EXISTING.BOLD REPRESENTS ITEMS TO BE REMOVED.

MONOTUBE STRUCTURES

SB5	= S-67-1432
SB11	= S-67-1433
SB14	= S-67-1434
SB20	= S-67-1435

TRAFFIC CONTROL SIGNAL
STH 83 & WOLF RUN
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY

SIGNAL NO. S67-0978

REGION CONTACT: D. BRANTNER
DESIGNED BY:
REVISED BY: BLOOM CONSULTANTS LLC

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WAUKESHA	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 39	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\024001_SR.DWG
LAYOUT NAME - 0240011
PLOT DATE : 10/19/2022 8:43 PM PLOT BY : AMBILY PANKAJ PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

STH 83

422 423 424 425 426 427

106' TO END OF DETECTION AREA

330' TO NEAR RIGHT SIGNAL

A

A

C

C

ARROWHEAD DR

CONC

STH 83

330' TO NEAR RIGHT SIGNAL

106' TO END OF DETECTION AREA

433 434 435 436 437

STH 83

N

TRAFFIC CONTROL SIGNAL
STH 83 & WOLF RUN
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY

SIGNAL NO. S67-0978

REGION CONTACT: D. BRANTNER
DESIGNED BY:
REVISED BY: BLOOM CONSULTANTS LLC

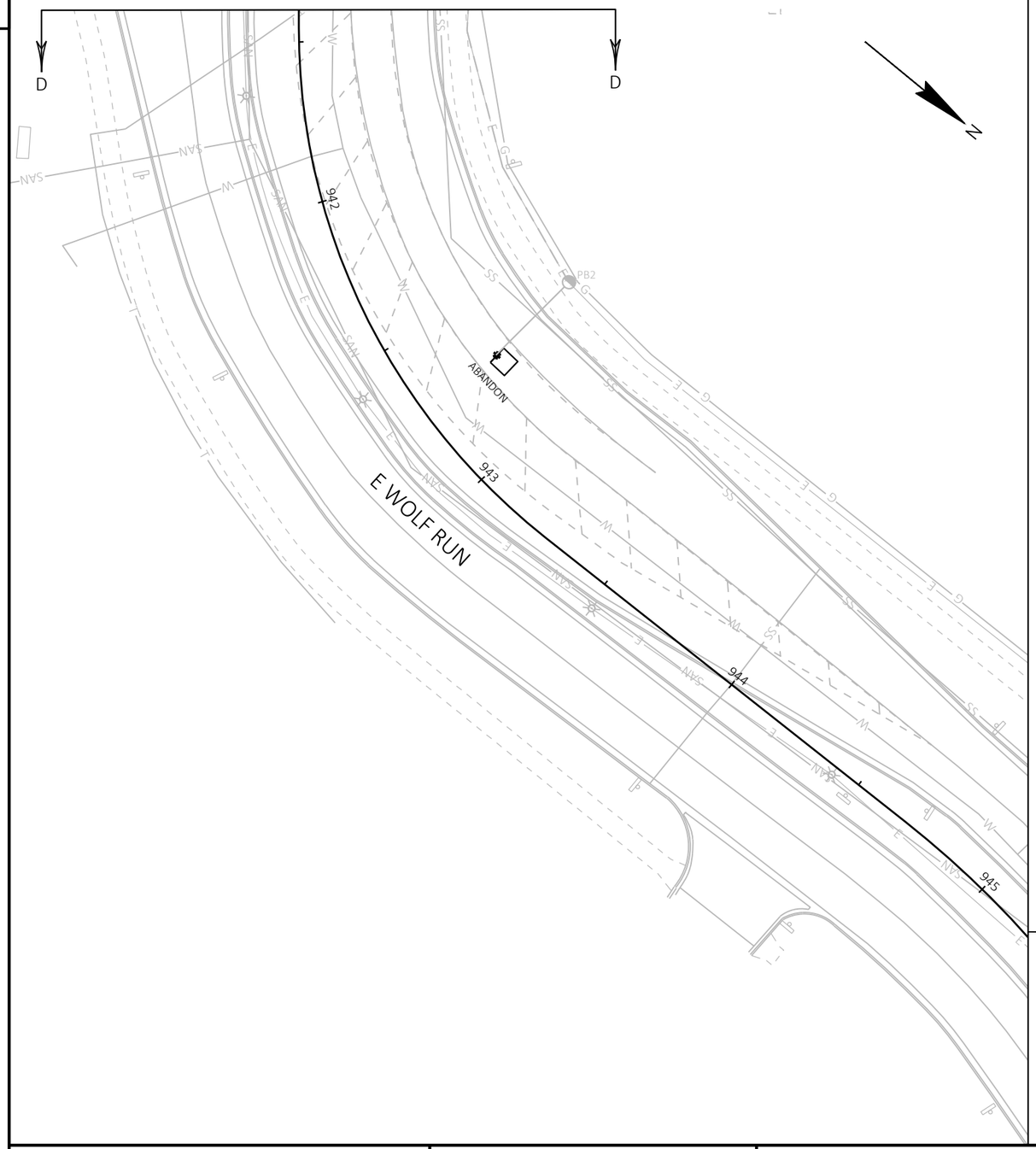
PAGE 2 OF 3

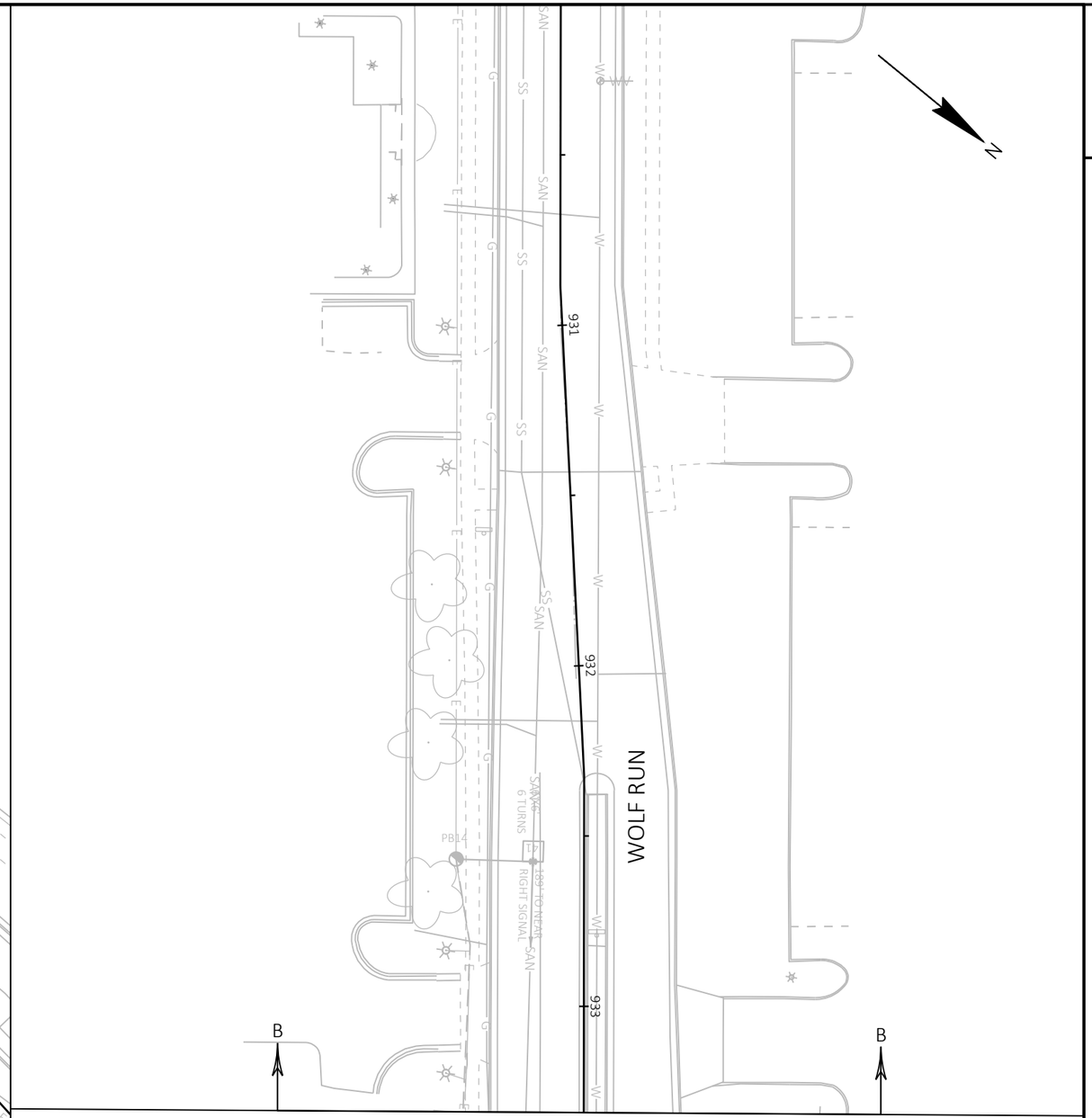
PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WAUKESHA	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 40	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\024001_SR.DWG
LAYOUT NAME - 0240012

PLOT DATE : 10/19/2022 1:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42





TRAFFIC CONTROL SIGNAL
STH 83 & WOLF RUN
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY

SIGNAL NO. S67-0978

REGION CONTACT: D. BRANTNER
DESIGNED BY:
REVISED BY: BLOOM CONSULTANTS LLC

PAGE 3 OF 3

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WAUKESHA	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 41	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\024001_SR.DWG
LAYOUT NAME - 0240013

PLOT DATE : 10/19/2022 1:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

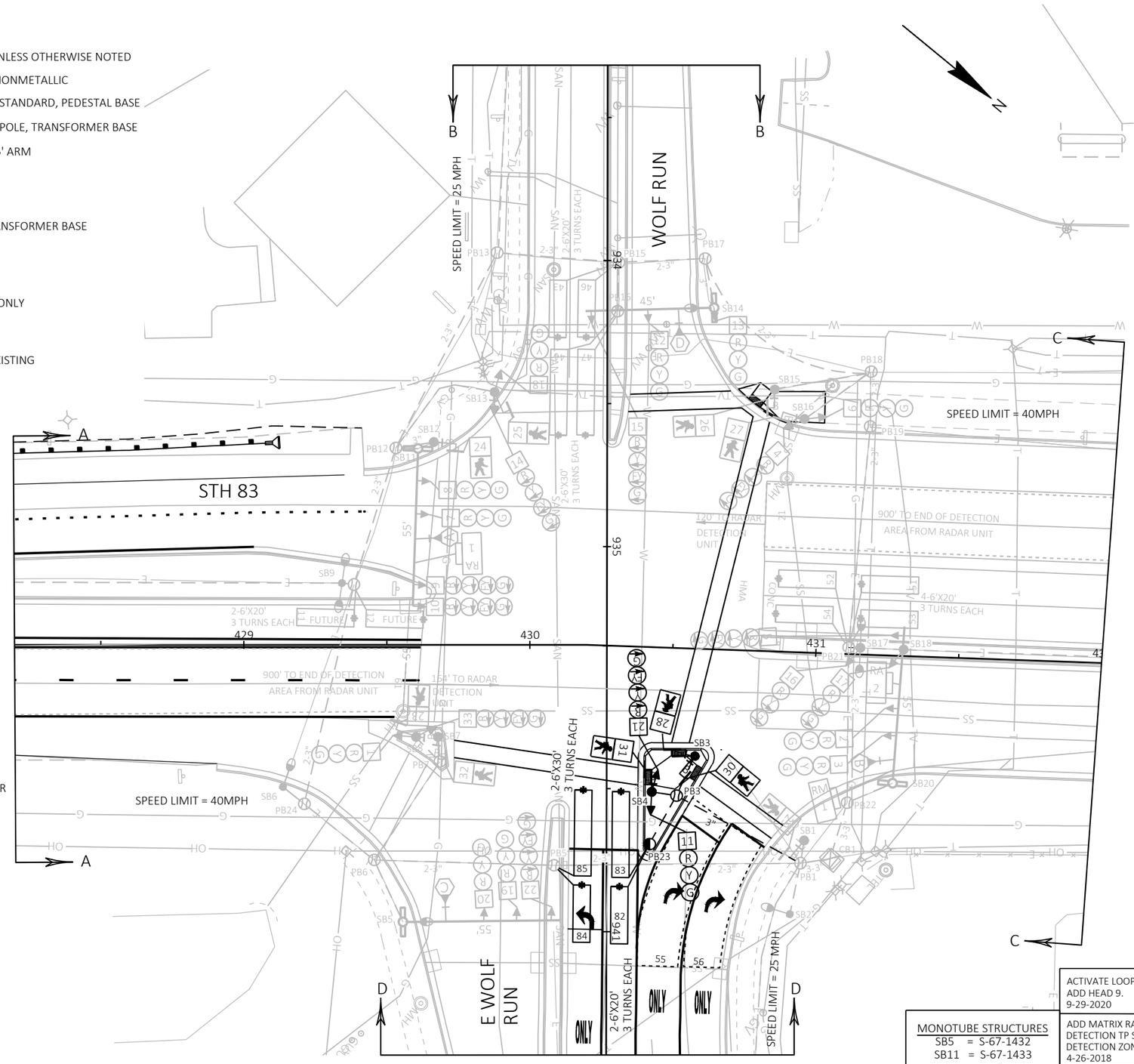
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

LEGEND (CONTD)

- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- RX / XX RADAR DETECTOR



CONSTRUCTION NOTES:
1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414)266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINARIES ARE LED-C UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO INSTALL A 14WG 12CONDUCTOR CABLE AND 20AWG 3 CONDUCTOR CABLE WITH GROUND FOR EVP ROUTED ACROSS THE N,S AND W LEGS OF THE INTERSECTION FOR SB5.
6. CONTRACTOR TO INSTALL A 14AWG 15CONDUCTOR CABLE ROUTED ACROSS THE N,S AND W LEGS OF THE INTERSECTION FOR SB8.ELECTRICAL FIELD UNIT TO INSTALL A 14AWG 5 CONDUCTOR CABLE FROM SB8 TO SB7.
7. CONTRACTOR TO INSTALL A 14AWG 12CONDUCTOR CABLE,20AWG 3CONDUCTOR CABLE WITH GROUND FOR EVP AND MATRIX ADVANCED CABLE ROUTED ACROSS THE N AND W LEGS OF THE INTERSECTION FOR SB11.
8. CONTRACTOR TO INSTALL A 14AWG 7CONDUCTOR CABLE ROUTED ACROSS THE N AND W LEGS OF THE INTERSECTION FOR SB12.
9. CONTRACTOR TO INSTALL A 14AWG 15CONDUCTOR CABLE ROUTED ACROSS THE N AND W LEGS OF THE INTERSECTION FOR SB13.
10. CONTRACTOR TO INSTALL A 12 / 2 UF CABLE BETWEEN SB9 AND SB14.

2

MONOTUBE STRUCTURES
- SB5 = S-67-1432
- SB11 = S-67-1433
- SB14 = S-67-1434
- SB20 = S-67-1435

ACTIVATE LOOPS 51&52; ADD HEAD 9. 9-29-2020

ADD MATRIX RADAR DETECTION TP SB20; ADD DETECTION ZONE 55 4-26-2018

INITIAL INSTALLATION 5-15-2017

REVISION				
REV. NO.	ADD ADDITIONAL WB RIGHT TURN LANE. RECONSTRUCT WB RIGHT TURN CHANNELIZING ISLAND.			
	APPROVAL RECOMMENDED		APPROVED	
3	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY

TRAFFIC CONTROL SIGNAL
STH 83 & WOLF RUN
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY

SIGNAL NO. S-67-0978
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER

APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: D. BRANTNER
DESIGNED BY:
REVISED BY: BLOOM CONSULTANTS LLC

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET 42	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\024201_SP.DWG
LAYOUT NAME - 0242011
PLOT DATE : 10/19/2022 1:01 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

STH 83

SPEED LIMIT = 40MPH

900' TO END OF DETECTION
AREA FROM RADAR UNIT

ARROWHEAD DR

SPEED LIMIT = 40MPH

STH 83

900' TO END OF DETECTION
AREA FROM RADAR UNIT

STH 83

TRAFFIC CONTROL SIGNAL
STH 83 & WOLF RUN
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY

SIGNAL NO. S-67-0978

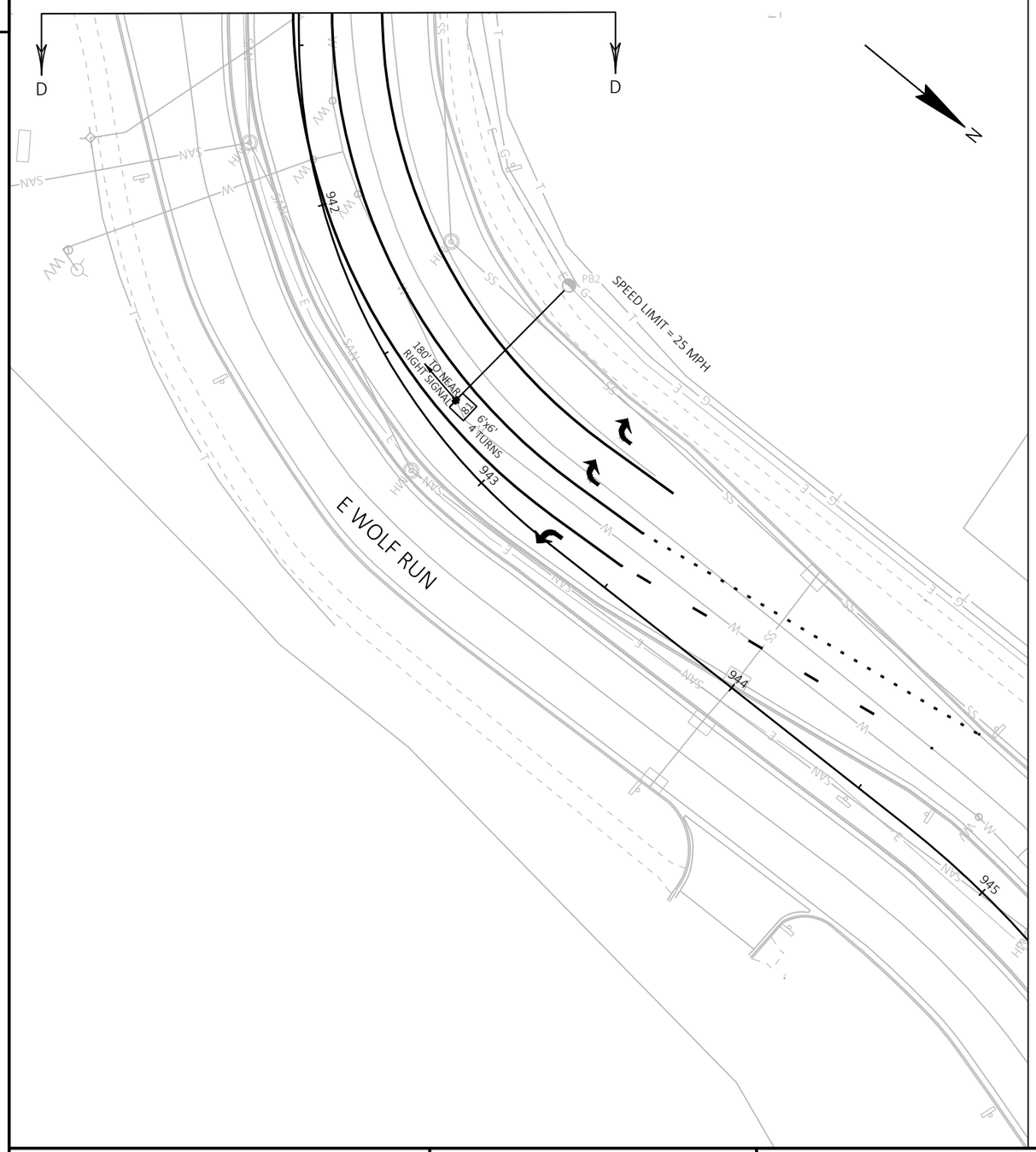
REGION CONTACT: D.BRANTNER
DESIGNED BY:
REVISED BY: BLOOM CONSULTANTS LLC

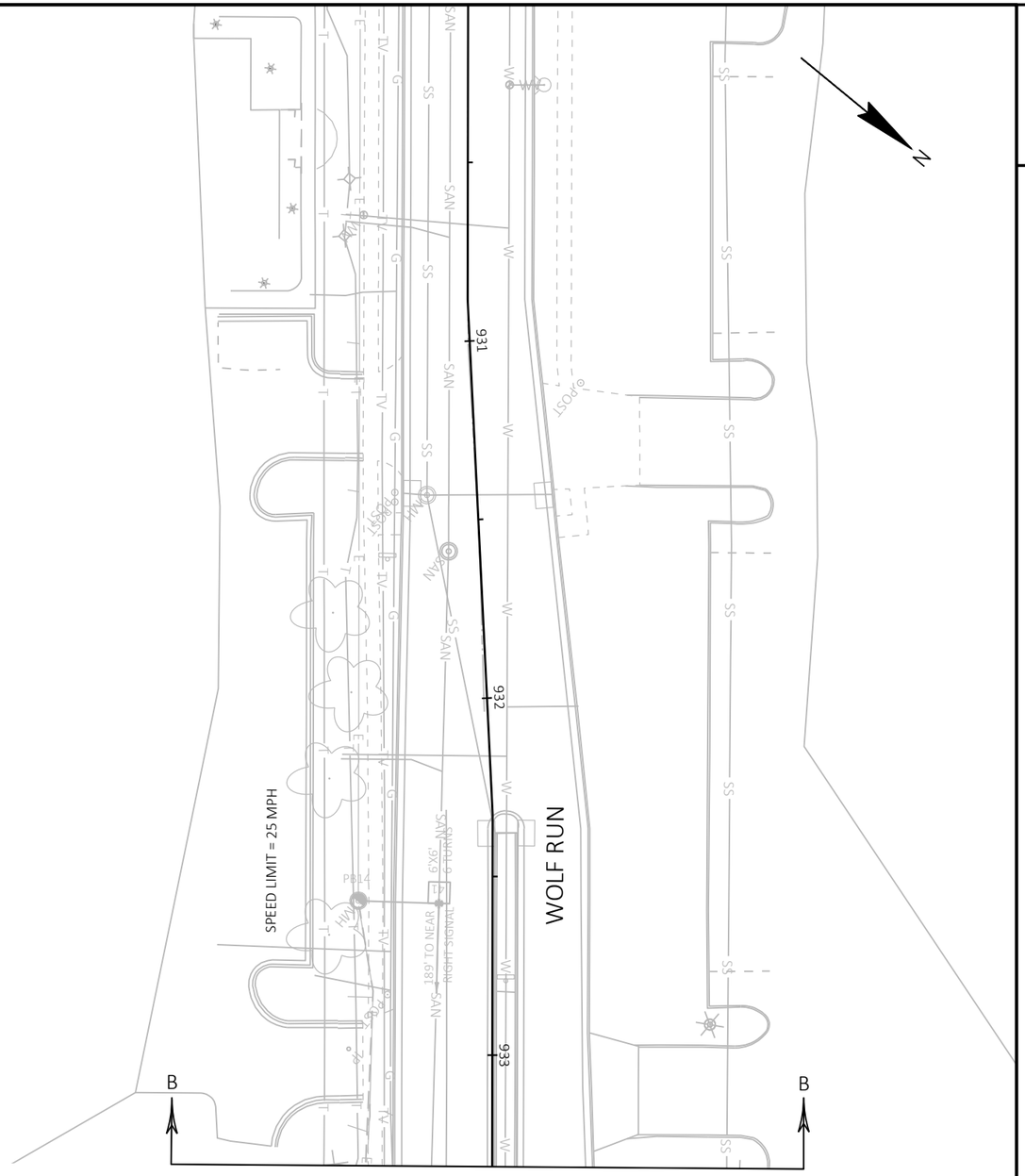
PAGE 2 OF 4

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET 43	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\024201_SP.DWG
LAYOUT NAME - 0242012

PLOT DATE : 10/19/2022 1:01 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT





TRAFFIC CONTROL SIGNAL
STH 83 & WOLF RUN
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY

SIGNAL NO. S-67-0978

REGION CONTACT: D.BRANTNER
DESIGNED BY:
REVISED BY: BLOOM CONSULTANTS LLC

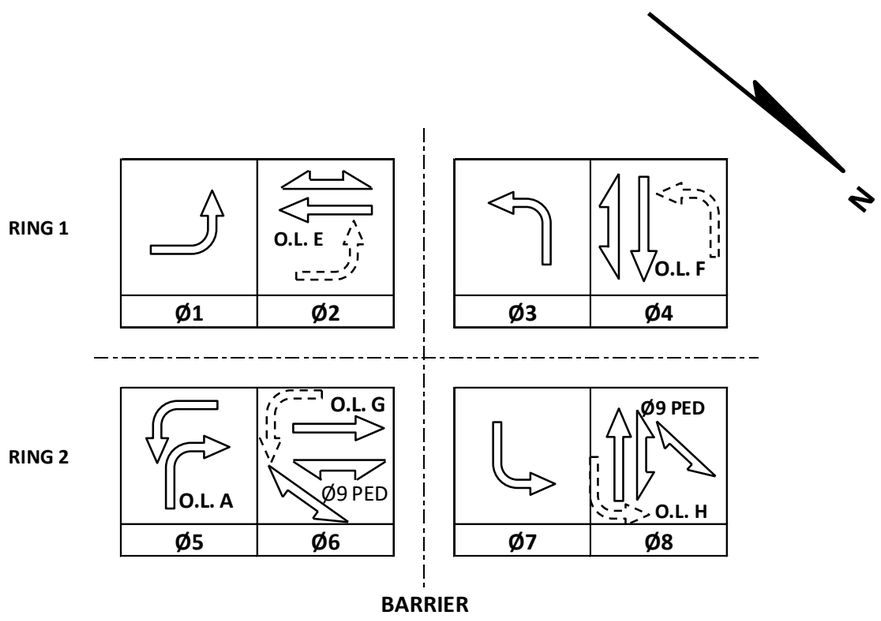
PAGE 3 OF 4

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WAUKESHA	TRAFFIC SIGNAL PLAN	SHEET 44	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\024201_SP.DWG
LAYOUT NAME - 0242013

PLOT DATE : 10/19/2022 1:01 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3	14,15	R ←
Ø4	18,19,20	R
Ø5	9,10,33	R ←
Ø6	1,2,3	R
Ø7	21,22	R ←
Ø8	11,12,13	R
Ø2P	25,26	
Ø4P	23,24	
Ø6P	31,32	
Ø8P	27,28	
Ø9P	29,30	
OLA	16,17	R
OLE	4,5	-
OLF	14,15	-
OLG	9,10,33	-
OLH	21,22	-



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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 67-0047

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	41	44	47	52	54	82	84
CALLED PHASE	FUTURE	4	4	4	5	5	8	8
CALL OPTION			X	X	X	X	X	X
DELAY TIME			X					
EXTENTION OPTION		X	X	X	X	X	X	X
EXTEND TIME		X						
USE ADDED INITIAL								
CROSS SWITCH PHASE								

19	17	23	21	27	33	37	29	DETECTOR INPUT
					21	55		PLAN LOOP DETECTOR*(S)
					2	5		CALLED PHASE
					X	X		CALL OPTION
						X		DELAY TIME
					X	X		EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	43	46	51	53	81	83	85
CALLED PHASE	FUTURE	4	4	5	5	8	8	8
CALL OPTION		X	X	X	X		X	X
DELAY TIME								
EXTENTION OPTION		X	X	X	X	X	X	X
EXTEND TIME						X		
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	34	38	30	DETECTOR INPUT
					61	56		PLAN LOOP DETECTOR*(S)
					6	5		CALLED PHASE
					X	X		CALL OPTION
						X		DELAY TIME
					X	X		EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

GENERAL NOTES:

1. PHASE 9 PED OPERATES IN RING 4 (NOT SHOWN)

STH 83 & WOLF RUN
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY

SIGNAL NO: S-67-0978	CABINET TYPE: TS2-E
	CONTROLLER TYPE: ECONOLITE
DATE: 10/2022	PAGE NUMBER: 4 OF 4

PROJECT NO: 1300-09-71
INTERSECTION: STH 83 & WOLF RUN

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

CB TO	# OF COND.	HEAD NO.	SIGNAL INDICATION COLOR									PED BUTTON	PED BUTTON 2
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	D/WALK	WALK		
SB1	12	29								BLK	BLU		
		B										WHT/BLK	BLU/BLK
SB3	15	28								BLK	BLU		
		30								BLK/WHT	BLU/WHT		
		B(OLB)										WHT/BLK	BLU/BLK
		B(PHASE 6)										RED/WHT	GRN/WHT
SB4	15	11	RED/BLK	ORG/BLK	GREEN/BLK								
		21				RED	ORG	BLK/WHT	GREEN				
		31								BLK	BLU		
		B										WHT/BLK	BLU/BLK
SB5	12	19	RED	ORG	GRN								
		20	RED	ORG	GRN								
		22				RED/BLK	ORG/BLK	BLK/WHT	GREEN/BLK				
SB7	12	32								BLK	BLU		
		B										WHT/BLK	BLU/BLK
SB8	15	1	RED	ORG	GRN								
		9				RED/BLK	ORG/BLK	BLK/WHT	GREEN/BLK				
		23								BLK	BLU		
		B										WHT/BLK	BLU/BLK
SB11	12	7	RED	ORG	GRN								
		8	RED	ORG	GRN								
		10				RED/BLK	ORG/BLK	BLK/WHT	GREEN/BLK				
SB12	12	24								BLK	BLU		
		B										WHT/BLK	BLU/BLK
SB13	15	14				RED/BLK	ORG/BLK	BLK/WHT	GREEN/BLK				
		18	RED	ORG	GRN								
		25								BLK	BLU		
		B										WHT/BLK	BLU/BLK
SB14	12	12	RED	ORG	GRN								
		13	RED	ORG	GRN								
		15				RED/BLK	ORG/BLK	BLK/WHT	GREEN/BLK				
SB15	12	26								BLK	BLU		
		B										WHT/BLK	BLU/BLK
SB16	15	4				RED	ORG	BLK/WHT	GRN				
		6	RED/BLK	ORG/BLK	GREEN/BLK								
		27								BLK	BLU		
		B										WHT/BLK	BLU/BLK
SB17	7	16	RED				ORG		GRN				
SB18	7	17	RED				ORG		GRN				
SB20	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		5				RED/BLK	ORG/BLK	BLK/WHT	GREEN/BLK				

EXISTING CABLING TO REMAIN

PAGE 1 OF 2

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WAUKESHA	CABLE ROUTING	SHEET NO: 46	E

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN	
FROM	TO
CB1	SB1
SB1	SB3
SB3	SB4
SB4	SB5
SB5	SB7
SB7	SB8
SB8	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	SB17
SB17	SB18
SB18	SB20
SB20	CB1

EMERGENCY VEHICLE	
FROM	TO
CB1	SB11 (HEAD 'A')
CB1	SB20 (HEAD 'B')
CB1	SB5(HEAD 'C')
CB1	SB14 (HEAD 'D')

LIGHTING UF AWG W/GROUND	
FROM	TO
CB1	SB4
SB4	SB7
SB7	SB11
SB11	SB14
SB14	CB1

EXISTING CABLING TO REMAIN

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
CB1	PB1
SB3	PB3
PB3	PB23
SB4	PB3
SB5	PB5
SB5	PB6
SB7	PB7
SB5	PB24
SB11	PB11
SB11	PB12
SB11	PB13
SB14	PB15
SB14	PB17
SB16	PB18
SB16	PB19
SB17	PB21
SB20	PB22

RADAR DETECTION CABLE	
FROM	TO
CB1	SB11(RA1)
CB1	SB20(RA2)
CB1	SB20(RM1)

NOTES:

1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND TRHE POLE CABLES AREBOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES,CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART.
4. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
5. "OTHER" COLUMN MAY INCLUDE SHADOW BOX(BLANK OUT) SIGN.

2

BEGIN PROJECT ID 1300-09-71
STA 383+59.60 R/L STH 83

SEE PROJECT 1300-09-70

STH 83

R/L STH 83

MATCH LINE STA 395+00

380 381 382 383 384 385 386 387 388 389 390 391 392 393 394

+84 +87 +01 +36 +17

25' TYP 25' 12' 12' 12' 12' 32'

(TYP)

1B 1B 1B 7 4 2A 3A 5

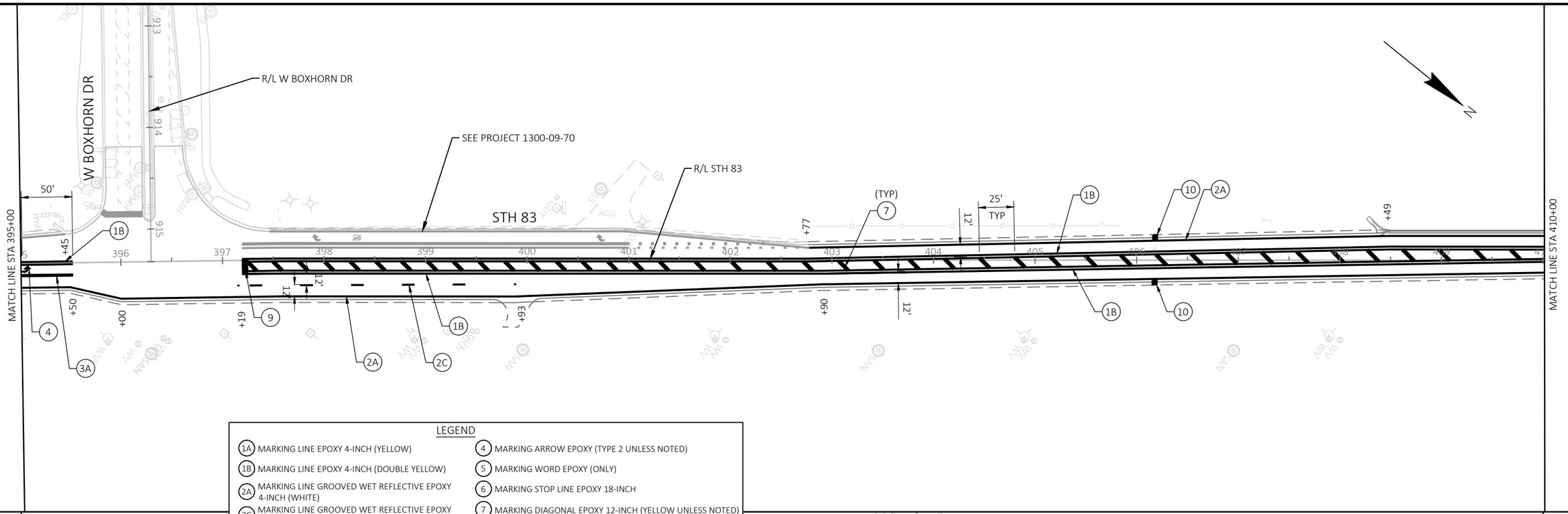
LEGEND

1A MARKING LINE EPOXY 4-INCH (YELLOW)	4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	5 MARKING WORD EPOXY (ONLY)
2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)	6 MARKING STOP LINE EPOXY 18-INCH
2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)	7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)	8 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)	9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
	10 MARKING OUTFALL EPOXY

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PAVEMENT MARKING	SHEET 48	E

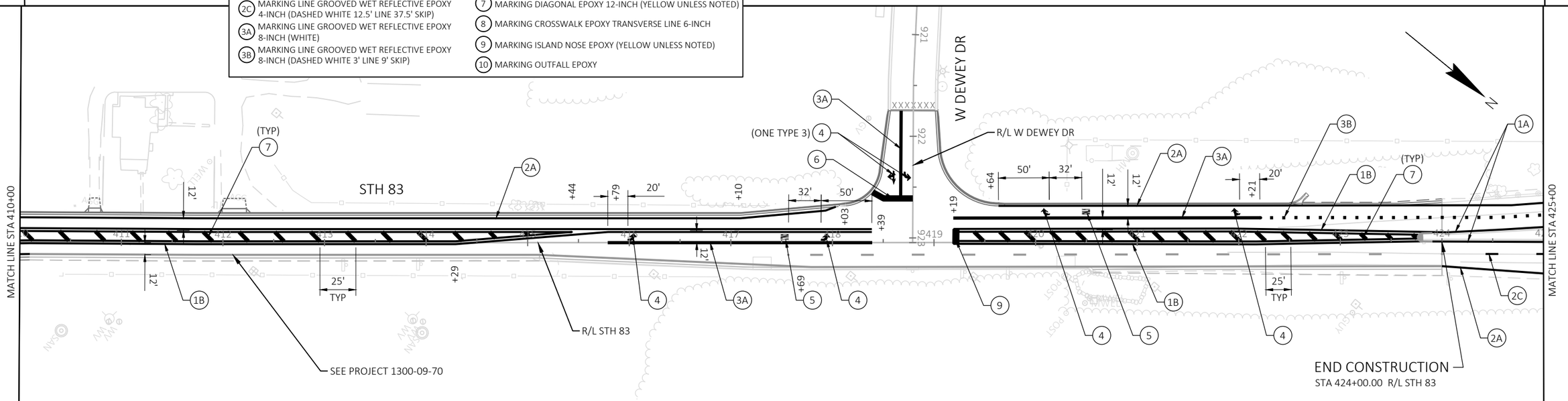
FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 01-pm_71

PLOT DATE : 10/11/2022 11:02 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT



LEGEND

- 1A MARKING LINE EPOXY 4-INCH (YELLOW)
- 1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- 2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- 2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
- 3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)
- 3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
- 4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
- 5 MARKING WORD EPOXY (ONLY)
- 6 MARKING STOP LINE EPOXY 18-INCH
- 7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
- 8 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- 9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
- 10 MARKING OUTFALL EPOXY



NOTE

- SEE SDD FOR STOP BAR POSITIONING.

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PAVEMENT MARKING	SHEET 49	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 02-pm_71
PLOT DATE : 10/11/2022 11:02 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

TRIBUTARY TO MUKWONAGO RIVER

WOLF RUN

R/L WOLF RUN

ARROWHEAD DR

N

S-67-981

STH 83

MATCH LINE STA 425+00

1A 2A 3B 8

2A 2C 3A 8 6

TYP 28' TYP 32'

12'

+42

425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440

931 932 933 934 935

ASPH CONC

R/L STH 83

END PROJECT ID 1300-09-71

STA 434+83.47 R/L STH 83

8 6 4 5

14' 16'

3A 4 3B 2C

12' 12'

+49 +69

944 945

20' TYP

R/L E WOLF RUN

E WOLF RUN

NOTE

- SEE SDD FOR STOP BAR POSITIONING.

LEGEND

1A MARKING LINE EPOXY 4-INCH (YELLOW)	4 MARKING ARROW EPOXY (TYPE 2 UNLESS NOTED)
1B MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	5 MARKING WORD EPOXY (ONLY)
2A MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)	6 MARKING STOP LINE EPOXY 18-INCH
2C MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)	7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW UNLESS NOTED)
3A MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (WHITE)	8 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
3B MARKING LINE GROOVED WET REFLECTIVE EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)	9 MARKING ISLAND NOSE EPOXY (YELLOW UNLESS NOTED)
	10 MARKING OUTFALL EPOXY

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PAVEMENT MARKING	SHEET 50	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 03-pm_71

PLOT DATE : 10/11/2022 11:02 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

GENERAL NOTES FOR TRAFFIC CONTROL

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

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER.

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

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

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

ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED AND BE EQUIPPED WITH TWO TYPE "A" LOW INTENSITY FLASHING LIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 500' IN FRONT OF THE DRUMS.

ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE ROADWAY IS RESTORED TO A SAFE OPERATING CONDITION.

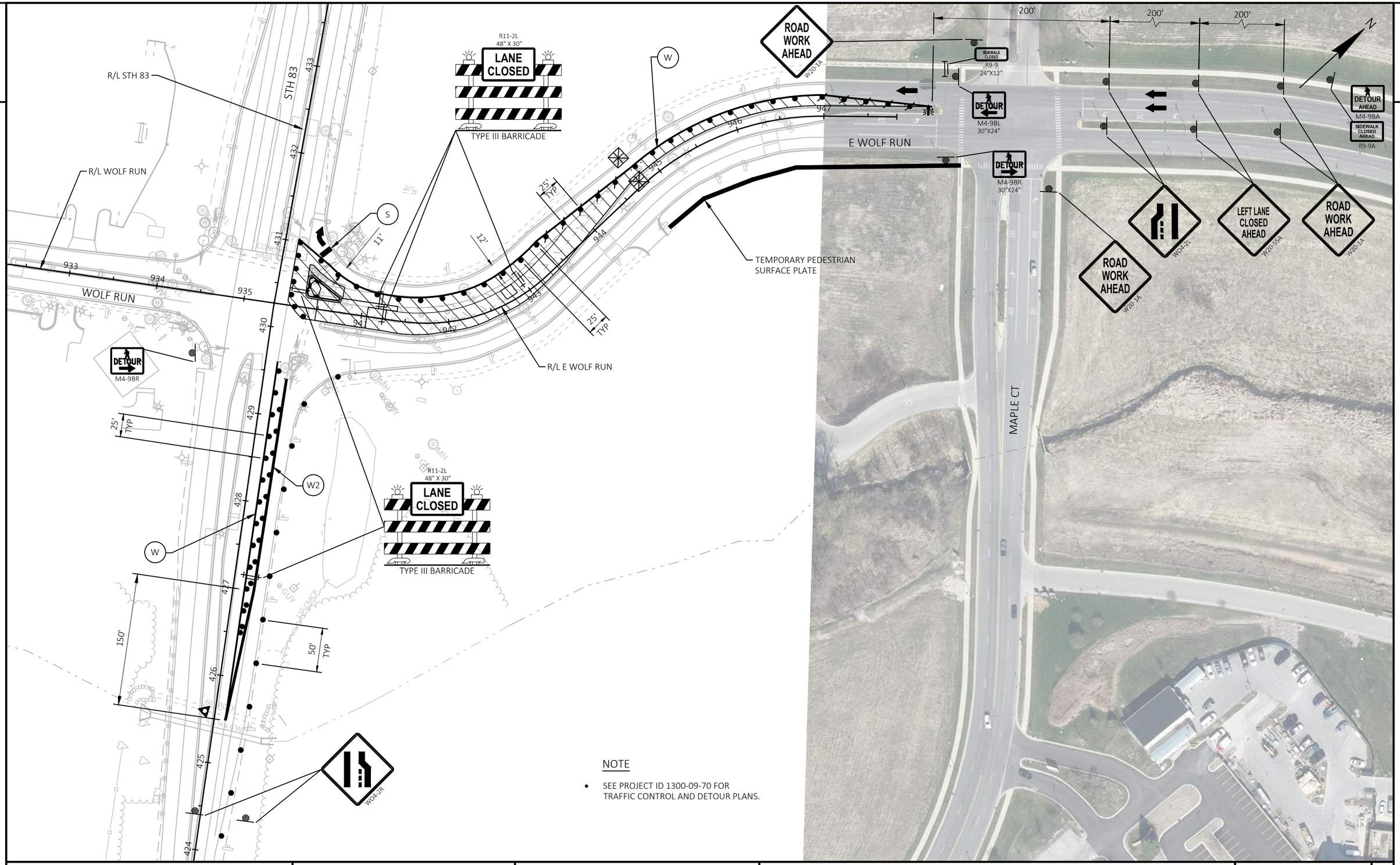
LEGEND

- TYPE II BARRICADE WITH ATTACHED SIGN
- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS
- TYPE III BARRICADE WTH ATTACHED SIGN AND TWO TYPE "A" LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- WORK AREA
- DIRECTION OF TRAFFIC

NON-STANDARD WORK ZONE TRAFFIC CONTROL SYMBOLS

- (W) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (W2) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- (S) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

2



NOTE

- SEE PROJECT ID 1300-09-70 FOR TRAFFIC CONTROL AND DETOUR PLANS.

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	TRAFFIC CONTROL - STAGE 2 DETAIL A1	SHEET 52	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\026101_S2A1-E WOLF RUN.DWG
LAYOUT NAME - 026101_s2a1-E Wolf Run
PLOT DATE : 10/2/2022 2:41 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 42

2

2

TOWNSHIP LINE

WALWORTH COUNTY LINE
RACINE COUNTY LINE

T 4 N R 18 E
1 1

T 4 N R 19 E
6 6

NW-SW
SEC 06

SE-NE
SEC 01

BEGIN PROJECT ID 1300-09-71
STA 383+59.60 R/L STH 83
Y = 226964.692
X = 499210.155

N

365
2472.39
N25°42'56"W
370
STH 83
375
380
385
390
N39°48'57"W
876.79

PC: 379+39.41

CURVE 15

PT: 388+82.72

MATCH LINE STA 392+00

R/L STH 83

STA 377+64.66 R/L STH 83 =
RACINE/WALWORTH COUNTY LINE
Y = 226439.419
X = 499488.625

NW-SW
SEC 06

NE-NE
SEC 01

PI: 384+13.46

WALWORTH COUNTY LINE
RACINE COUNTY LINE

SW-NW
SEC 06

CURVE 15
PI STA = 384+13.46
Y = 227023.959
X = 499207.109
DELTA = 14°06'01"
D = 1°29'41"
T = 474.05'
L = 943.30'
R = 3833.03'
PC STA = 379+39.41
Y = 226596.862
X = 499412.800
PT STA = 388+82.72
Y = 227388.076
X = 498903.566
BK = N25°42'56.1"W
AH = N39°48'57.5"W

NW-NW
SEC 06

TOWNSHIP LINE

T 4 N R 19 E
6 1

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	ALIGNMENT PLAN	SHEET 53	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 01-ad_71

PLOT DATE : 10/2/2022 2:09 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

CURVE 42

PI STA = 908+52.69
Y = 227583.941
X = 497868.000
DELTA = 17°52'25"
D = 28°38'52"
T = 31.45'
L = 62.39'
R = 200.00'
PC STA = 908+21.23
Y = 227563.902
X = 497843.760
PT STA = 908+83.63
Y = 227595.574
X = 497897.221
BK = N50°25'08.1"E
AH = N68°17'33.6"E

CURVE 43

PI STA = 910+62.51
Y = 227661.737
X = 498063.420
DELTA = 17°58'57"
D = 28°38'52"
T = 31.65'
L = 62.77'
R = 200.00'
PC STA = 910+30.87
Y = 227650.033
X = 498034.019
PT STA = 910+93.64
Y = 227681.947
X = 498087.772
BK = N68°17'33.6"E
AH = N50°18'37.0"E

CURVE 42
N50°25'08"E
821.23
PC: 908+21.23
PI: 908+52.69
PT: 908+83.63
N68°17'34"E
910 147.24
PC: 910+30.87
PI: 910+62.51
PT: 910+93.64
CURVE 43
NW-NE
SEC 01
R/L W BOXHORN DR
W BOXHORN DR
N50°18'37"E
438.44
915
PI: 397+59.51
Y = 228061.544
X = 498342.136
TOWNSHIP LINE
SE-SW
SEC 36
N
SW-SE
SEC 36
STA 400+23.91 R/L STH 83 =
WALWORTH/WAUKESHA COUNTY LINE
Y = 228267.010
X = 498175.826
PI: 411+73.93
Y = 229161.133
X = 497452.472
BP: 920+00.00
Y = 229319.559
X = 496765.428
R/L W DEWEY DR
145.01
N53°19'57"E
PI: 921+45.01
Y = 229606.153
X = 496881.740
W DEWEY DR
159.68
N50°59'58"E
MATCH LINE STA 392+00
876.79
N39°48'57"W
395
STH 83
400
1414.43
N38°58'33"W
405
410
415
657.32
N39°18'11"W
420
N39°23'23"W
1188.67
MATCH LINE STA 421+00
R/L STH 83
NE-NE
SEC 01
SW-SE
SEC 36
PI: 418+31.25
Y = 229669.774
X = 497036.110
STA 396+29.85 R/L STH 83 =
STA 915+32.08 R/L W BOXHORN DR
Y = 227961.950
X = 498425.161
STA 418+78.96 R/L STH 83 =
STA 923+04.69 R/L DEWEY DR
Y = 229706.645
X = 497005.835
WALWORTH COUNTY LINE
WAUKESHA COUNTY LINE
TOWNSHIP LINE
SE-SE
SEC 36
NW-SE
SEC 36

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	ALIGNMENT PLAN	SHEET 54	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 02-ad_71
PLOT DATE : 10/2/2022 2:09 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

2

N

NE-SW
SEC 36

MATCH LINE STA 421+00

88.29
N50°42'35"E

930

BP: 930+00.00
Y = 230249.874
X = 495868.578

R/L WOLF RUN

PI: 930+88.29
Y = 230305.784
X = 495936.910

144.21
N47°49'10"E

END CONSTRUCTION
STA 424+00.00 R/L STH 83
Y = 230111.372
X = 496675.242

WOLF RUN

PI: 932+32.50
Y = 230402.617
X = 496043.776

302.11
N50°42'00"E

PI: 430+19.92
Y = 230588.434
X = 496281.790

935

425 N39°23'23"W 1188.67 430

STH 83

435 1023.27 N37°22'24"W 440 779.83 N38°32'49"W 445 450 1411.38 N40°23'18"W

PI: 440+43.19
Y = 231401.624
X = 495660.659

PI: 448+23.02
Y = 232011.527
X = 495174.704

STA 430+26.89 R/L STH 83 =
STA 935+34.61 R/L WOLF RUN =
STA 940+00.00 R/L E WOLF RUN
Y = 230593.969
X = 496277.562

145.67
N50°42'00"E

PC: 941+45.67

PT: 943+26.49

R/L STH 83

END PROJECT ID 1300-09-71
STA 434+83.47 R/L STH 83
Y = 232070.157
X = 495124.826

R/L E WOLF RUN

PI: 942+42.79

CURVE 44

E WOLF RUN

N1°06'04"W
141.88

945

PI: 945+89.75

CURVE 45

PC: 944+68.37

PT: 946+99.05

N42°57'20"E
83.79

EP: 947+82.84

T 5 N
R 36 E
18

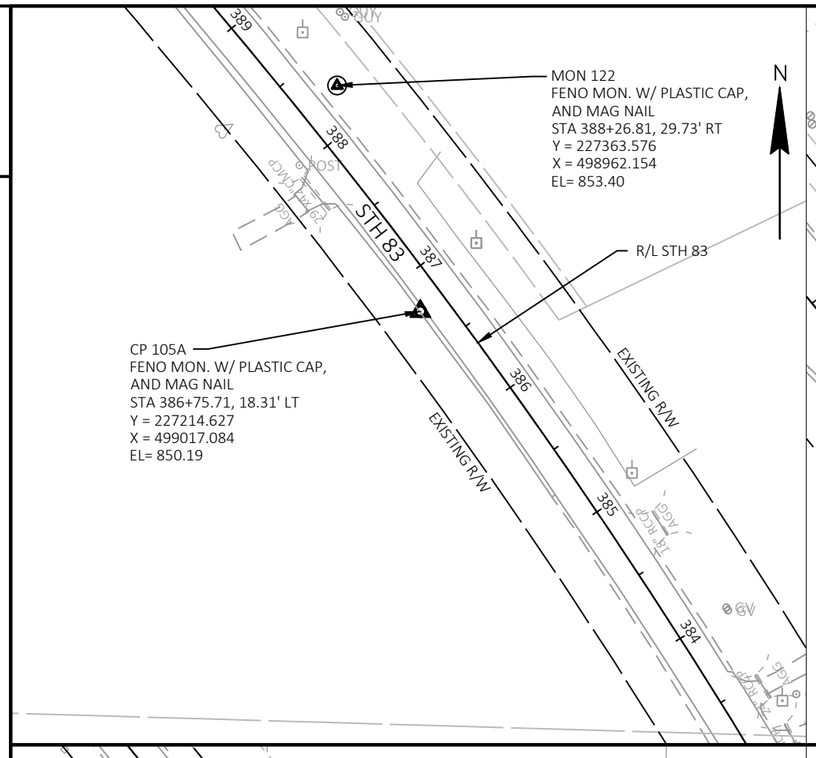
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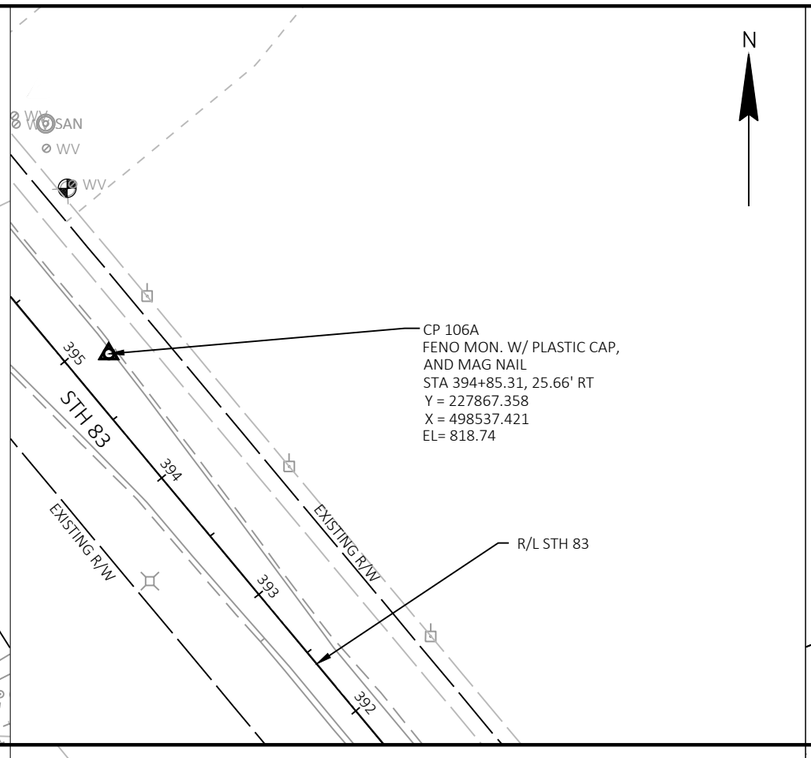
PI STA = 942+42.79
Y = 230747.747
X = 496465.442
DELTA = 51°48'04"
D = 28°38'52"
T = 97.12'
L = 180.82'
R = 200.00'
PC STA = 941+45.67
Y = 230686.235
X = 496390.289
PT STA = 943+26.49
Y = 230844.846
X = 496463.576
BK = N50°42'00.0"E
AH = N01°06'04.0"W

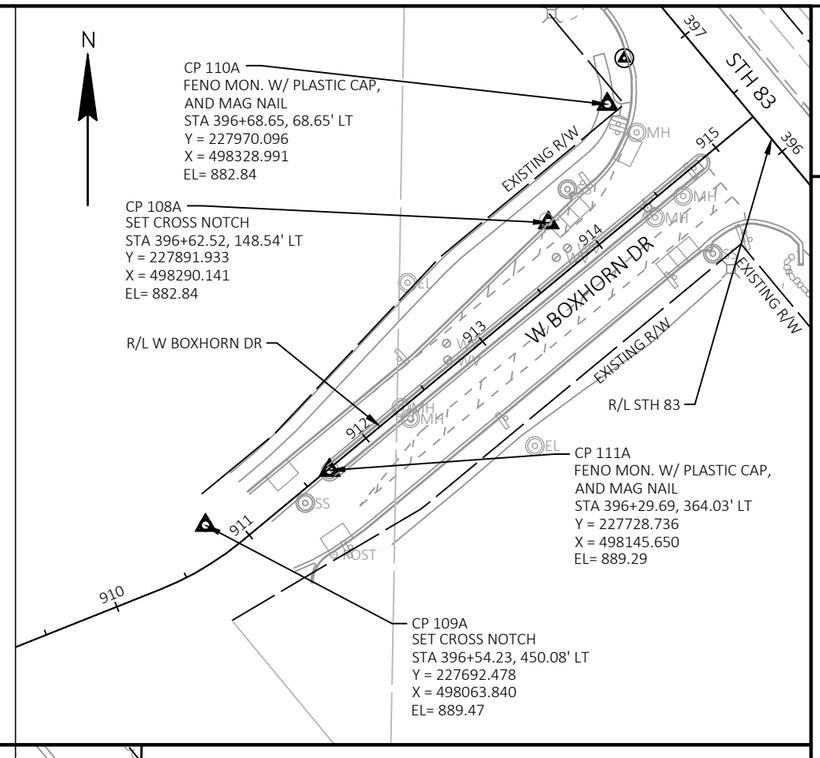
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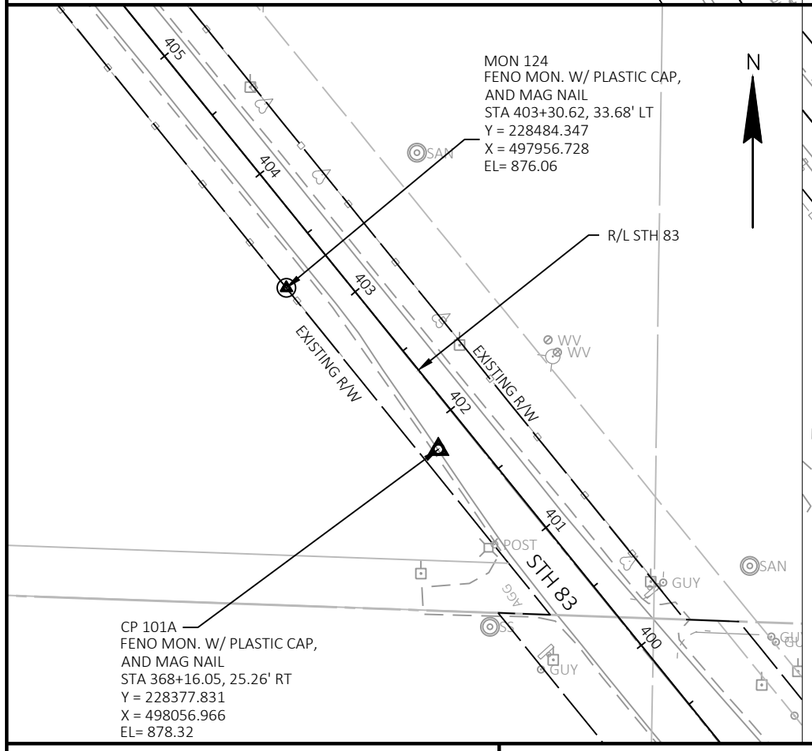
PI STA = 945+89.75
Y = 231108.057
X = 496458.517
DELTA = 44°03'23"
D = 19°05'55"
T = 121.38'
L = 230.68'
R = 300.00'
PC STA = 944+68.37
Y = 230986.700
X = 496460.849
PT STA = 946+99.05
Y = 231196.893
X = 496541.229
BK = N01°06'02.9"W
AH = N42°57'19.9"E

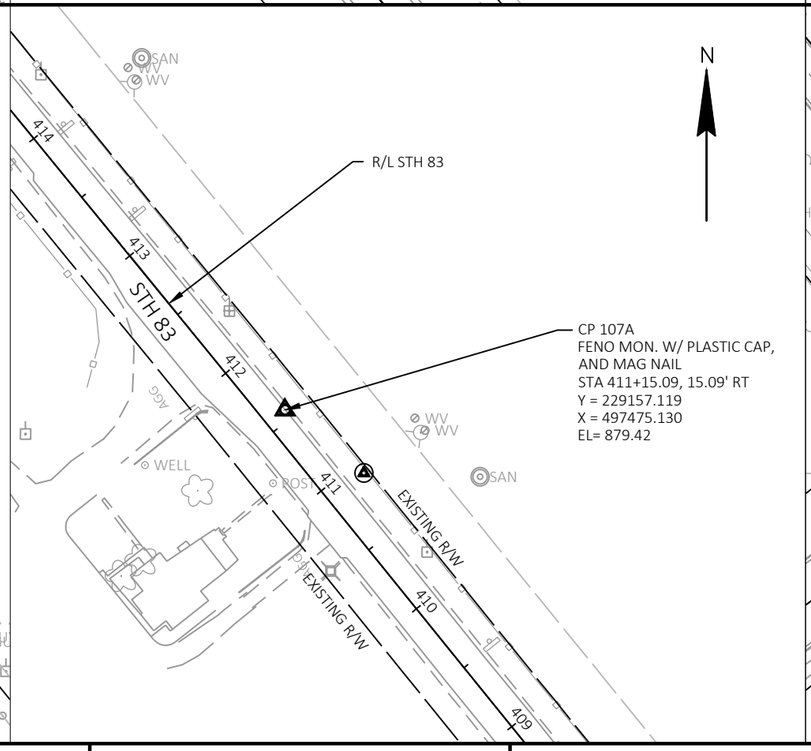
PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	ALIGNMENT PLAN	SHEET 55	E

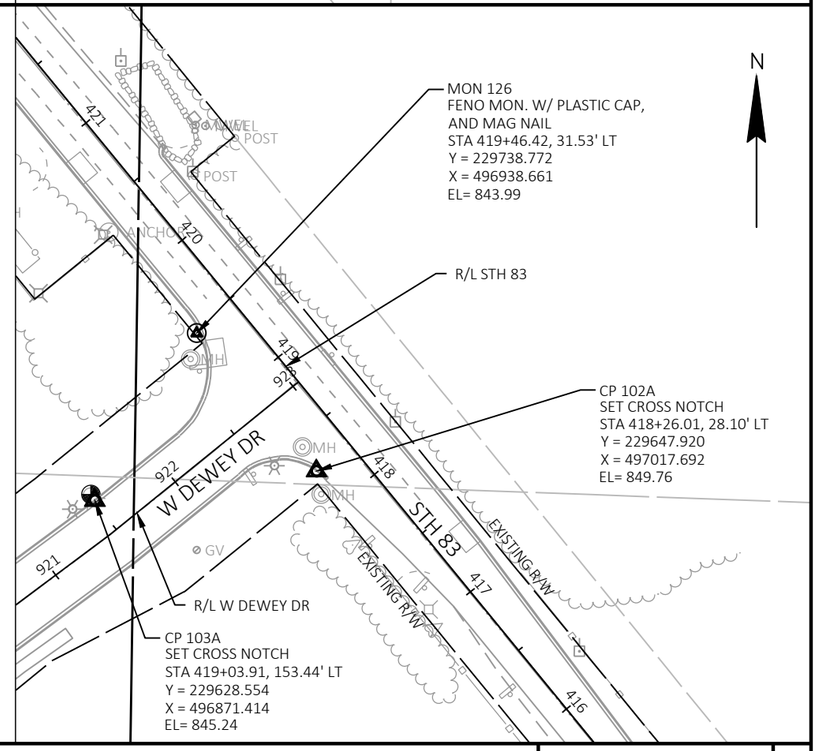






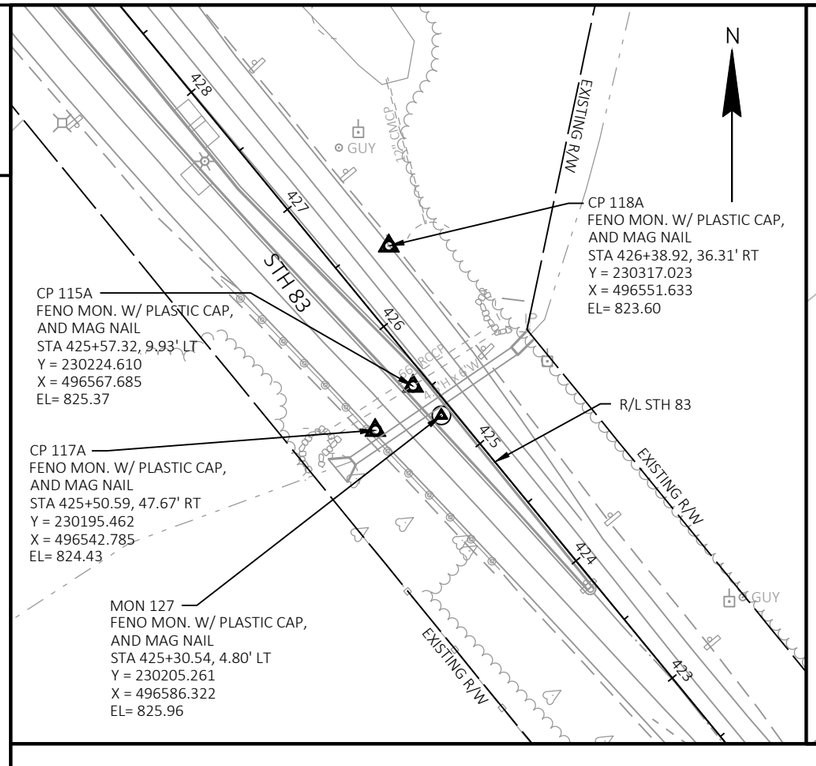


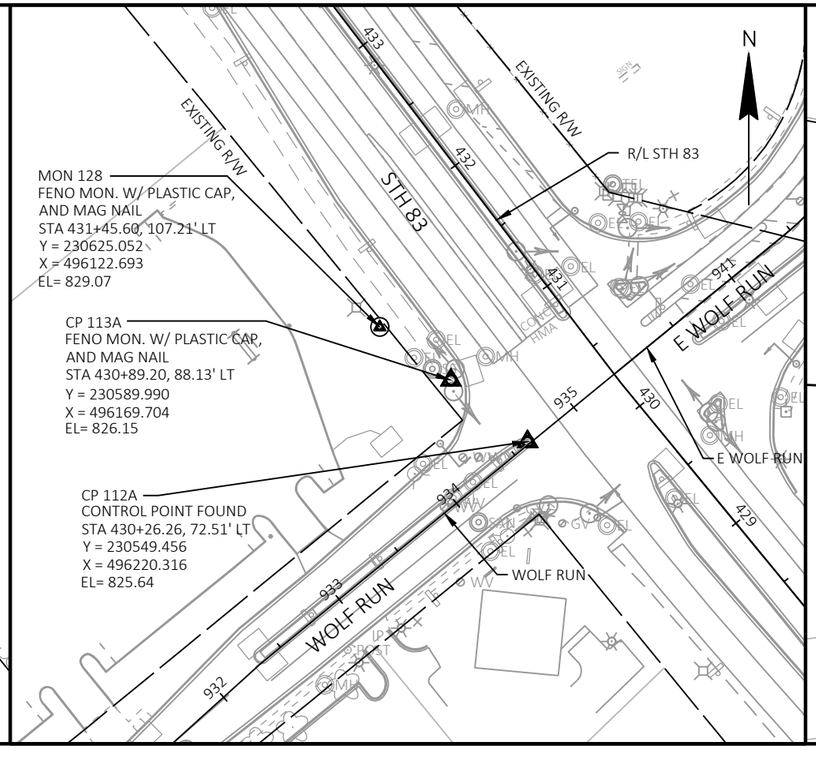


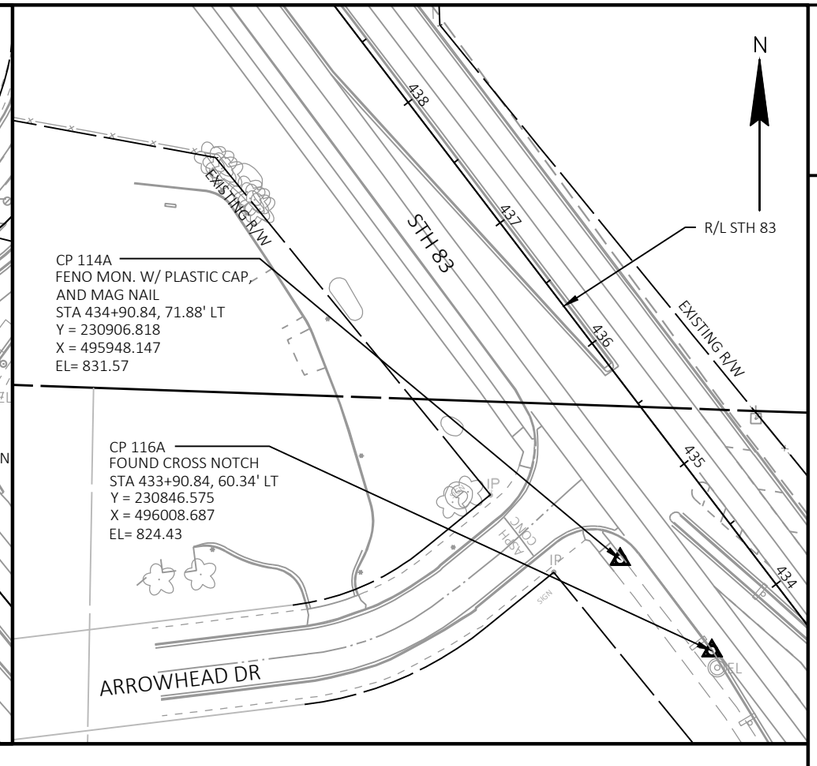


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	SURVEY CONTROL	SHEET 56	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\027210-CP.DWG
LAYOUT NAME - 05-sc
PLOT DATE : 10/2/2022 2:19 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44







2

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	SURVEY CONTROL	SHEET 57	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\027210-CP.DWG
LAYOUT NAME - 06-sc
PLOT DATE : 10/2/2022 2:19 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : ###########
WISDOT/CADDS SHEET 44

1300-09-71

Line	Item	Item Description	Unit	Total	Qty
0004	201.0105	Clearing	STA	10.000	10.000
0006	201.0120	Clearing	ID	104.000	104.000
0008	201.0205	Grubbing	STA	10.000	10.000
0010	201.0220	Grubbing	ID	104.000	104.000
0012	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000
0016	204.0110	Removing Asphaltic Surface	SY	300.000	300.000
0022	204.0150	Removing Curb & Gutter	LF	580.000	580.000
0024	204.0165	Removing Guardrail	LF	50.000	50.000
0026	204.0170	Removing Fence	LF	2,880.000	2,880.000
0030	204.0195	Removing Concrete Bases	EACH	2.000	2.000
0032	204.0210	Removing Manholes	EACH	1.000	1.000
0034	204.0220	Removing Inlets	EACH	2.000	2.000
0036	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	15.000	15.000
0038	204.0245	Removing Storm Sewer (size) 02. 18-Inch	LF	344.000	344.000
0040	204.9060.S	Removing (item description) 01. Loop Detector at Intersection of E Wolf Run & STH 83	EACH	7.000	7.000
0042	204.9060.S	Removing (item description) 02. Traffic Signal at Intersection of E Wolf Run & STH 83	EACH	1.000	1.000
0046	205.0100	Excavation Common	CY	5,720.000	5,720.000
0050	209.2500	Backfill Granular Grade 2	TON	85.000	85.000
0054	213.0100	Finishing Roadway (project) 02. 1300-09-71	EACH	1.000	1.000
0058	305.0110	Base Aggregate Dense 3/4-Inch	TON	660.000	660.000
0060	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	7,000.000	7,000.000
0068	416.0270	Concrete Driveway HES 7-Inch	SY	20.000	20.000
0070	416.1010	Concrete Surface Drains	CY	3.000	3.000
0072	450.4000	HMA Cold Weather Paving	TON	100.000	100.000
0074	455.0605	Tack Coat	GAL	620.000	620.000
0080	460.2000	Incentive Density HMA Pavement	DOL	1,990.000	1,990.000
0082	460.6223	HMA Pavement 3 MT 58-28 S	TON	2,050.000	2,050.000
0084	460.6224	HMA Pavement 4 MT 58-28 S	TON	1,050.000	1,050.000
0098	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	2.000	2.000
0102	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	2.000	2.000
0106	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	58.000	58.000
0110	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	51.000	51.000
0118	522.0127	Culvert Pipe Reinforced Concrete Class III 27-Inch	LF	69.000	69.000
0126	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0130	522.1027	Apron Endwalls for Culvert Pipe Reinforced Concrete 27-Inch	EACH	2.000	2.000
0152	531.2042	Drilling Shaft 42-Inch	LF	18.000	18.000
0154	531.5130	Foundation Single-Shaft Type MC-III (structure) 01. S-67-981	EACH	1.000	1.000
0156	532.5130	Monotube Cantilever Type III (structure) 01. S-67-981	EACH	1.000	1.000
0158	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	1,350.000	1,350.000
0160	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	260.000	260.000
0162	602.0410	Concrete Sidewalk 5-Inch	SF	595.000	595.000
0164	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	40.000	40.000
0166	606.0200	Riprap Medium	CY	10.000	10.000
0170	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	620.000	620.000
0172	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	22.000	22.000
0178	611.0612	Inlet Covers Type C	EACH	1.000	1.000
0182	611.0627	Inlet Covers Type HM	EACH	3.000	3.000
0184	611.0630	Inlet Covers Type HM-GJ	EACH	1.000	1.000
0192	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0194	611.3004	Inlets 4-FT Diameter	EACH	1.000	1.000
0196	611.3230	Inlets 2x3-FT	EACH	3.000	3.000
0202	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	190.000	190.000
0206	614.2300	MGS Guardrail 3	LF	215.000	215.000
0212	614.2610	MGS Guardrail Terminal EAT	EACH	1.000	1.000
0218	618.0100	Maintenance And Repair of Haul Roads (project) 02. 1300-09-71	EACH	1.000	1.000
0220	619.1000	Mobilization	EACH	0.100	0.100
0222	620.0300	Concrete Median Sloped Nose	SF	12.000	12.000
0224	624.0100	Water	MGAL	175.000	175.000
0226	625.0500	Salvaged Topsoil	SY	10,810.000	10,810.000
0228	627.0200	Mulching	SY	7,420.000	7,420.000
0230	628.1104	Erosion Bales	EACH	50.000	50.000
0232	628.1504	Silt Fence	LF	1,400.000	1,400.000
0234	628.1520	Silt Fence Maintenance	LF	2,100.000	2,100.000
0236	628.1530.S	Silt Fence Heavy Duty	LF	855.000	855.000
0238	628.1535.S	Silt Fence Heavy Duty Maintenance	LF	1,285.000	1,285.000
0240	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0242	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0244	628.2004	Erosion Mat Class I Type B	SY	3,300.000	3,300.000
0246	628.2023	Erosion Mat Class II Type B	SY	600.000	600.000
0252	628.7010	Inlet Protection Type B	EACH	2.000	2.000
0254	628.7015	Inlet Protection Type C	EACH	30.000	30.000
0260	628.7555	Culvert Pipe Checks	EACH	20.000	20.000
0264	628.7570	Rock Bags	EACH	50.000	50.000
0266	629.0210	Fertilizer Type B	CWT	6.750	6.750
0268	630.0120	Seeding Mixture No. 20	LB	500.000	500.000
0270	630.0200	Seeding Temporary	LB	85.000	85.000
0272	630.0500	Seed Water	MGAL	305.000	305.000
0274	633.5200	Markers Culvert End	EACH	2.000	2.000
0276	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	23.000	23.000
0278	637.0620	Sign Flags Permanent Type II	EACH	2.000	2.000
0280	637.1220	Signs Type I Reflective SH	SF	28.000	28.000
0282	637.2210	Signs Type II Reflective H	SF	83.430	83.430
0284	637.2215	Signs Type II Reflective H Folding	SF	5.180	5.180
0286	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0288	638.2102	Moving Signs Type II	EACH	9.000	9.000
0290	638.2602	Removing Signs Type II	EACH	12.000	12.000
0292	638.3000	Removing Small Sign Supports	EACH	18.000	18.000
0296	643.0300	Traffic Control Drums	DAY	1,800.000	1,800.000
0298	643.0410	Traffic Control Barricades Type II	DAY	20.000	20.000
0300	643.0420	Traffic Control Barricades Type III	DAY	240.000	240.000
0302	643.0705	Traffic Control Warning Lights Type A	DAY	480.000	480.000
0304	643.0715	Traffic Control Warning Lights Type C	DAY	600.000	600.000
0306	643.0800	Traffic Control Arrow Boards	DAY	20.000	20.000
0308	643.0900	Traffic Control Signs	DAY	400.000	400.000
0312	643.0920	Traffic Control Covering Signs Type II	EACH	2.000	2.000
0320	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	700.000	700.000
0322	643.3250	Temporary Marking Line Removable Tape 8-Inch	LF	415.000	415.000
0328	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	15.000	15.000

1300-09-71

Line	Item	Item Description	Unit	Total	Qty
0330	643.5000	Traffic Control	EACH	0.100	0.100
0332	644.1430	Temporary Pedestrian Surface Plate	SF	1,400.000	1,400.000
0336	645.0120	Geotextile Type HR	SY	70.000	70.000
0338	646.1020	Marking Line Epoxy 4-Inch	LF	13,140.000	13,140.000
0340	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	7,070.000	7,070.000
0342	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	2,990.000	2,990.000
0346	646.5020	Marking Arrow Epoxy	EACH	14.000	14.000
0348	646.5120	Marking Word Epoxy	EACH	6.000	6.000
0350	646.5520	Marking Outfall Epoxy	EACH	2.000	2.000
0352	646.6120	Marking Stop Line Epoxy 18-Inch	LF	100.000	100.000
0354	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	20,180.000	20,180.000
0356	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	2,100.000	2,100.000
0358	646.7120	Marking Diagonal Epoxy 12-Inch	LF	1,200.000	1,200.000
0360	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	520.000	520.000
0364	646.8220	Marking Island Nose Epoxy	EACH	2.000	2.000
0370	650.4000	Construction Staking Storm Sewer	EACH	5.000	5.000
0372	650.4500	Construction Staking Subgrade	LF	4,760.000	4,760.000
0374	650.5000	Construction Staking Base	LF	4,760.000	4,760.000
0376	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,610.000	1,610.000
0378	650.6000	Construction Staking Pipe Culverts	EACH	3.000	3.000
0382	650.9000	Construction Staking Curb Ramps	EACH	4.000	4.000
0386	650.9911	Construction Staking Supplemental Control (project) 02. 1300-09-71	EACH	1.000	1.000
0388	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	45.000	45.000
0394	652.0615	Conduit Special 3-Inch	LF	50.000	50.000
0396	652.0800	Conduit Loop Detector	LF	371.000	371.000
0398	653.0135	Pull Boxes Steel 24x36-Inch	EACH	1.000	1.000
0400	653.0140	Pull Boxes Steel 24x42-Inch	EACH	1.000	1.000
0402	653.0905	Removing Pull Boxes	EACH	2.000	2.000
0404	654.0101	Concrete Bases Type 1	EACH	2.000	2.000
0408	655.0230	Cable Traffic Signal 5-14 AWG	LF	150.000	150.000
0410	655.0240	Cable Traffic Signal 7-14 AWG	LF	760.000	760.000
0412	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,162.000	1,162.000
0414	655.0270	Cable Traffic Signal 15-14 AWG	LF	1,347.000	1,347.000
0416	655.0305	Cable Type UF 2-12 AWG Grounded	LF	304.000	304.000
0420	655.0410	Communication Cable Installed in Conduit	LF	1,028.000	1,028.000
0422	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	450.000	450.000
0426	655.0700	Loop Detector Lead In Cable	LF	516.000	516.000
0428	655.0800	Loop Detector Wire	LF	941.000	941.000
0430	655.0900	Traffic Signal EVP Detector Cable	LF	1,028.000	1,028.000
0434	657.0100	Pedestal Bases	EACH	2.000	2.000
0440	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	1.000	1.000
0442	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	1.000	1.000
0448	658.0173	Traffic Signal Face 3S 12-Inch	EACH	1.000	1.000
0450	658.0174	Traffic Signal Face 4S 12-Inch	EACH	1.000	1.000
0452	658.0416	Pedestrian Signal Face 16-Inch	EACH	3.000	3.000
0454	658.0500	Pedestrian Push Buttons	EACH	3.000	3.000
0458	658.5070	Signal Mounting Hardware (location) 02. STH 83 & E Wolf Run	EACH	1.000	1.000
0462	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	5.000	5.000
0464	690.0150	Sawing Asphalt	LF	265.000	265.000

1300-09-71

Line	Item	Item Description	Unit	Total	Qty
0466	690.0250	Sawing Concrete	LF	4,805.000	4,805.000
0468	740.0440	Incentive IRI Ride	DOL	570.000	570.000
0488	SPV.0090	Special 02. Sawing Concrete Curb Head	LF	6.000	6.000

3

CLEARING AND GRUBBING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0010	STH 83								
		385+00	-	388+00	RT	3	--	3	--
			400+48		RT	--	30	--	30
			402+50		RT	--	36	--	36
			403+74		RT	--	8	--	8
			404+34		RT	--	30	--	30
		407+00	-	409+00	LT	2	--	2	--
		414+50	-	415+50	LT	1	--	1	--
		419+25	-	423+25	LT	4	--	4	--
					TOTAL 0010	10	104	10	104

REMOVING SMALL PIPE CULVERTS

CATEGORY	ROADWAY	STATION	OFFSET	DESCRIPTION	203.0100 EACH	REMARKS
0010	STH 83					
		385+00	RT		1	DRIVEWAY
		397+00	RT		1	DRIVEWAY
		406+18	LT/RT	24" CPRC	1	
				TOTAL 0010	3	

REMOVING ASPHALTIC SURFACE

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	204.0110 SY
0010	E WOLF RUN					
		940+00	-	941+50	LT	300
					TOTAL 0010	300

REMOVING DRAINAGE ITEMS

CATEGORY	ROADWAY	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
0010	STH 83								
		417+35	-	418+44	LT	--	--	--	109
			418+44		LT	1	--	--	--
		418+44	-	420+79	LT	--	--	--	235
			419+30		LT	--	1	--	--
		419+30	-	419+45	LT	--	--	15	--
			420+79		LT	--	1	--	--
					TOTALS 0010	1	2	15	344

REMOVING CURB & GUTTER

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	204.0150 LF	REMARKS
0010	STH 83						
		418+18	-	418+55	LT	125	INCLUDES W DEWEY DR
		419+04	-	422+18	LT	400	INCLUDES W DEWEY DR
0010	E WOLF RUN						
		940+37	-	940+54	RT	55	ISLAND
					TOTAL 0010	580	

REMOVING GUARDRAIL

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	204.0165 LF
0010	STH 83					
		426+42	-	426+92	LT	50
					TOTAL 0010	50

REMOVING FENCE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0170 LF	REMARKS
0010	STH 83						
		399+57	-	399+85	RT	43	
		400+18	-	416+89	RT	1,671	
		402+72	-	408+91	LT	619	
		412+63	-	417+64	LT	478	
			420+31		LT	69	PERPENDICULAR TO STH 83
					TOTAL 0010	2,880	

3

Division	Location	Common Excavation (1) Cut (2)	(item #205.0100) EBS Excavation (3)	Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Marsh Excavation (6) (item #205.0400)	Reduced Marsh in Fill (8) Factor 0.60	Reduced EBS in Fill (9) Factor 0.80	Expanded Marsh Backfill (10) Factor 1.50	Expanded EBS Backfill (11) Factor 1.30	Unexpanded Fill	Expanded Fill (13) Factor 1.25	Mass Ordinate +/- (14)	Waste	Borrow (item #208.0100)	Comment:
2	STH 83	5,230	35	16	5,214	0	0	28	0	46	1,663	2,044	3,170	3,170	0	
	W Dewey Dr	341	0	0	341	0	0	0	0	0	6	8	333	333	0	
Division 2 Subtotal		5,570	35	16	5,554	0	0	28	0	46	1,669	2,052	3,503	3,503	0	
Undistributed		0	114			0										
Grand Total		5,570	149	16	5,554	0	0	28	0	46	1,669	2,052	3,503	3,503	0	
		Total Common Exc	5,720													

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Backfill Granular Grade 2 material.
4) Salvaged/Unusable Pavement Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
6) Marsh Excavation to be backfilled with Backfill Granular Grade 2 material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well. Item number 205.0500
8) Reduced Marsh in Fill - Excavated Marsh material is usuable in Fills outside the 1:1 slope. Marsh in Fill Reduction factor = 0.6
9) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
10) Expanded Marsh Backfill - This is to be filled with Backfill Granular Grade 2 material. Marsh Backfill Factor = 1.5. Item number 209.2500
11) Expanded EBS Backfill - This is to be filled with Backfill Granular Grade 2 material. EBS Backfill Factor = 1.3. Item number 209.2500
13) Expanded Fill. Factor = 1.25
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

FINISHING ROADWAY (1300-09-71)

CATEGORY	STATION	TO	STATION	LOCATION	213.0100.01 EACH
0010	BEGIN	-	END	LT/RT	1
				TOTAL 0010	1

BASE AGGREGATE ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	209.2500 BACKFILL GRANULAR GRADE 2 TON	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL
0010	STH 83								
		383+60	-	396+28	LT/RT	--	230	1,600	40
		396+28	-	418+80	LT/RT	--	350	3,200	80
		418+80	-	424+00	LT/RT	85	30	2,000	50
		429+80	-	431+15	LT/RT	--	50	200	5
					TOTALS 0010	85	660	7,000	175

3

HMA ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
0010	STH 83							
		383+60	-	396+28	LT/RT	119	390	195
		396+28	-	418+80	LT/RT	367	1,234	641
		418+80	-	424+00	LT/RT	124	407	203
0010	E WOLF RUN							
		940+00	-	941+50	LT	11	19	10
					TOTALS 0010	620	2,050	1,050

HMA COLD WEATHER PAVING

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	450.4000 TON
0010	STH 83					
		BEGIN	-	END	LT/RT	100
					TOTAL 0010	100

3

CONCRETE ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	416.0120 CONCRETE DRIVEWAY HES 7-INCH SY	416.1010 CONCRETE SURFACE DRAINS CY	601.0415 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF	SPV.0090.02 SAWING CONCRETE CURB HEAD LF	REMARKS
0010	STH 83													
		383+60	-	396+28	LT/RT	--		--	--	--	--	--	--	
		396+28	-	418+79	LT/RT	20	2	960	125	--	--	--	--	
		418+79	-	424+00	LT/RT	--	1	285	135	--	--	--	--	
		424+00	-	434+00	LT	--	--	--	--	130	10	--	6	WOLF RUN NW QUAD CURB RAMP
0010	E WOLF RUN													
		940+33	-	940+76	RT	--	--	105	--	465	30	12	--	E WOLF RUN PORK CHOP ISLAND
					TOTALS 0010	20	3	1,350	260	595	40	12	6	

CULVERT ITEMS

CATEGORY	ROADWAY	STATION	LOCATION	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.3124 CULVERT PIPE CORRUGATED STEEL 24-INCH LF	522.0127 CULVERT PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	522.1027 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 27-INCH EACH	633.5200 MARKERS CULVERT END EACH	ELEVATIONS INLET**	ELEVATIONS OUTLET**
0010	STH 83											
		384+71	RT	--	2	--	51	--	--	--	844.27	844.10
		399+90	RT	2	--	58	--	--	--	--	877.90	877.11
		406+18	LT/RT	--	--	--	--	69	2	2	871.04	870.00
			TOTALS 0010	2	2	58	51	69	2	2		

**FOR INFORMATIONAL PURPOSES ONLY, FIELD VERIFY

STORM SEWER STRUCTURE ITEMS

CATEGORY	ROADWAY	STRUCTURE	STATION*	OFFSET*	LOCATION	RIM ELEV**	INVERT ELEV***	DEPTH FT****	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	611.0612 INLET COVERS TYPE C EACH	611.0627 INLET COVERS TYPE HM EACH	611.0630 INLET COVERS TYPE HM-GJ EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
0010	STH 83														
		INL-415 LT	415+50.00	28.10'	LT	862.54	858.75	2.98	--	--	--	1	--	--	1
		MH-418 LT	418+40.07	37.70'	LT	848.14	841.50	5.58	--	1	--	--	1	--	--
		INL-420 LT	419+75.00	37.10'	LT	842.03	837.05	4.16	--	--	1	--	--	--	1
		INL-421 LT	421+00.00	37.10'	LT	836.65	832.00	3.84	--	--	1	--	--	1	--
		AEW-421 LT	421+19.74	61.91'	LT	--	831.31	--	1	--	--	--	--	--	--
0010	W DEWEY DR														
		INL-922 RT	921+99.64	26.82'	RT	845.47	841.71	2.96	--	--	1	--	--	--	1
								TOTALS 0010	1	1	3	1	1	1	3

* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
** RIM ELEV IS AT THE INLET COVER FLANGE LOCATION
*** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
**** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

STORM SEWER PIPE ITEMS

CATEGORY	ROADWAY	STRUCTURE	TO	STRUCTURE	LOCATION	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF
0010	STH 83									
		INL-415 LT	-	MH-418 LT	LT	858.75	841.75	0.0586	291	--
		MH-418 LT	-	INL-420 LT	LT	841.50	837.05	0.0330	135	--
		INL-420 LT	-	INL-421 LT	LT	837.05	832.00	0.0404	125	--
		INL-421 LT	-	AEW-421 LT	LT	831.75	831.31	0.0200	--	22
0010	W DEWEY DR									
		INL-922 RT	-	MH-418 LT	RT	841.71	841.50	0.0030	69	--
								TOTALS 0010	620	22

3

BEAM GUARD ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY	614.2300 MGS GUARDRAIL 3 LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
0010	STH 83							
		426+42	-	429+10	LT	190	215	1
					TOTALS 0010	190	215	1

MAINTENANCE AND REPAIR OF HAUL ROADS (1300-09-71)

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	618.0100.02 EACH
0010	STH 83					
		BEGIN	-	END	LT/RT	1
					TOTAL 0010	1

MOBILIZATION

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	619.1000 EACH
0010	STH 83					
		BEGIN	-	END	LT/RT	0.10
					TOTAL 0010	0.10

3

EROSION CONTROL ITEMS

CAT.	ROADWAY	STATION	TO	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1530.S SILT FENCE HEAVY DUTY LF	628.1535.S SILT FENCE HEAVY DUTY MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	645.0120 GEOTEXTILE TYPE HR SY
0010	STH 83																			
		383+60	-	396+28	LT/RT	--	--	635	953	330	495	--	--	--	--	--	--	5	--	--
		396+28	-	418+80	LT/RT	2	--	125	188	--	--	--	--	2,617	480	1	2	10	--	16
		418+80	-	424+00	LT/RT	5	--	360	540	355	533	--	--	--	--	--	2	--	--	40
		424+00	-	434+83	LT/RT	--	--	--	--	--	--	--	--	--	--	--	20	--	--	--
0010	UNDISTRIBUTED					3	50	280	420	170	258	2	1	683	120	1	6	5	50	14
					TOTALS 0010	10	50	1,400	2,100	855	1,285	2	1	3,300	600	2	30	20	50	70

RESTORATION ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
0010	STH 83										
		383+60	-	396+28	RT	3,212	3,212	2.02	145	25	90
		396+28	-	418+80	LT/RT	5,039	1,944	3.17	227	40	141
		418+80	-	424+00	LT/RT	1,466	1,466	0.92	66	12	41
		424+00	-	434+83	LT	110	110	--	5	1	3
	UNDISTRIBUTED					983	687	0.63	58	8	30
					TOTALS 0010	10,810	7,420	6.75	500	85	305

TYPE II PERMANENT SIGNING 1300-09-71

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	MOUNT ON SAME POST AS SIGN #	637.1220 SIGNS TYPE I REFLECTIVE SH (SF)	REMARKS / NEW SIGN LOCATION
201	W1-7		48	X	24		8.000						1			
202	I2-2	WAUKESHA CO								1		2	2			
203	R3-20R(2S)		24	X	36	6.000							1			
204	W3-5	40 MPH								1		1	1			
205	W3-5	40 MPH								1		1	1			
206	R2-1	SPEED LIMIT 40								1		1	1			
207	W23-2										1	1				
208	W6-3									1		1	1			
209	R7-1D									1		1	1			
210	R1-1(2S)		30	X	30	5.180					1	1	1			
211	R3-7R(2M)		30	X	30	6.250							1			
212	R3-20R										1	1				
213	NONE	W DEWEY DR. ONLY ARROW	66	X	60										28	MOUNT ON S-67-981, I BEAMS INCIDENTAL TO SIGN
214	R3-7R(2M)		30	X	30	6.250							1			
215	M1-1	IH 43	24	X	24	4.000										ADD PLAQUE TO EXISTING ROUTE MARKER.
216	W23-2										1	1				
217	W23-2										1	1				
218	R3-8LARR(2S)		72	X	30	15.000					1	1	2			SHEET 6A
219	R3-8LARR(2S)		72	X	30	15.000					1	1	2			SHEET 6A
220	R3-20R(2S)		24	X	36	6.000							1			
221	R3-8RR(S)		36	X	30	7.500							1			
222	R5-1A(2S)		36	X	24	6.000					1	1	1			
223	NOT USED															
224	J13-1									1		1	1			
225	R1-1F(2S)		30	X	30				5.180		1					MOUNT ON SIGNAL POLE
226	R5-1(2S)		30	X	30	6.250					1					MOUNT ON SIGNAL POLE
227	W12-1D(2S)		24	X	24		4.000						1			2 FOOT MOUNTING HEIGHT
		UNDISTRIBUTED						2.000		2	2	2	2			
TOTALS						83.430	12.000	2.000	5.180	9	12	18	23		28	

SHEET: 1 OF 1

TRAFFIC CONTROL ITEMS

CAT.	STAGE	DURATION (DAYS)	ROADWAY	STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II EACH**	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH**	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NUMBER OF CYCLES	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NUMBER OF SIGNS	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF
0010	2A	20	E WOLF RUN	940+00	-	945+00	LT/RT	90	1,800	1	20	12	240	24	480	30	600	1	20	20	400	2	1	2	1,400
							TOTALS 0010		1,800		20		240		480		600		20		400	2			1,400

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
**FOR INFORMATIONAL PURPOSES ONLY

TRAFFIC CONTROL

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	643.5000 EACH
0010	STH 83					
		BEGIN	-	END	LT/RT	0.1
					TOTAL 0010	0.1

TEMPORARY PAVEMENT MARKINGS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	643.3250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF
0010	E WOLF RUN							
		940+00	-	945+00	LT/RT	700	415	15
					TOTALS 0010	700	415	15

PAVEMENT MARKING ITEMS

CAT.	ROADWAY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH DOUBLE YELLOW LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE LF	646.1040 YELLOW LF	646.1040 DASHED WHITE 12.5'LINE 37.5'SKIP LF	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH WHITE LF	646.3040 DASHED WHITE 3'LINE 9'SKIP LF	646.5020 MARKING ARROW EPOXY TYPE 2 EACH	646.5020 MARKING ARROW EPOXY TYPE 3 EACH	646.5120 MARKING WORD EPOXY ONLY EACH	646.5520 MARKING OUTFALL EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010	STH 83																				
		383+60	-	396+28	LT/RT	3,830	1,280	--	--	320	--	2	--	1	--	--	5,110	320	160	--	--
		396+28	-	418+80	LT/RT	7,910	2,910	--	70	350	--	3	1	1	2	42	10,890	350	800	--	1
		418+80	-	429+50	LT/RT	1,400	1,470	1,160	150	1,250	180	2	--	1	--	--	4,180	1,430	240	320	1
0010	E WOLF RUN																				
		940+50	-	945+00	LT	--	--	--	30	860	30	6	--	3	--	58	--	--	--	200	--
					TOTALS 0010	13,140	7,070			2,990		14		6	2	100	20,180	2,100	1,200	520	2

3

CONSTRUCTION STAKING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9911.02 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1300-09-71) EACH
0010	STH 83											
		383+60	-	434+83	LT/RT	5	4,760	4,760	1,505	3	1	1
0010	E WOLF RUN											
		940+00	-	945+00	LT/RT	--	--	--	105	--	3	--
					TOTALS 0010	5	4,760	4,760	1,610	3	4	1

SAWING ITEMS

CATEGORY		STATION		STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	STH 83						
		383+60	-	410+10	RT	--	2,660
		402+76	-	423+76	LT	--	2,110
			424+00		LT	--	35
0010	W DEWEY DR						
			921+75		LT/RT	50	--
0010	E WOLF RUN						
		940+33	-	941+40	RT	215	--
					TOTALS 0010	265	4,805

STH 83 & WOLF RUN
WAUKESHA COUNTY
CATEGORY 0010
S-67-0978

3

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195 EACH
SB3	1
SB4	1
TOTAL	2

TRAFFIC SIGNAL REMOVALS

LOCATION	204.9060.S.01 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE EACH	204.9060.S.02 REMOVING TRAFFIC SIGNALS EACH
STH 83 & WOLF RUN	7	1
TOTALS	7	1

REMOVING PULL BOXES

PULL BOX NO.	653.0905 EACH
PB3	1
PB23	1
TOTAL	2

LAMP,BALLAST,LED,SWITCH DISPOSAL

ITEMS	659.5000.S EACH
PEDESTRIAN SIGNAL - 16INCH	3
TRAFFIC SIGNAL- THREE SECTION	1
TRAFFIC SIGNAL- FOUR SECTION	1
TOTAL	5

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
PB1	PB3	--	50
PB3	SB3	16	--
PB3	SB4	9	--
PB3	PB23	20	--
	TOTALS	45	50

FILE NAME : X:\BM1-3124_STH 83\05_Design\03_Roads\13000901\SheetsPlan\030201-mq.pptx PLOT DATE : October 20, 2022 PLOT BY : BLOOM COMPANIES PLOT NAME : PLOT SCALE : 1:1

STH 83 & WOLF RUN
WAUKESHA COUNTY
CATEGORY 0010
S-67-0978

CONCRETE BASES

SIGNAL BASE NO.	STATION	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH
SB3	430+58.91	37.54 RT	1
SB4	430+44.34	50.58 RT	1
		TOTAL	2

PULL BOXES

PULL BOX NO.	STATION	OFFSET	653.0135 PULL BOXES STEEL 24X36-INCH EACH	653.0140 PULL BOXES STEEL 24X42-INCH EACH
PB3	940+69.29	24.42 LT	--	1
PB23	940+52.43	14.98 LT	1	--
		TOTALS	1	1

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB NO.	STATION	LOCATION	SIZE	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
81	PB2	942+74.79	10.6 LT	6'X6'	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL(SPLICE)BOX OFF ROADWAY (OPTION 2)	74	70	189
82	PB23	940+84.24	4.59 LT	6'X20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL(SPLICE)BOX OFF ROADWAY (OPTION 2)	69	70	182
83	PB23	940+51.05	5.04 LT	6'X30'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL(SPLICE)BOX OFF ROADWAY (OPTION 2)	86	174	199
84	PB5	940+83.74	8.63 RT	6'X20'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL(SPLICE)BOX OFF ROADWAY (OPTION 2)	62	101	189
85	PB5	940+50.50	8.33 RT	6'X30'	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL(SPLICE)BOX OFF ROADWAY (OPTION 2)	80	101	182
						TOTALS	371	516	941

FILE NAME : X:\BM1-3124_STH 83\05_Design\03_Roads\13000901\SheetsPlan\030201-mq.pptx PLOT DATE : October 20, 2022 PLOT BY : BLOOM COMPANIES PLOT NAME : PLOT SCALE : 1:1

STH 83 & WOLF RUN
WAUKESHA COUNTY
CATEGORY 0010
S-67-0978

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	* 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF
CB1	SB3	--	112
SB3	HEAD 28	19	--
SB3	HEAD 30	19	--
CB1	SB4	--	111
SB4	HEAD 11	23	--
SB4	HEAD 21	23	--
SB4	HEAD 31	23	--
	TOTALS	107	223

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
SB1	SB3	108
SB3	SB4	48
SB4	SB5	294
	TOTAL	450

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.02 EACH
STH 83 & WOLF RUN	1
TOTAL	1

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH
SB3	1	--	1	2
SB4	1	1	--	1
TOTALS	2	1	1	3

TRAFFIC SIGNAL FACES

SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB3	--	--	2
SB4	1	1	1
TOTALS	1	1	3

FILE NAME : X:\BM1-3124_STH 83\05_Design\03_Roads\13000901\SheetsPlan\030201-mq.pptx PLOT DATE : October 20, 2022 PLOT BY : BLOOM COMPANIES PLOT NAME : PLOT SCALE : 1:1

STH 83 & WOLF RUN
WAUKESHA COUNTY
CATEGORY 0010
S-67-0978

REROUTING CABLE TRAFFIC SIGNAL

FROM	TO	* 655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	* 655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CB1	SB5	--	--	632	--	--	--
CB1	SB5(HEAD 'C')	--	--	--	--	--	602
CB1	SB8	--	--	--	781	--	--
**SB8	SB7	43	--	--	--	--	--
CB1	SB11	--	--	531	--	--	--
CB1	SB11(HEAD 'A')	--	--	--	--	--	426
CB1	SB12	--	537	--	--	--	--
CB1	SB13	--	--	--	567	--	--
SB9	SB14	--	--	--	--	304	--
	TOTALS	43	537	1,162	1,347	304	1,028

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
**TO BE INSTALLED BY WISDOT ELECTRICAL FIELD UNIT

STATE FURNISHED
FOR INFORMATION ONLY

FROM	TO	WAVETRONIX DETECTOR CABLE LF
CB1	SB5	602
CB1	SB11	426
	TOTAL	1,028

FILE NAME : X:\BM1-3124_STH 83\05_Design\03_Roads\13000901\SheetsPlan\030201-mq.pptx PLOT DATE : October 20, 2022 PLOT BY : BLOOM COMPANIES PLOT NAME : PLOT SCALE : 1:1

VILLAGE OF MUKWONAGO
WAUKESHA/WALWORTH COUNTIES

RESOLUTION NO. 2021-69

RESOLUTION FOR DECLARATION OF PUBLIC NECESSITY AND RELOCATION ORDER TO CONSTRUCT PUBLIC TRANSPORTATION FACILITIES IN THE VILLAGE OF MUKWONAGO

This is a Relocation Order of the Village of Mukwonago, Waukesha/Walworth Counties, Wisconsin, by its Village Board and for its Relocation Order, hereby resolves as follows:

1. This Relocation Order is in accordance with Wisconsin Statute Section 62.22(1m) and Subsection 32.05(1) of the Wisconsin Statutes for the purposes establishing the public necessity and Relocation Order for the described public improvement project.

2. The Village of Mukwonago hereby determines that in accordance with its Comprehensive Plan, it is necessary and a proper public purpose to construct transportation facilities on property described in Attachment No. 1 (hereinafter referred to as the "Project"). The transportation facilities are to be located in lands hereby designated for use as a public right-of-way.

3. The Village of Mukwonago will acquire certain lands, rights to use of land and easements as shown on the attached survey maps and legal descriptions, which are described in Attachment No. 1.

4. A certified copy of this Resolution shall be filed with the Waukesha County Clerks within twenty (20) days of its adoption and final approval pursuant to Wisconsin Statute Sec. 32.05(1)(a).

Dated and adopted this 15th day of September, 2021.

Fred H. Winchowky

Fred H. Winchowky, Village President

Diana Dykstra, Village Clerk

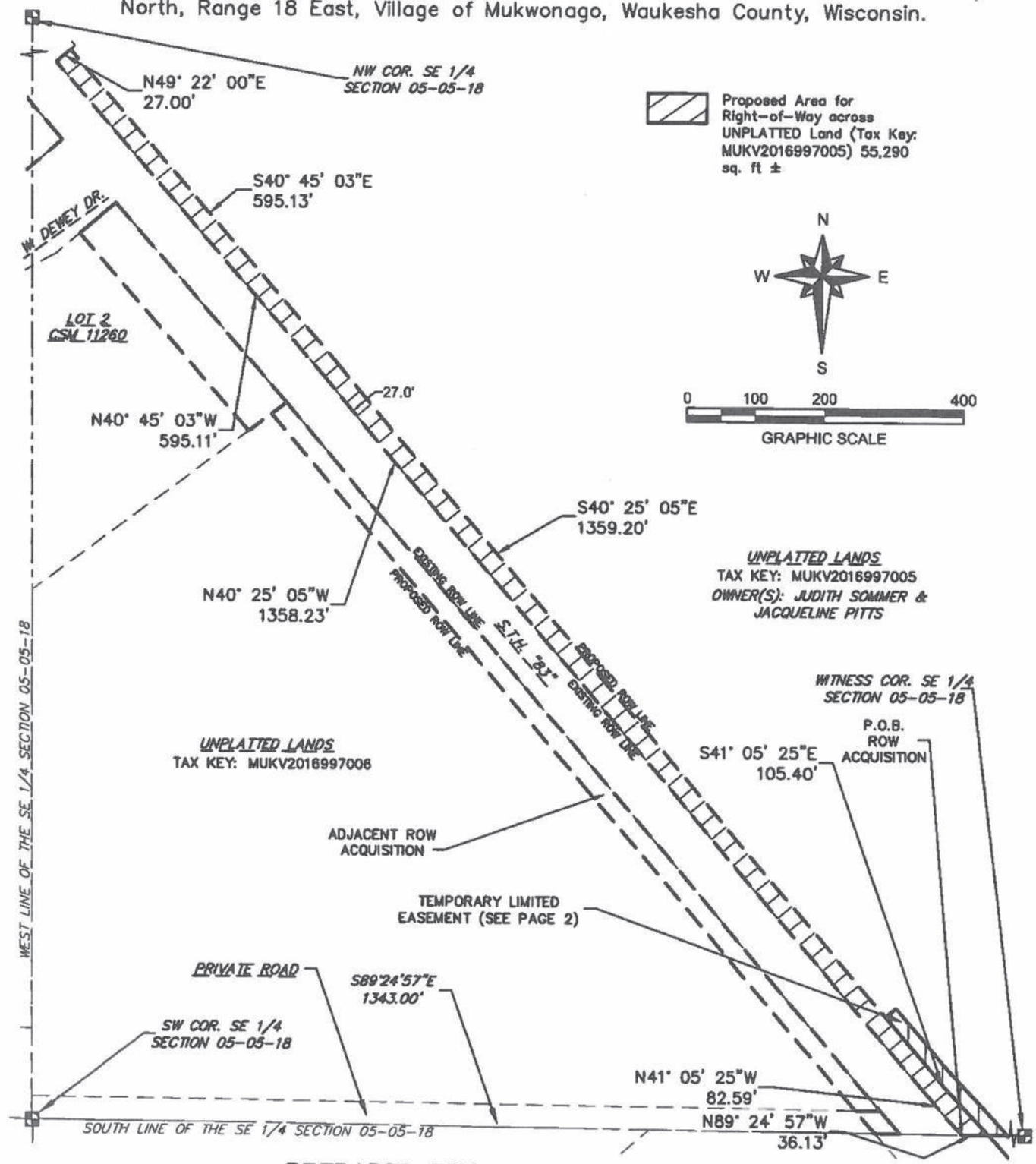
I hereby certify that this is a true and correct copy of the Resolution adopted by the Village Board on the 15th day of September, 2021.

Diana Dykstra, Village Clerk

EXHIBIT "A"

RIGHT–OF–WAY ACQUISITION & TEMPORARY LIMITED EASEMENT (T.L.E.)

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.



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440 River Crest Ct.
Mukwonago, WI 53149

PREPARED BY:
Ruekert & Mielke, Inc.
W233 N2080 Ridgeview Pkwy.
Waukesha, WI 53188

THIS INSTRUMENT WAS DRAFTED BY JOHN SCHULZ (9/8/21) CHECKED BY CHRIS RUETTEN, P.L.S. (9

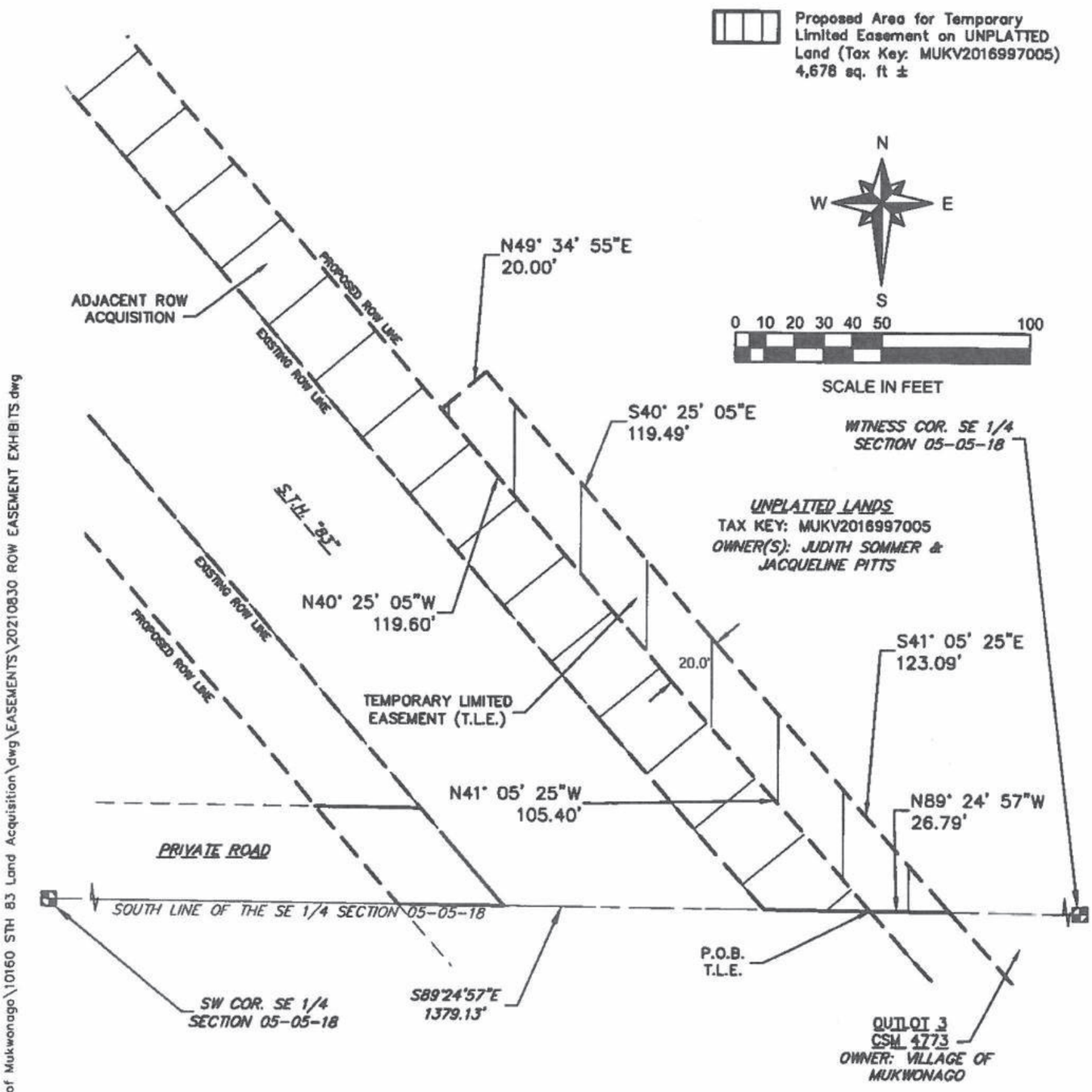
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Attachment No. 1

EXHIBIT "A"

RIGHT-OF-WAY ACQUISITION & TEMPORARY LIMITED EASEMENT (T.L.E.)

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.



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EXHIBIT "A"

RIGHT–OF–WAY ACQUISITION & TEMPORARY LIMITED EASEMENT (T.L.E.)

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.

Description:

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin, bounded and described as follows:

RIGHT–OF–WAY ACQUISITION DESCRIPTION:

Commencing at the Southwest corner of said Southeast 1/4 of Section 36; thence bearing S89°24'57"E, a distance of 1343.00 feet along the South line of the Southeast 1/4 to the East Right–of–Way (ROW) line of State Highway "83", also being the POINT OF BEGINNING (POB); thence along said line over the next four courses; thence bearing N41°05'25"W, a distance of 82.59 feet; thence bearing N40°25'05"W, a distance of 1358.23 feet; thence bearing N40°45'03"W, a distance of 595.11 feet; thence bearing N49°22'00"E, a distance of 27.00 feet; thence bearing S40°45'03"E, a distance of 595.13 feet; thence bearing S40°25'05"E, a distance of 1359.20 feet; thence bearing S41°05'25"E, a distance of 105.40 feet to the South line of said Southeast 1/4; thence bearing N89°24'57"W along said line, a distance of 36.13 feet to the POINT OF BEGINNING, containing 55,290 square feet (1.27 acres) more or less of land. Subject to, but not limited to, covenants, conditions, restrictions and easements of record.

TEMPORARY LIMITED EASEMENT DESCRIPTION:

Commencing at the Southwest corner of said Southeast 1/4 of Section 36; thence bearing S89°24'57"E, a distance of 1379.13 feet along the South line of the Southeast 1/4 to the POINT OF BEGINNING (POB); thence bearing N41°05'25"W, a distance of 105.40 feet; thence bearing N40°25'05"W, a distance of 119.60 feet; thence bearing N49°34'55"E, a distance of 20.00 feet; thence bearing S40°25'05"E, a distance of 119.49 feet; thence bearing S41°05'25"E, a distance of 123.09 feet to the South line of the Southeast 1/4; thence bearing N89°24'57"W along said line, a distance of 26.79 feet to the POINT OF BEGINNING, containing 4,678 square feet (.11 acres) more or less of land. Subject to, but not limited to, covenants, conditions, restrictions and easements of record.

PROPERTY LINES SHOWN ON THIS EXHIBIT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR OCCUPATION LINES. THIS EXHIBIT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING LINES OF THE PUBLIC LAND SURVEY SYSTEM AND RIGHT–OF–WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE PROPERTY SURVEY AS DEFINED AND PURSUANT TO THE WISCONSIN ADMINISTRATIVE CODE A–E 7.

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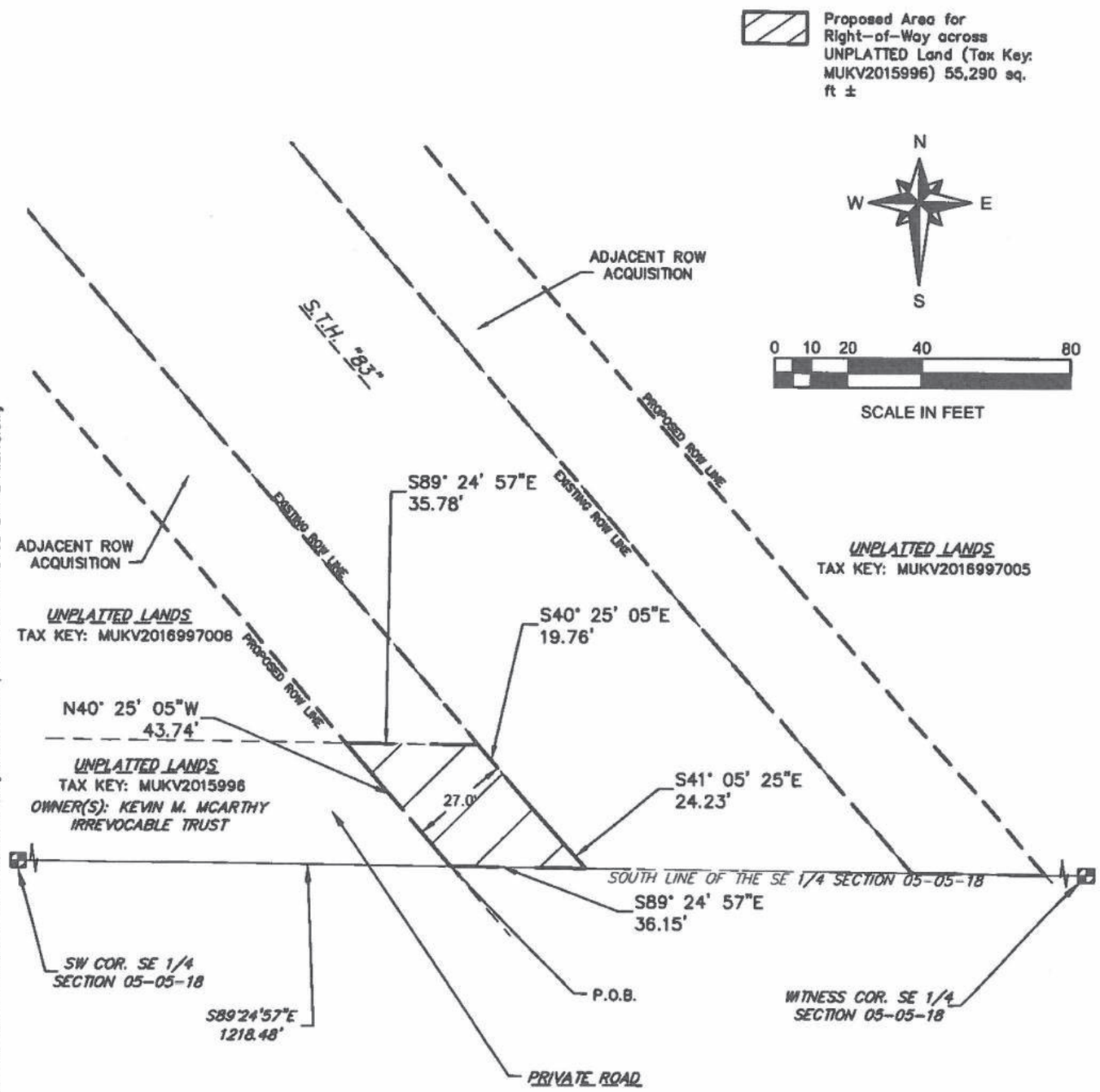
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EXHIBIT "B"

RIGHT-OF-WAY ACQUISITION

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.



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EXHIBIT "B"

RIGHT-OF-WAY ACQUISITION

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.

Description:

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin, bounded and described as follows:

Commencing at the Southwest corner of said Southeast 1/4 of Section 36; thence bearing S89°24'57"E, a distance of 1218.48 feet along the South line of the Southeast 1/4 to the POINT OF BEGINNING (POB); thence bearing N40°25'05"W, a distance of 43.74 feet to the Southerly line of lands described by Tax Key MUKV2016997006; thence bearing S89°24'57"E, a distance of 35.78 feet to the West Right-of-Way (ROW) line of State Highway "83"; thence along said line over the next two courses; thence bearing S40°25'05"E, a distance of 19.76 feet; thence bearing S41°05'25"E, a distance of 24.23 feet to the South line of said Southwest 1/4; thence bearing S89°24'57"E along said line, a distance of 36.15 feet to the POINT OF BEGINNING, containing 55,290 square feet (1.27 acres) more or less of land. Subject to, but not limited to, covenants, conditions, restrictions and easements of record.

PROPERTY LINES SHOWN ON THIS EXHIBIT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR OCCUPATION LINES. THIS EXHIBIT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING LINES OF THE PUBLIC LAND SURVEY SYSTEM AND RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE PROPERTY SURVEY AS DEFINED AND PURSUANT TO THE WISCONSIN ADMINISTRATIVE CODE A-E 7

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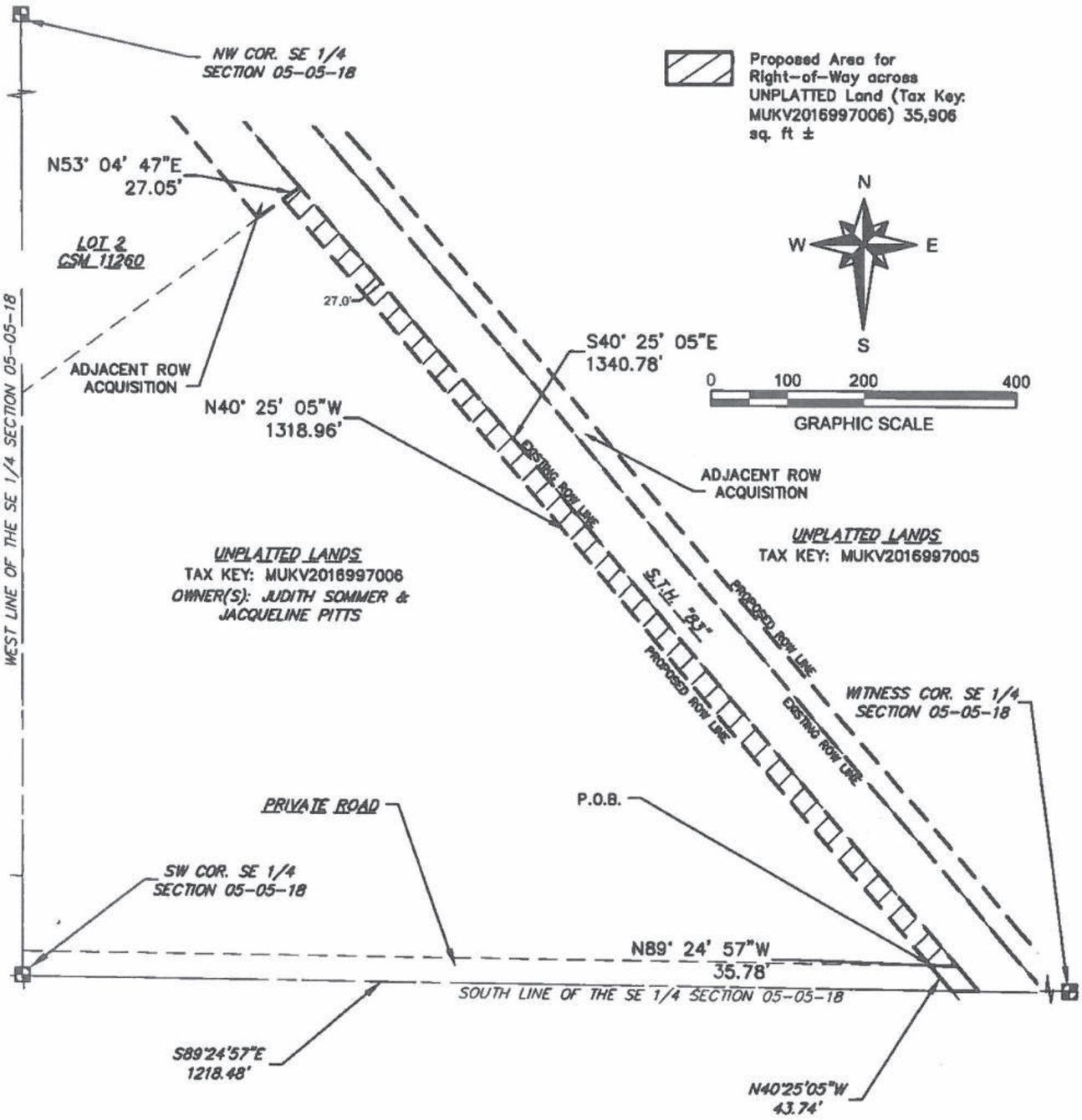
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EXHIBIT "C"

RIGHT-OF-WAY ACQUISITION

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.



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EXHIBIT "C"

RIGHT-OF-WAY ACQUISITION

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.

Description:

Being part of Unplatted Lands, located in part of the SE 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin, bounded and described as follows:

Commencing at the Southwest corner of said Southeast 1/4 of Section 36; thence bearing S89°24'57"E, a distance of 1218.48 feet along the South line of the Southeast 1/4; thence bearing N40°25'05"W, a distance of 43.74 feet to the North line of a Private Road, also being the POINT OF BEGINNING (POB); thence bearing N40°25'05"W, a distance of 1318.96 feet to a Southerly line of Lot 2 of CSM 11260; thence bearing N53°04'47"E along said line, a distance of 27.05 feet to the West Right-of-Way (ROW) line of State Highway "83"; thence bearing S40°25'05"E, a distance of 1340.78 feet to the North line of a Private Road; thence bearing N89°24'57"W along said line, a distance of 35.78 feet to the POINT OF BEGINNING, containing 35,906 square feet (0.82 acres) more or less of land. Subject to, but not limited to, covenants, conditions, restrictions and easements of record.

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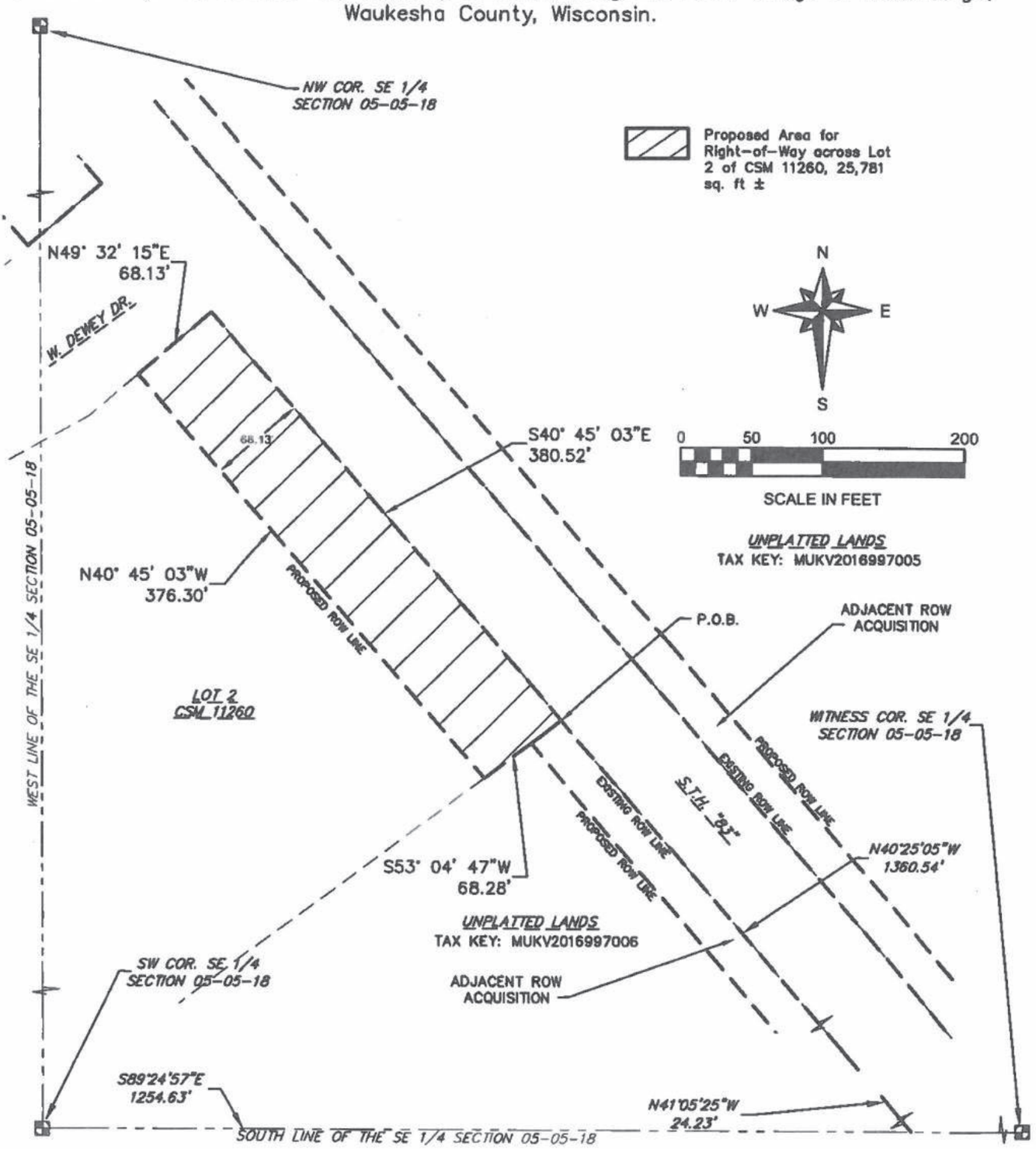
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EXHIBIT "D"

RIGHT-OF-WAY ACQUISITION

Being part of Lot 2 of Certified Survey Map 11260, located in part of the SE 1/4 and part of the SW 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.



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EXHIBIT "D"

RIGHT-OF-WAY ACQUISITION

Being part of Lot 2 of Certified Survey Map 11260, located in part of the SE 1/4 and part of the SW 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.

Description:

Being part of Lot 2 of Certifed Survey Mao 11260, located in part of the SE 1/4 and part of the SW 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin, bounded and described as follows:

Commencing at the Southwest corner of said Southeast 1/4 of Section 36; thence bearing S89°24'57"E, a distance of 1254.63 feet along the South line of the Southeast 1/4 to the West Right-of-Way (ROW) line of State Highway "83"; thence along said line over the next two courses; thence bearing N41°05'25"W, a distance of 24.23 feet; thence bearing N40°25'05"W, a distance of 1360.54 feet to a Southerly line of Lot 2 of CSM 11260, also being the POINT OF BEGINNING (POB); thence bearing S53°04'47"W along said line, a distance of 68.13 feet; thence bearing N40°45'03"W, a distance of 376.30 feet to the South ROW line of West Dewey Drive; thence bearing N49°32'15"E, a distance of 68.13 feet to the West ROW line of State Highway "83"; thence bearing S40°45'03"E, a distance of 380.52 feet to the POINT OF BEGINNING, containing 25,781 square feet (0.59 acres) more or less of land. Subject to, but not limited to, covenants, conditions, restrictions and easements of record.

PROPERTY LINES SHOWN ON THIS EXHIBIT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR OCCUPATION LINES. THIS EXHIBIT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING LINES OF THE PUBLIC LAND SURVEY SYSTEM AND RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE PROPERTY SURVEY AS DEFINED AND PURSUANT TO THE WISCONSIN ADMINISTRATIVE CODE A-E 7.

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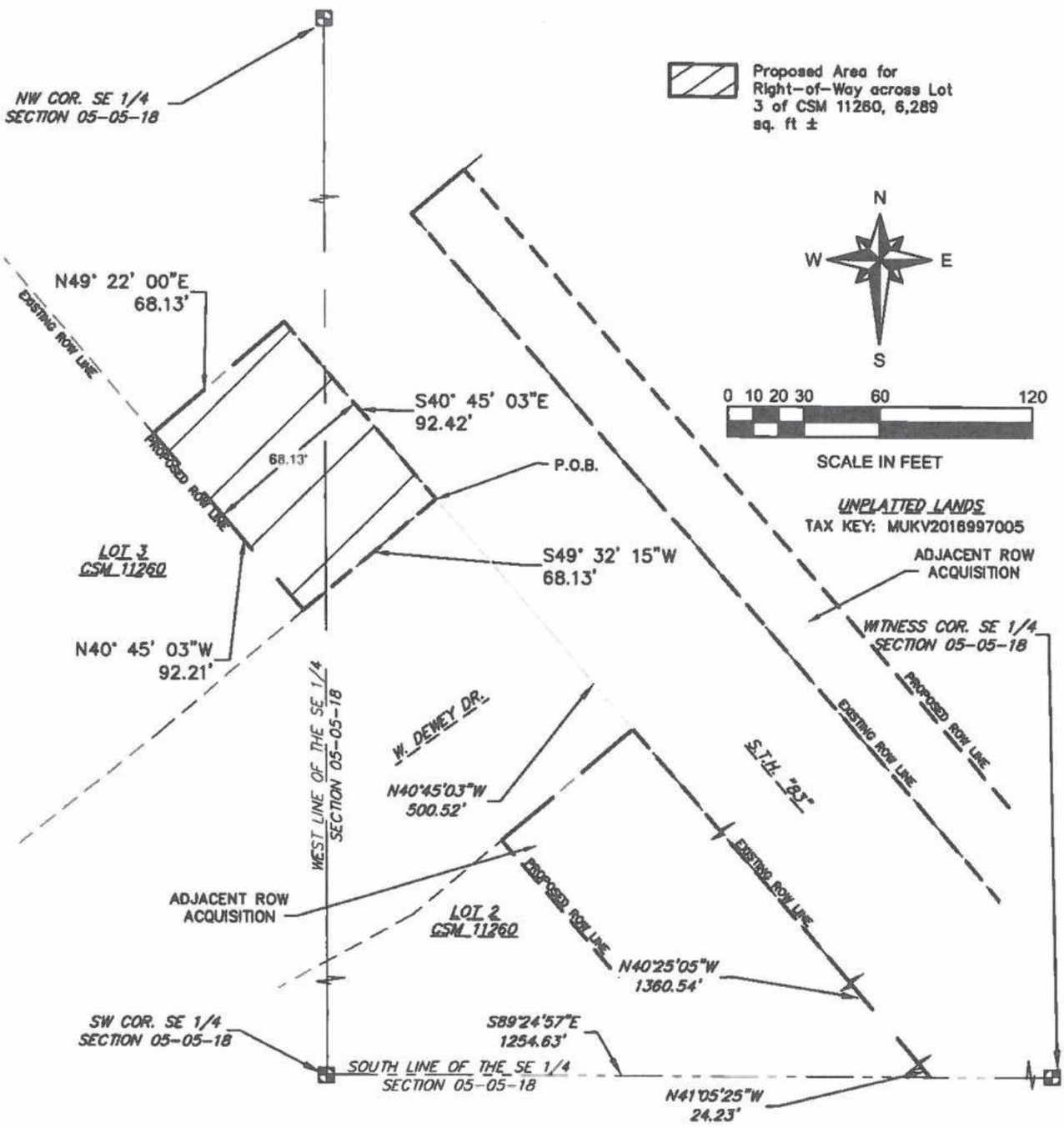
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EXHIBIT "E"

RIGHT-OF-WAY ACQUISITION

Being part of Lot 3 of Certified Survey Map 11260, located in part of the SE 1/4 and part of the SW 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.



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EXHIBIT "E"

RIGHT-OF-WAY ACQUISITION

Being part of Lot 3 of Certified Survey Map 11260, located in part of the SE 1/4 and part of the SW 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin.

Description:

Being part of Lot 3 of Certifed Survey Mao 11260, located in part of the SE 1/4 and part of the SW 1/4 of Section 36, Township 5 North, Range 18 East, Village of Mukwonago, Waukesha County, Wisconsin, bounded and described as follows:

Commencing at the Southwest corner of said Southeast 1/4 of Section 36; thence bearing S89°24'57"E, a distance of 1254.63 feet along the South line of the Southeast 1/4 to the West Right-of-Way (ROW) line of State Highway "83"; thence along said line over the next three courses; thence bearing N41°05'25"W, a distance of 24.23 feet; thence bearing N40°25'05"W, a distance of 1360.54 feet; thence bearing N40°45'03"W, a distance of 500.52 feet to the North ROW line of West Dewey Drive, also being the POINT OF BEGINNING (POB); thence bearing S49°32'15"W along said line, a distance of 68.13 feet; thence bearing N40°45'03"W, a distance of 92.21 feet to the West ROW line of State Highway "83"; thence along said line over the next two courses; thence bearing N49°22'00"E, a distance of 68.13 feet; thence bearing S40°45'03"E, a distance of 92.42 feet to the POINT OF BEGINNING, containing 6,289 square feet (0.14 acres) more or less of land. Subject to, but not limited to, covenants, conditions, restrictions and easements of record.

G:\C3D_2018\12_Village of Mukwonago\10160 STH 83 Land Acquisition\dwg\EASEMENTS\20210830 ROW EASEMENT EXHIBITS.dwg

PROPERTY LINES SHOWN ON THIS EXHIBIT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR OCCUPATION LINES. THIS EXHIBIT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING LINES OF THE PUBLIC LAND SURVEY SYSTEM AND RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE PROPERTY SURVEY AS DEFINED AND PURSUANT TO THE WISCONSIN ADMINISTRATIVE CODE A-E 7.

Ruekert • Mielke
www.ruekertmielke.com

PREPARED FOR:
Village of Mukwonago
440 River Crest Ct.
Mukwonago, WI 53149

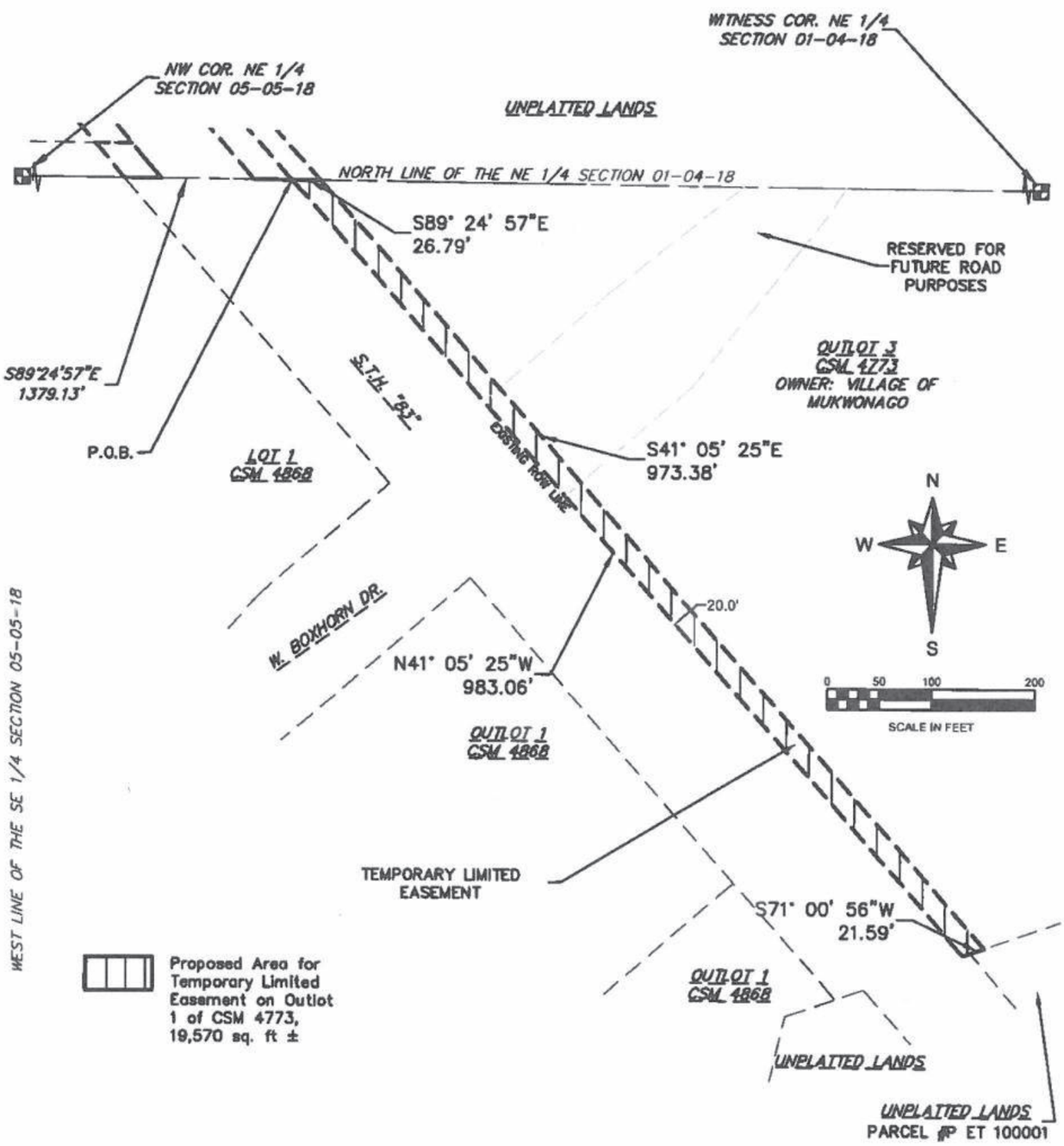
PREPARED BY:
Ruekert & Mielke, Inc.
W233 N2080 Ridgeview Pkwy.
Waukesha, WI 53188

THIS INSTRUMENT WAS DRAFTED BY JOHN SCHULZ (8/31/21) CHECKED BY: CHRIS RUETTEN, P.L.S. (8/31/21)

EXHIBIT "F"

TEMPORARY LIMITED EASEMENT (T.L.E.)

Being part of Outlot 3 of Certified Survey Map 4773, located in part of the NE 1/4 of Section 1, Township 4 North, Range 18 East, Village of Mukwonago, Walworth County, Wisconsin.



G:\C3D_2018\12_Village of Mukwonago\10160 STH 83 Land Acquisition\dwg\EASEMENTS\20210830 ROW EASEMENT EXHIBITS.dwg

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PREPARED FOR:
Village of Mukwonago
440 River Crest Ct.
Mukwonago, WI 53149

PREPARED BY:
Ruekert & Mielke, Inc.
W233 N2080 Ridgeview Pkwy.
Waukesha, WI 53188

THIS INSTRUMENT WAS DRAFTED BY JOHN SCHULZ (9/8/21) CHECKED BY: CHRIS RUETTEN, P.L.S. (9/8/21)

EXHIBIT "F"

TEMPORARY LIMITED EASEMENT (T.L.E.)

Being part of Outlot 3 of Certified Survey Map 4773, located in part of the NE 1/4 of Section 1, Township 4 North, Range 18 East, Village of Mukwonago, Walworth County, Wisconsin.

Description:

Being part of Outlot 3 of Certified Survey Map 4773, located in part of the NE 1/4 of Section 1, Township 4 North, Range 18 East, Village of Mukwonago, Walworth County, Wisconsin, bounded and described as follows:

TEMPORARY LIMITED EASEMENT DESCRIPTION:

Commencing at the Northwest corner of said Northeast 1/4 of Section 1; thence bearing S89°24'57"E, a distance of 1379.13 feet along the North line of the Northeast 1/4 to the POINT OF BEGINNING (POB); thence bearing S89°24'57"E along said line, a distance of 26.79 feet; thence bearing S41°05'25"E, a distance of 973.38 feet to the Northerly line of lands described by Parcel No. P ET 100001; thence bearing S71°00'56"W along said line, a distance of 21.59 feet to the Easterly Right-of-Way (ROW) line of State Highway "83"; thence bearing N41°05'25"W along said line, a distance of 983.06 feet to the POINT OF BEGINNING, containing 19,570 square feet (.45 acres) more or less of land. Subject to, but not limited to, covenants, conditions, restrictions and easements of record.

PROPERTY LINES SHOWN ON THIS EXHIBIT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR OCCUPATION LINES. THIS EXHIBIT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING LINES OF THE PUBLIC LAND SURVEY SYSTEM AND RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE PROPERTY SURVEY AS DEFINED AND PURSUANT TO THE WISCONSIN ADMINISTRATIVE CODE A-E 7.

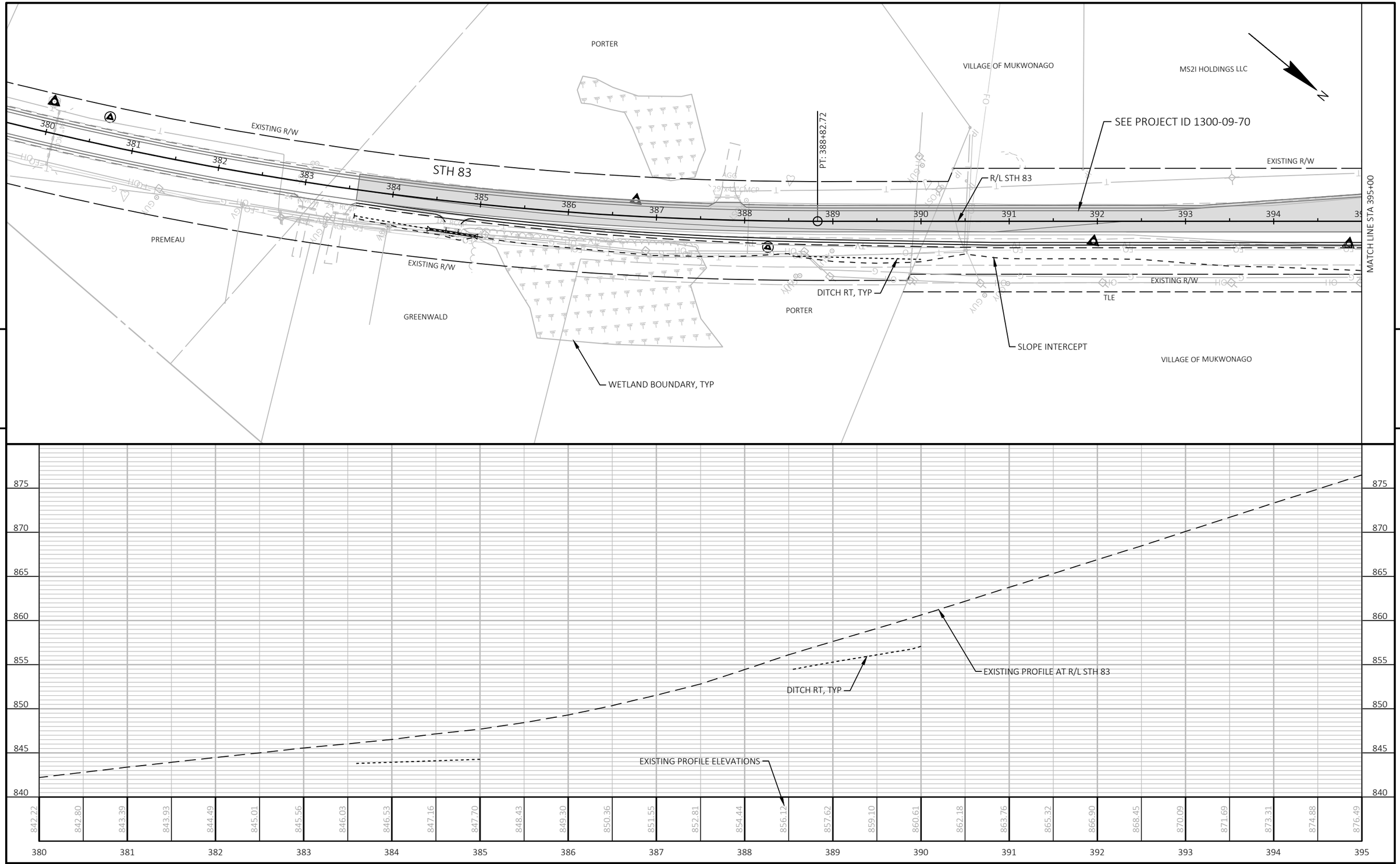
Ruekert • Mielke
www.ruekertmielke.com

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THIS INSTRUMENT WAS DRAFTED BY JOHN SCHULZ (9/8/21) CHECKED BY: CHRIS RUETTEN, P.L.S. (9/8/21)

G:\C3D_2018\12_Village of Mukwonago\10160 STH 83 Land Acquisition\dwg\EASEMENTS\20210830 ROW EASEMENT EXHIBITS.dwg

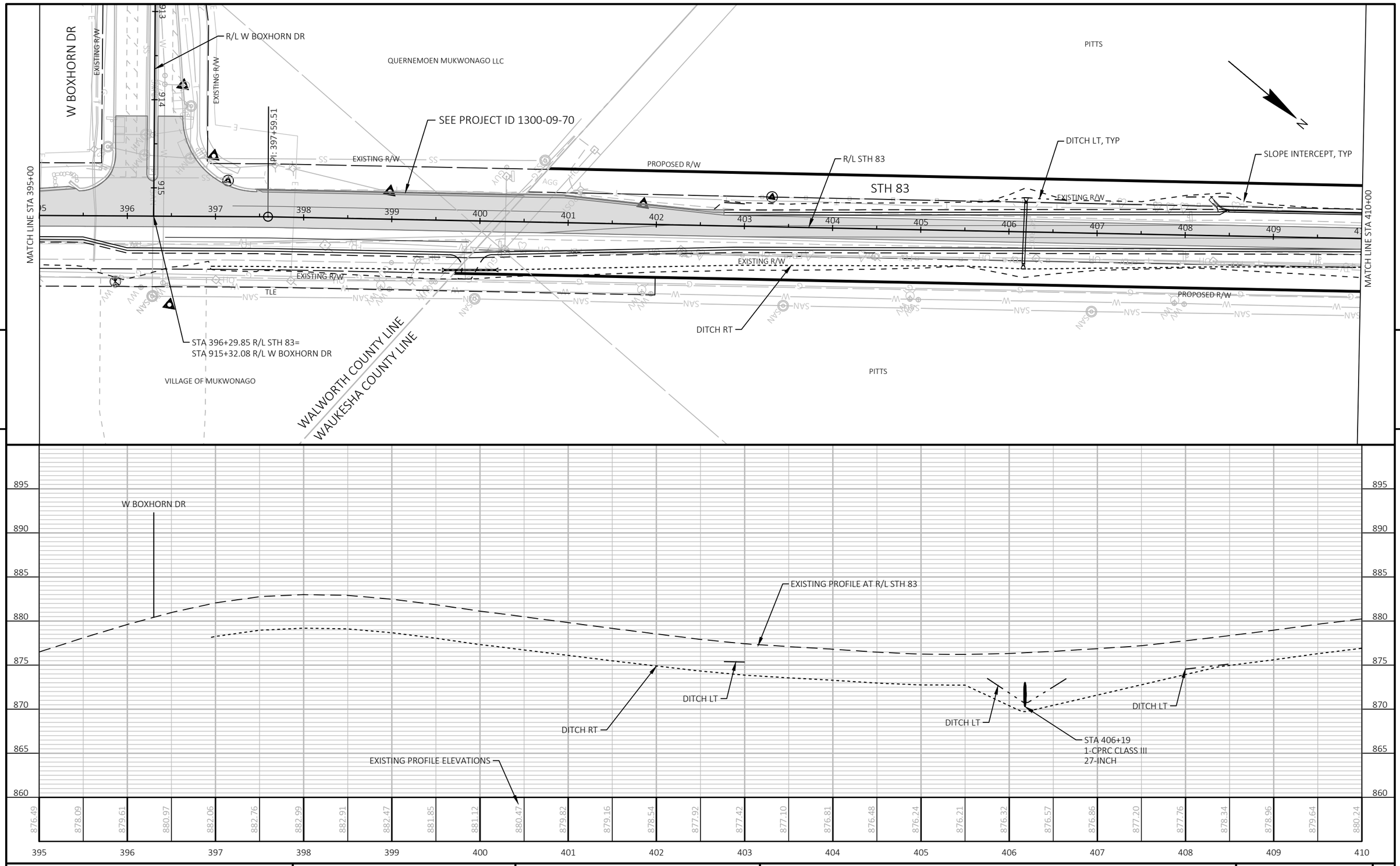


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 88	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\050105-PP.DWG
LAYOUT NAME - 5-83-01-pp

PLOT DATE : 10/2/2022 2:20 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

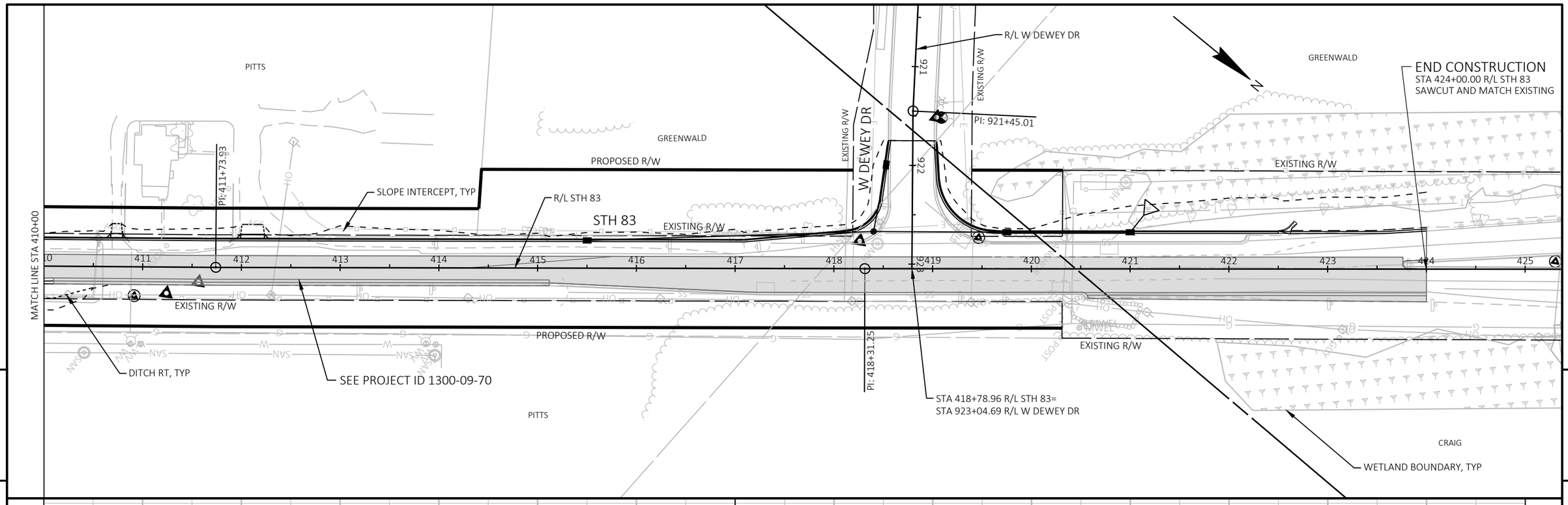


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 89	E

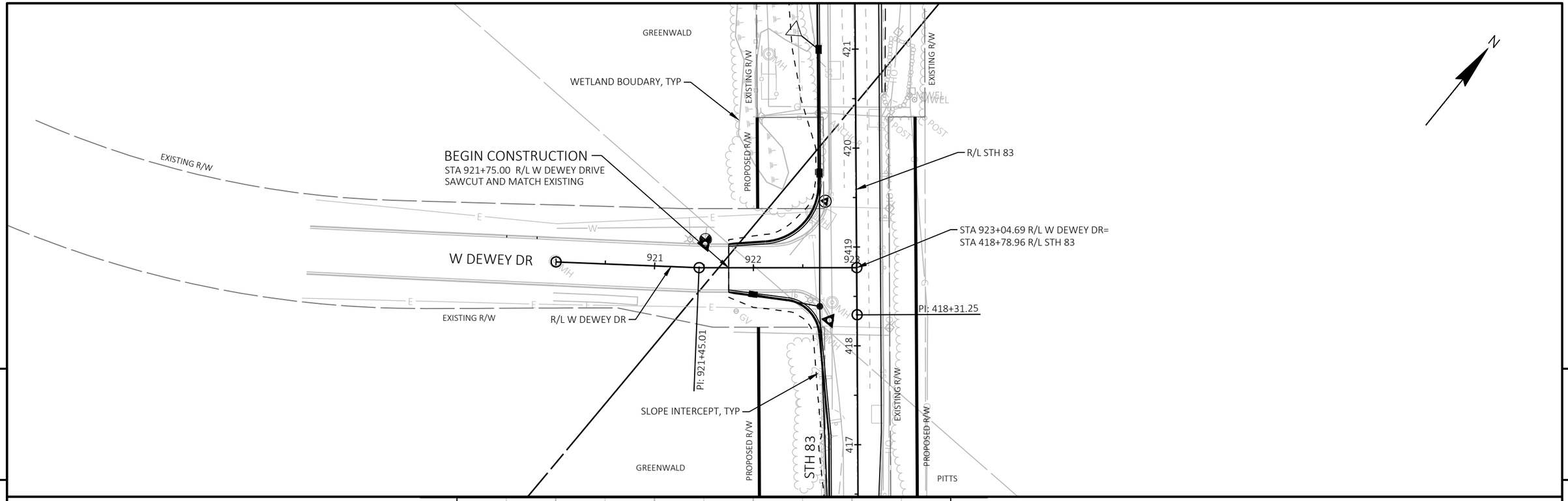
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LAYOUT NAME - 5-83-02-pp

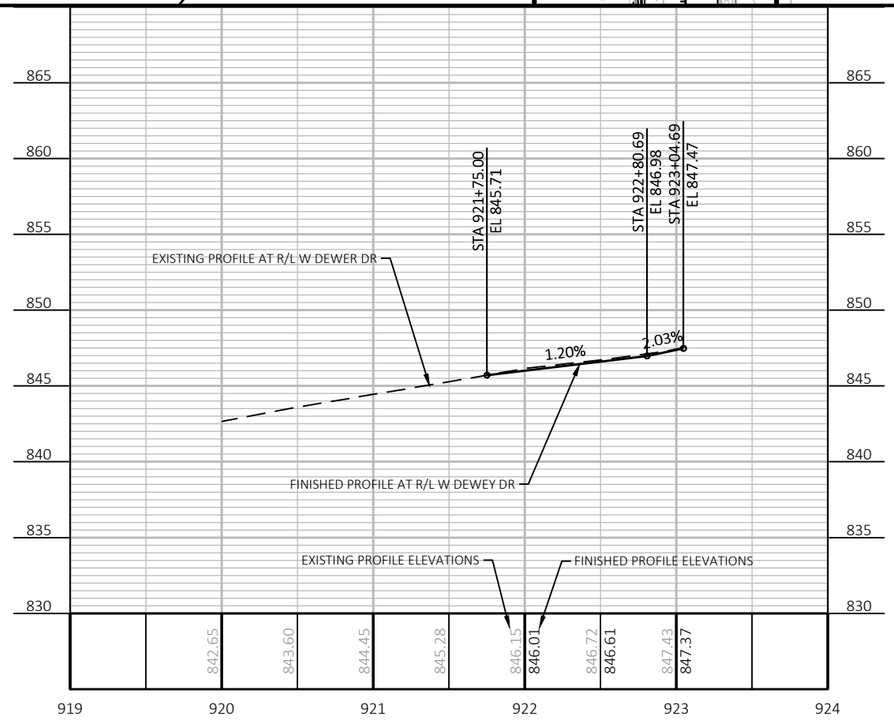
PLOT DATE : 10/2/2022 2:21 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PLAN AND PROFILE - STH 83	SHEET 90	E





PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	PLAN AND PROFILE - W DEWEY DR	SHEET 91	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\050106-PP.DWG
LAYOUT NAME - 6-Dewey Dr

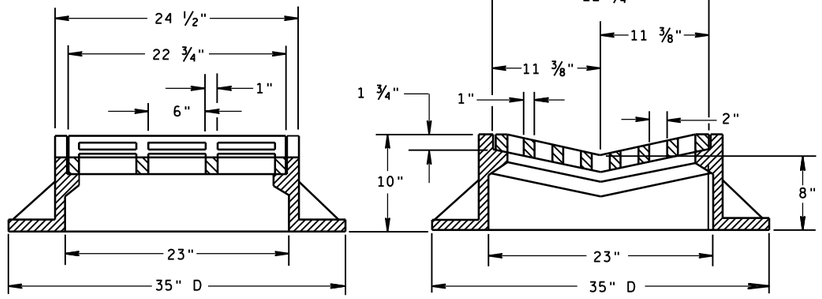
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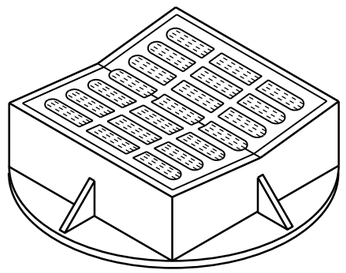
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

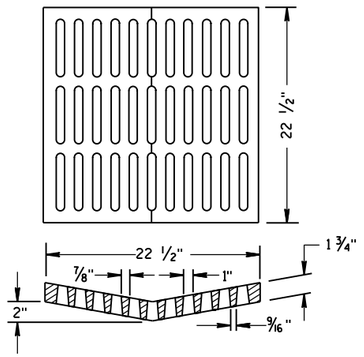
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-03	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
11B02-02	CONCRETE MEDIAN NOSE
13C19-03	HMA LONGITUDINAL JOINTS
14B28-04A	GUARDRAIL MOW STRIP
14B28-04B	GUARDRAIL MOW STRIP
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-22A	LONGITUDINAL MARKING (MAINLINE)
15C08-22B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-22C	PAVEMENT MARKING (TURN LANES)
15C08-22D	PAVEMENT MARKING (TURN LANES)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-06A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-06B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-06C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D30-07A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-07C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6



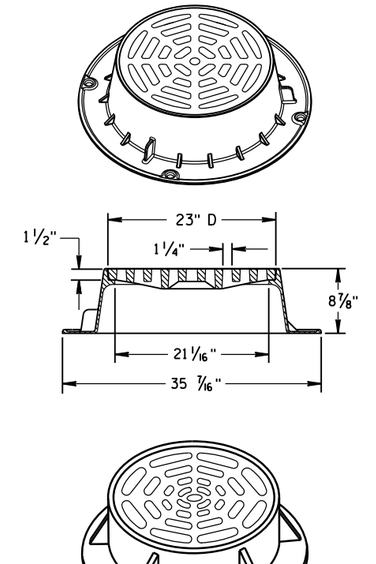


TYPE "B"



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"

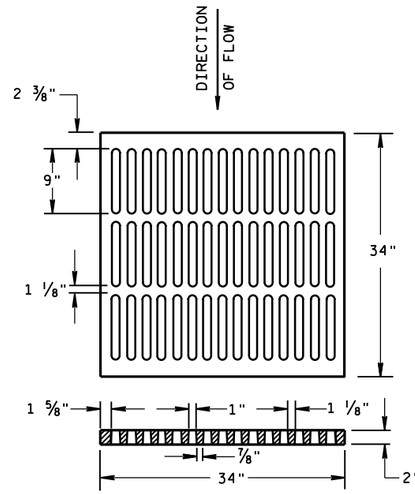
NOTE: EITHER CASTING IS ACCEPTABLE

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.

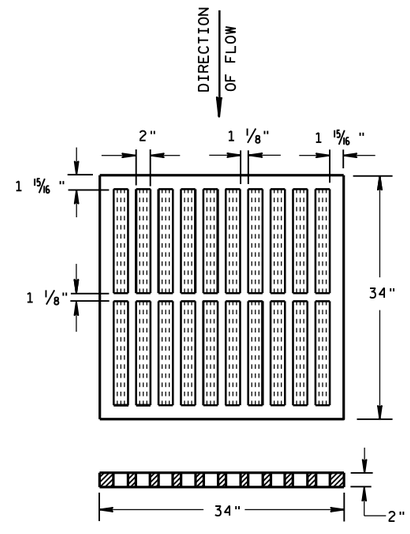
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



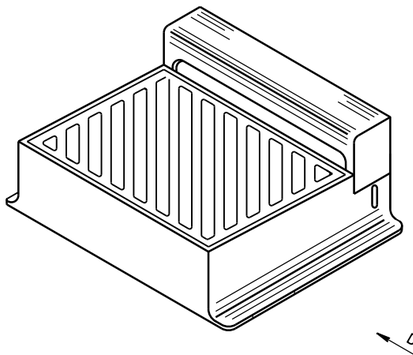
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

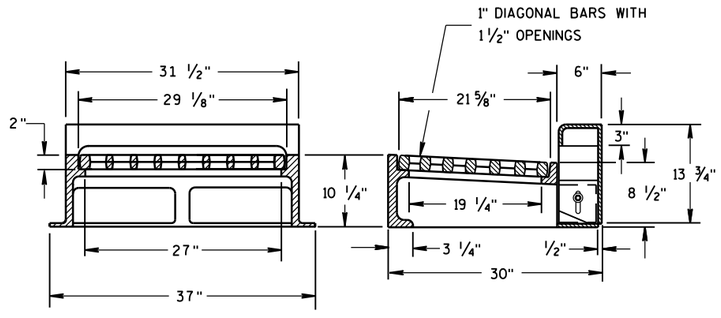


TYPE "MS"

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"

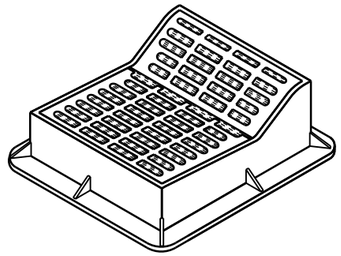
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

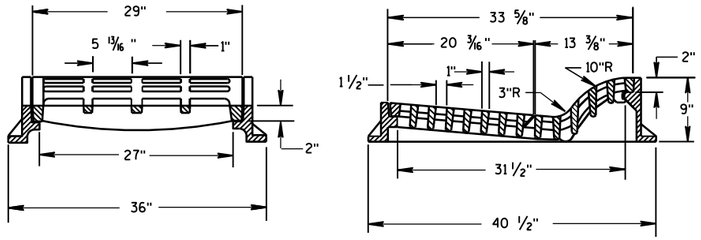
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

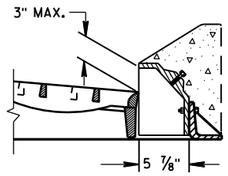
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

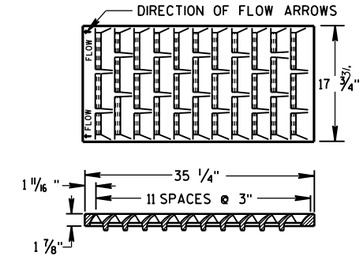
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

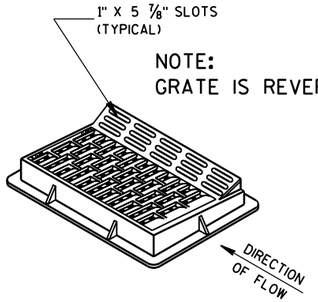
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

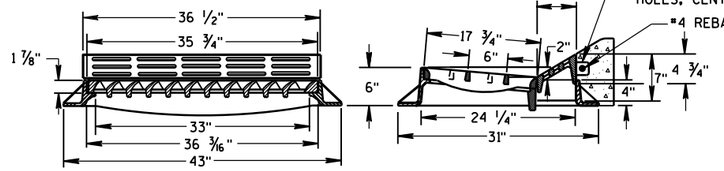
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



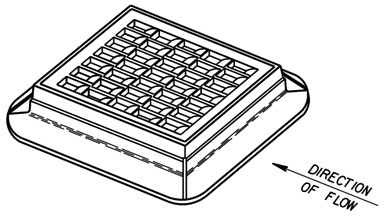


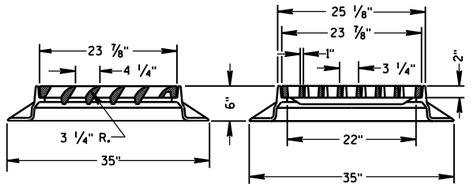


TYPE "HM"

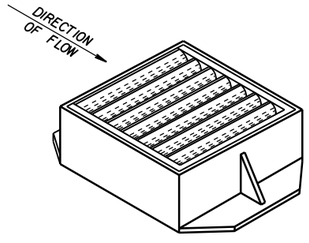
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

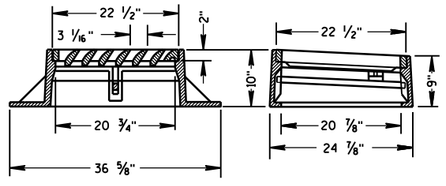
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



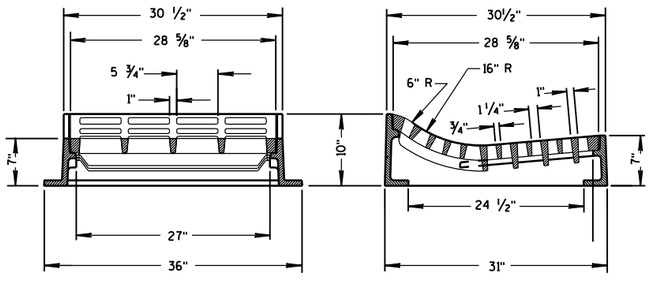


TYPE "S"



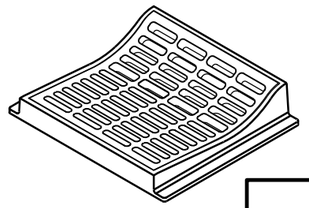


TYPE "V"



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

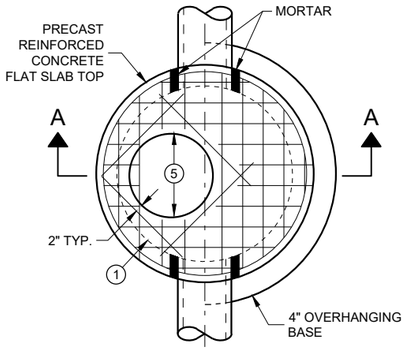
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

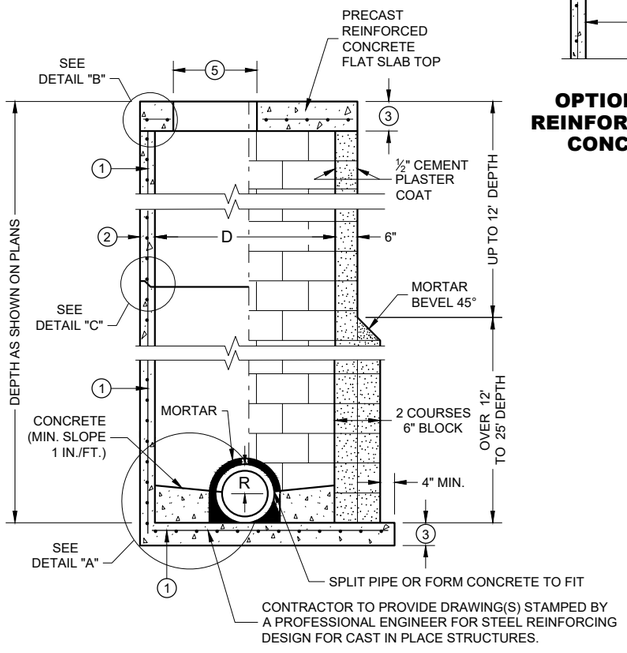
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S.D.D. 8 A 5-19c



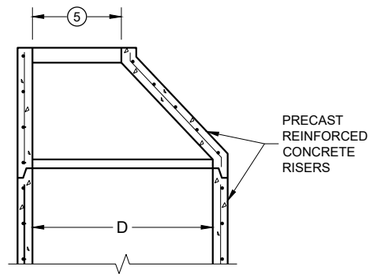
PLAN VIEW
CIRCULAR OPENING



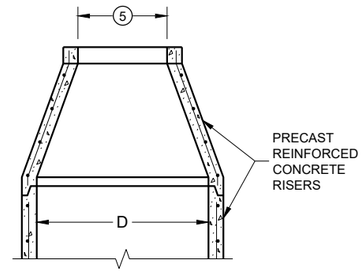
SECTION A - A

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

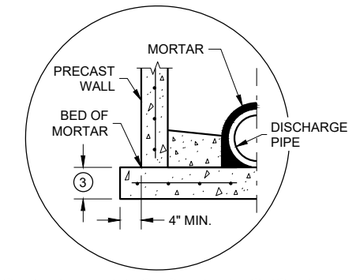
MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

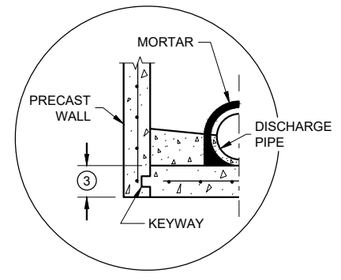
PIPE MATRIX

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.

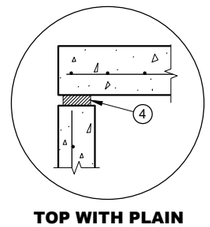


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

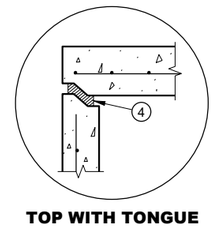


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

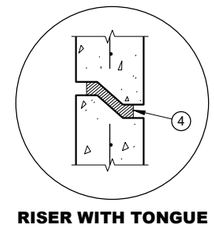
DETAIL "A"



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".

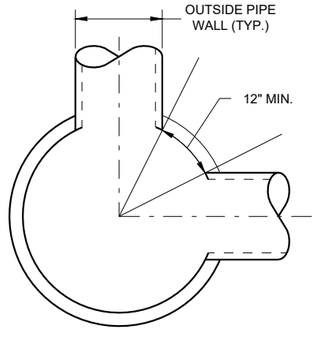
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(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

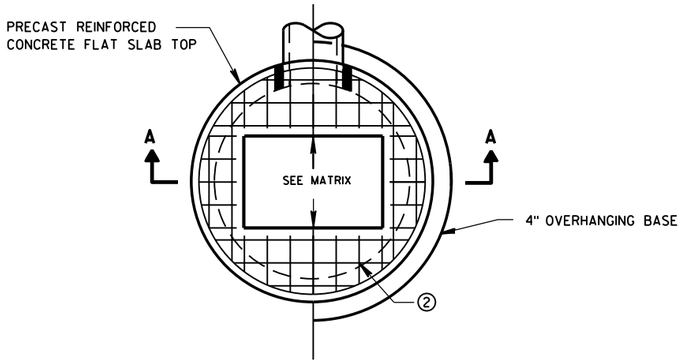
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

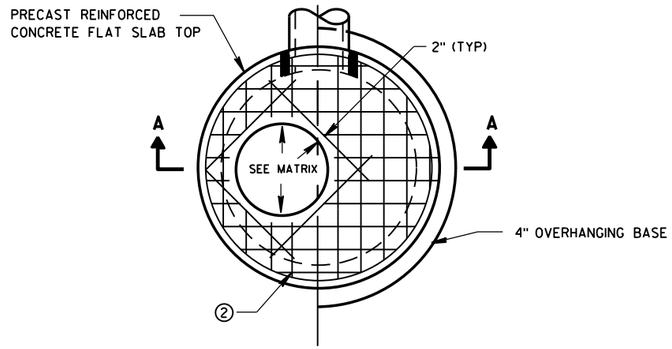
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

6

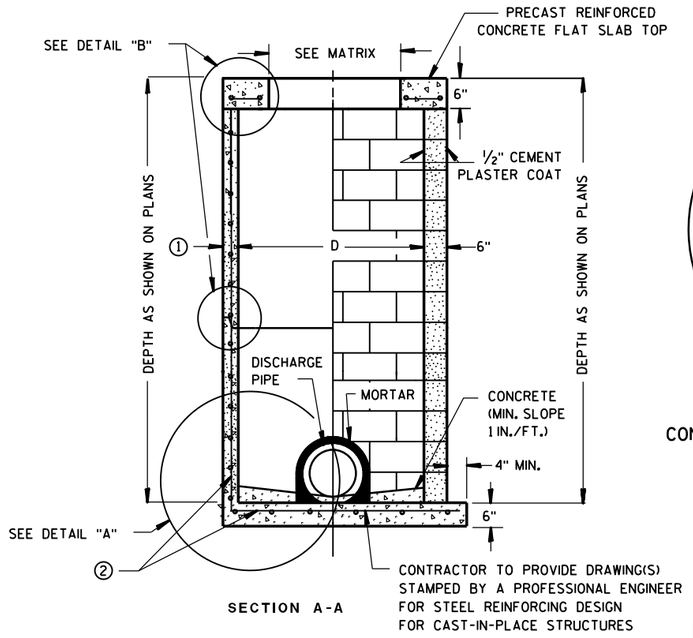
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PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

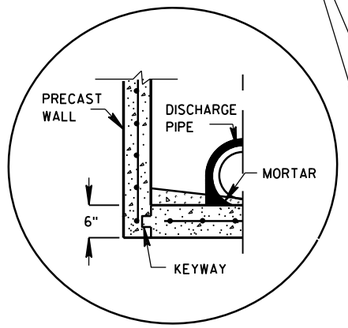


SECTION A-A

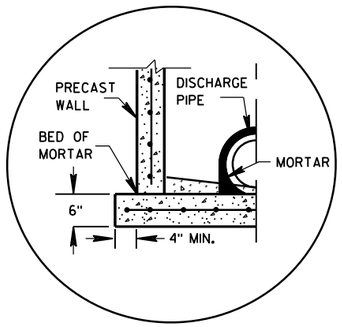
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

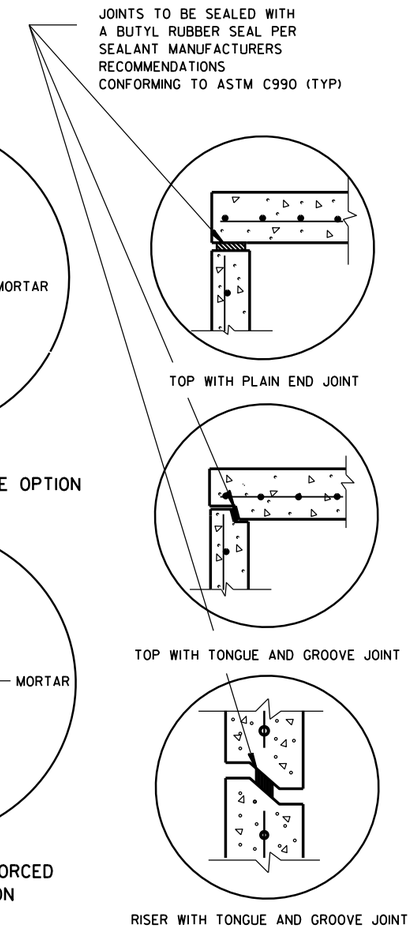


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

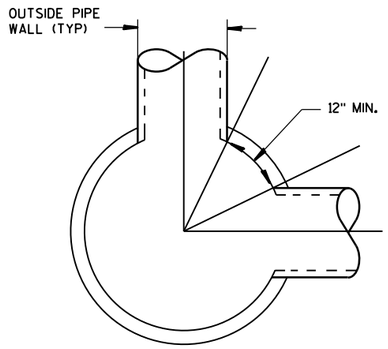
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

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

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

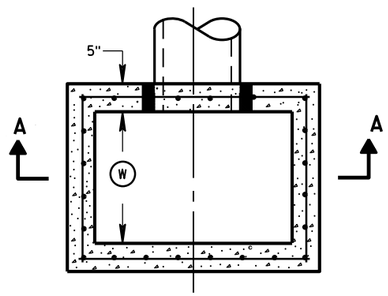
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

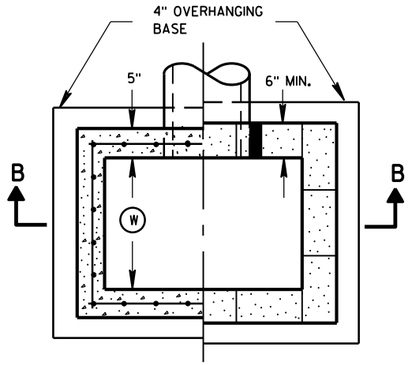
INLETS 3-FT AND 4-FT DIAMETER

6

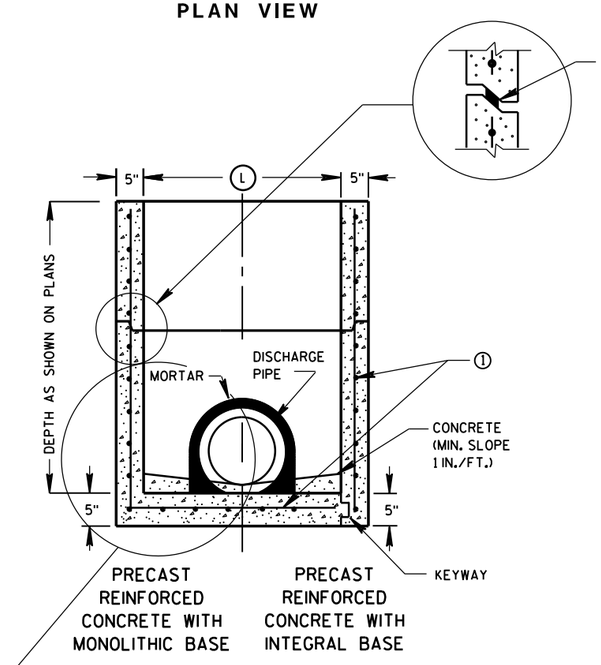
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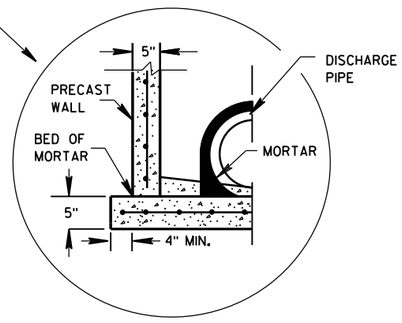
PLAN VIEW



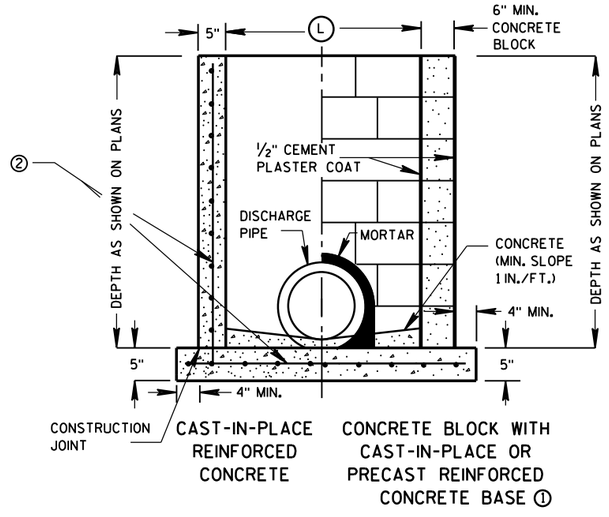
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

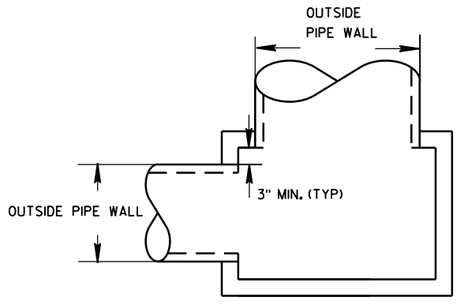
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



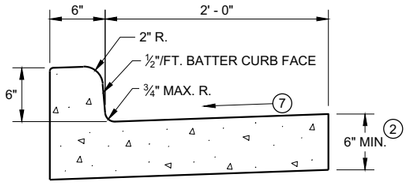
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

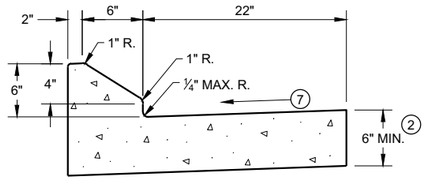
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

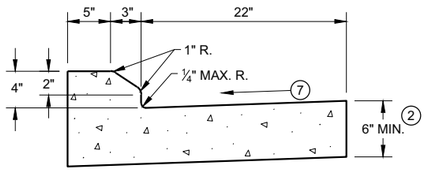
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



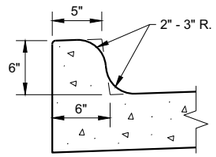
TYPES A (1) & D



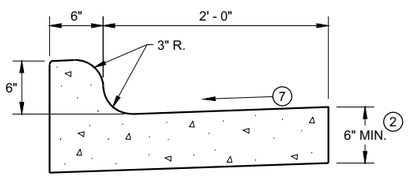
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

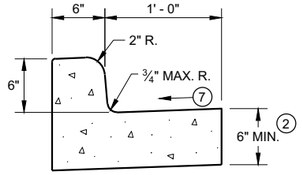


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



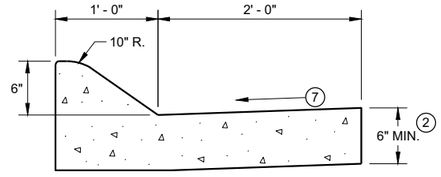
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

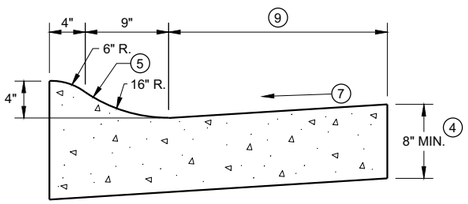
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

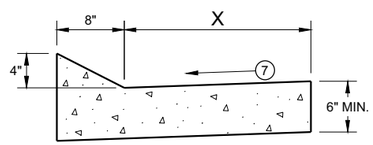
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

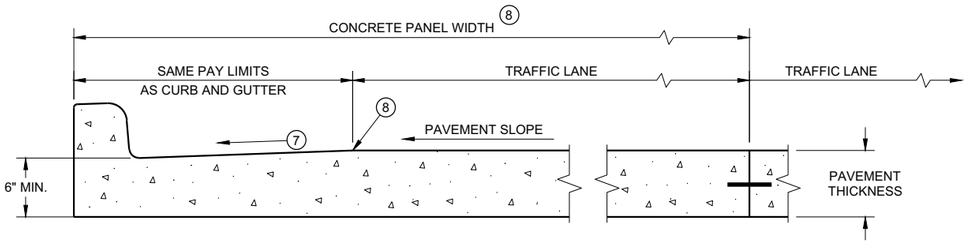


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

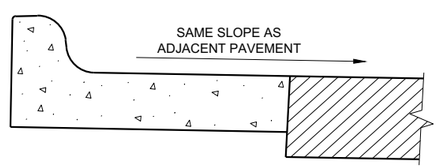
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

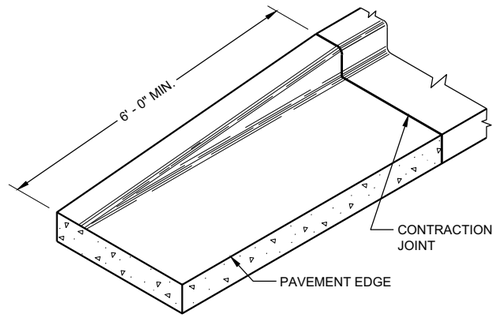
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

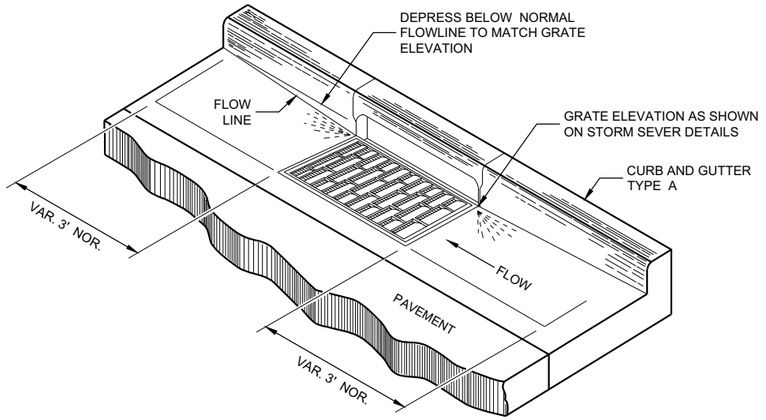
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 22a
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.

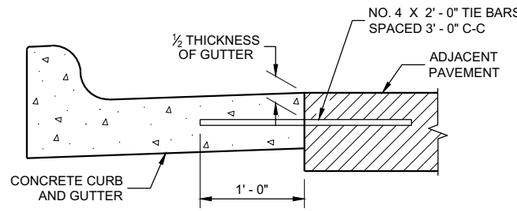
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

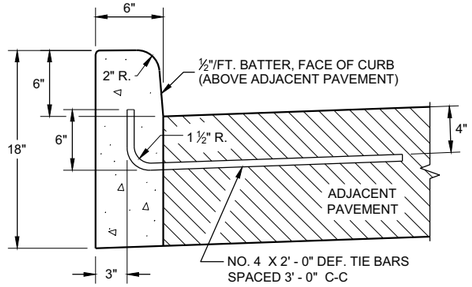
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

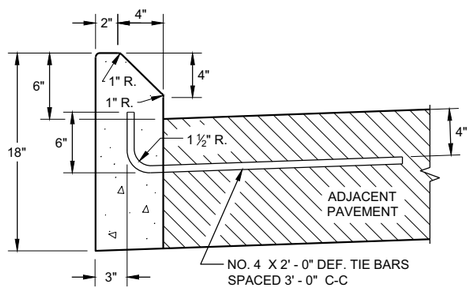
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

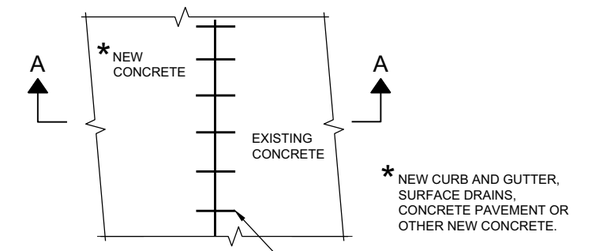


TYPES A (1) & D

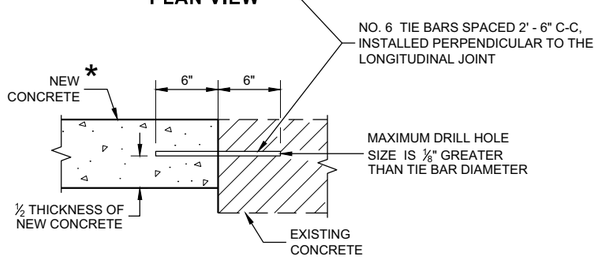


TYPES G (1) & J

CONCRETE CURB

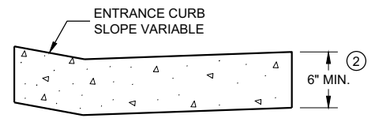


PLAN VIEW



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

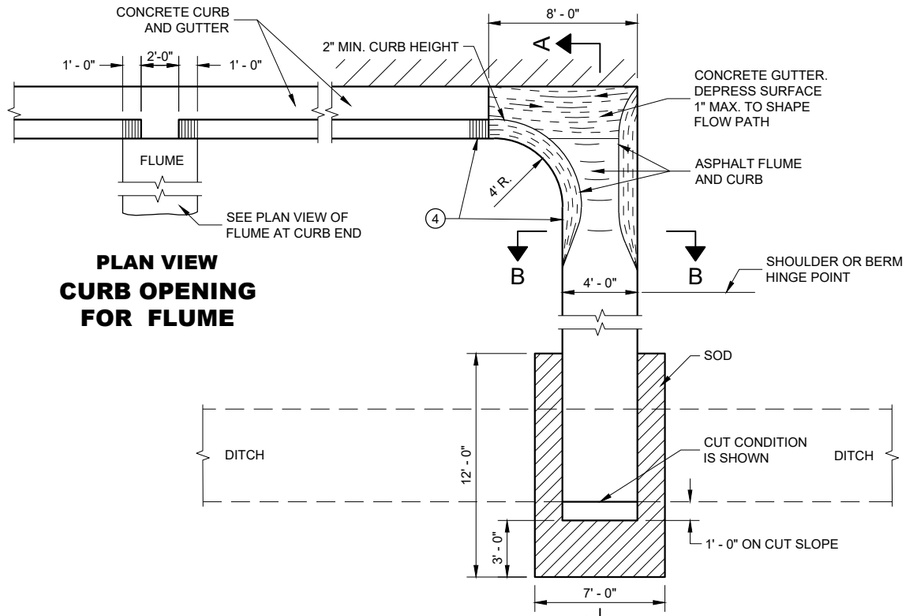
FHWA

6

SDD08D01 - 22b

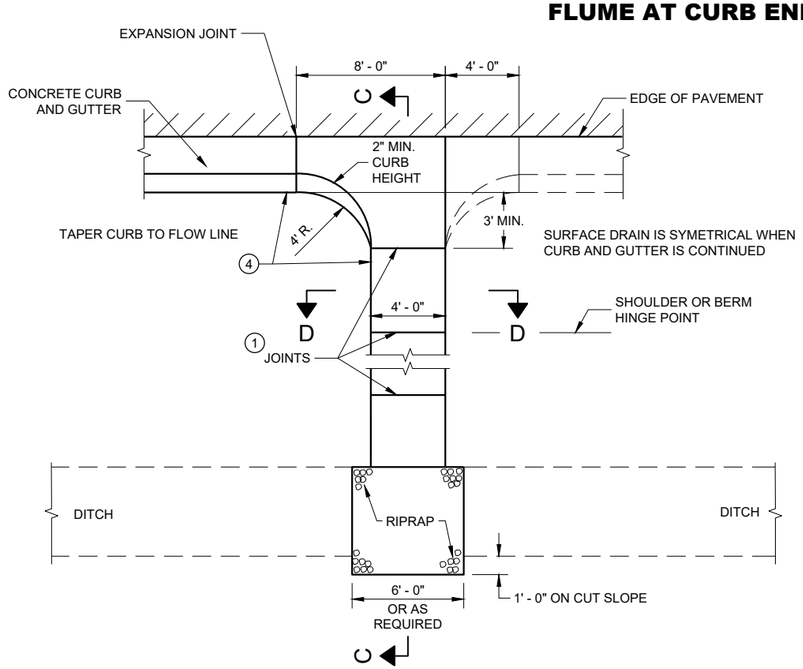
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



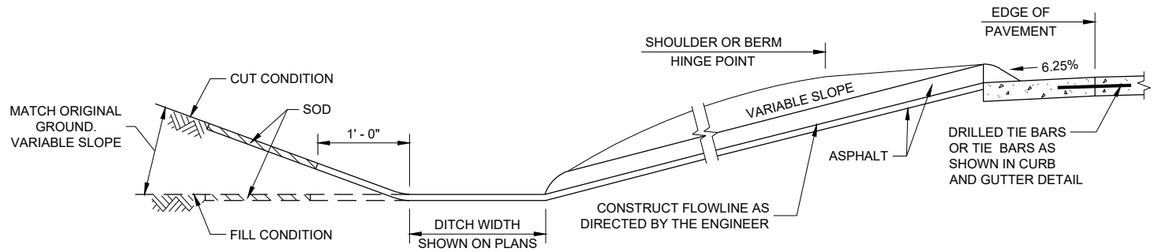
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

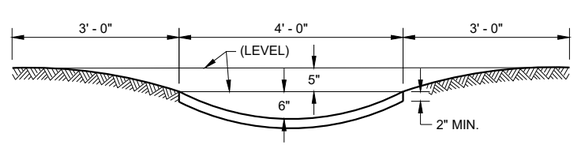
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

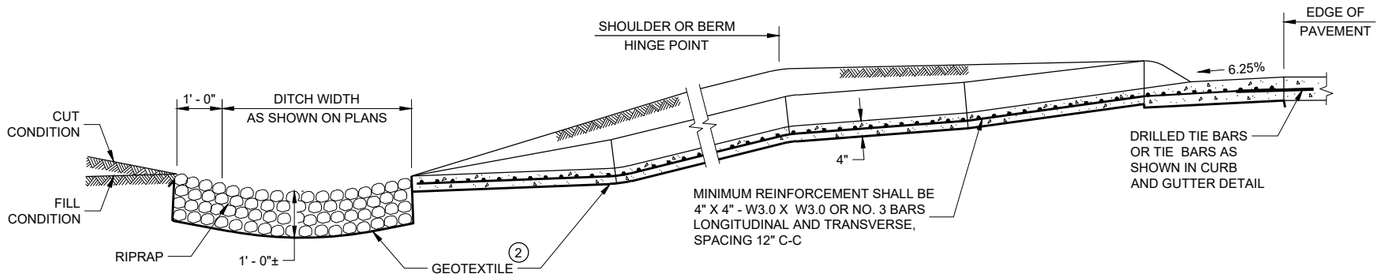
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. 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.



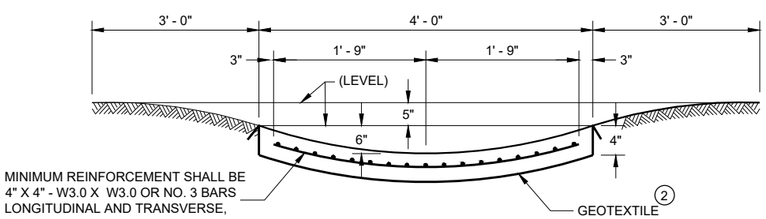
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

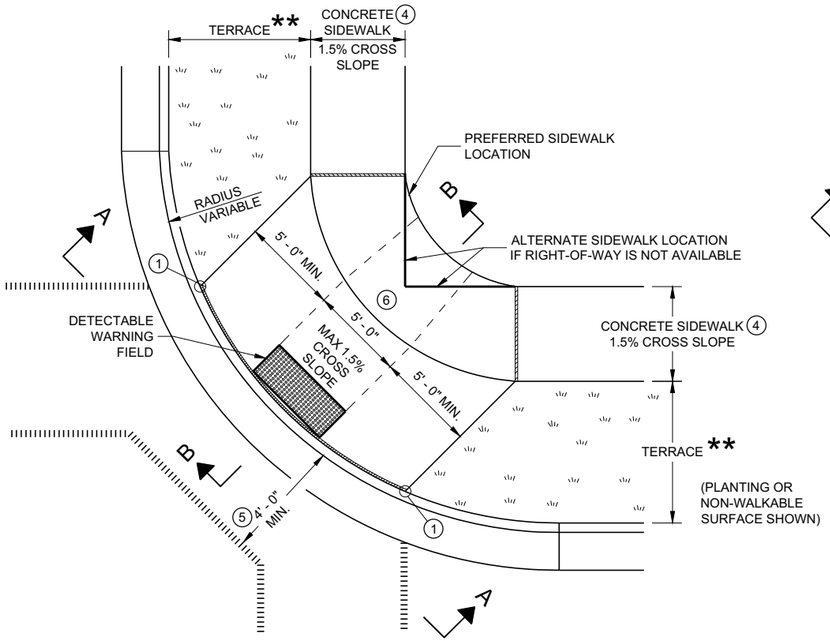
APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08D04 - 06

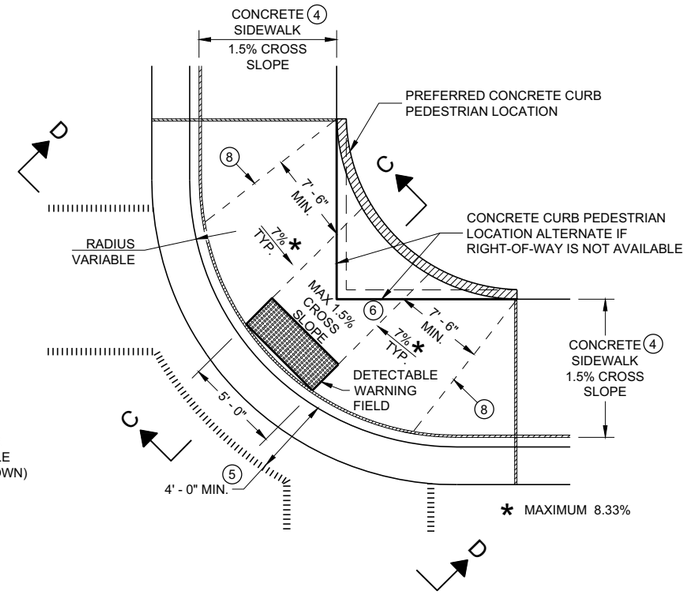
SDD 08D04 - 06



PLAN VIEW

CURB RAMP TYPE 1

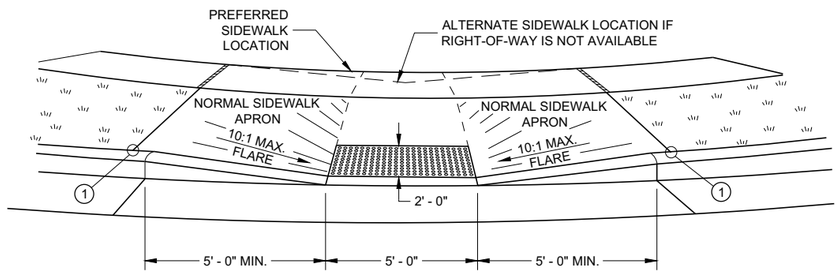
(CENTER OF CORNER RADIUS)



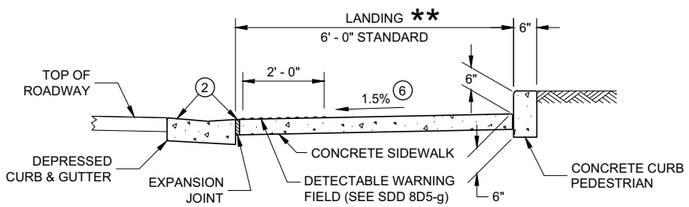
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

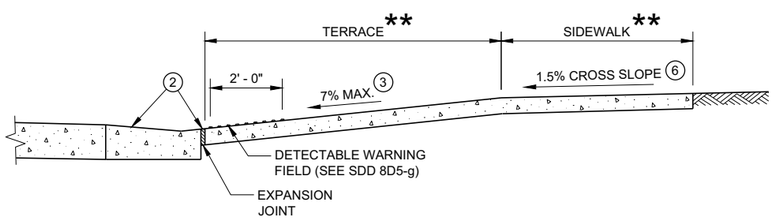


VIEW A - A FOR TYPE 1

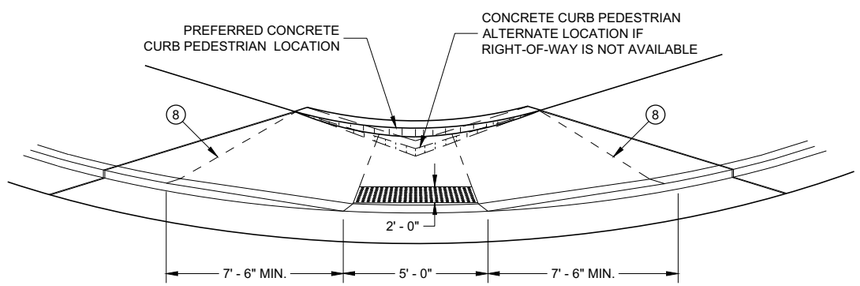


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

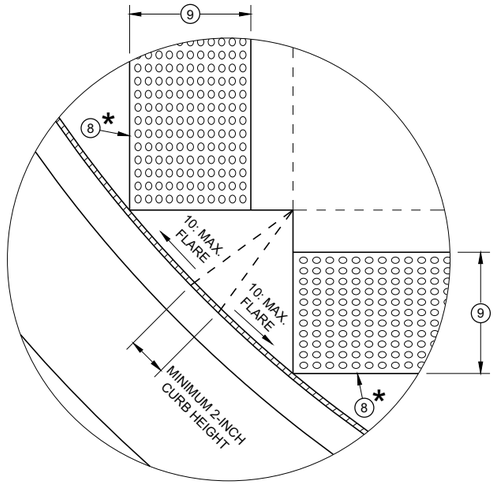
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

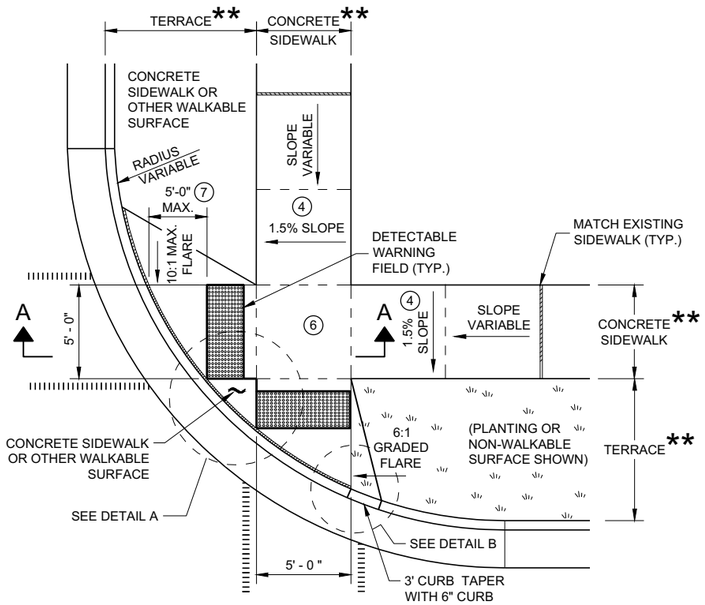
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

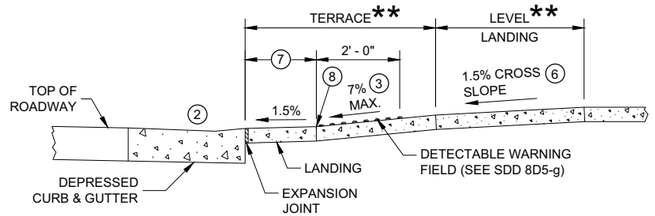
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

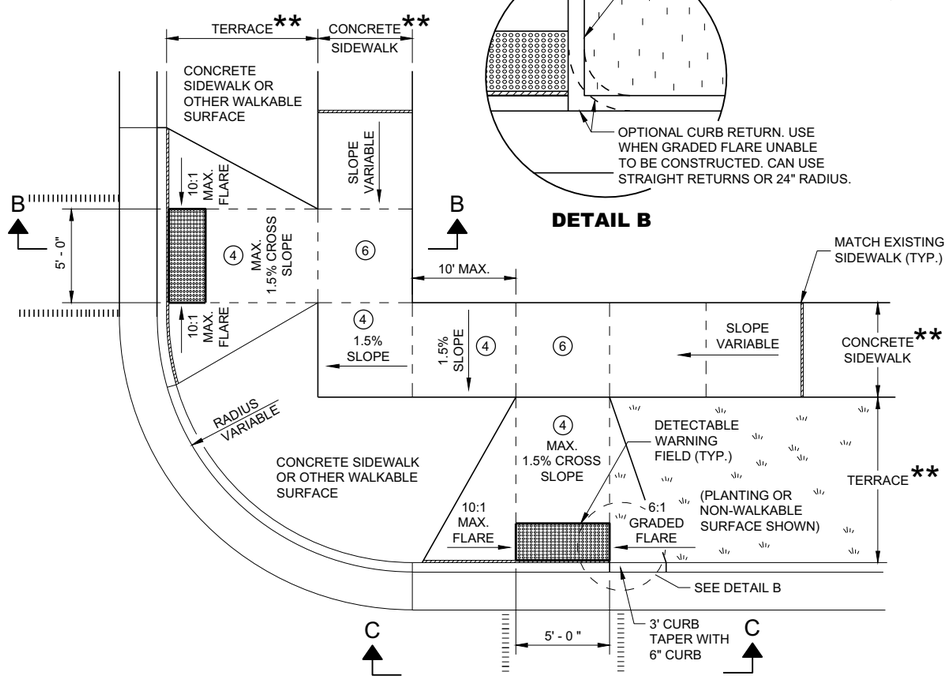
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



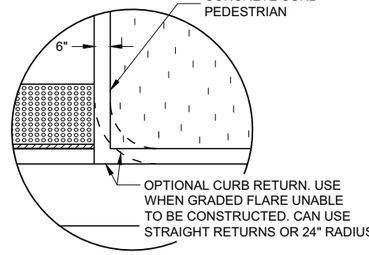
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

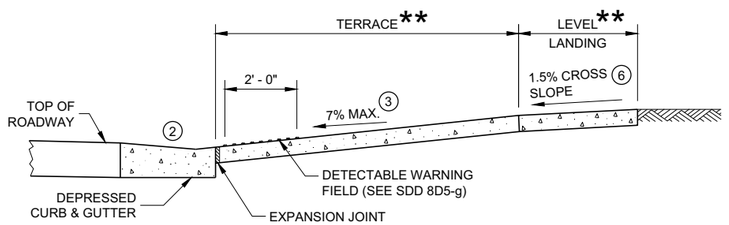
** WIDTH SHOWN ELSEWHERE IN THE PLANS



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



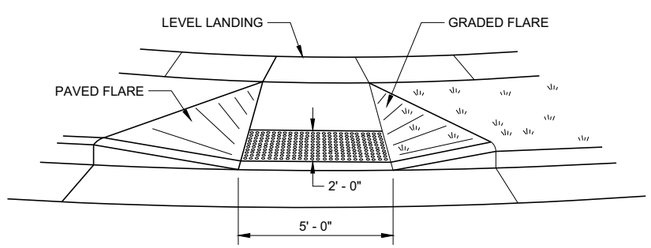
DETAIL B



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

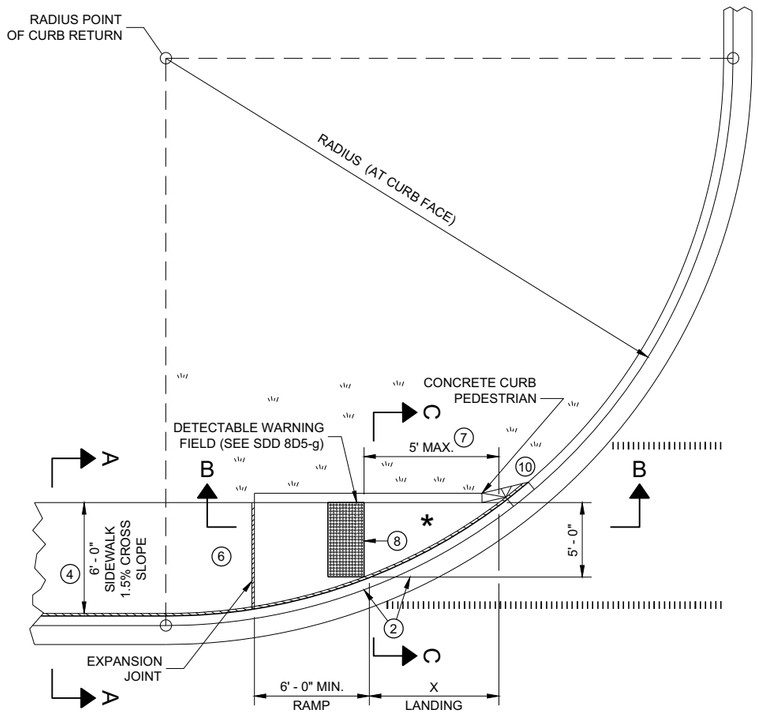
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

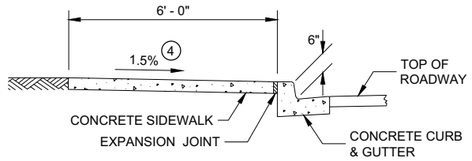


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

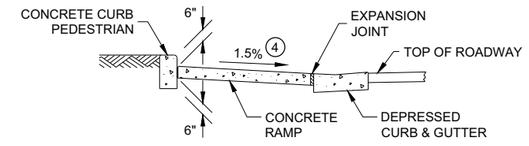
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

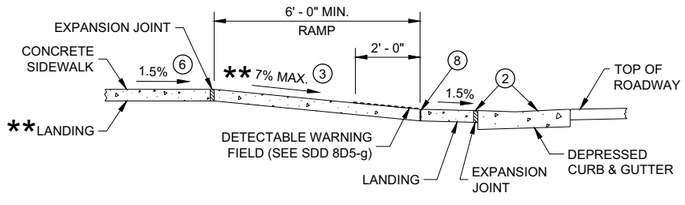
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



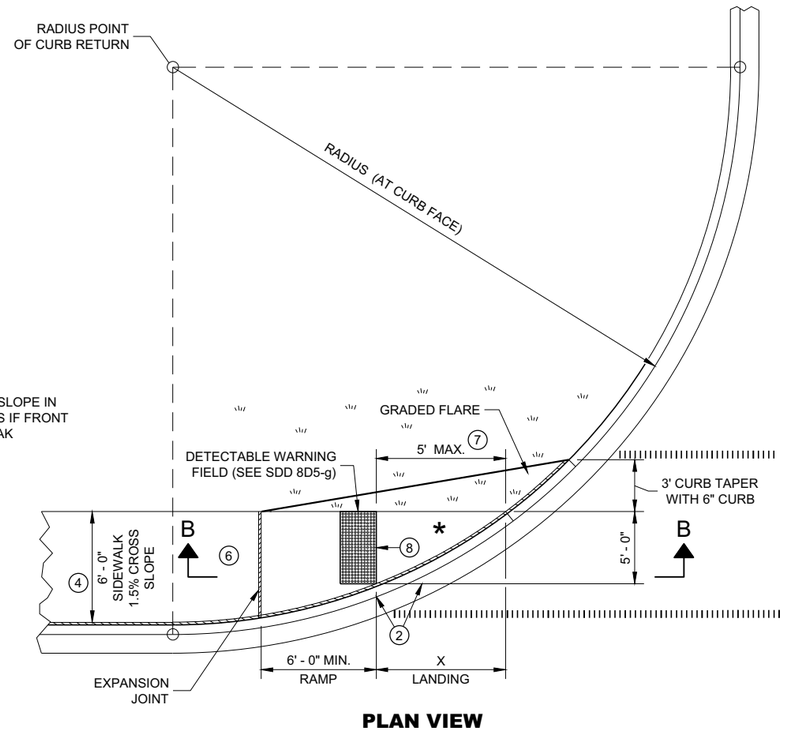
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

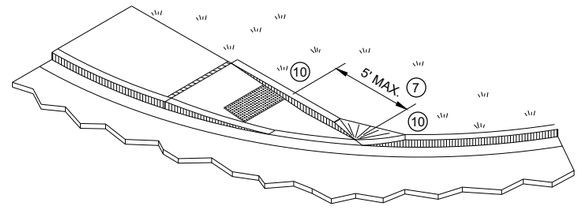
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

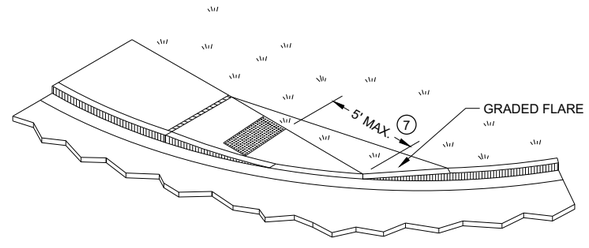


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



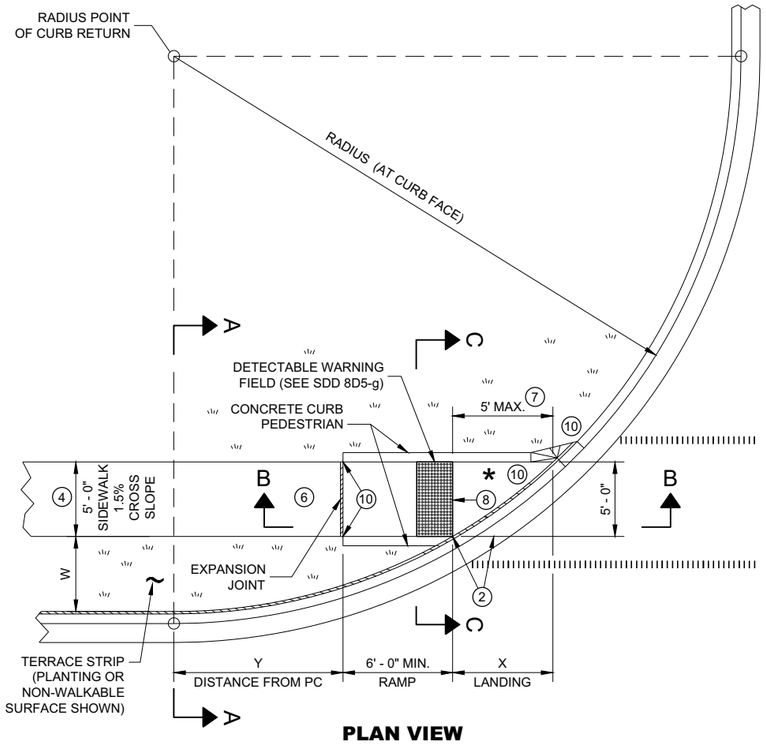
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c

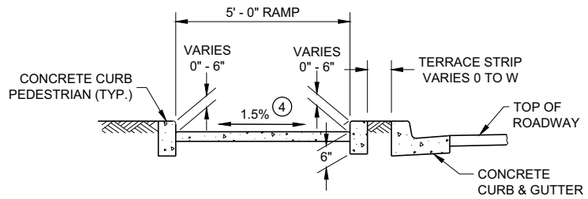


PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

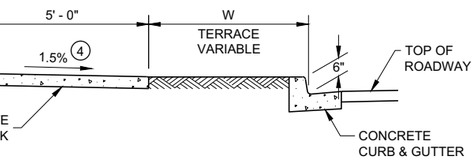
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

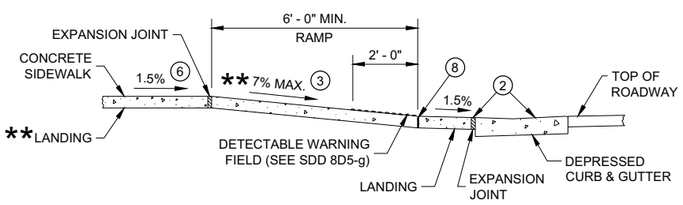
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



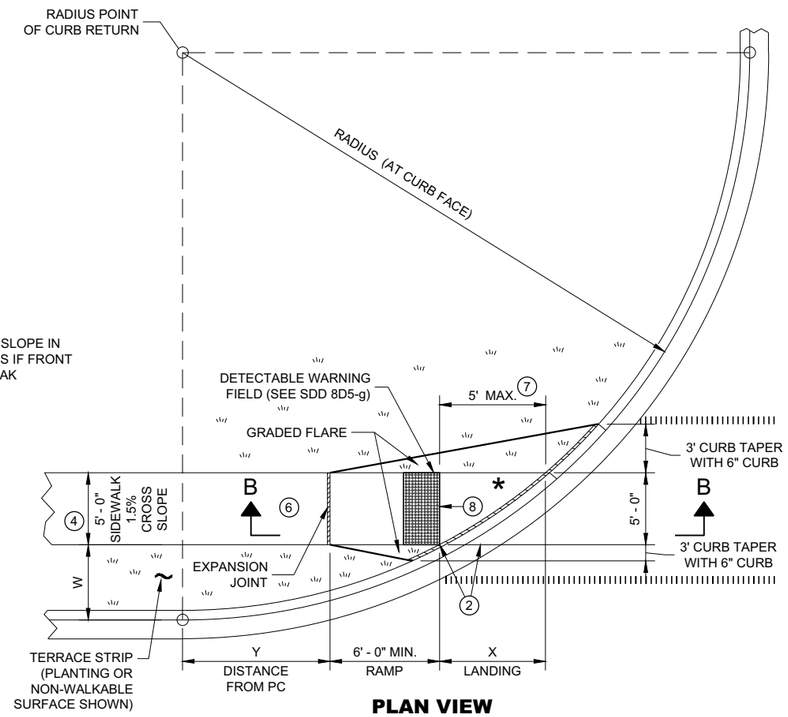
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

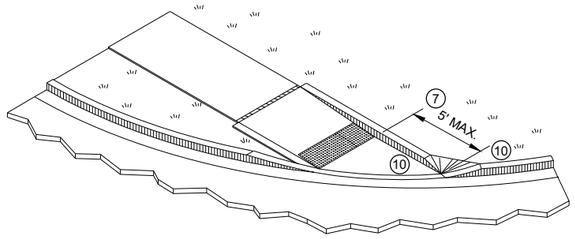
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

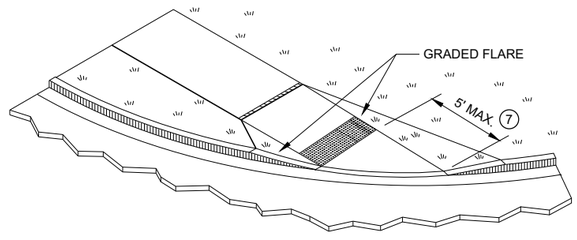


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



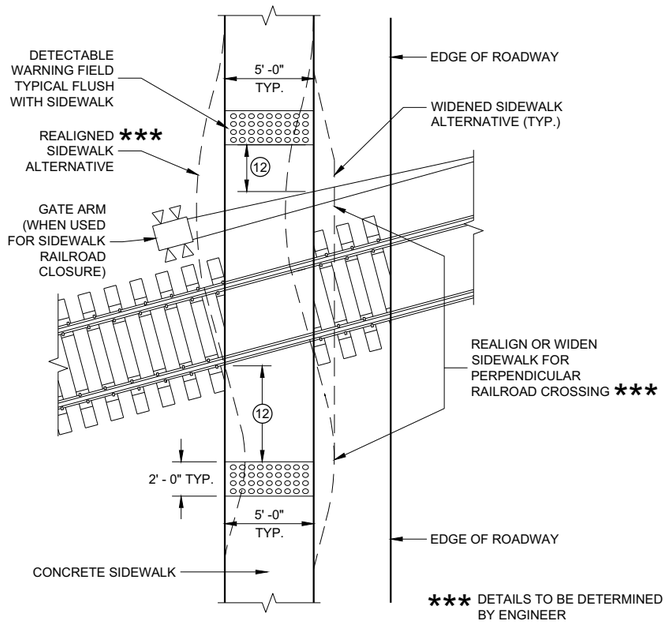
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

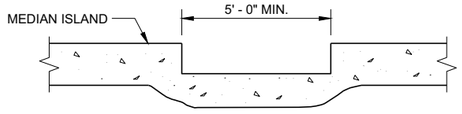
6

SDD 08D05 - 20d

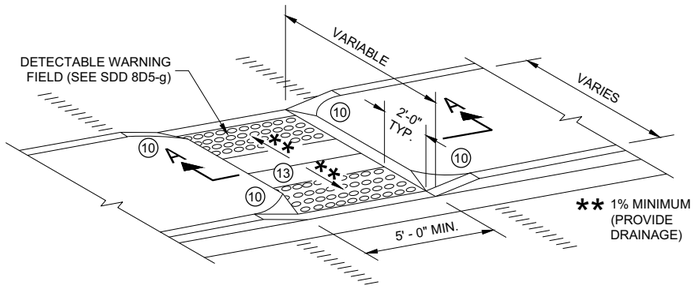


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

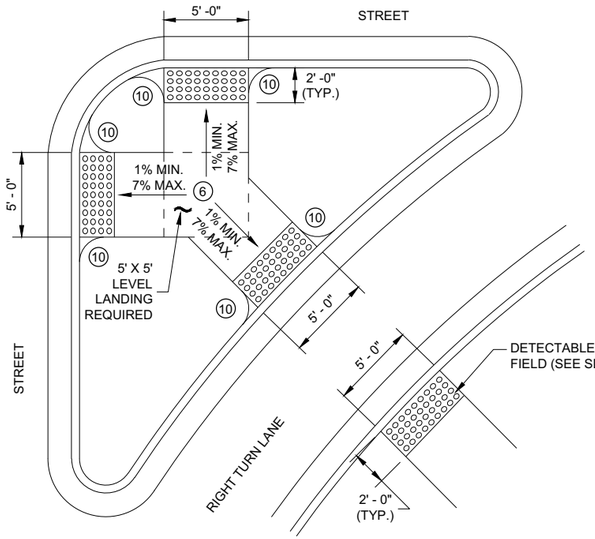
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

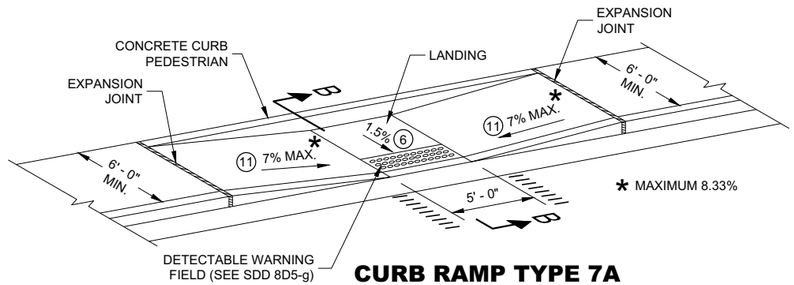
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

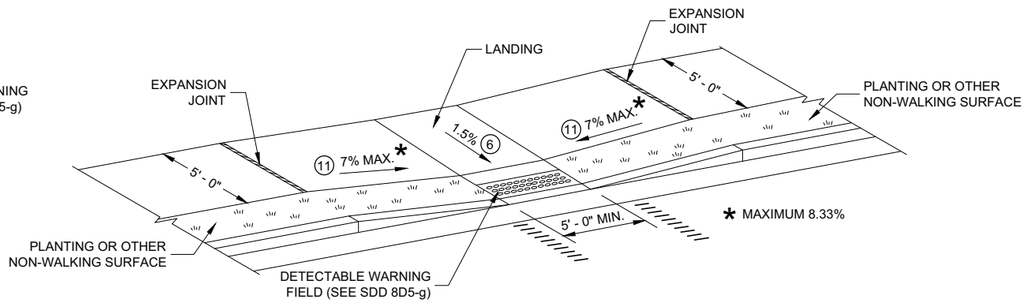
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

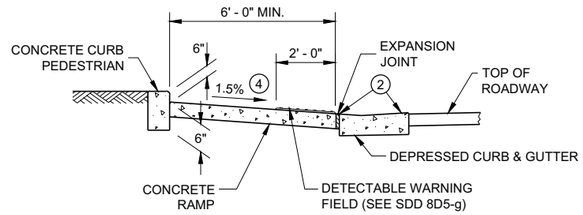
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

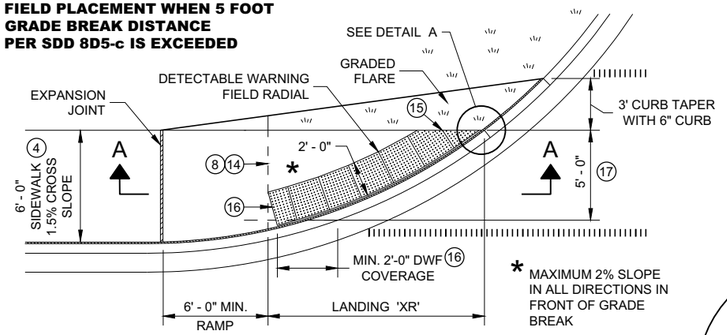
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20e

SDD 08D05 - 20e

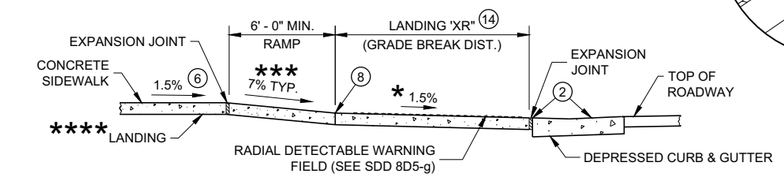
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

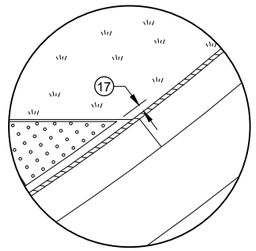
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

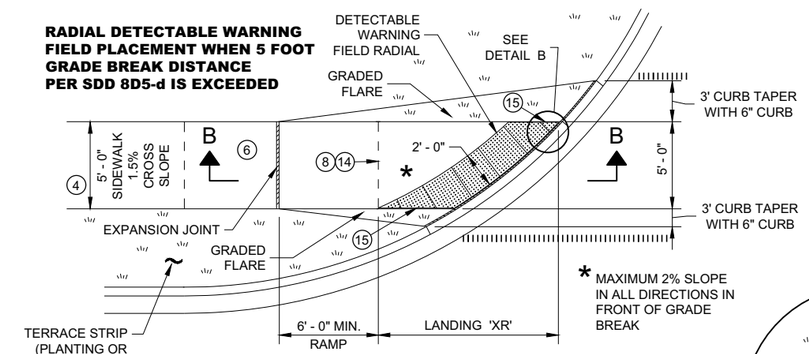
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

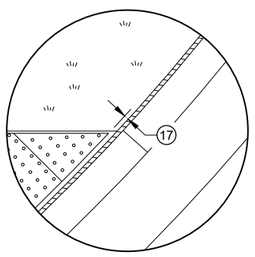
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



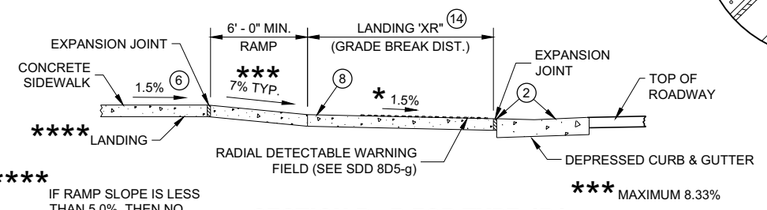
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

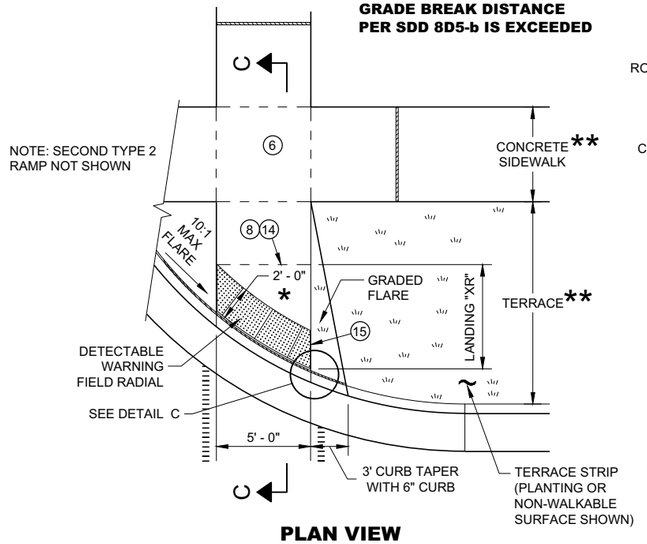


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

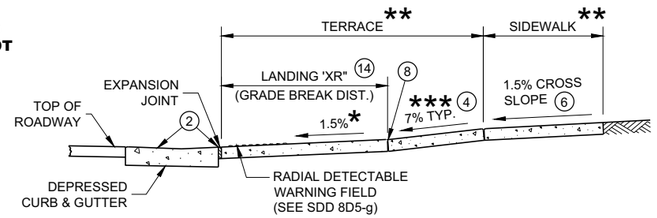


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

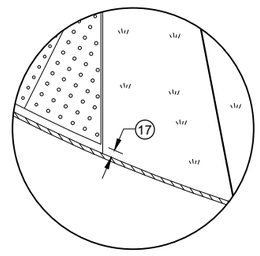


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

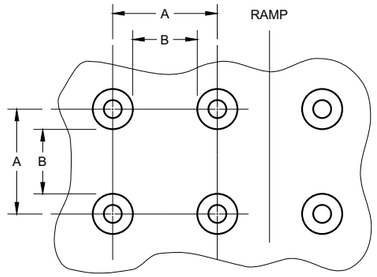
CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

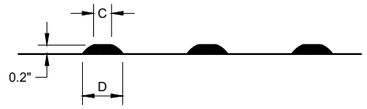
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

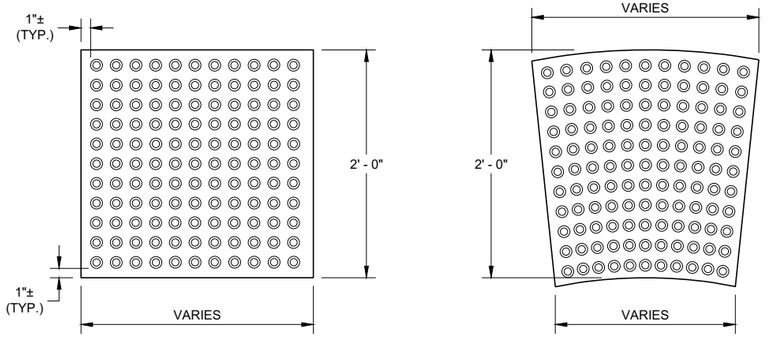


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

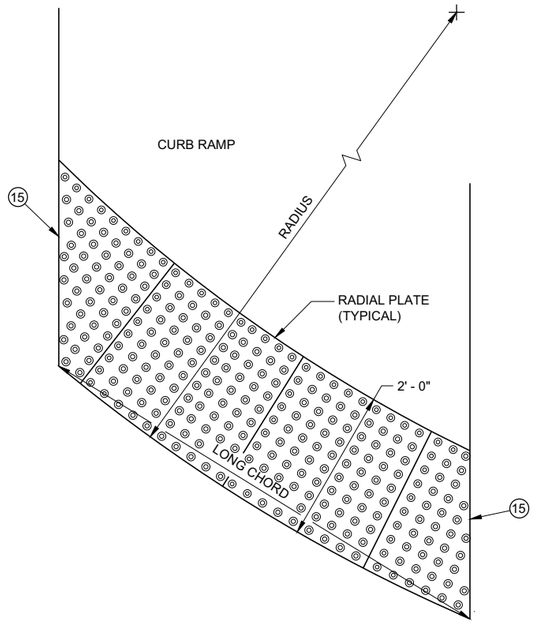
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

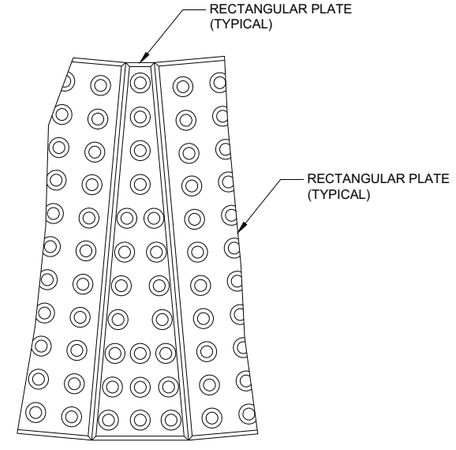
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

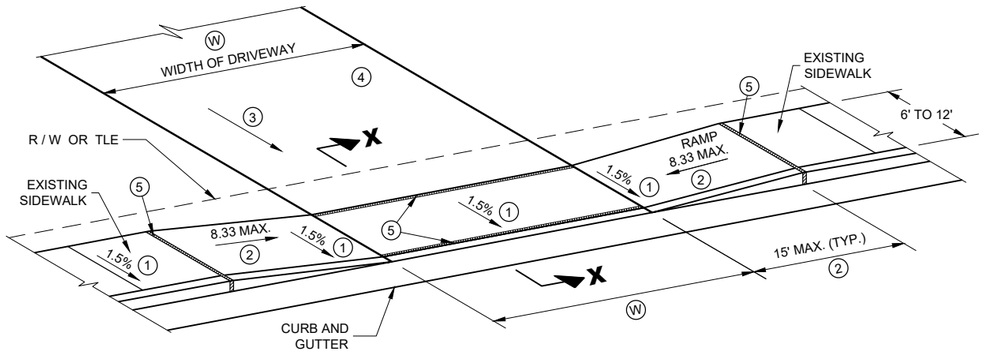
FHWA

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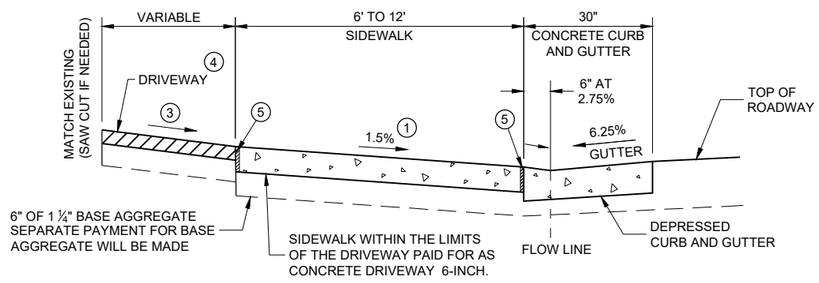
SDD 08D05 - 20g

6

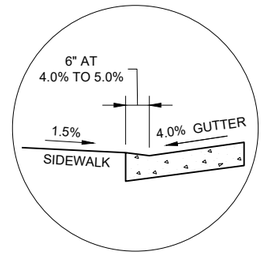
SDD 08D05 - 20g



TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



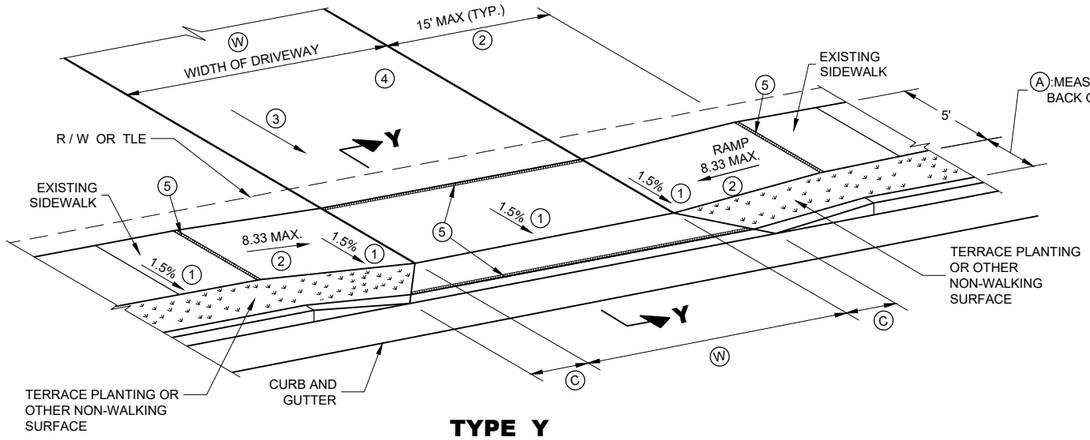
SECTION X - X
4% GUTTER SLOPE

W: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

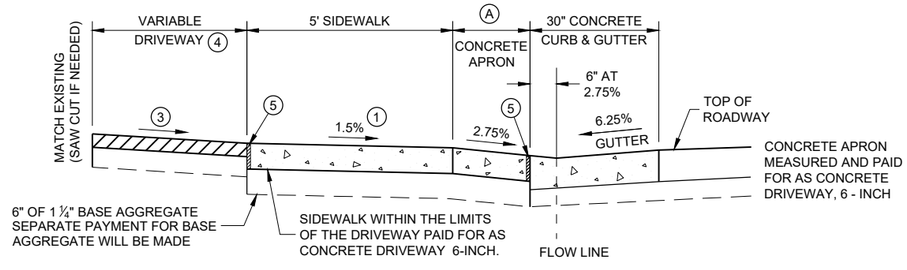
16' MIN. - 35' MAX. COMMERCIAL (CE)

TABLE Y

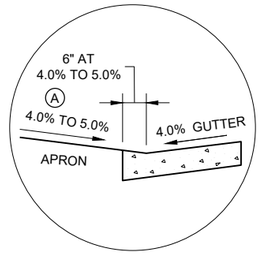
Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

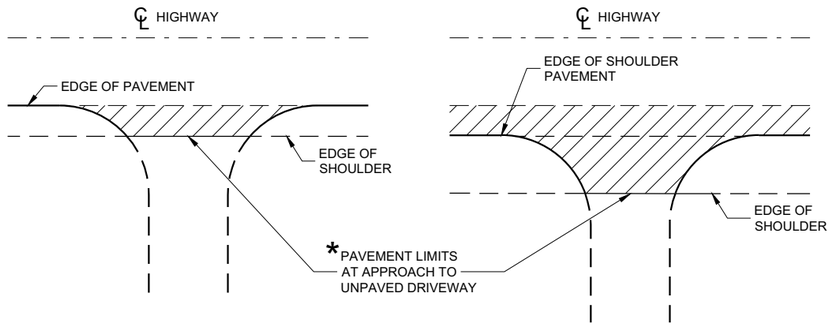
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08D18 - 03

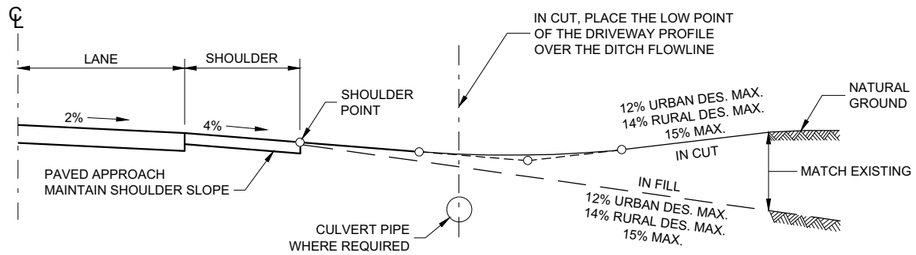
SDD 08D18 - 03



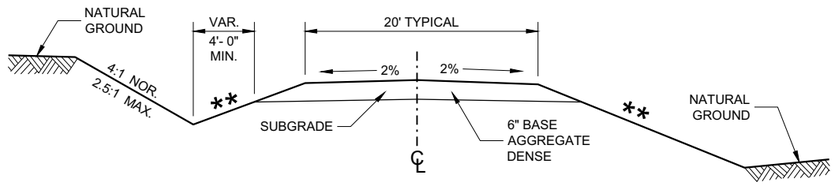
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

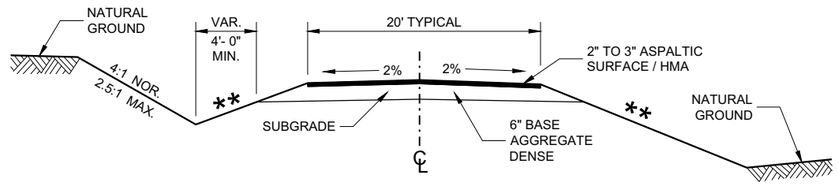


IN CUT **IN FILL**

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

DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

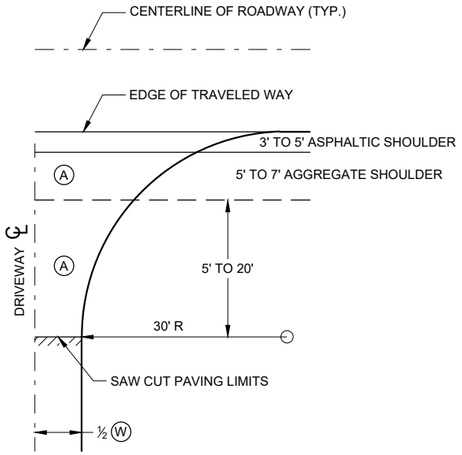
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December 2017 — DATE
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SDD 08D21 - 01

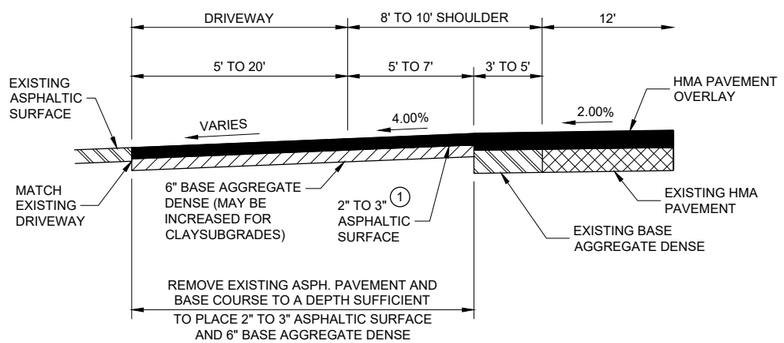
GENERAL NOTES

(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.



PLAN VIEW

HALF SECTION



PROFILE VIEW

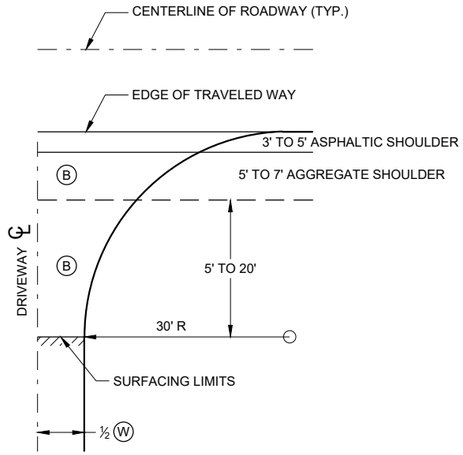
RURAL ENTRANCE WITH ASPHALTIC SURFACE

RESURFACING PROJECTS

(A) : PAID FOR AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. (TON)

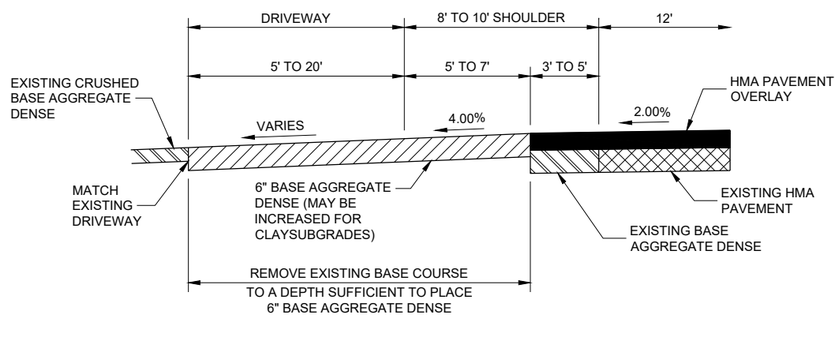
(B) : PAID FOR AS BASE AGGREGATE DENSE 1 ¼" (TON)

(W) : DRIVEWAY WIDTH 16' MIN. - 24' MAX.



PLAN VIEW

HALF SECTION



PROFILE VIEW

RURAL ENTRANCE WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE

RESURFACING PROJECTS

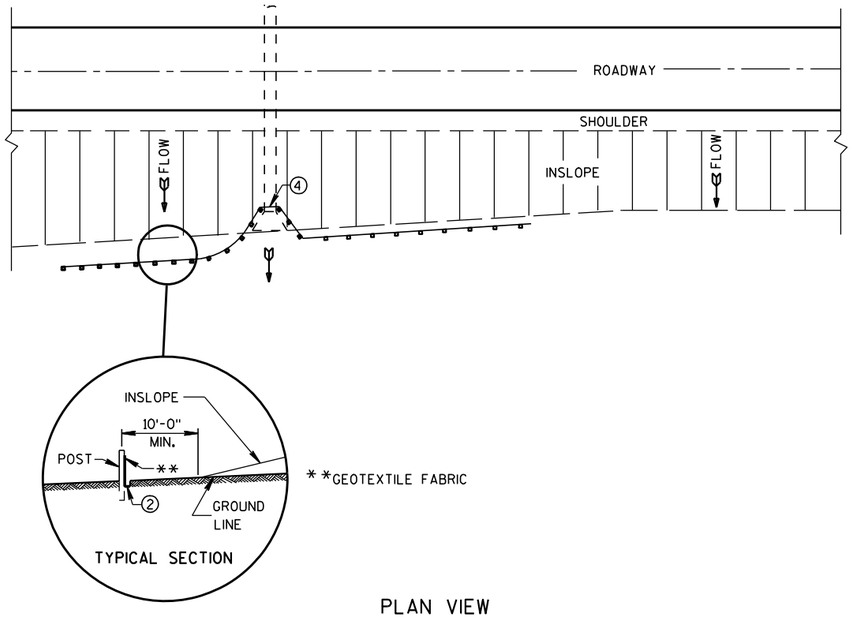
DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL

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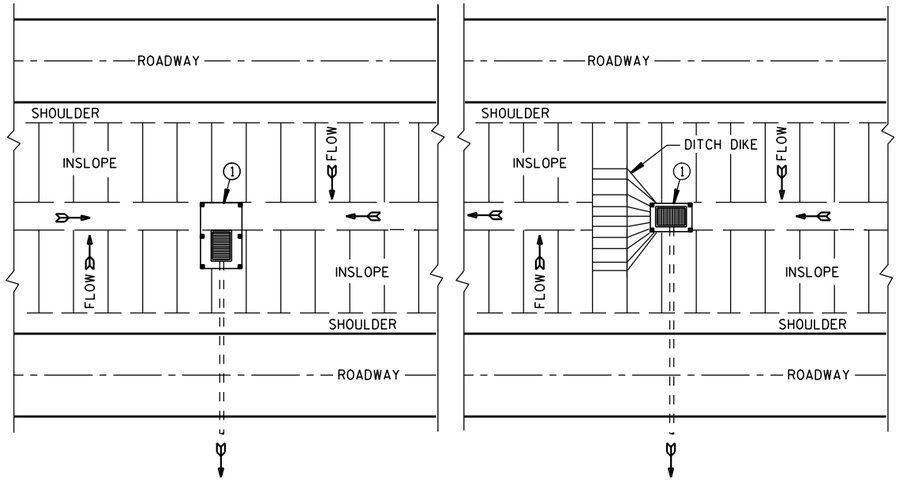
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SDD 08D22 - 01



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.

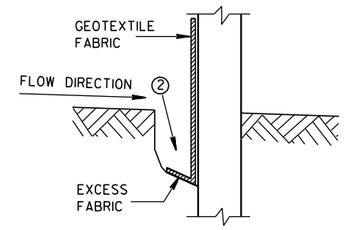
(1) HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

(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.

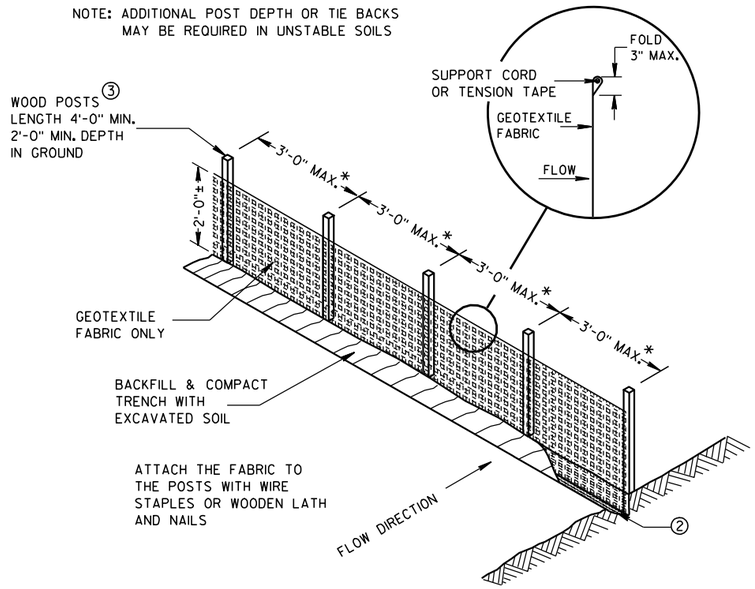
(3) WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

(4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

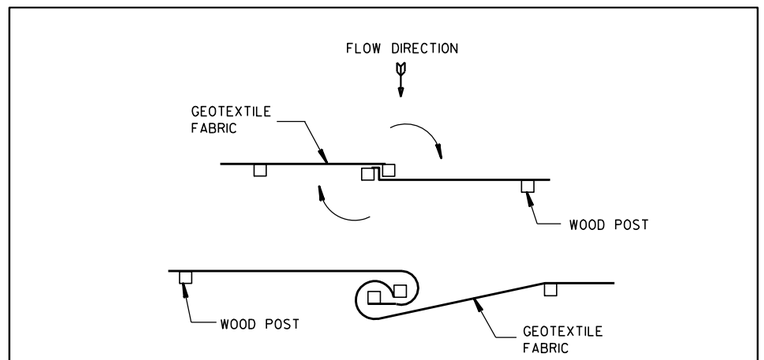
(5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



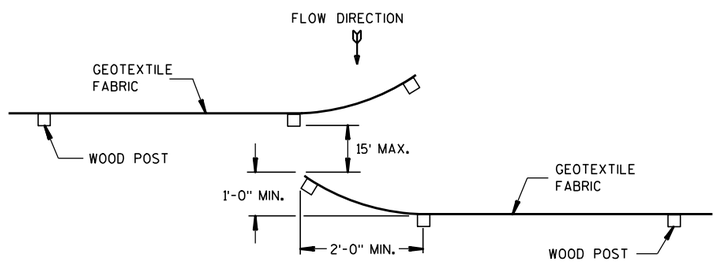
TRENCH DETAIL



SILT FENCE

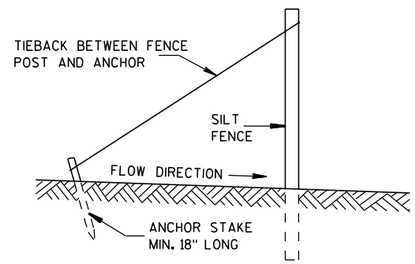


TWIST METHOD



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

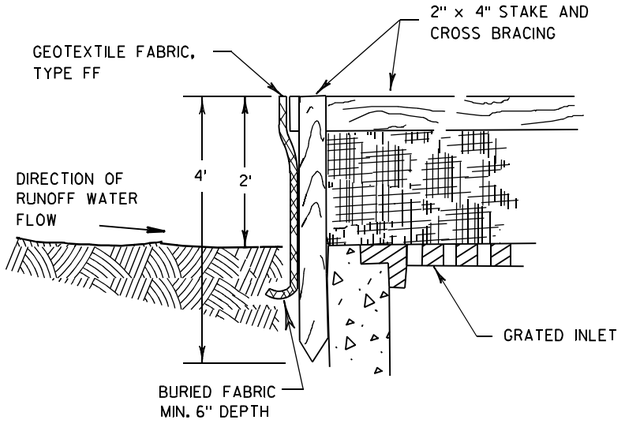
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

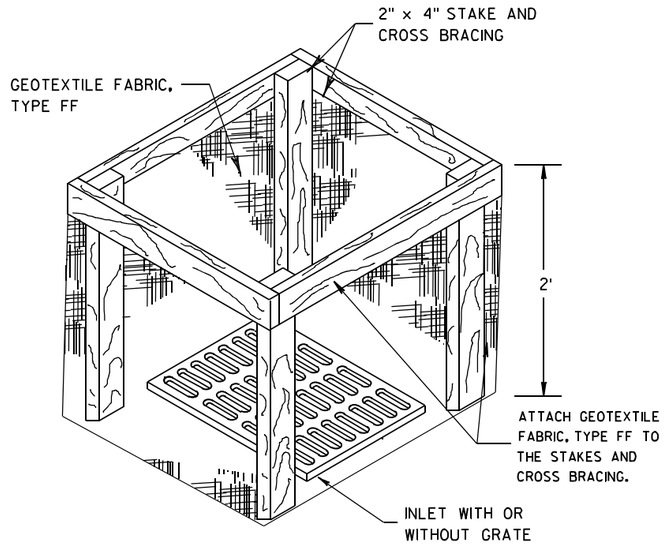
6

S.D.D. 8 E 9-6

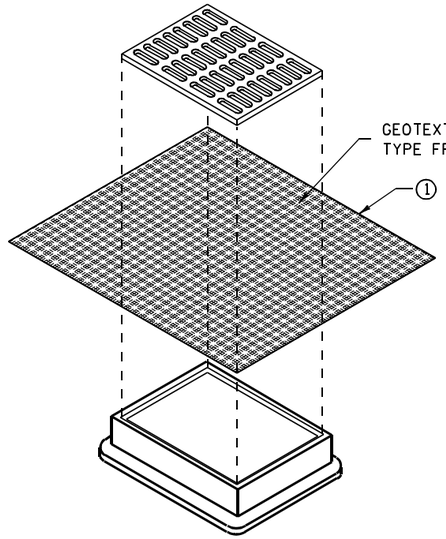
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S.D.D. 8 E 9-6



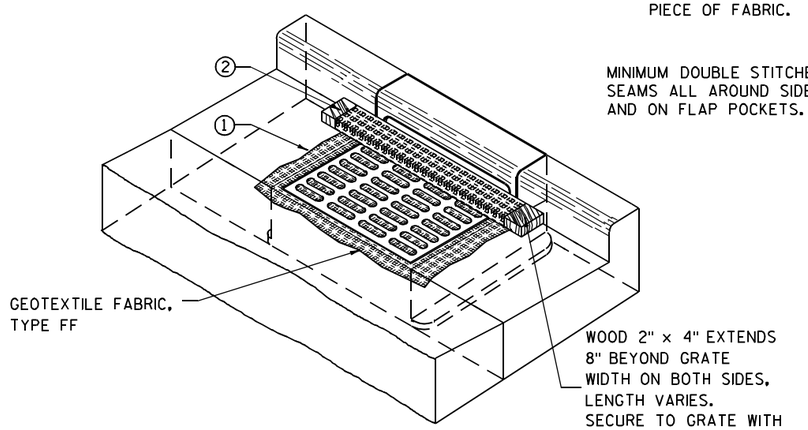


INLET PROTECTION, TYPE A

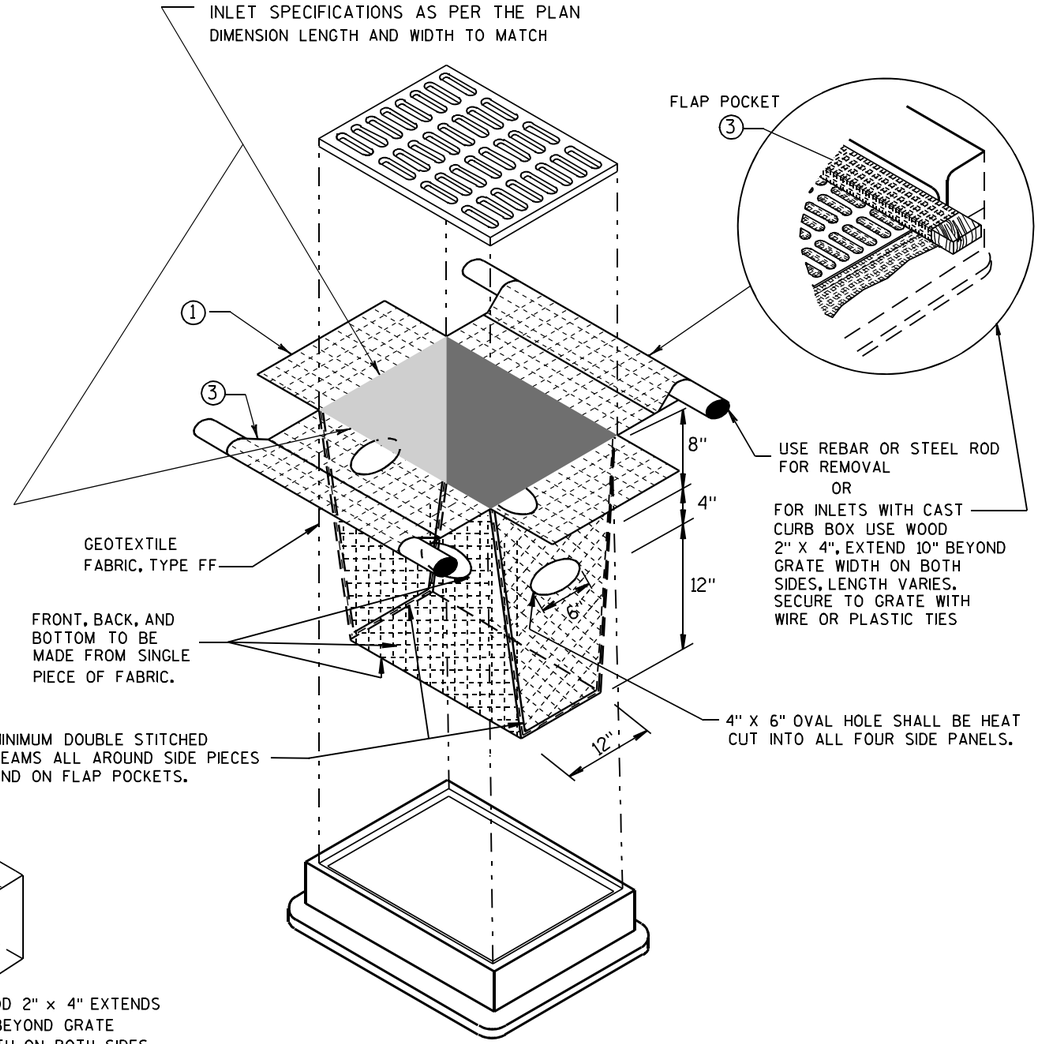


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

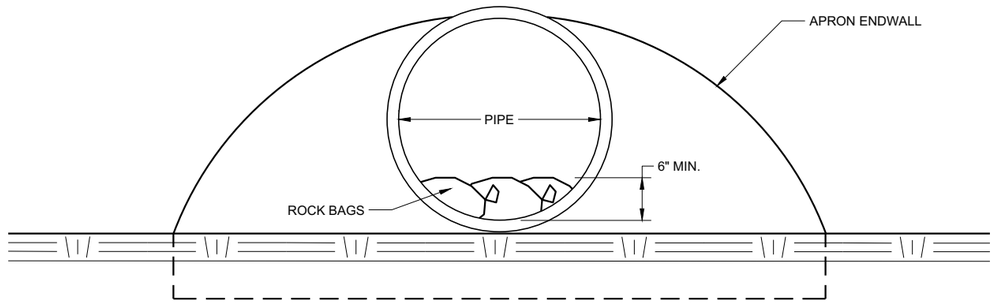
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

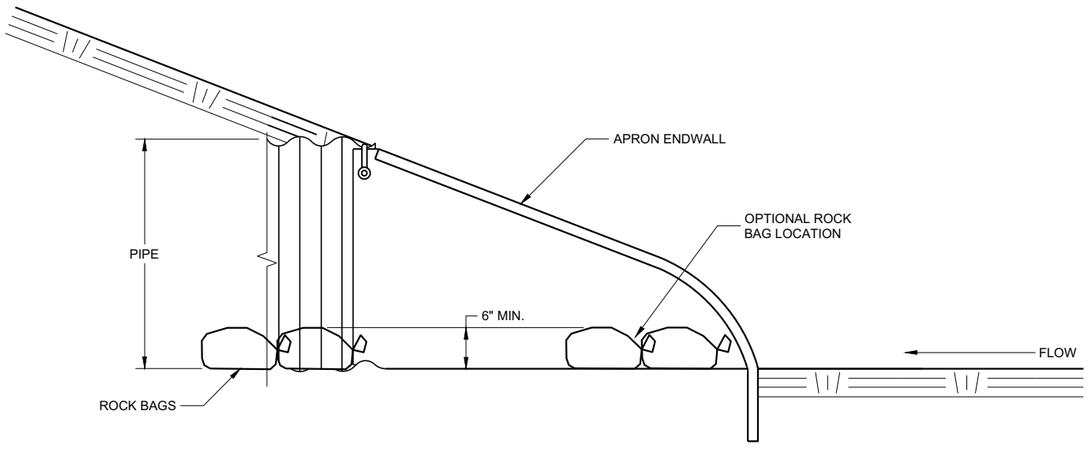
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



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

METAL APRON ENDWALLS

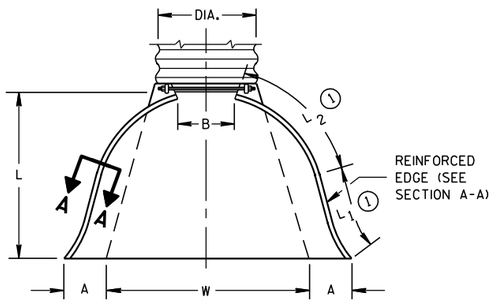
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

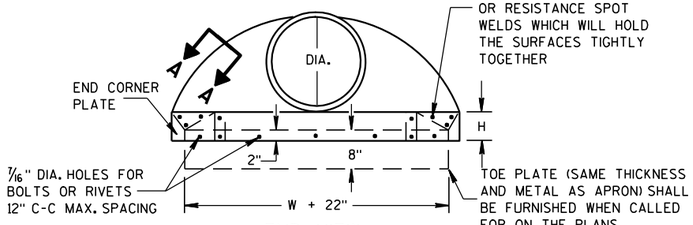
REINFORCED CONCRETE APRON ENDWALLS

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

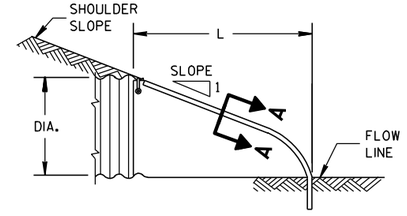
*MINIMUM
**MAXIMUM



PLAN VIEW

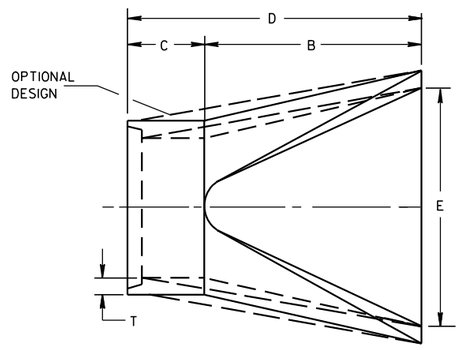


END VIEW

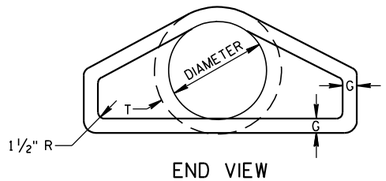


SIDE ELEVATION

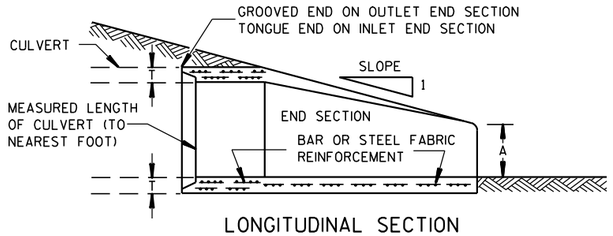
METAL ENDWALLS



PLAN

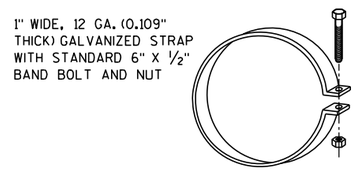


END VIEW



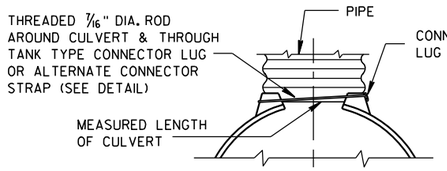
LONGITUDINAL SECTION

CONCRETE ENDWALLS

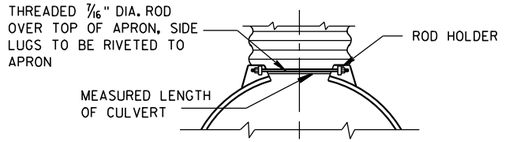


ALTERNATE FOR TYPE 1 CONNECTION

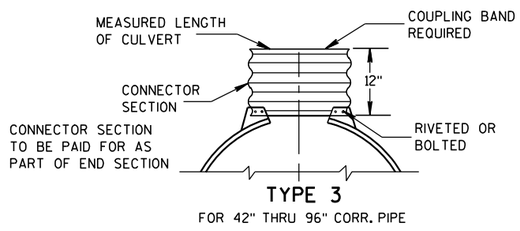
END SECTION CONNECTOR STRAP



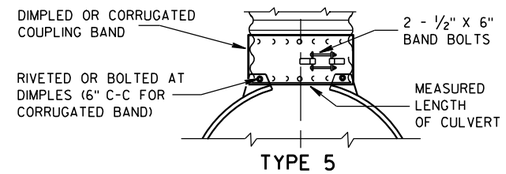
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

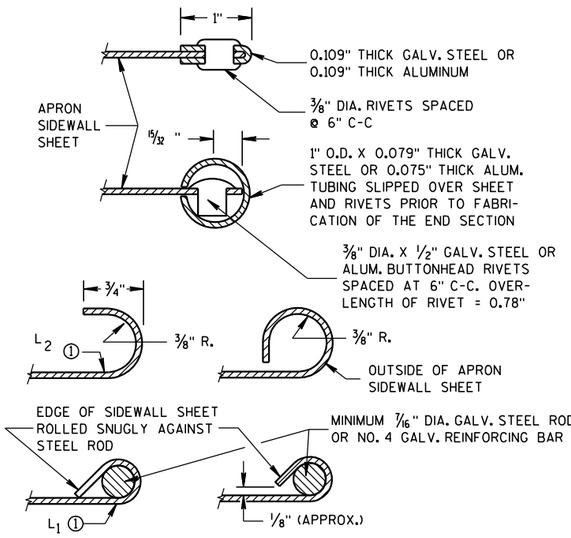
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

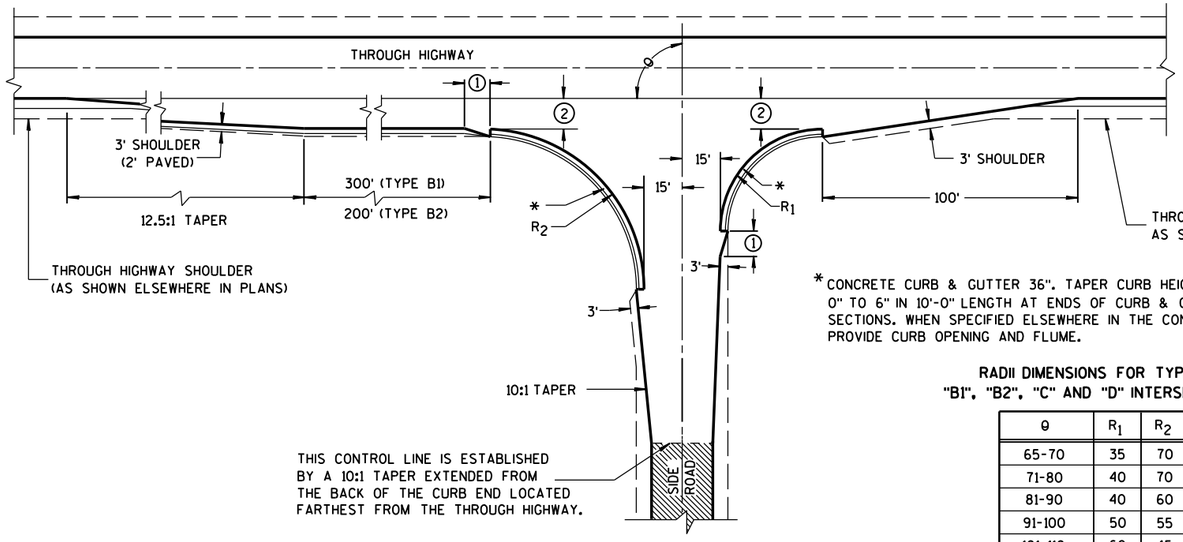
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

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

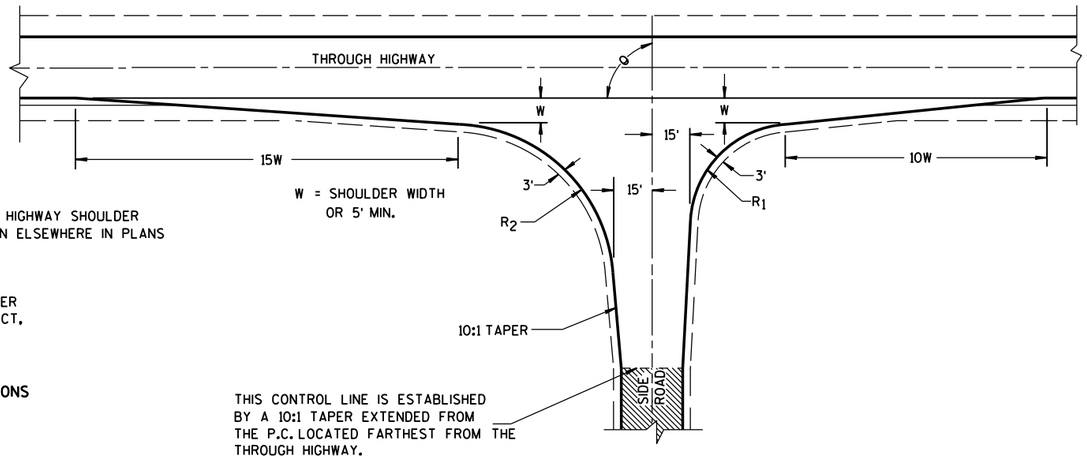


TYPE "B1" AND "B2"

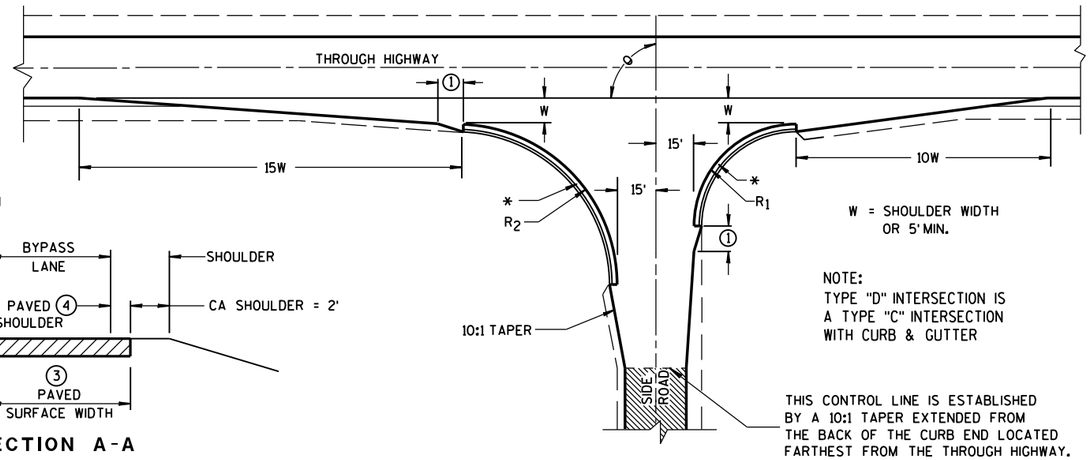
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

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



TYPE "C"



TYPE "D"

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.

EXISTING PAVED SURFACE

BYPASS LANE

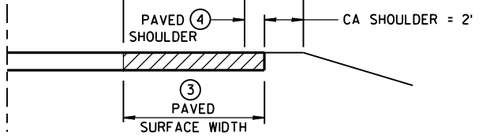
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

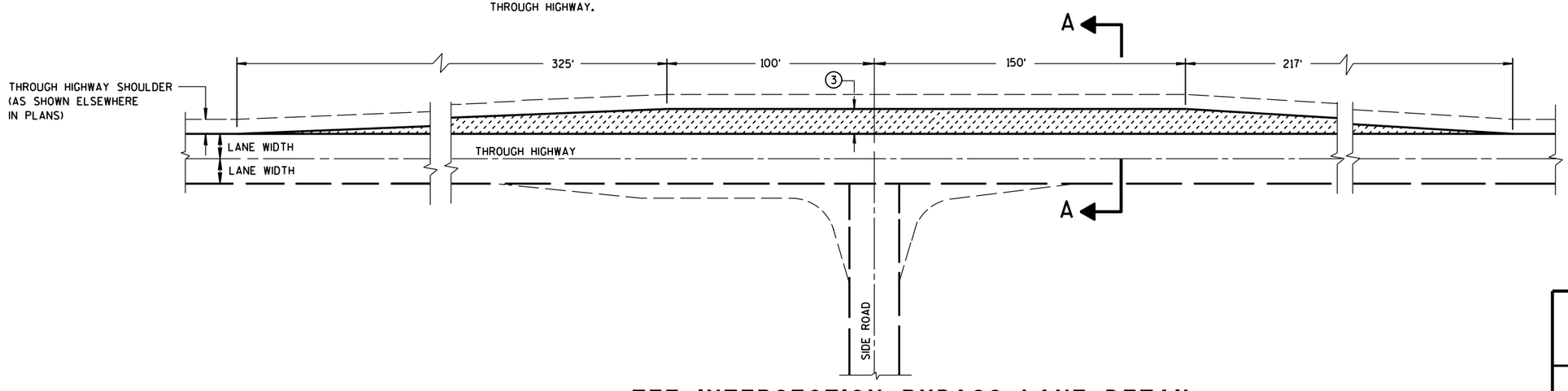
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 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.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)

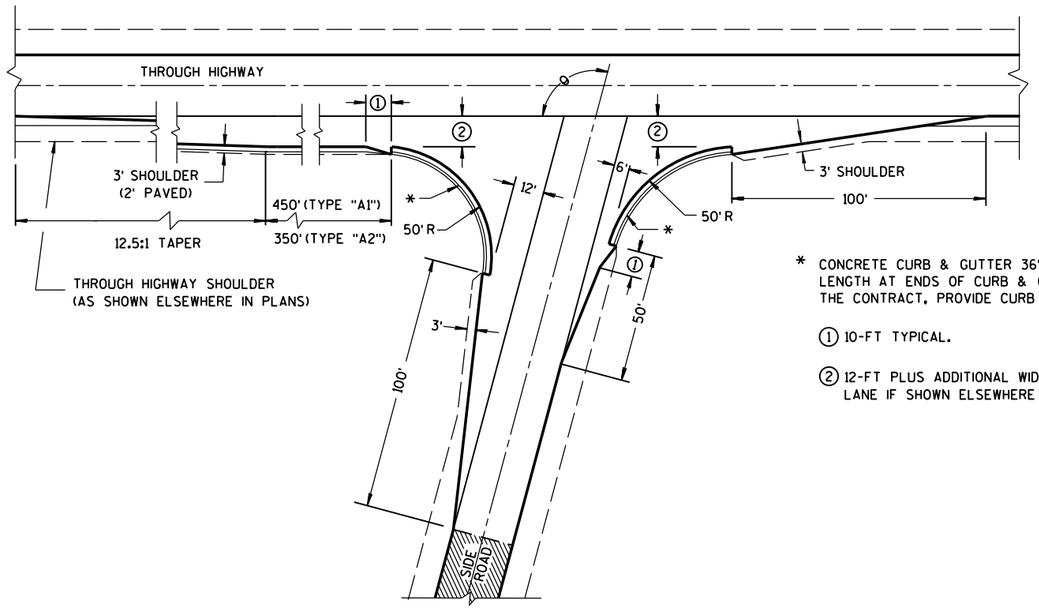


TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 9 A 1-13a



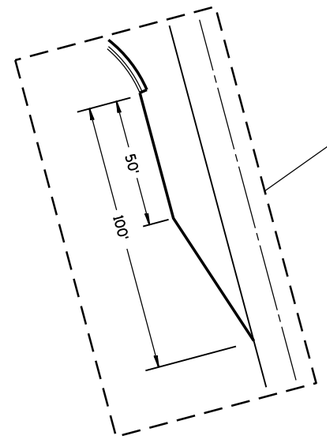
θ = MORE THAN 80°

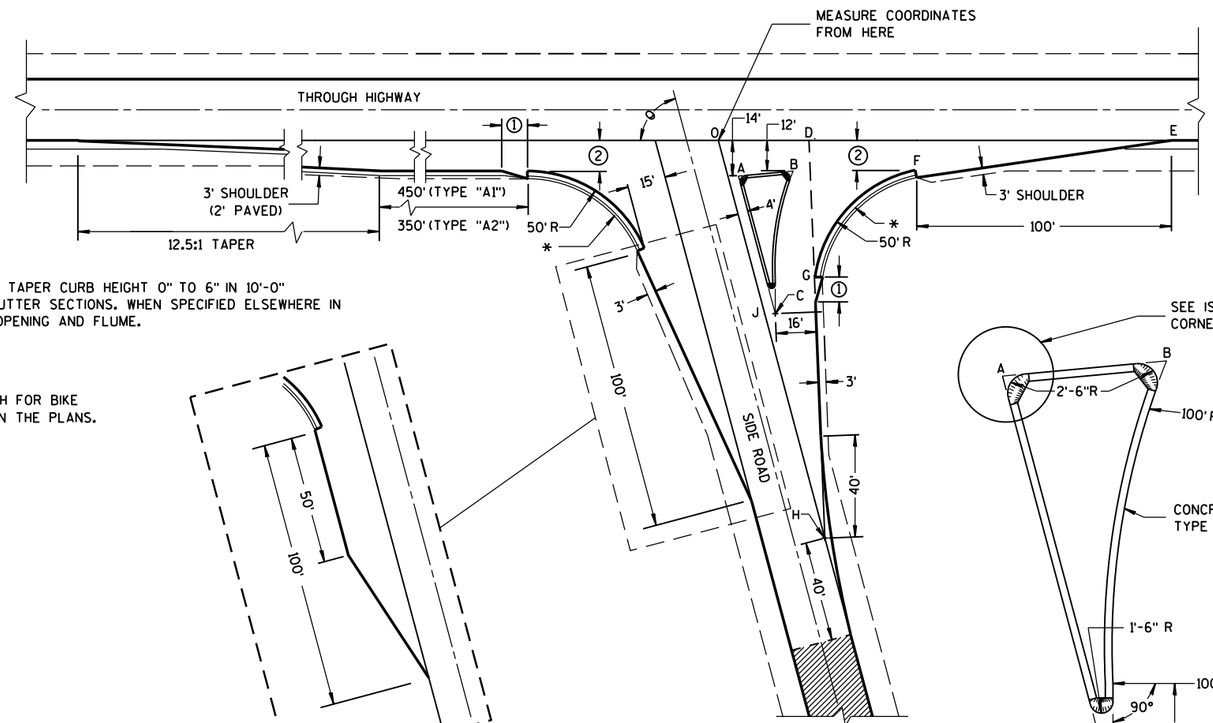
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

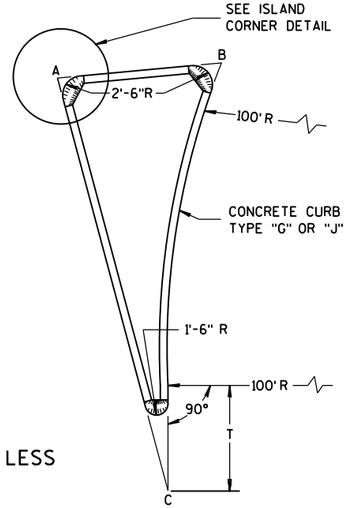
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE

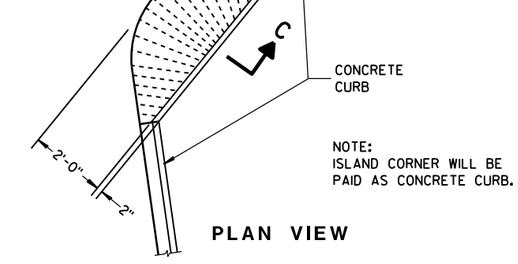




θ = ACUTE ANGLES 80° OR LESS

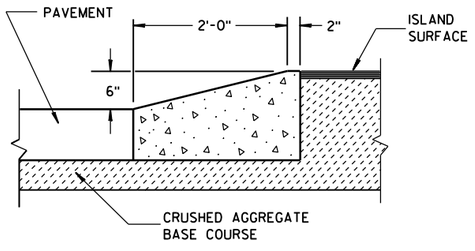


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE
THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS



NOTE:
ISLAND CORNER WILL BE
PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

TABLE OF DIMENSIONS FOR VARIABLE SIDE ROAD INTERSECTION ANGLES

(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS

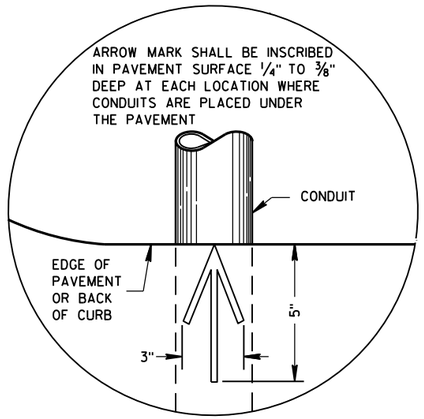
AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"

STATE OF WISCONSIN
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12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

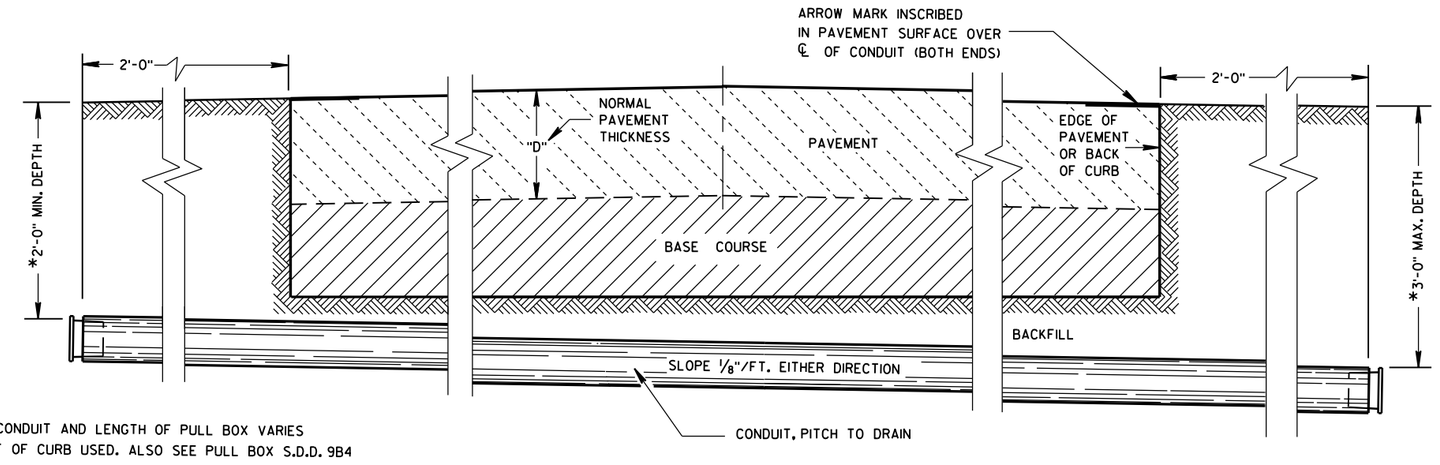
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S.D.D. 9 A 1-13b



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.

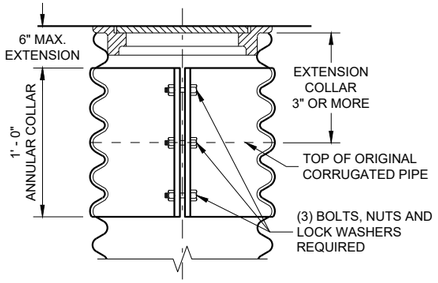
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

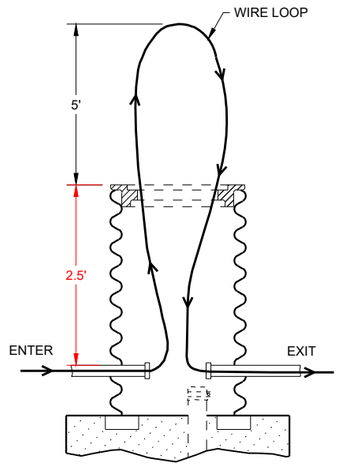
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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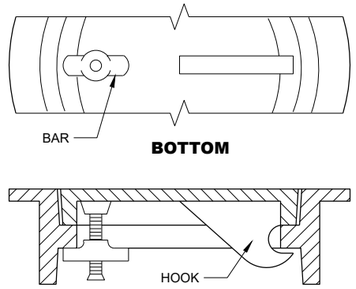
S.D.D. 9 B 2-10



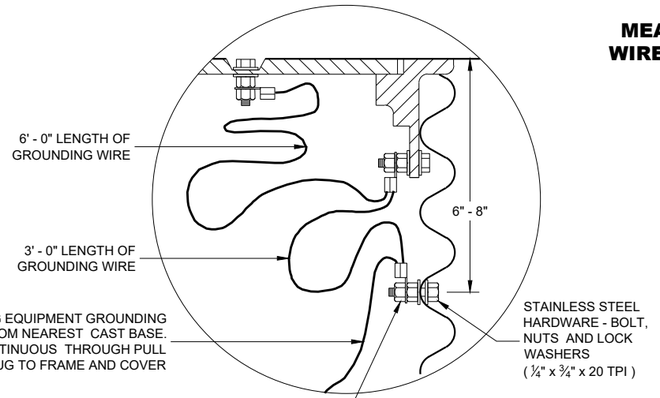
CORRUGATED PIPE EXTENDER



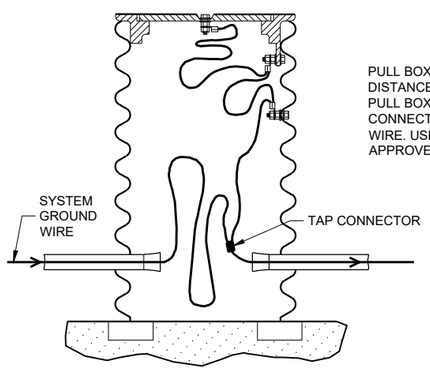
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

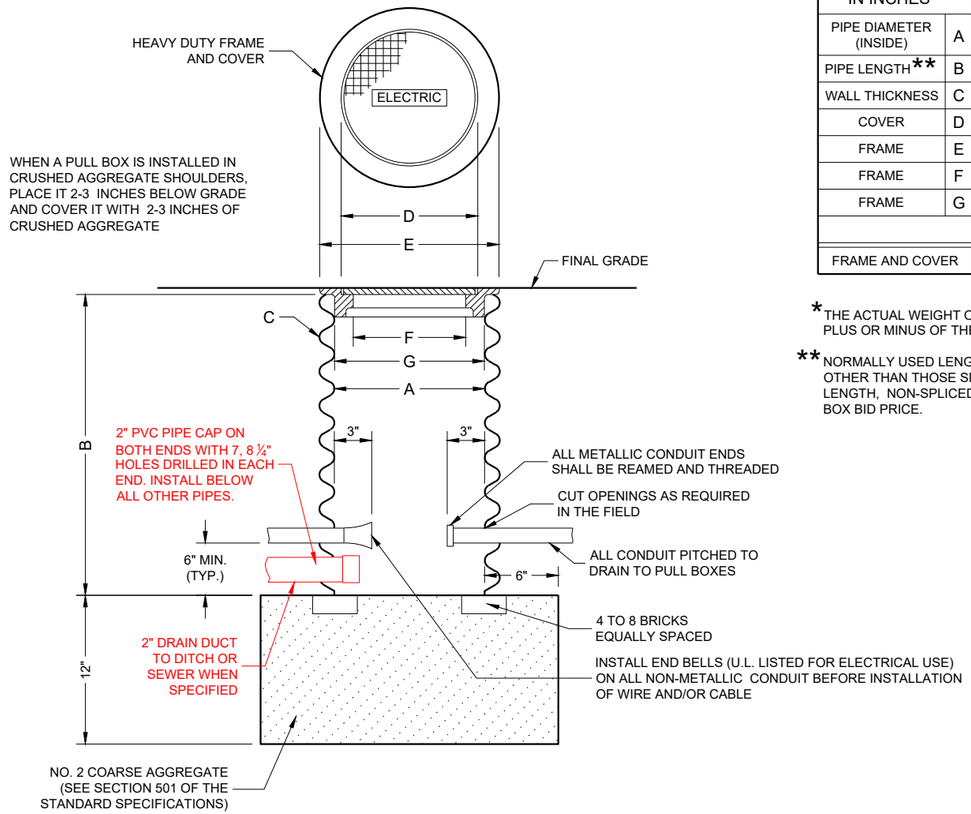


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



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

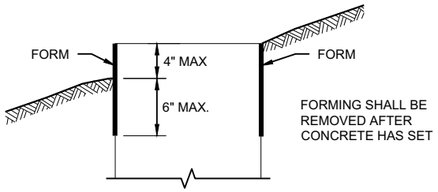
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 118

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.

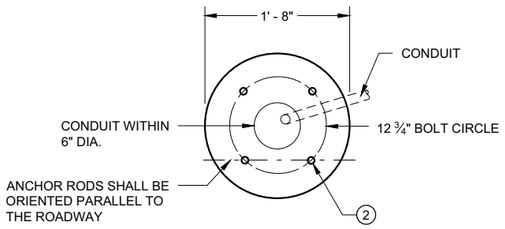
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

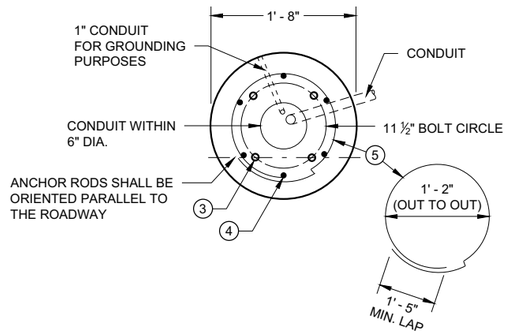
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

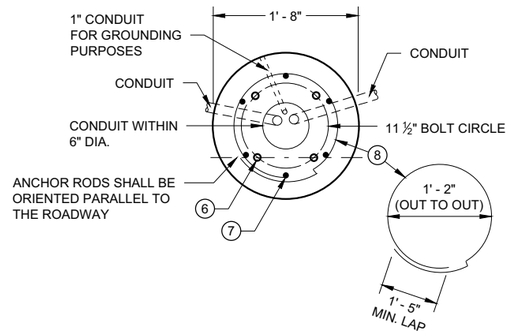
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

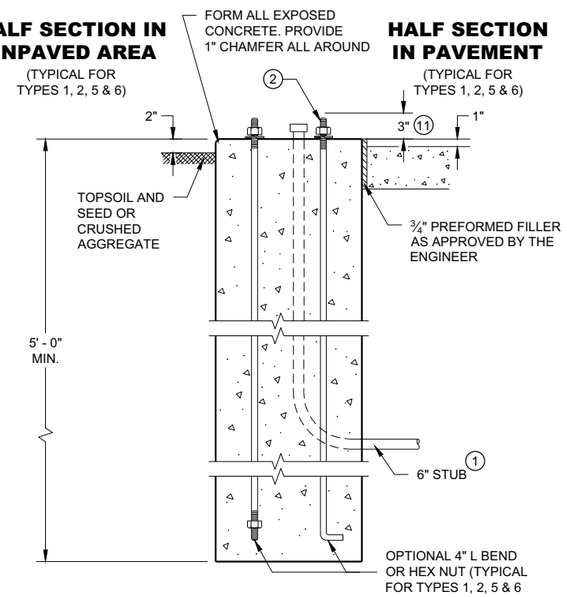
(10) ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

(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.

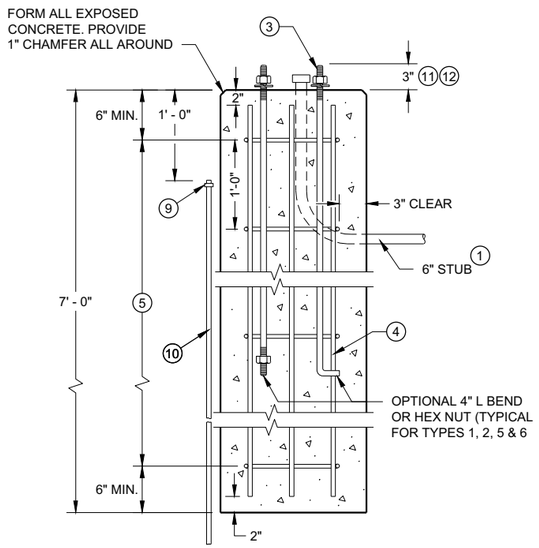
(12) FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

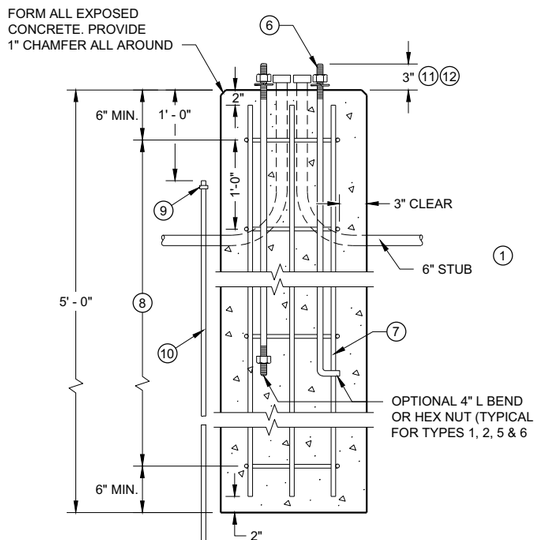
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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

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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.

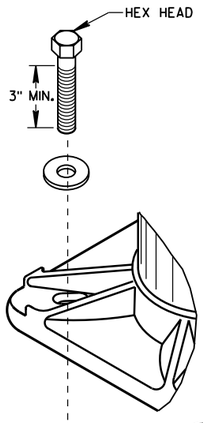
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

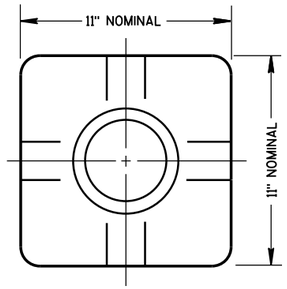
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

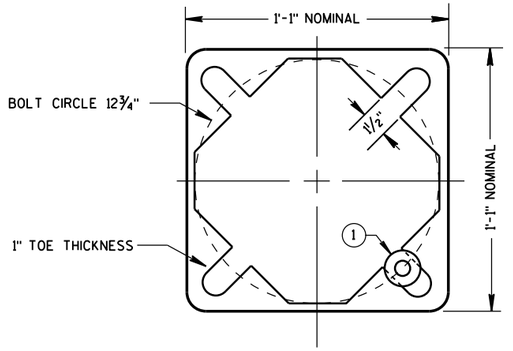
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

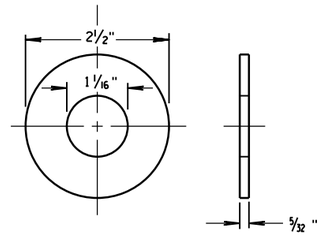




TOP VIEW
(PEDESTAL BASE)

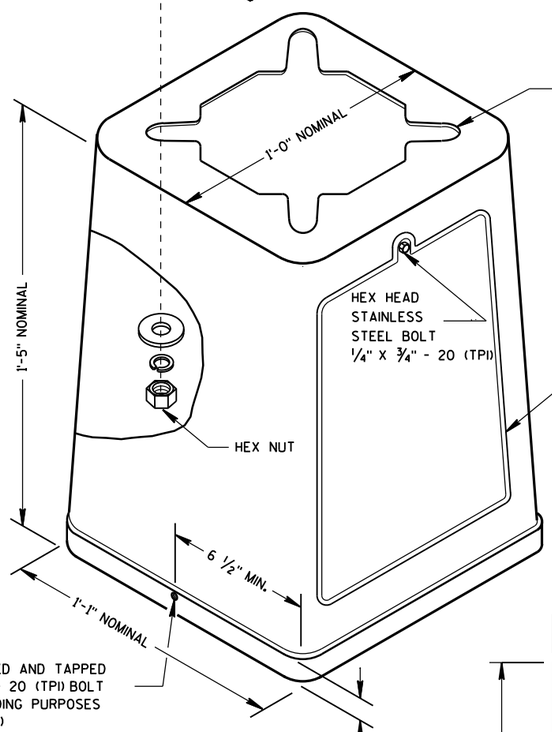


BOTTOM VIEW
(PEDESTAL BASE)

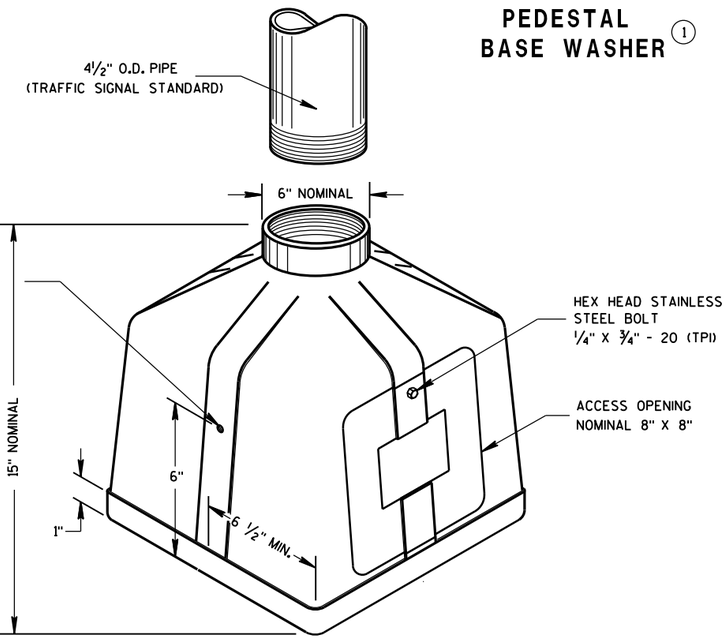


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

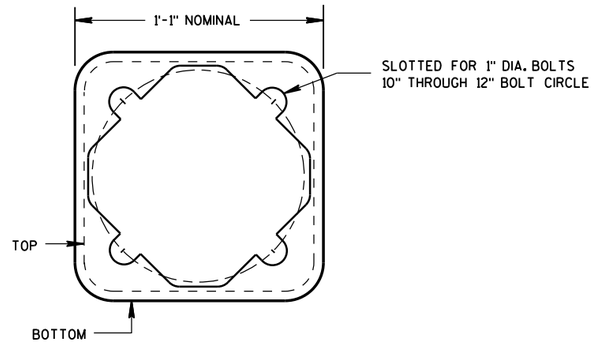


ISOMETRIC VIEW

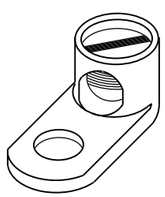


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

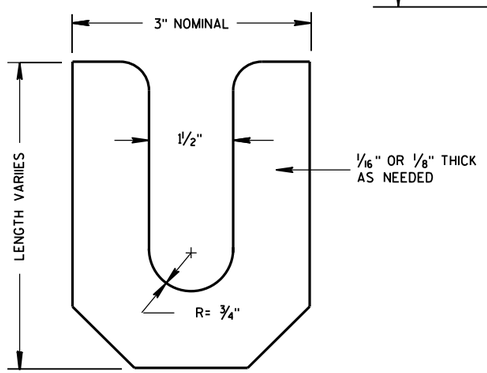


TYPICAL MECHANICAL CONNECTOR LUG

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

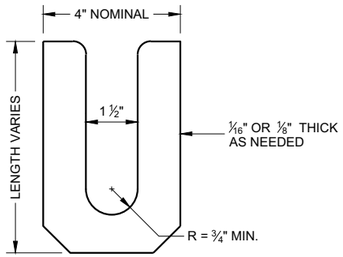
APPROVED
Sept. 2014 — DATE
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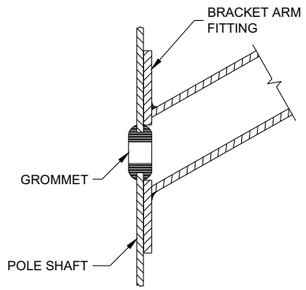
S.D.D. 9 C 3-4

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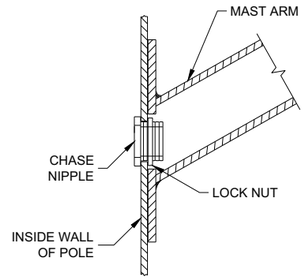
S.D.D. 9 C 3-4



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.

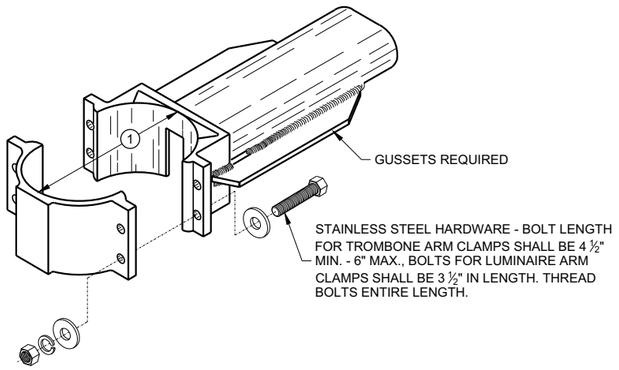
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

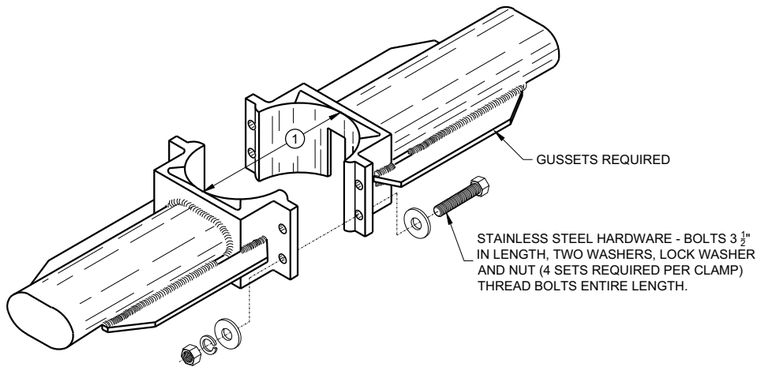
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

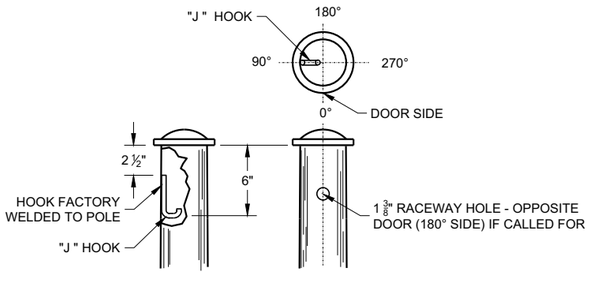
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



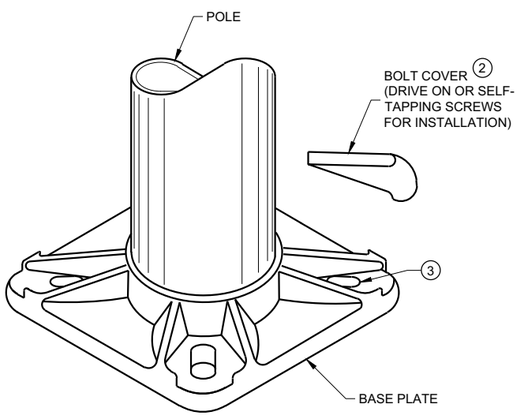
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



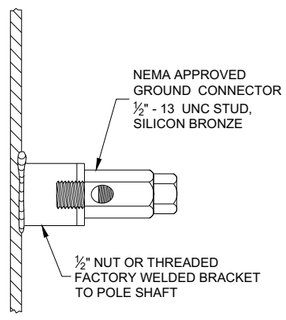
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

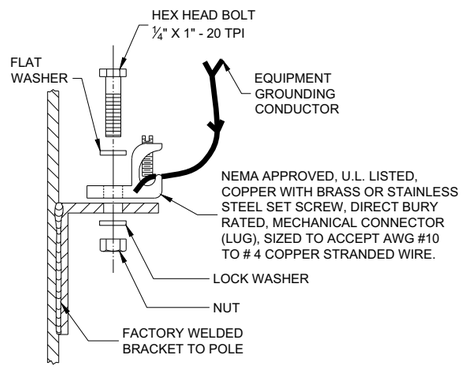


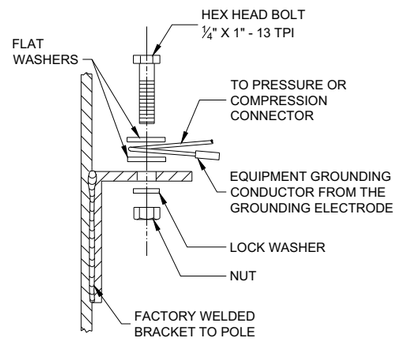
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
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November 2018
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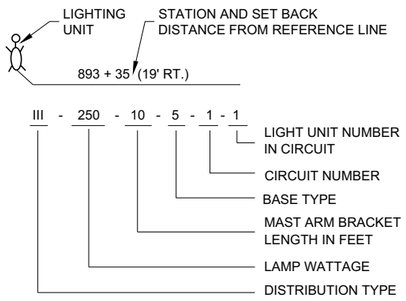
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SDD 09E01 - 15g

GENERAL NOTES

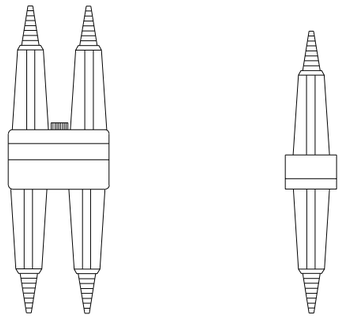
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

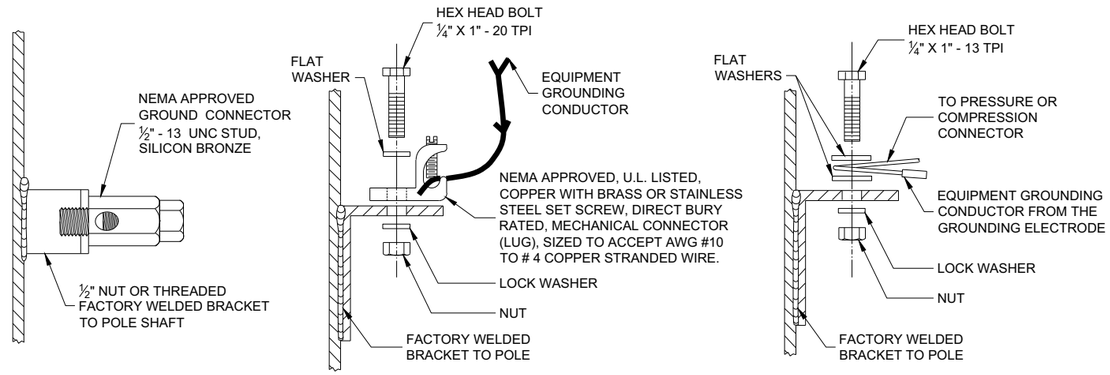


LIGHTING UNIT CODE
(TYPICAL)

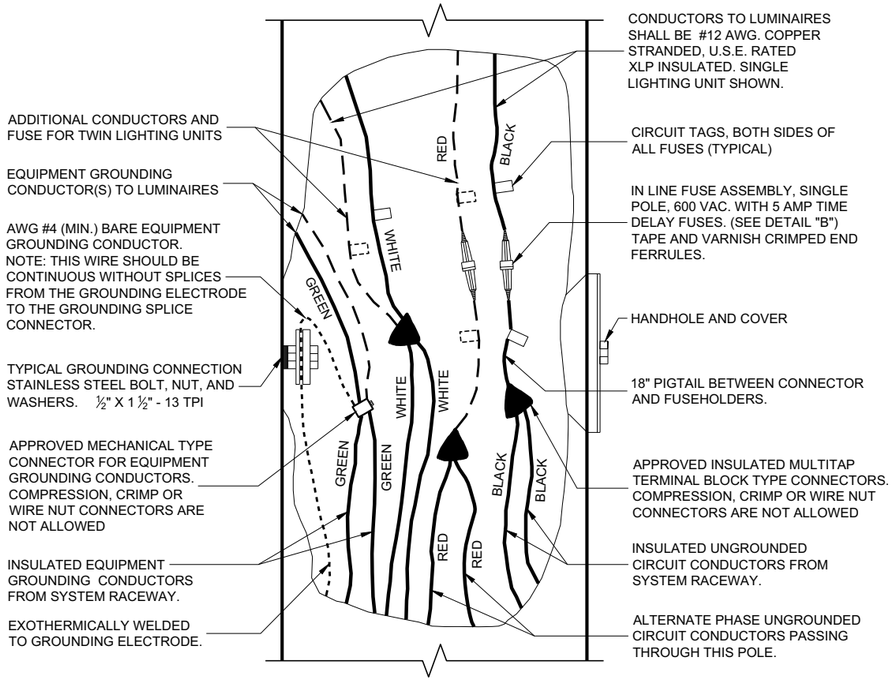


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

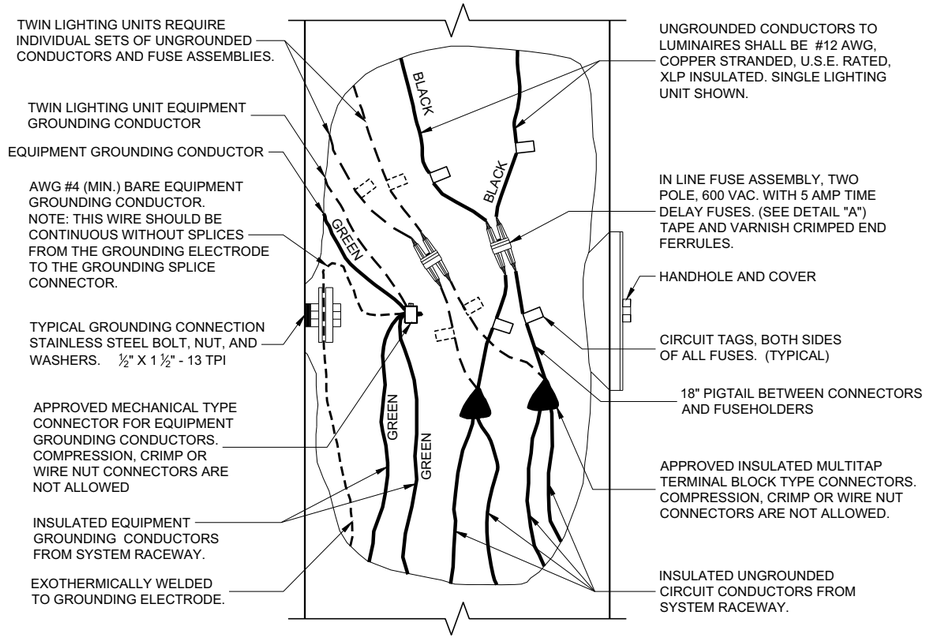
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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

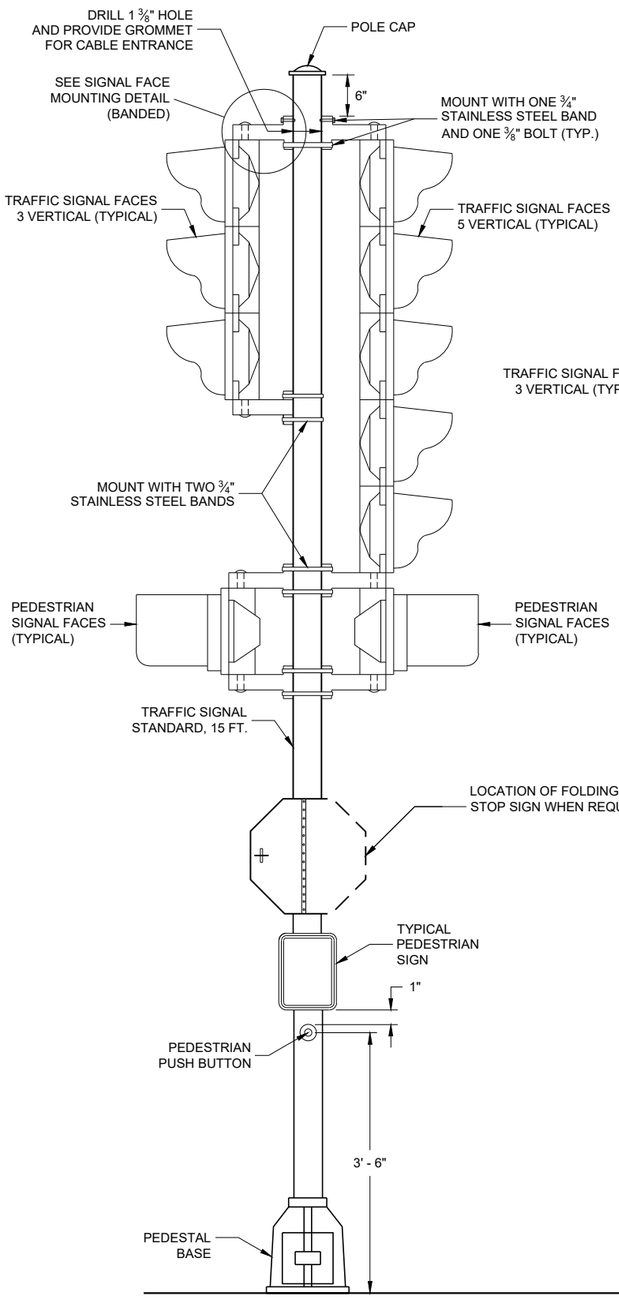
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

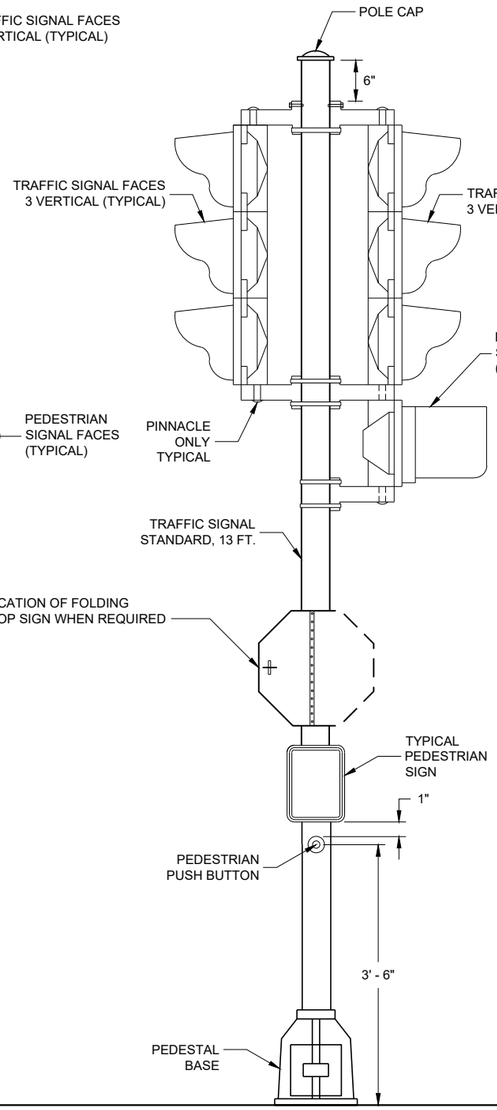
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November 2018
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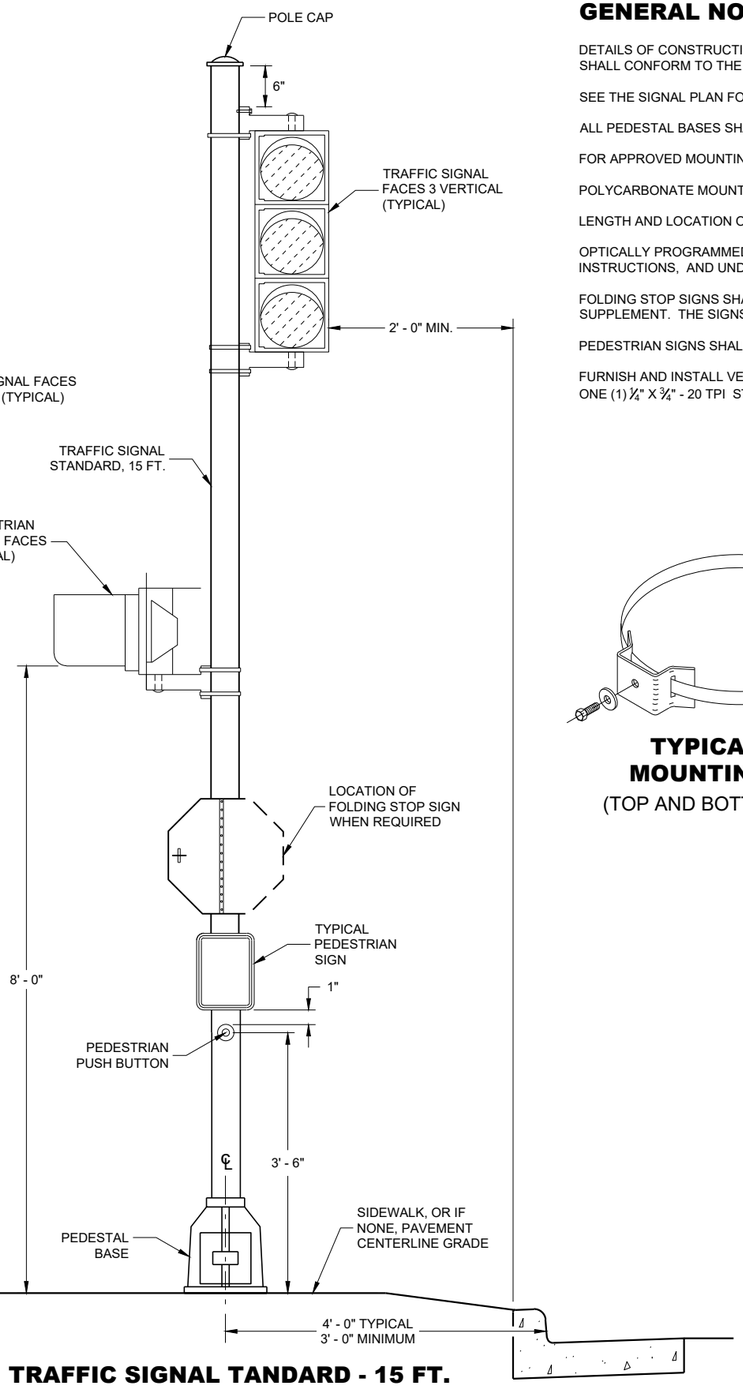
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SDD 09E03 - 06



TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

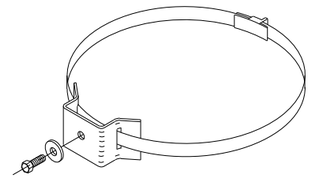
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

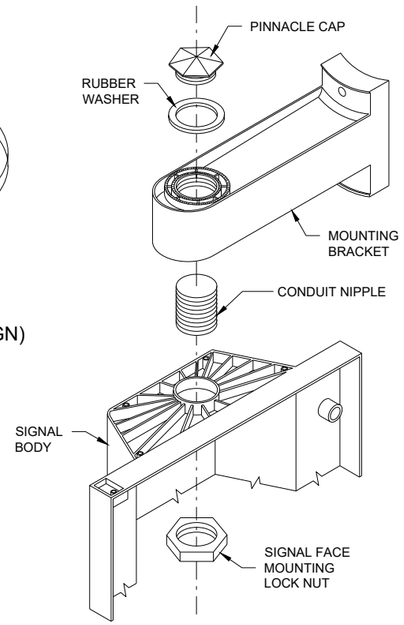
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

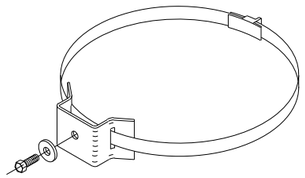
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE

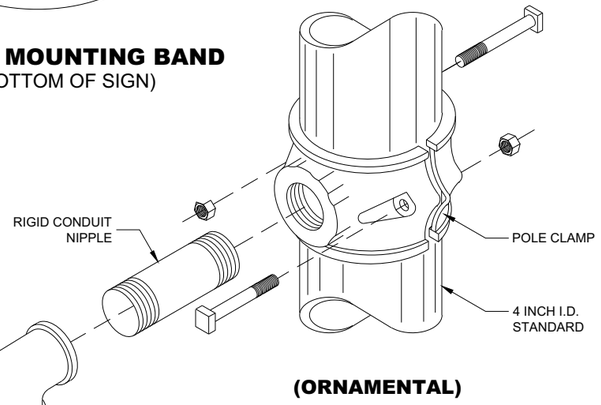
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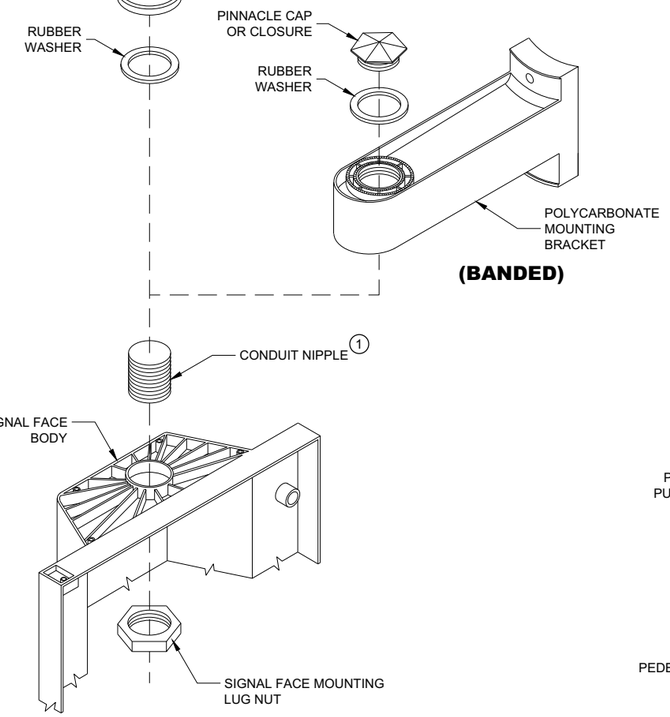
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SDD 09E06 - 05



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

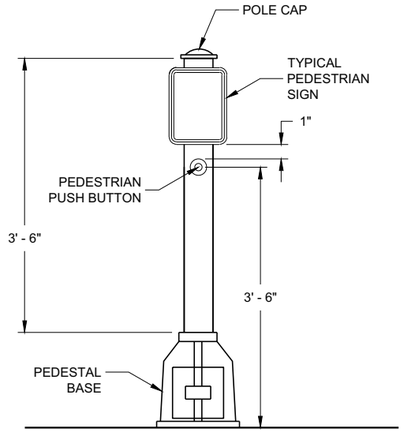


(ORNAMENTAL)



(BANDED)

SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

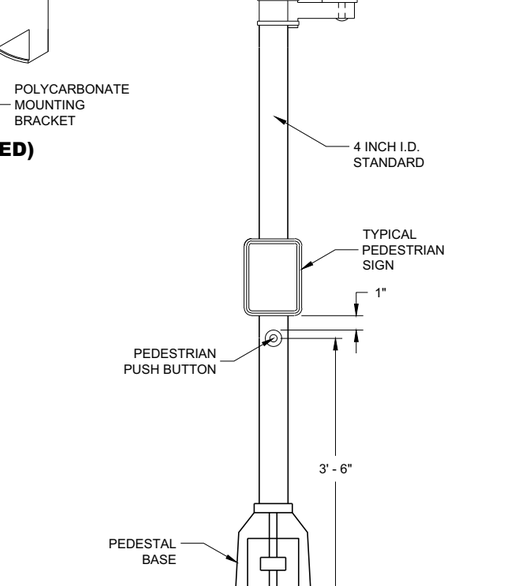
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

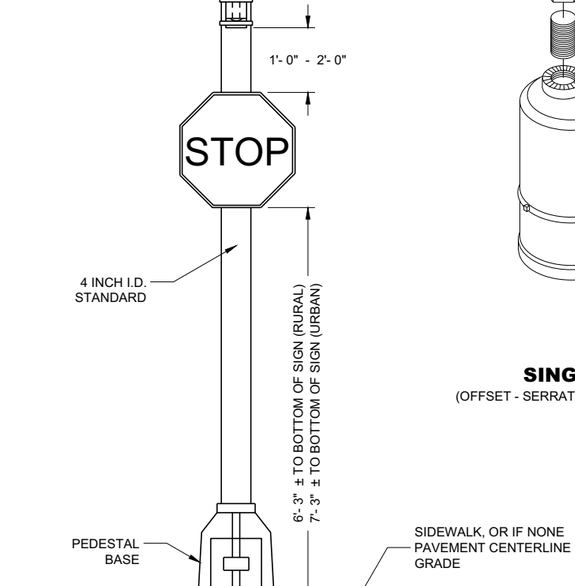
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

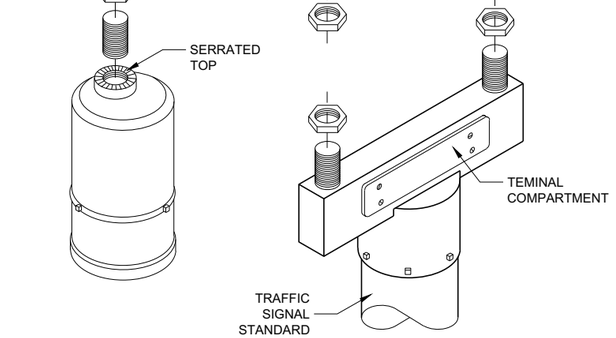
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

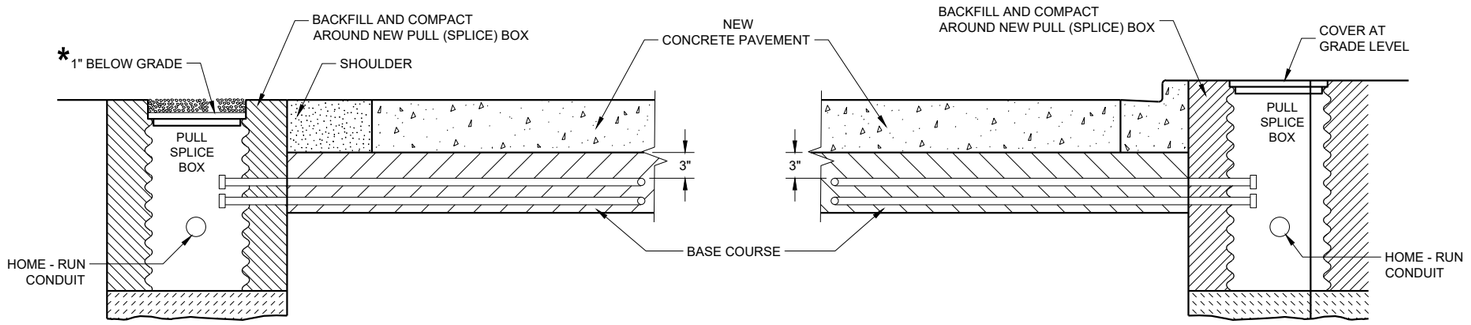
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SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) 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.

LOOP DETECTOR INSTALLATION DETAIL

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 (SPLICE) 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.

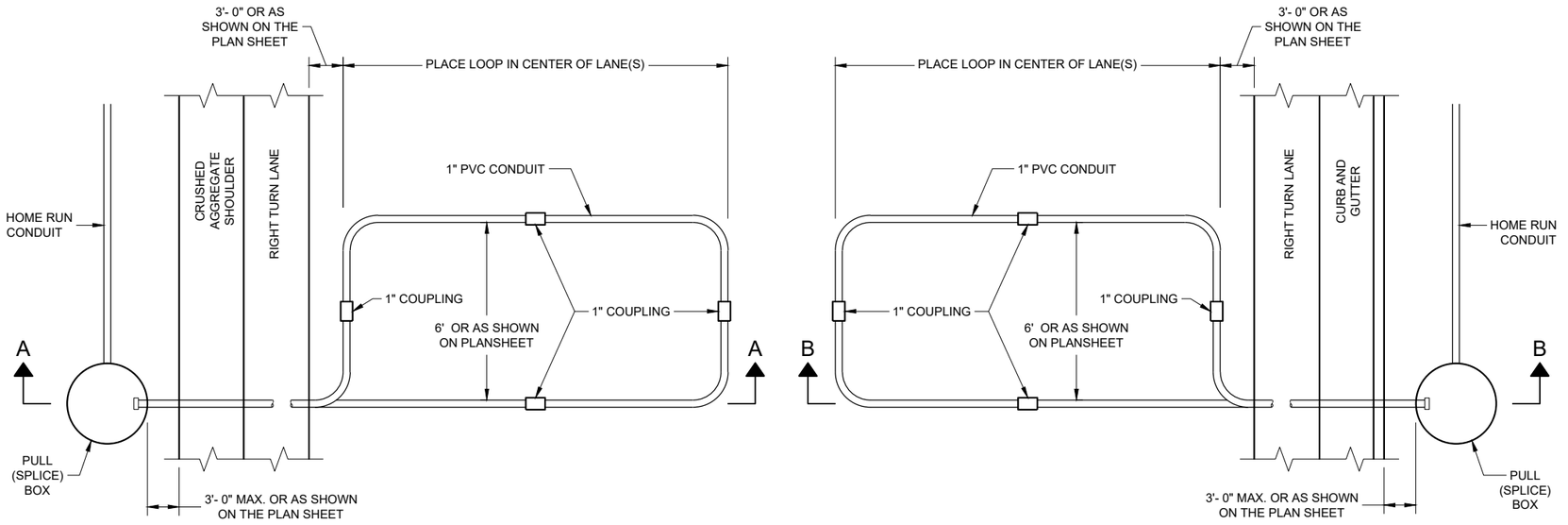
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

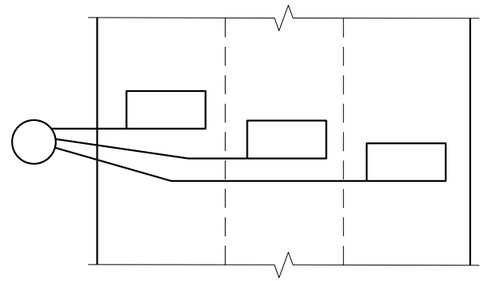
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

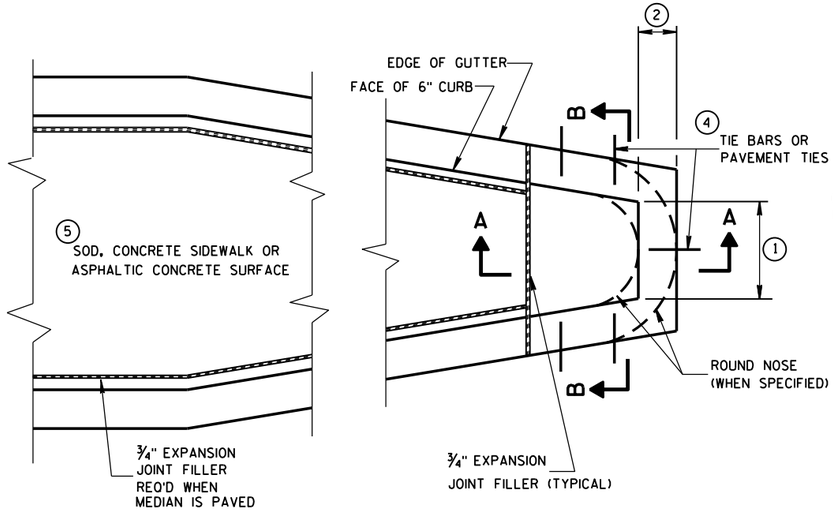
FHWA

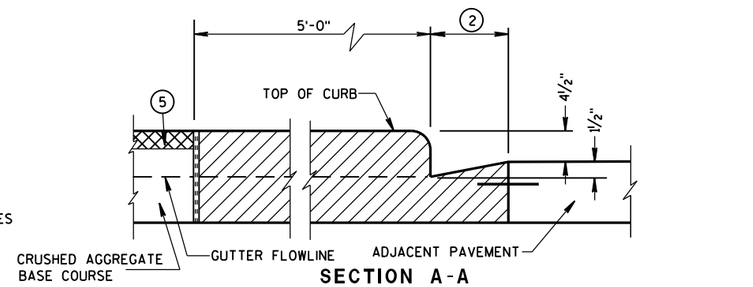
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SDD 09F15 - 04b

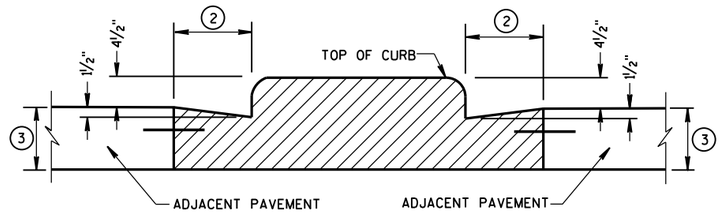
6

SDD 09F15 - 04b





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.

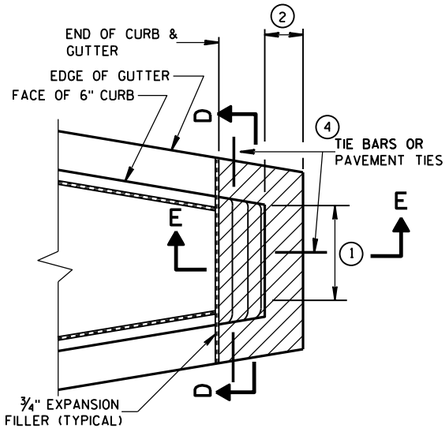
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

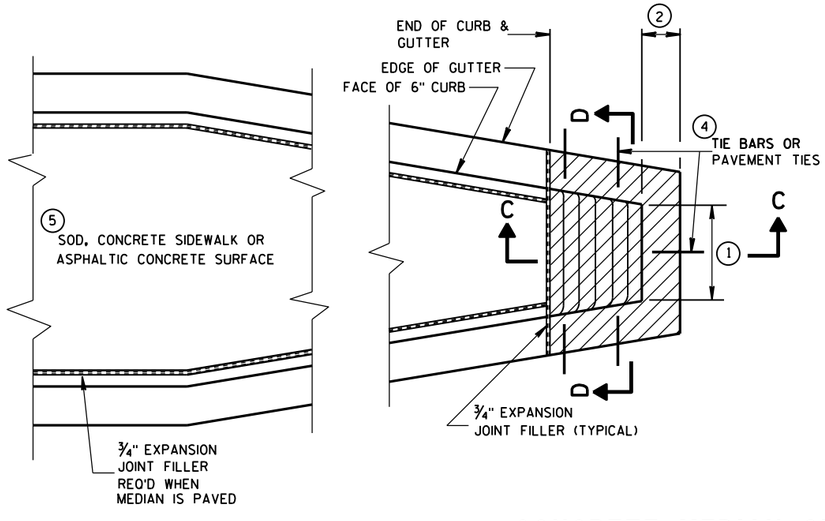
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(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.

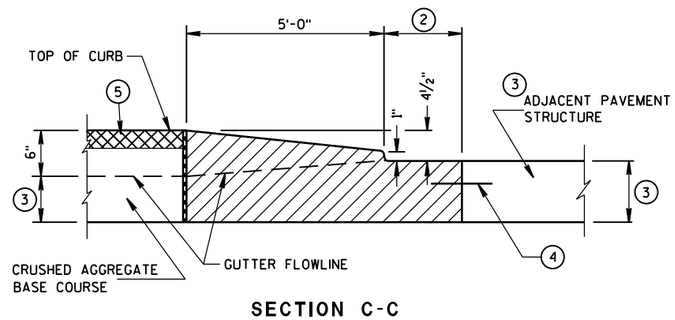
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

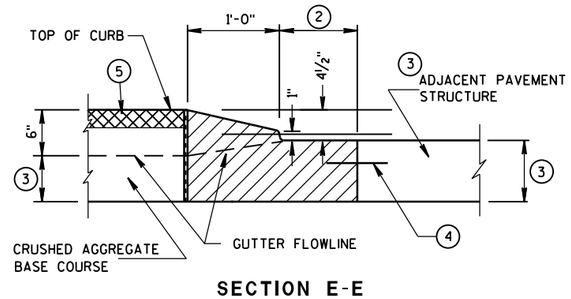




CONCRETE MEDIAN SLOPED NOSE TYPE 1

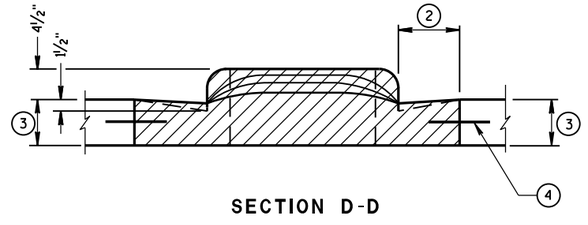


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

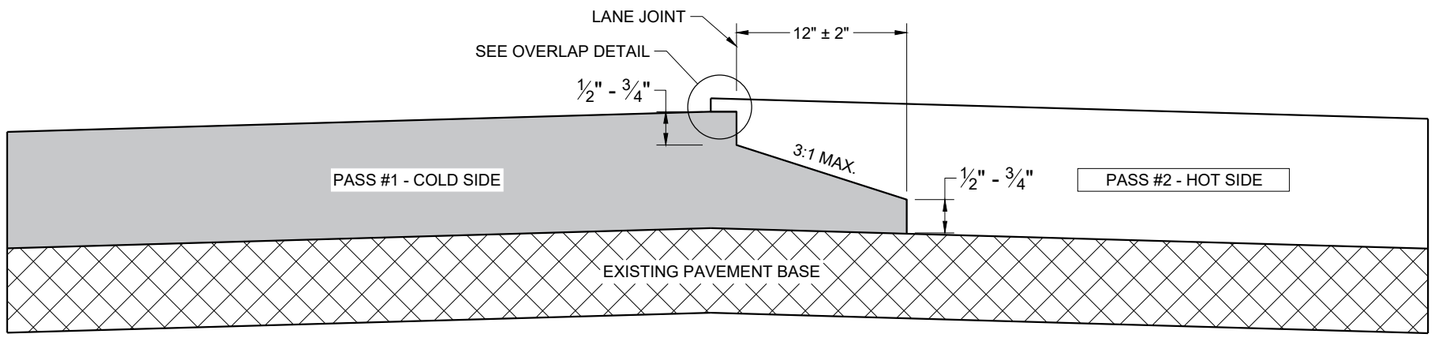
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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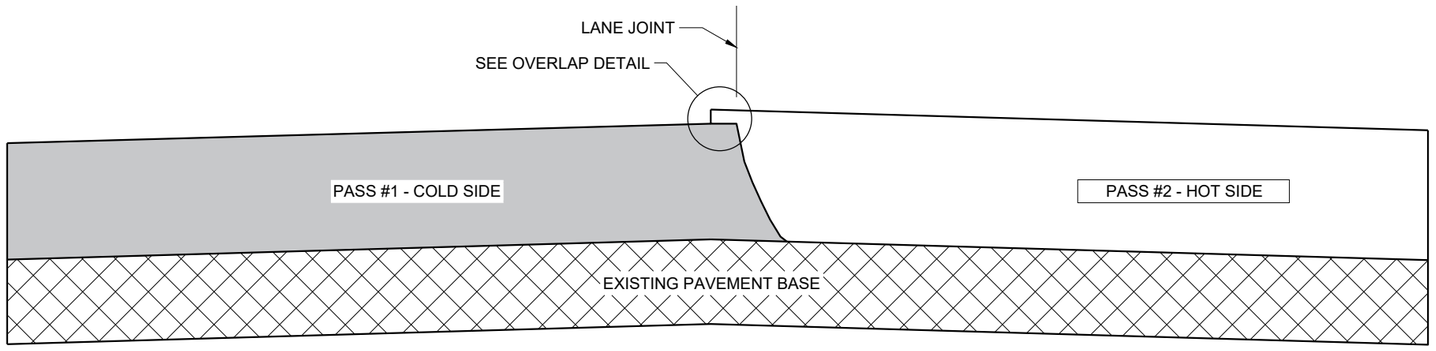
S.D.D. 11 B 2-2

6

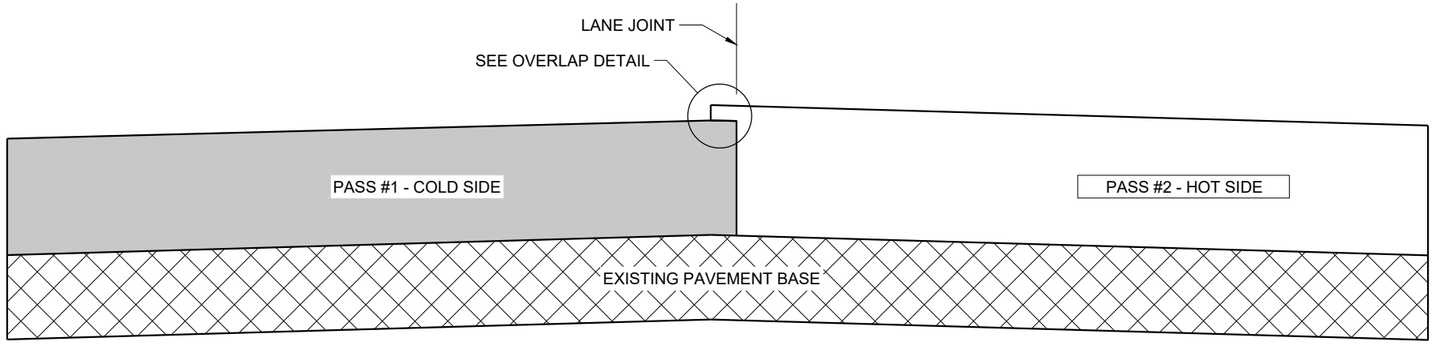
S.D.D. 11 B 2-2



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

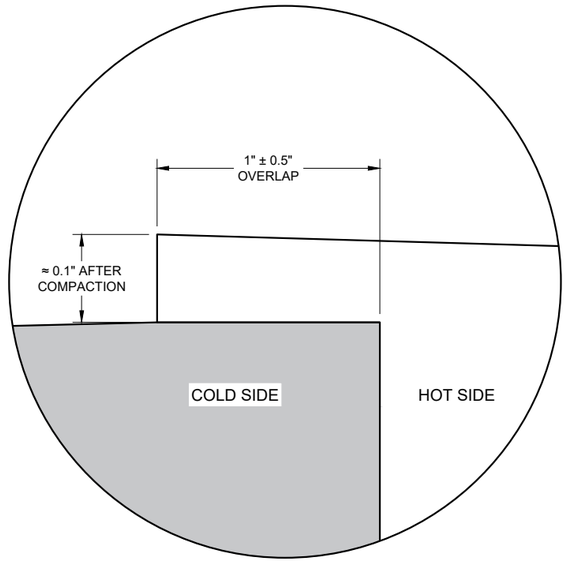
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

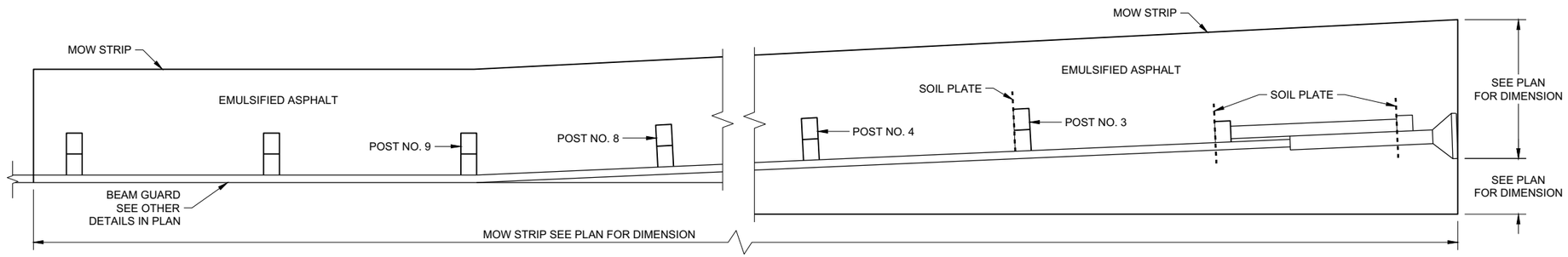
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



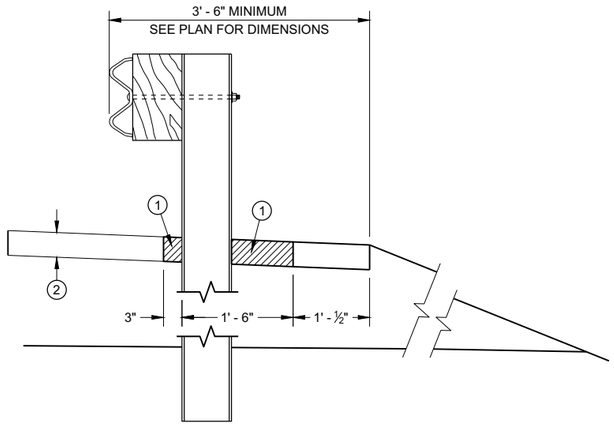
PLAN VIEW

MOW STRIP LAYOUT FOR ENERGY ABSORBING TERMINAL

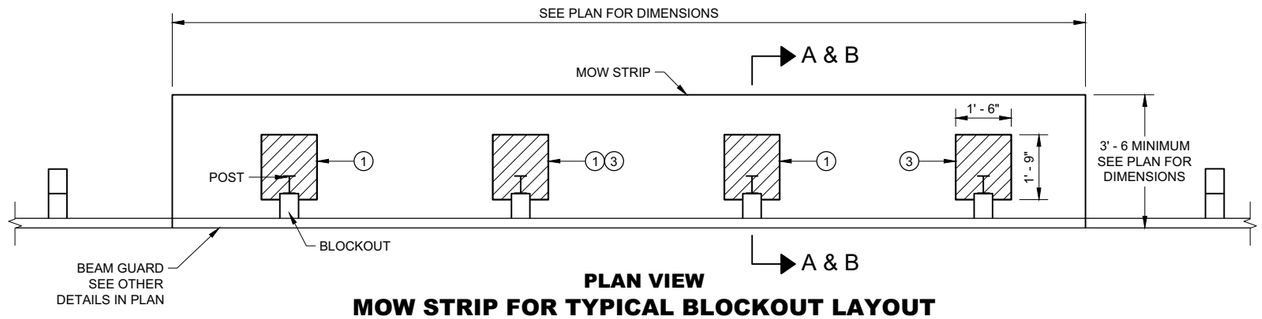
GENERAL NOTES

ONLY USE STEEL POSTS IN CONCRETE AND ASPHALT MOW STRIPS.

1. CONTROLLED LOW-STRENGTH BACKFILL OR EMULSIFIED ASPHALT.
2. DEPTH OF MOW STRIP:
   ASPHALT - 4"
   CONCRETE - 4"
   EMULSIFIED ASPHALT - 1" OR LESS
3. FOR EMULSIFIED ASPHALT, MOW STRIP STRIP LEAVE OUTS NOT REQUIRED. (TYPICAL FOR ALL POSTS)

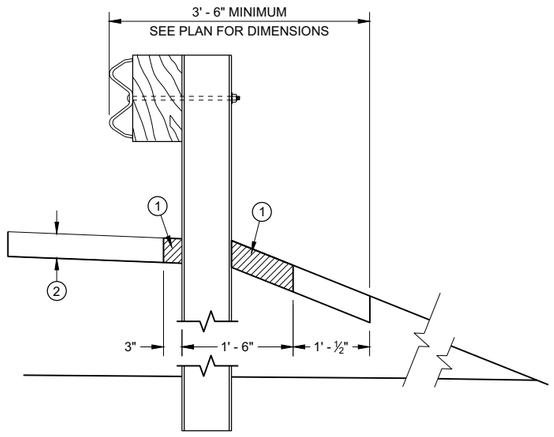


SECTION A - A

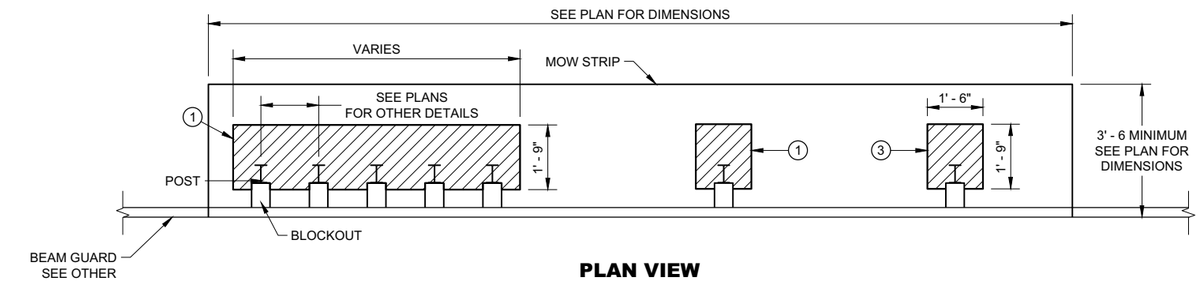


PLAN VIEW

MOW STRIP FOR TYPICAL BLOCKOUT LAYOUT

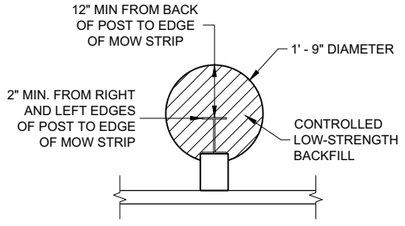


SECTION B - B

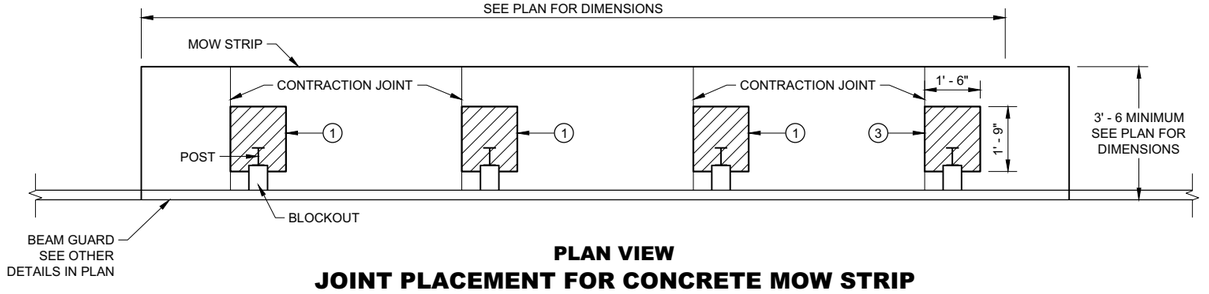


PLAN VIEW

MOW STRIP FOR TIGHT SPACING LAYOUT



ALTERNATIVE HMA MOW STRIP DESIGN



PLAN VIEW

JOINT PLACEMENT FOR CONCRETE MOW STRIP

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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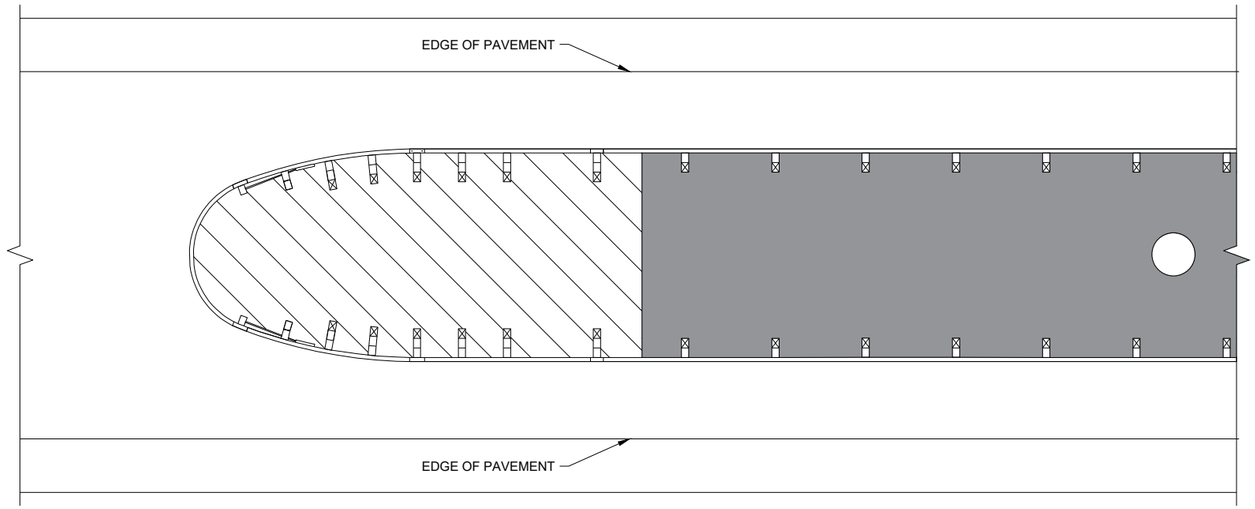
LEGEND

CONCRETE, ASPHALT, OR EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

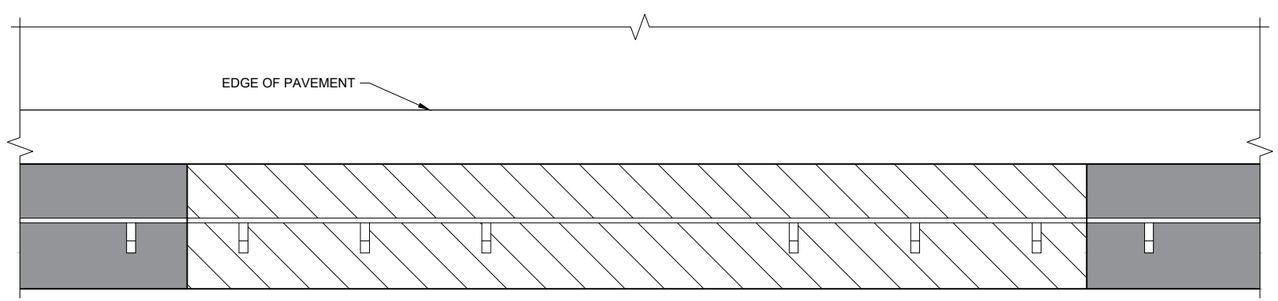
EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

GENERAL NOTES

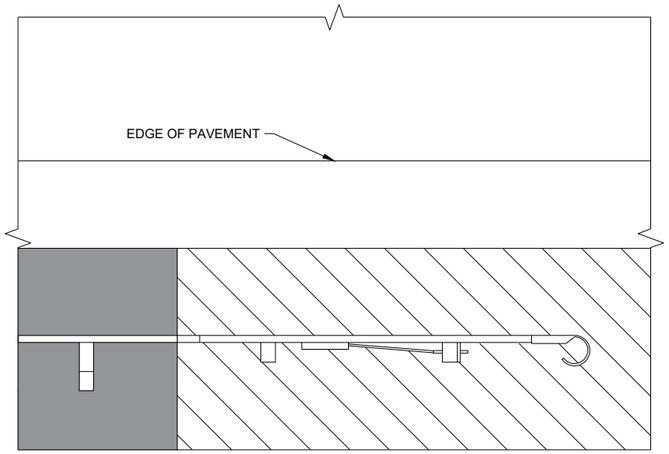
EXISTING THRIE BEAM BULLNOSES MAY HAVE WOOD POSTS. NEW THRIE BEAM BULLNOSE WILL HAVE STEEL POSTS.



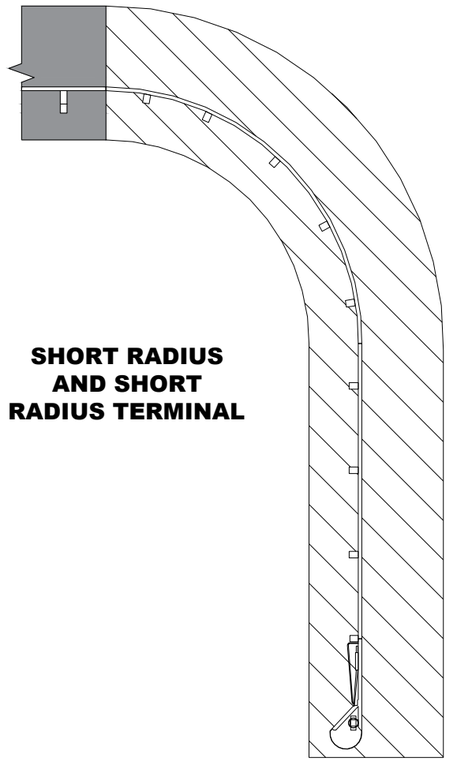
THRIE BEAM BULLNOSE



LONG - SPAN



TYPE 2 TERMINAL



SHORT RADIUS AND SHORT RADIUS TERMINAL

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 14B28 - 04b

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(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

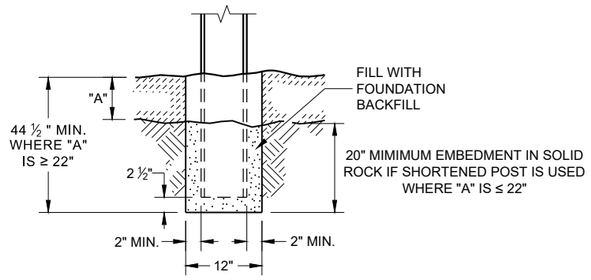
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

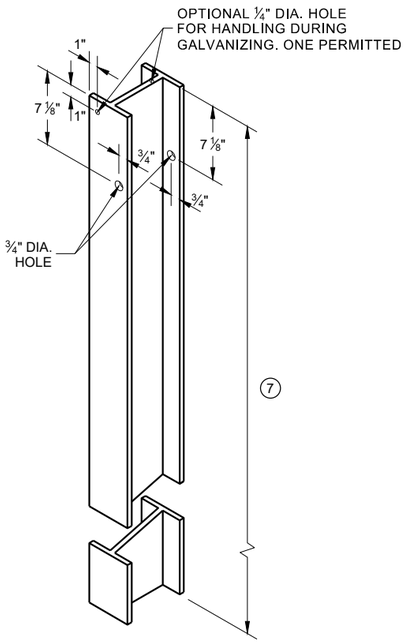
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

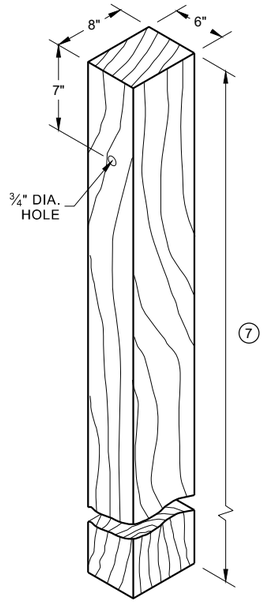
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



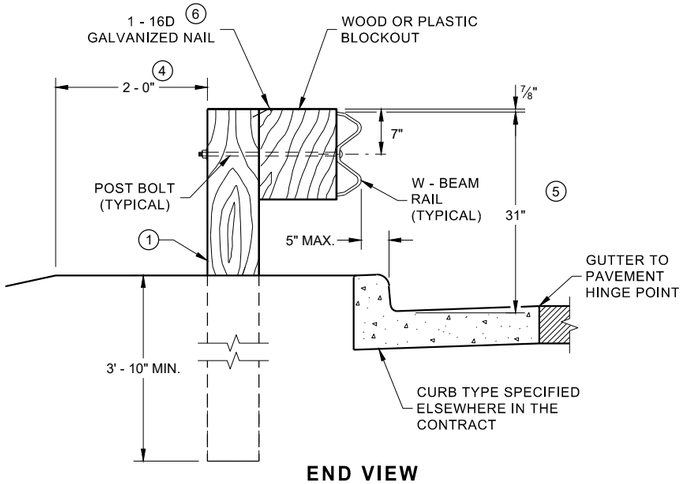
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



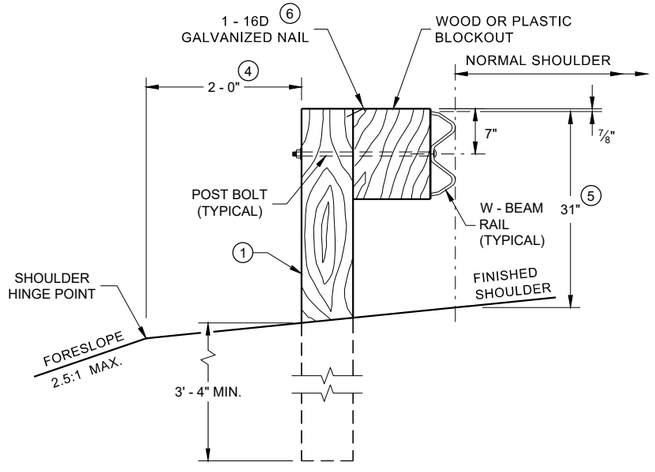
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



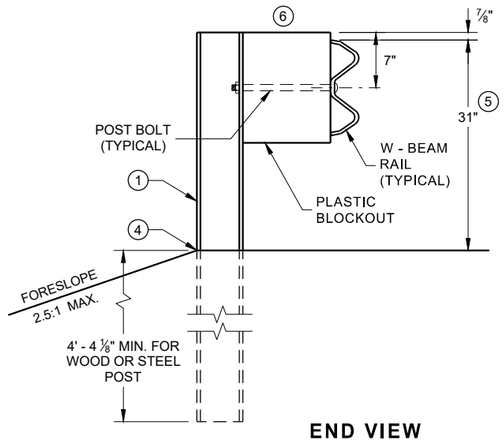
WOOD POST (6" X 8") NOMINAL (1)



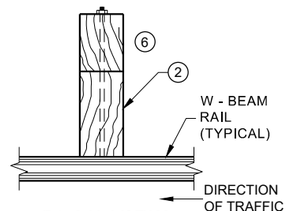
END VIEW
LOCATED ALONG A CURBED ROADWAY



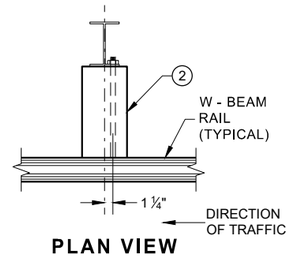
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



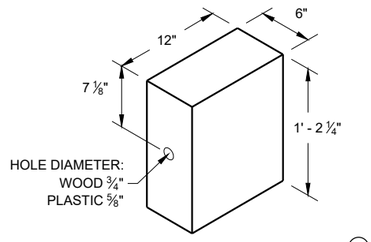
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

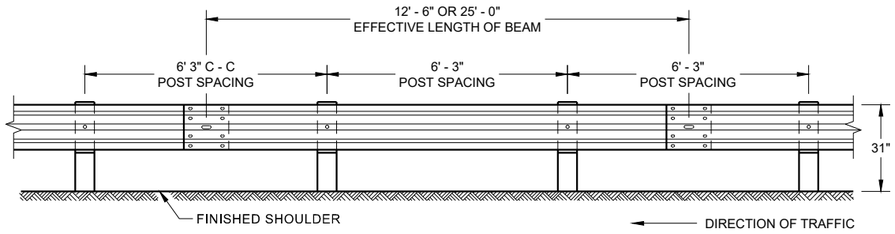
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

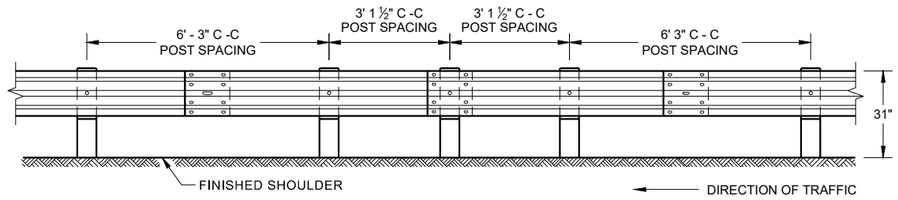
SDD 14B42 - 07a

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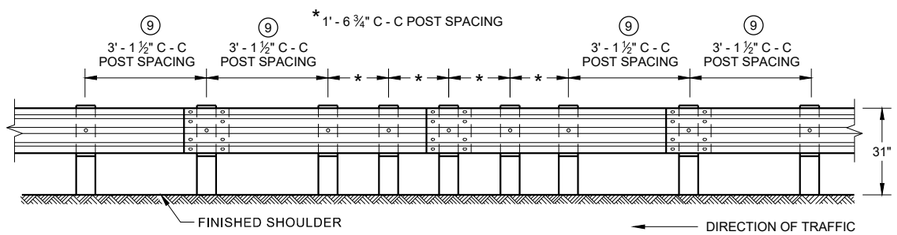
SDD 14B42 - 07a



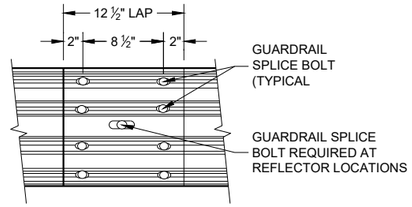
FRONT VIEW
POST SPACING STANDARD INSTALLATION



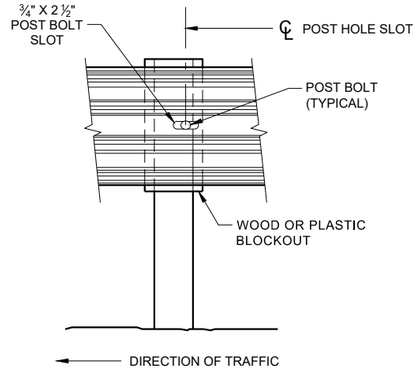
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



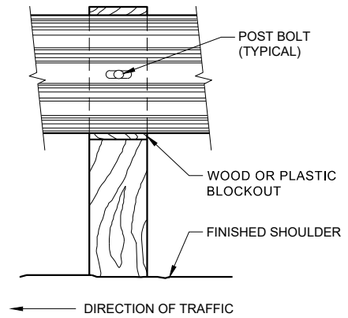
FRONT VIEW
QUARTER POST SPACING (QS)



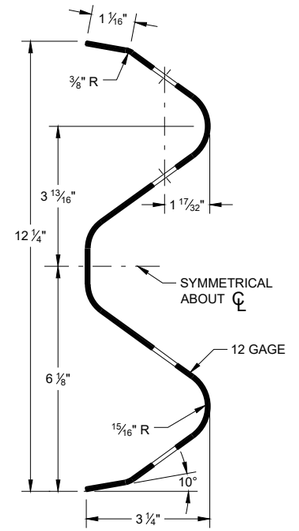
FRONT VIEW
MID-SPAN BEAM SPLICE



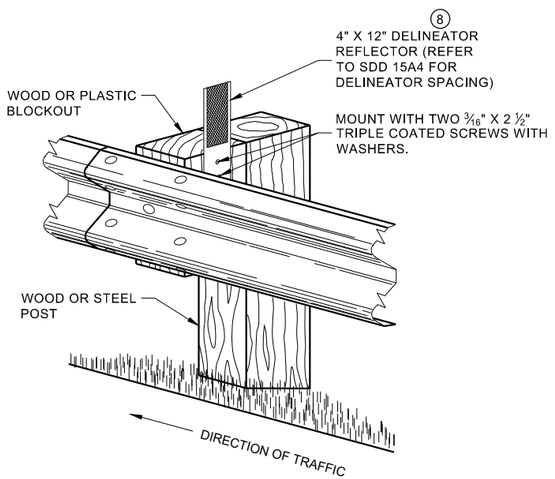
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

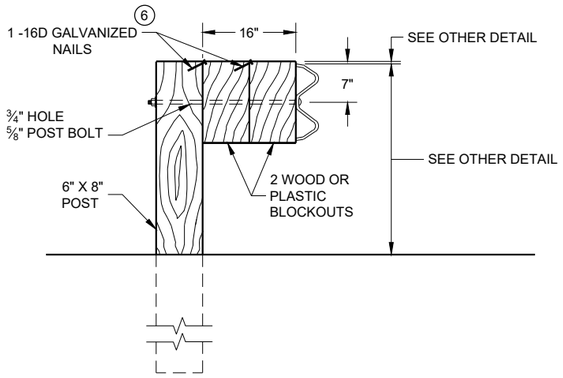
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

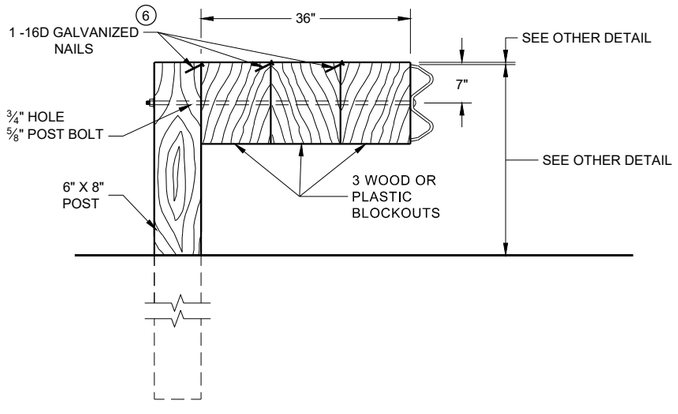
6

SDD 14B42 - 07b



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



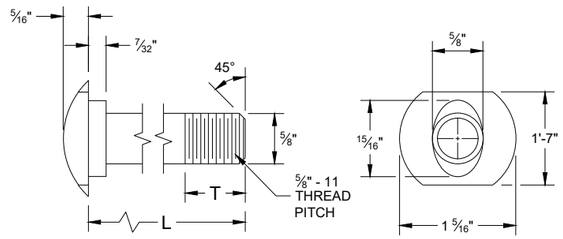
DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

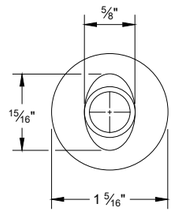
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

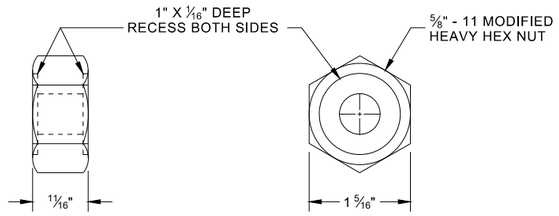


POST BOLT TABLE

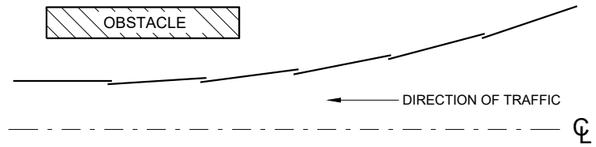
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



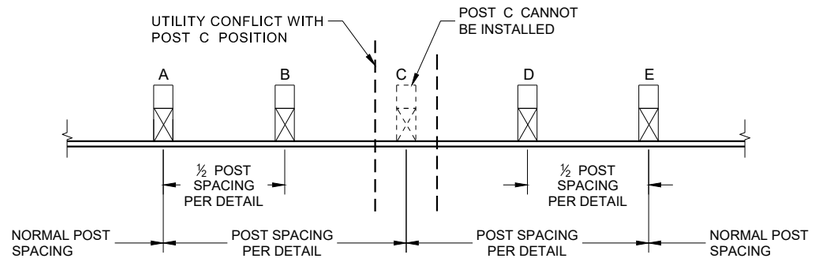
ALTERNATE BOLT HEAD



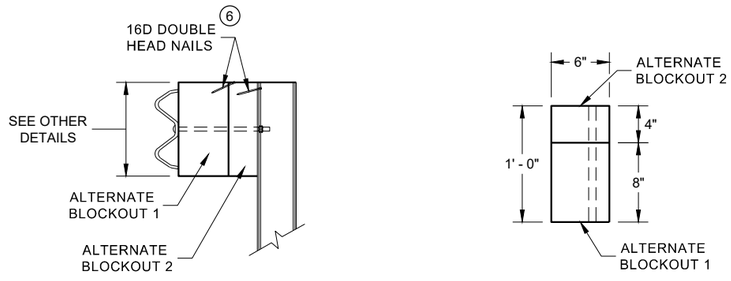
POST BOLT, SPLICE BOLT AND RECESS NUT



PLAN VIEW
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



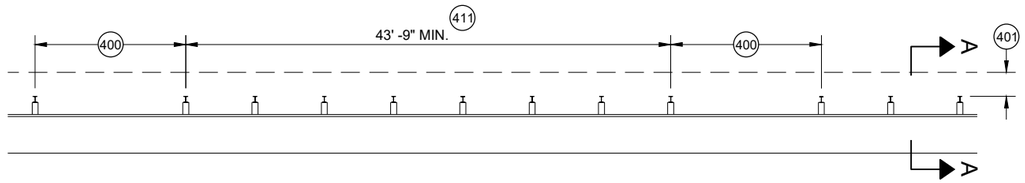
SIDE VIEW

PLAN VIEW

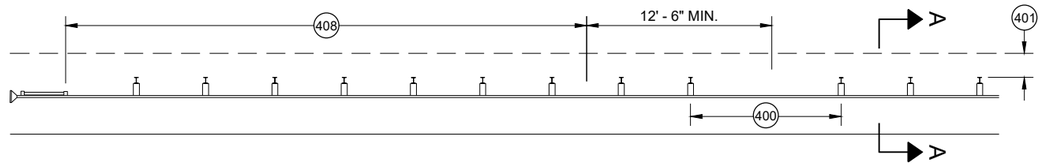
ALTERNATE WOOD BLOCKOUT DETAIL

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

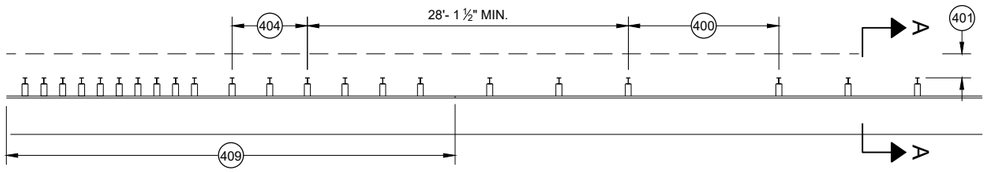
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



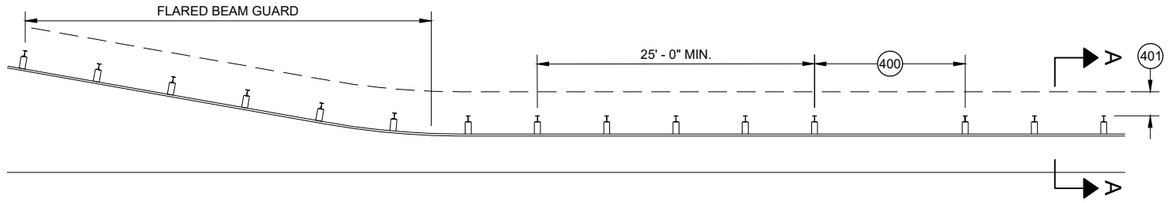
MISSING POST IN MGS GUARDRAIL



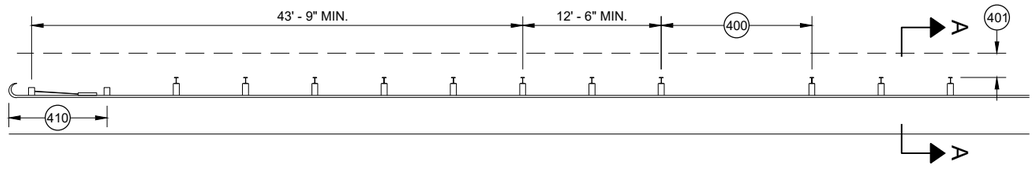
MISSING POST IN MGS GUARDRAIL NEAR EAT



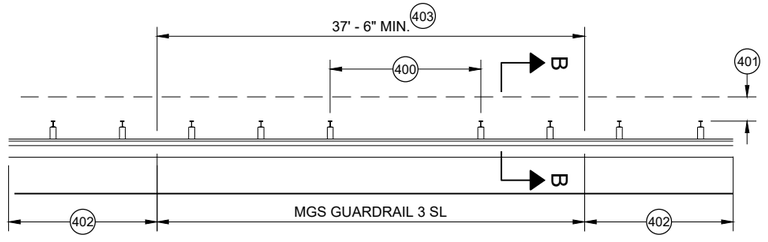
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

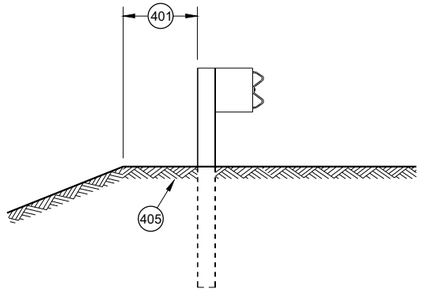


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

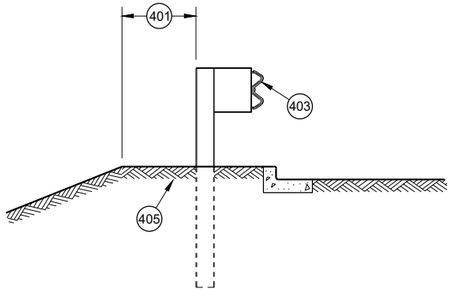


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

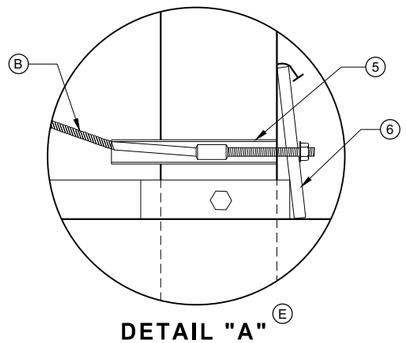
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

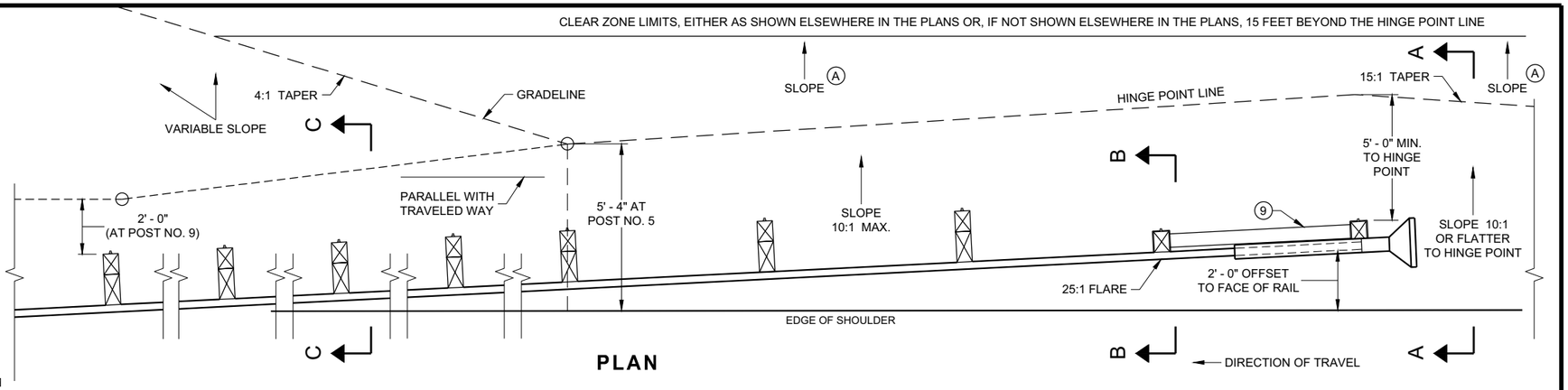
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

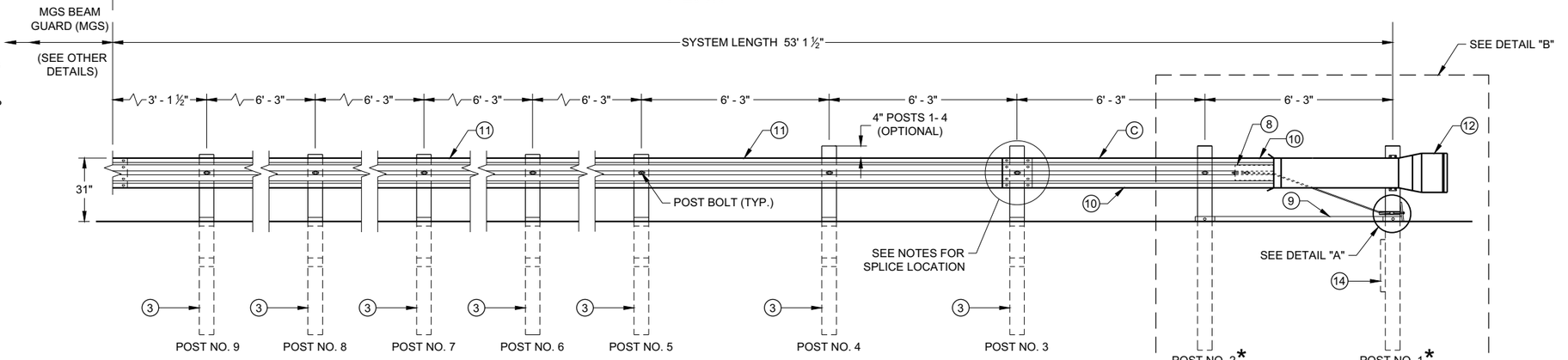
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



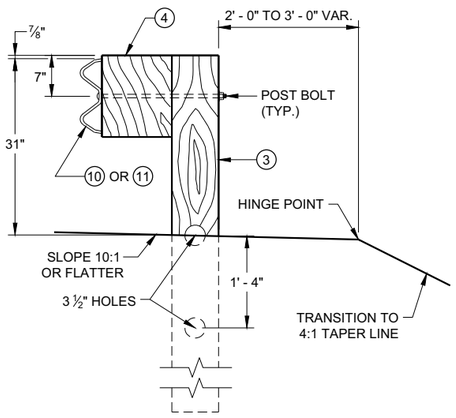
DETAIL "A" (E)



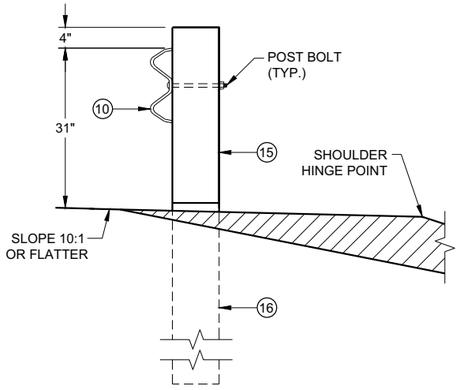
PLAN



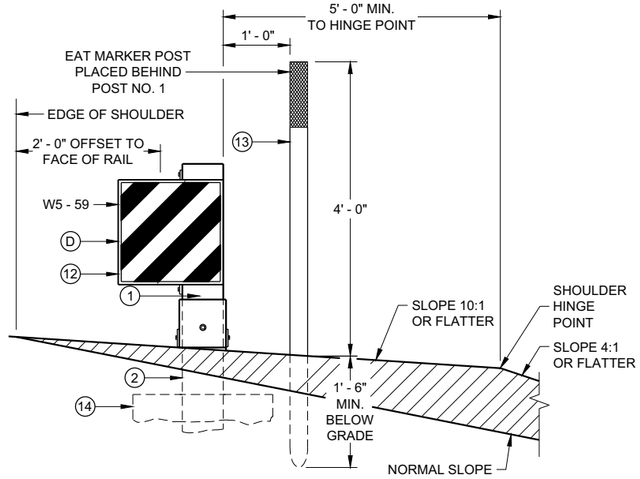
ELEVATION



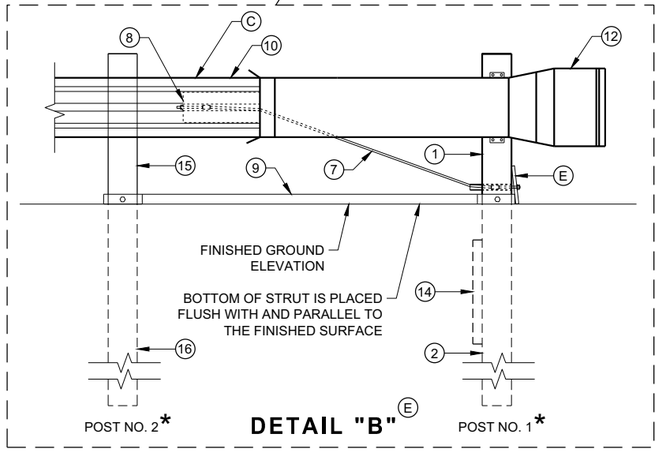
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



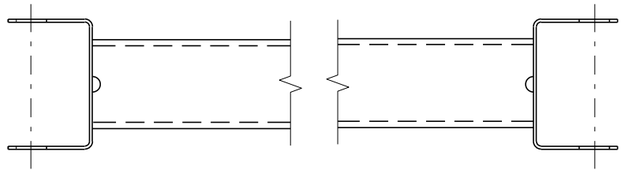
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

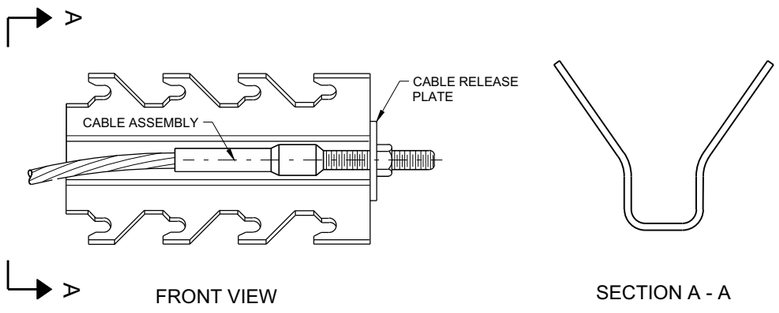
SDD 14B44 - 04a



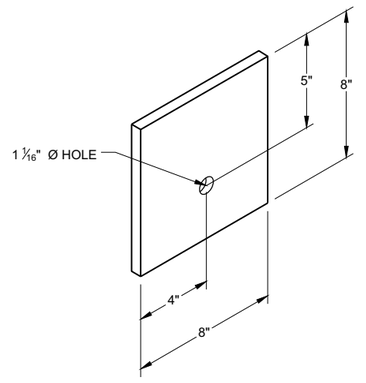
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

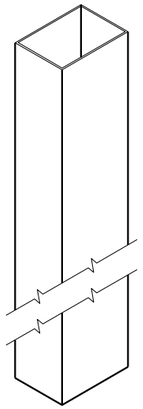
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SDD 14B44 - 04b

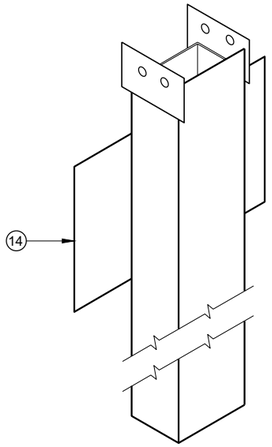
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

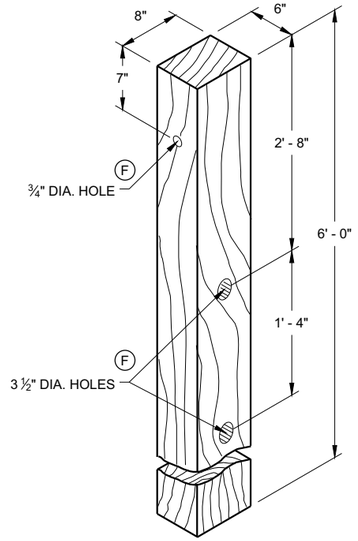
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



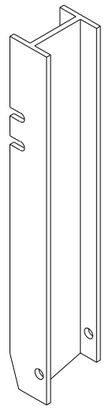
UPPER POST NO. 1 (1) (E)



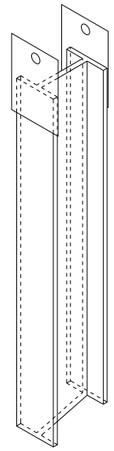
LOWER POST NO. 1 (2) (E)



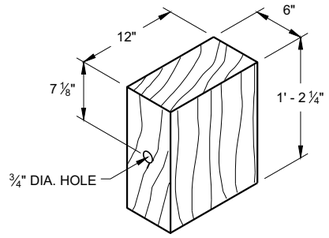
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



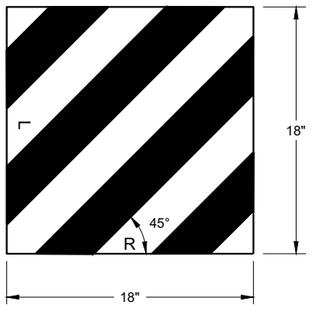
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

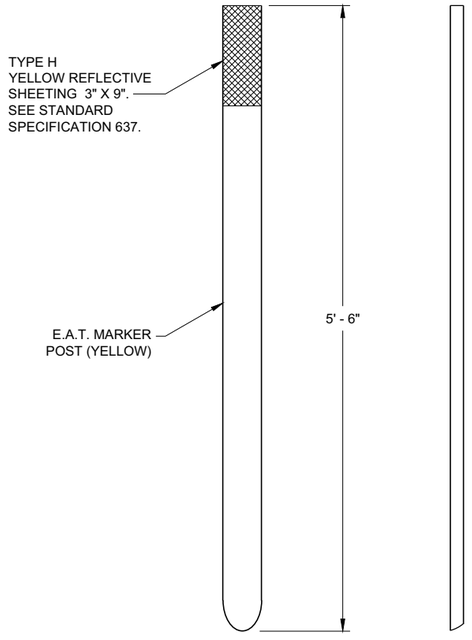


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



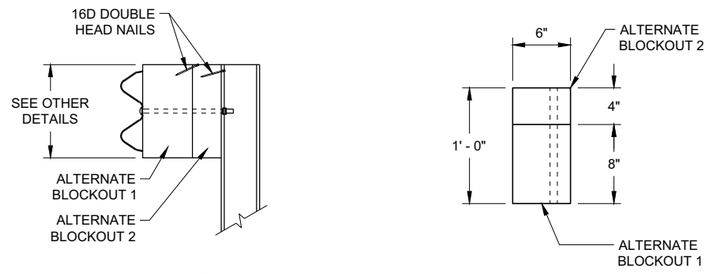
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

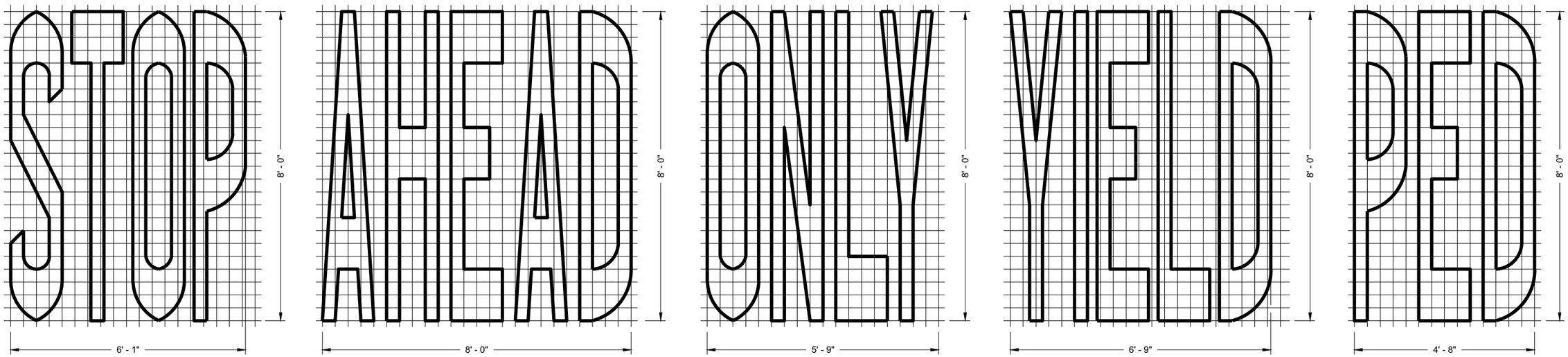
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

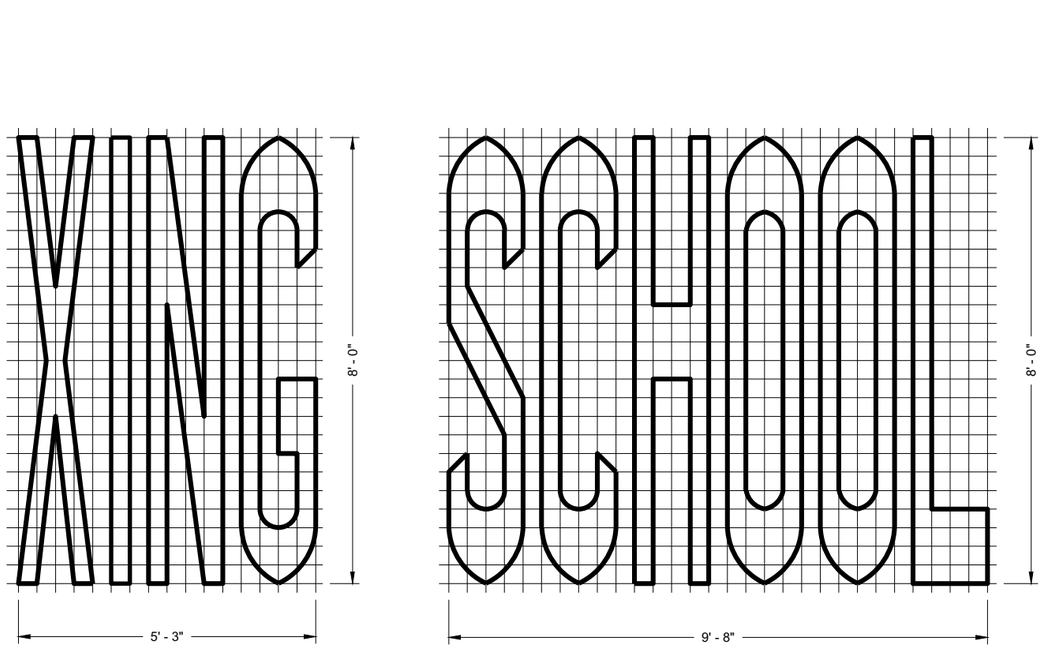
APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

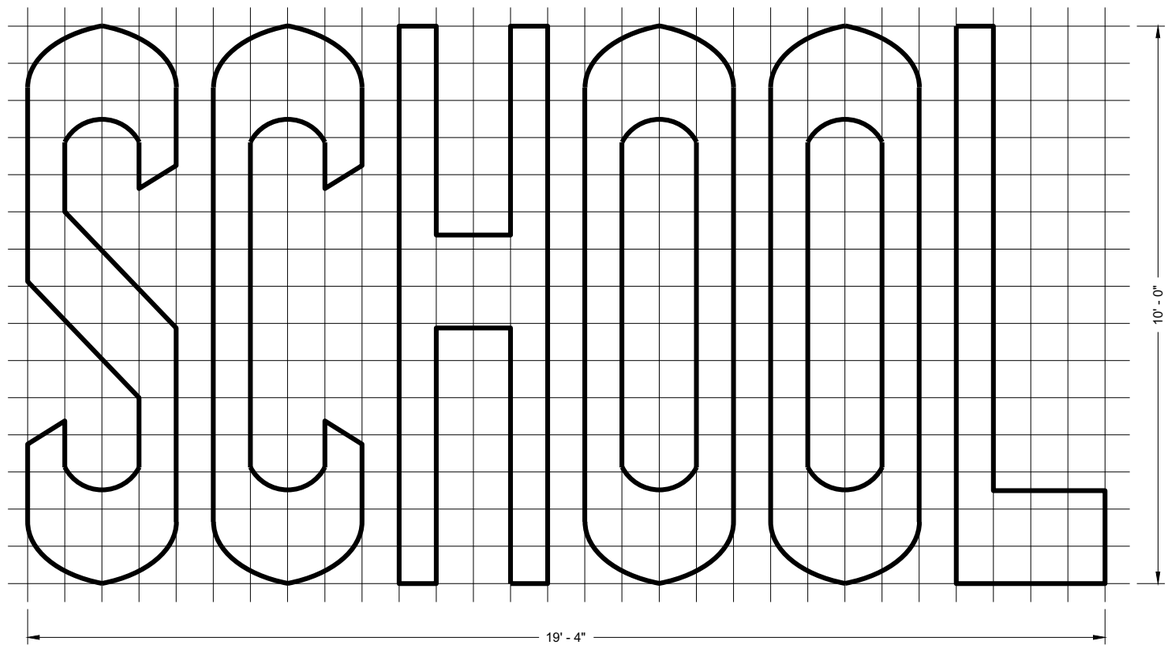
6

SDD 14B44 - 04c





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 MAF ENGINEER

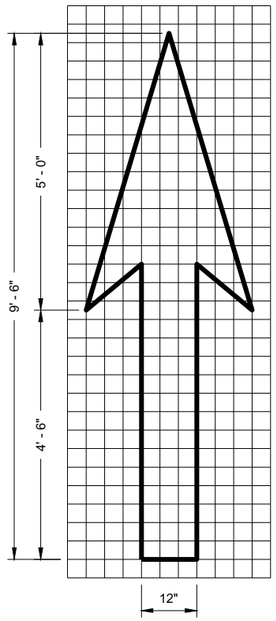
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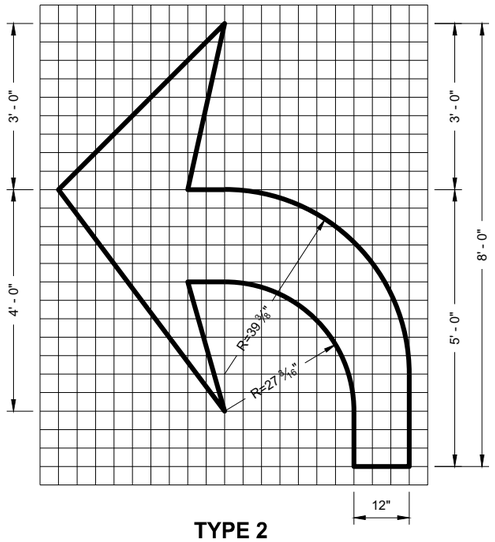
SDD 15C07 - 15b

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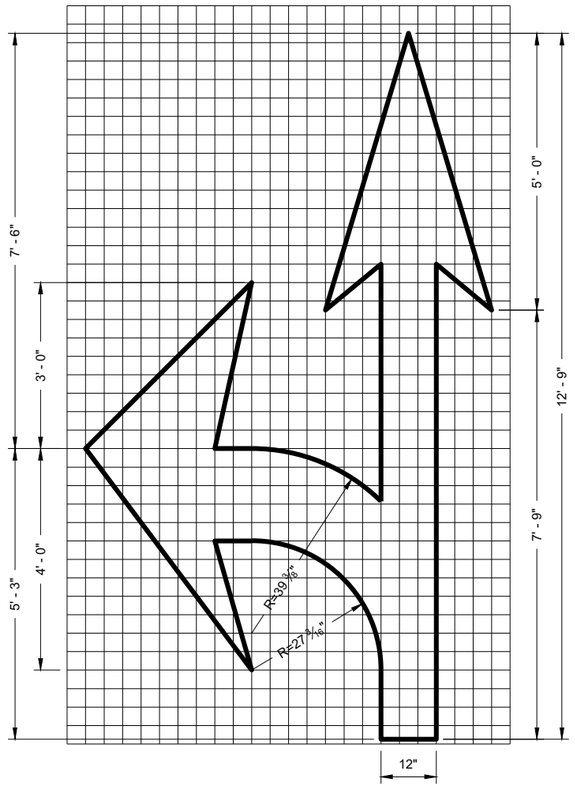
SDD 15C07 - 15b



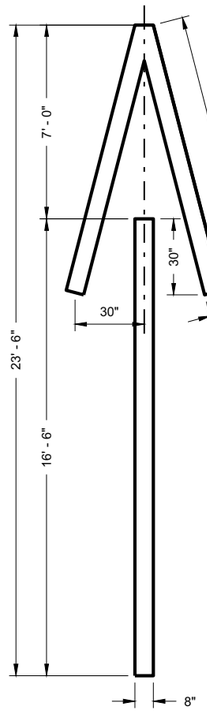
TYPE 1



TYPE 2



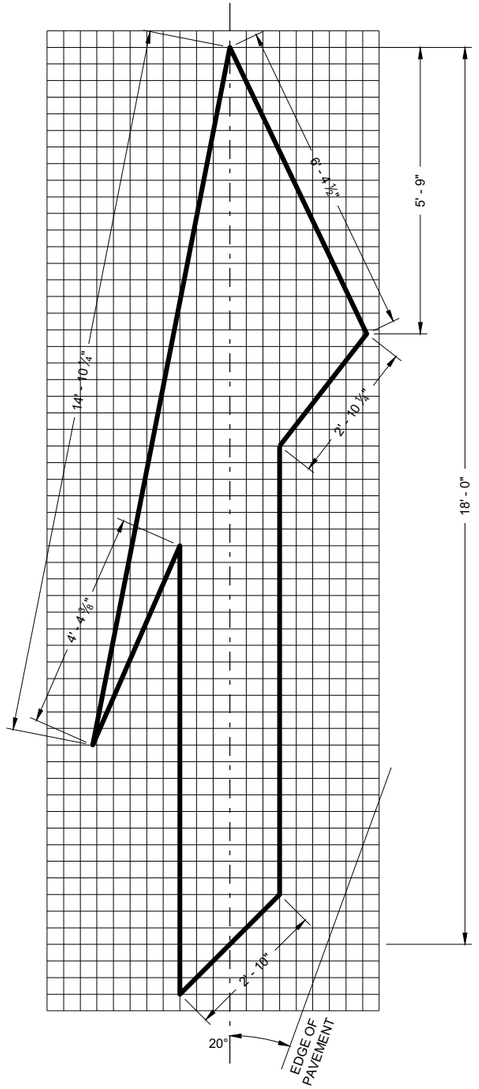
TYPE 3



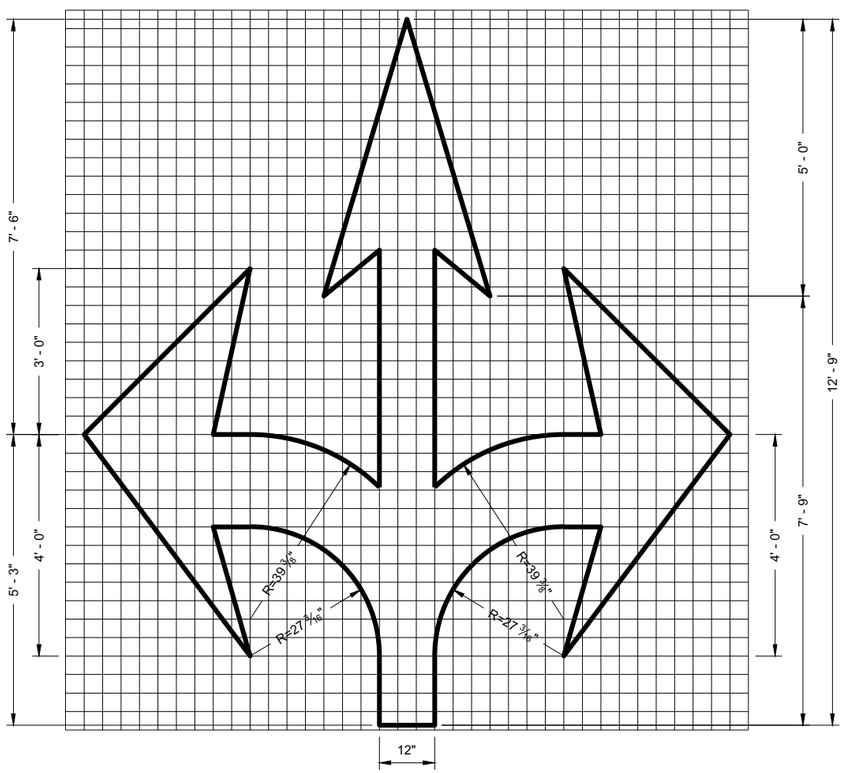
TYPE 4

GENERAL NOTES

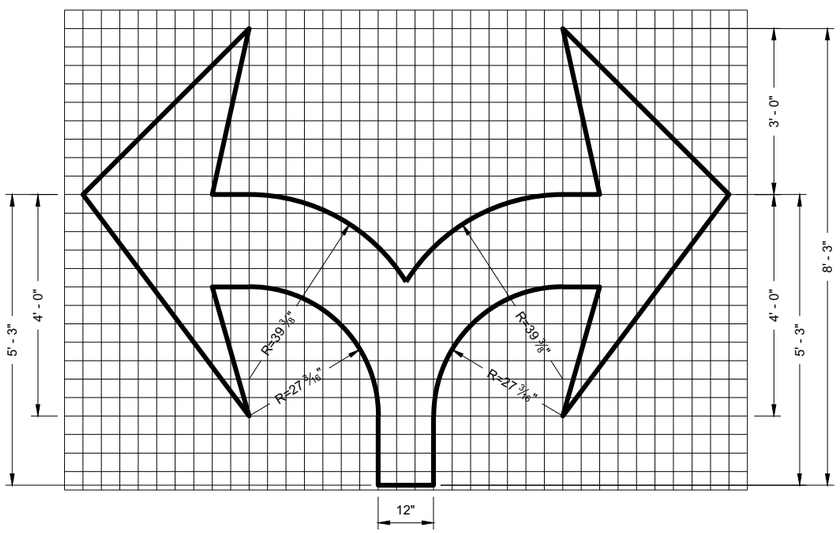
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

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DEPARTMENT OF TRANSPORTATION

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6

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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

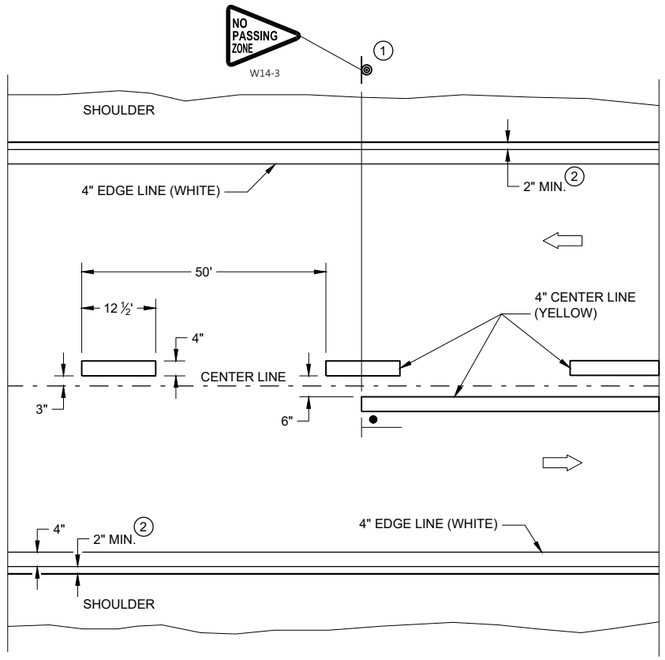
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

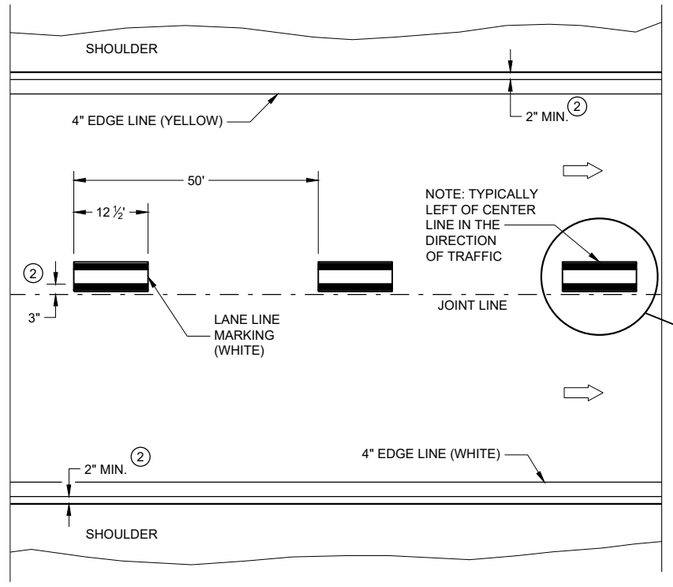
"T" MARKING

SIGN ON PERMANENT SUPPORT

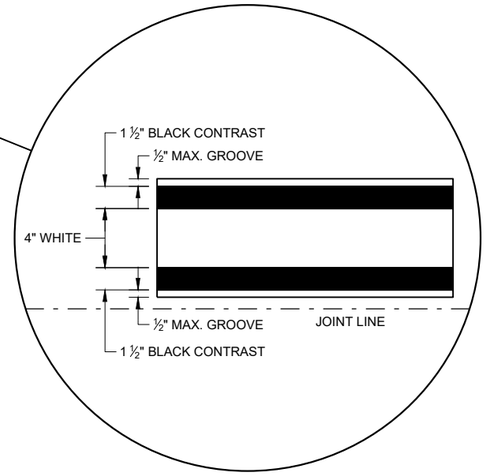
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Jeannie Silver
STATEWIDE SIGNING AND M
ENGINEER

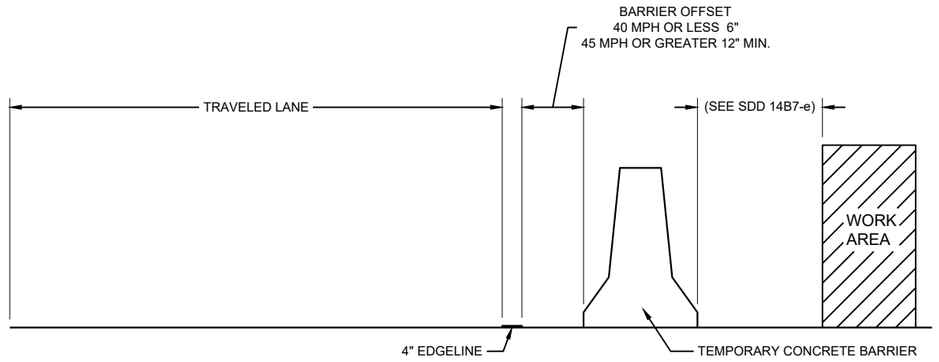
FHWA

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SDD 15C08 - 22a

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SDD 15C08 - 22a



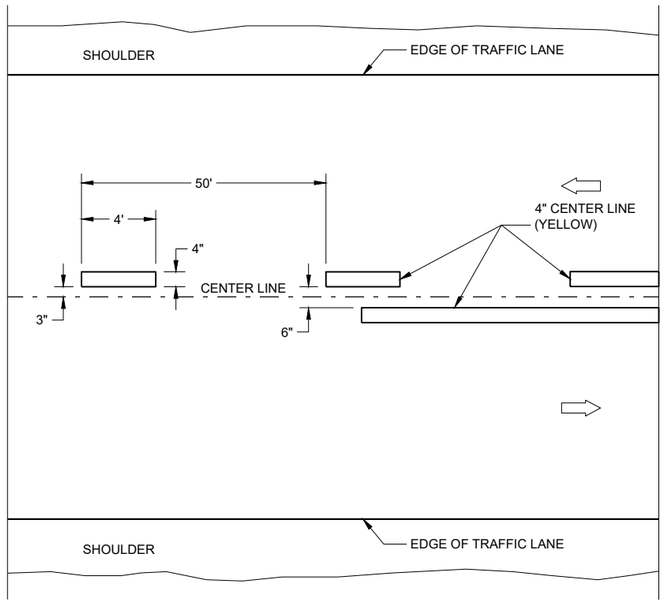
TEMPORARY BARRIER OFFSET FROM EDGELINE

GENERAL NOTES

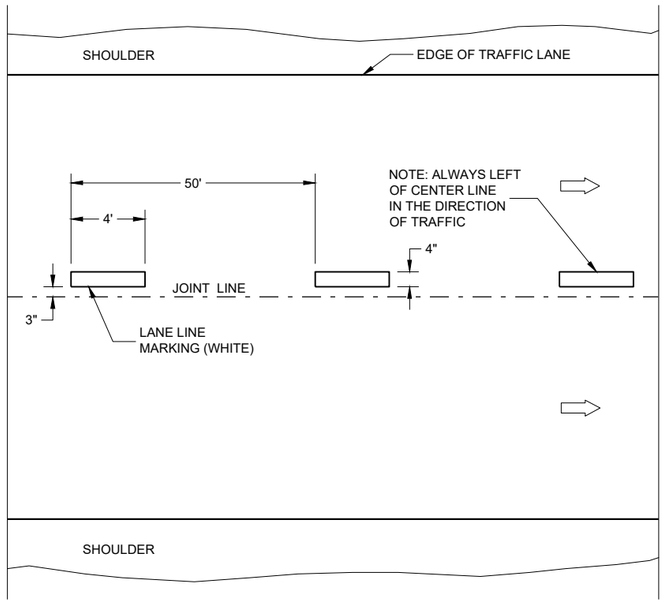
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

LEGEND

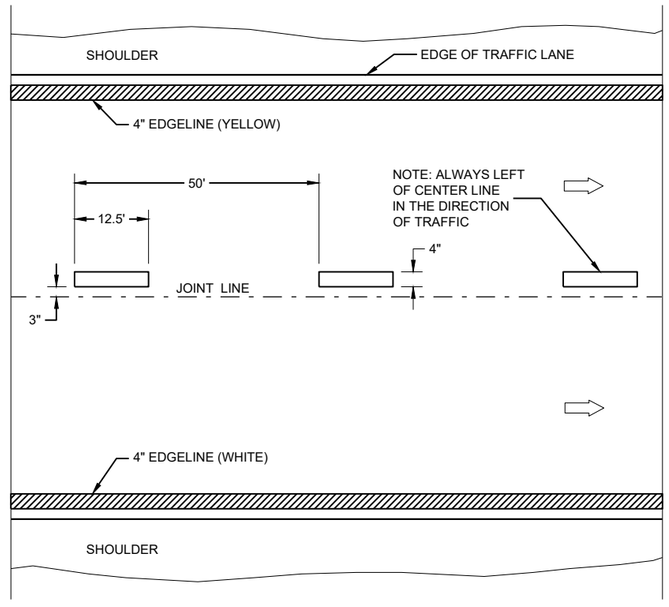
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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ENGINEER

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SDD 15C08 - 22b

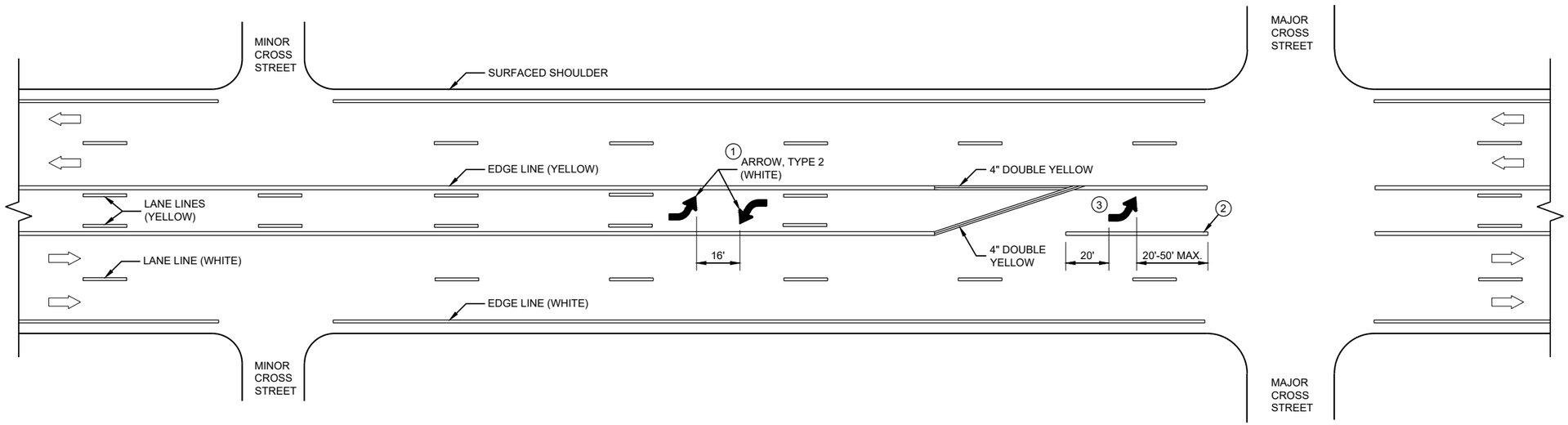
6

SDD 15C08 - 22b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

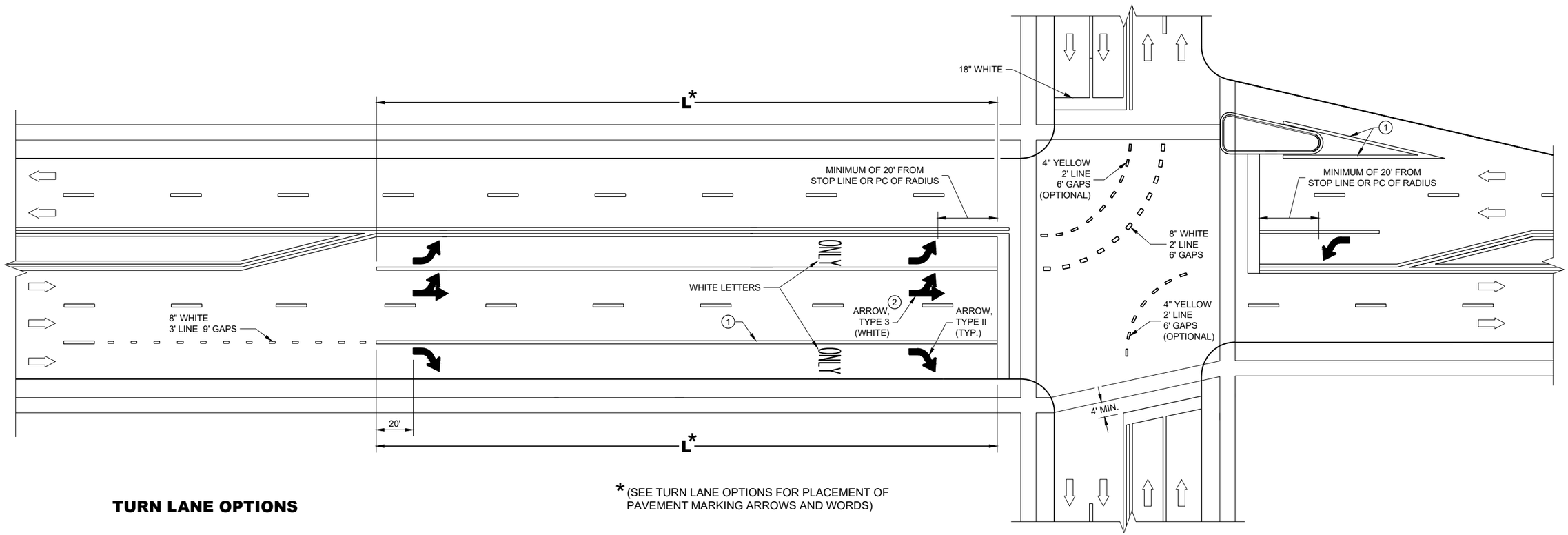
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SDD 15C08 - 22c

SDD 15C08 - 22c

PAVEMENT MARKING (TURN LANES)

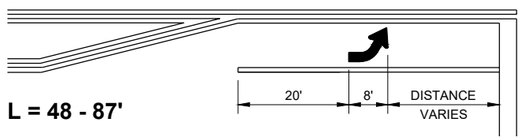
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA



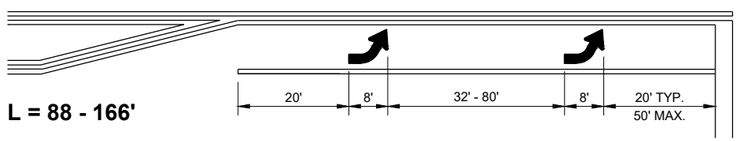
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

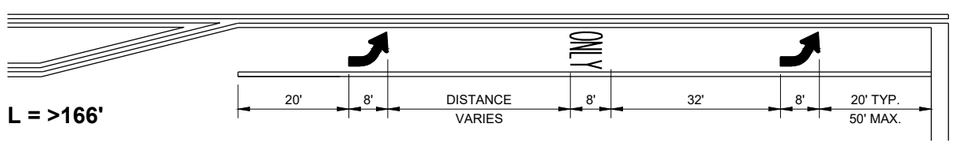
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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)

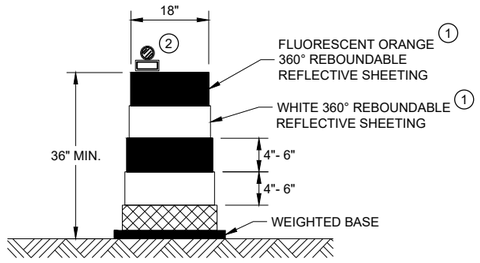
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DEPARTMENT OF TRANSPORTATION

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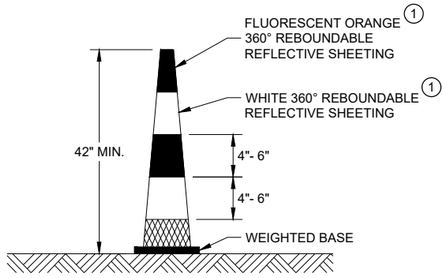
SDD 15C08 - 22d

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.

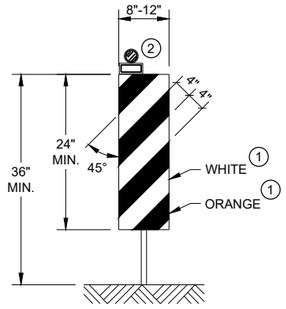


DRUM



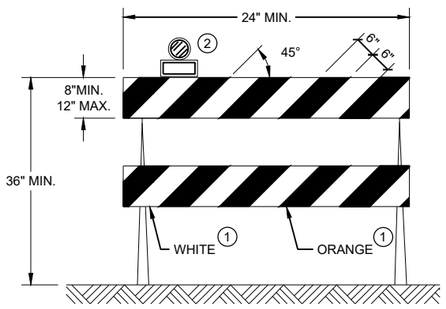
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



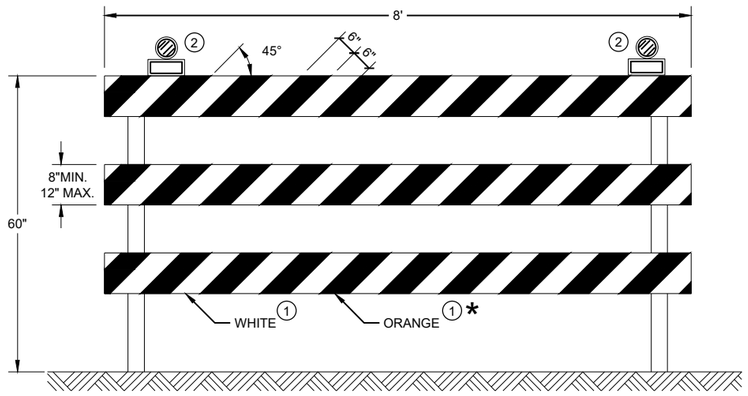
VERTICAL PANEL

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
May 2021
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

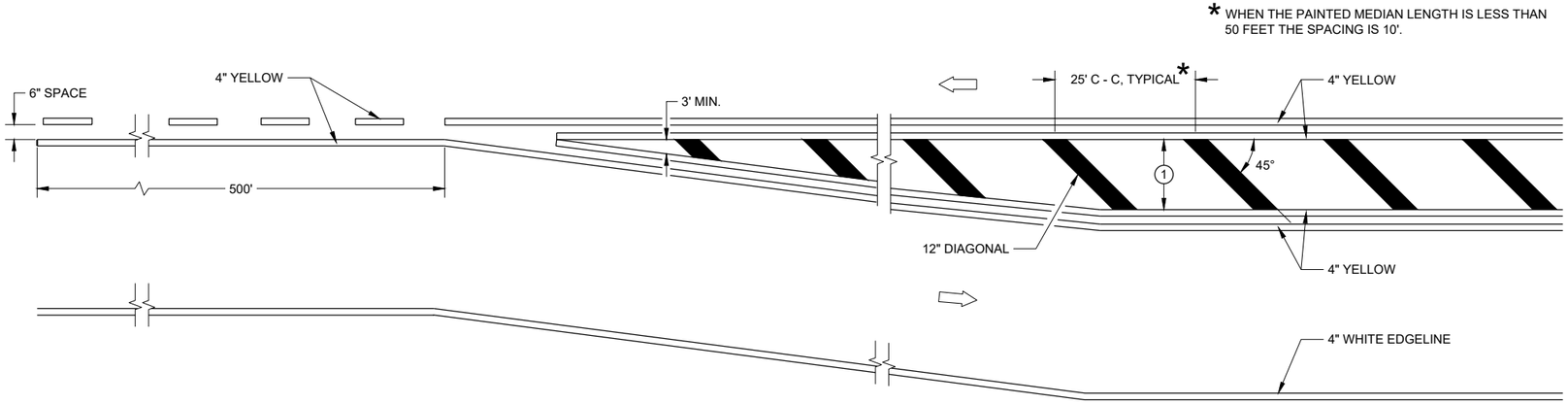
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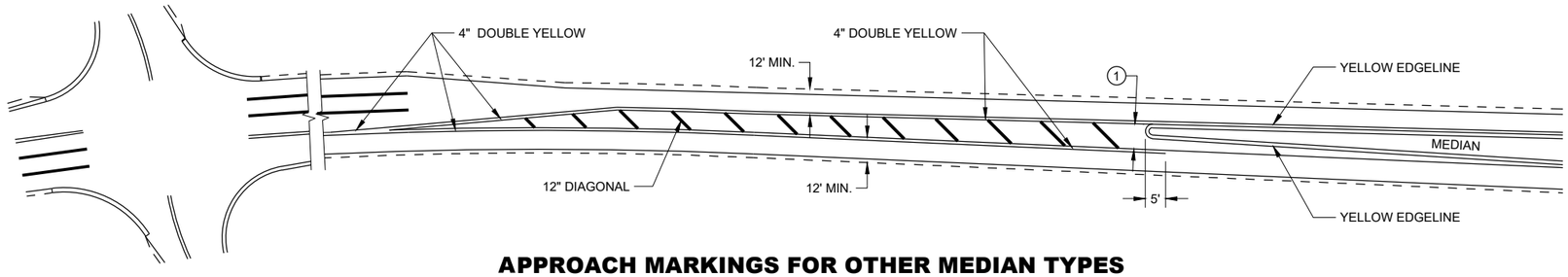
SDD 15C11 - 09b

6

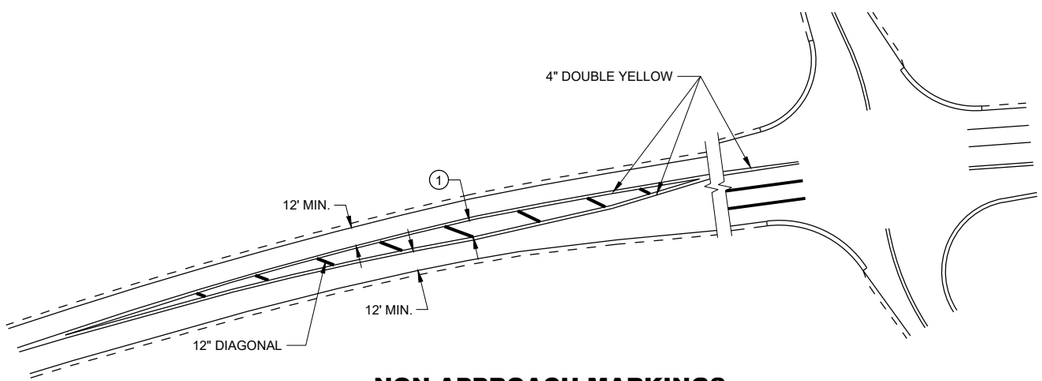
SDD 15C11 - 09b



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

GENERAL NOTES

1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

⇨ DIRECTION OF TRAVEL

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
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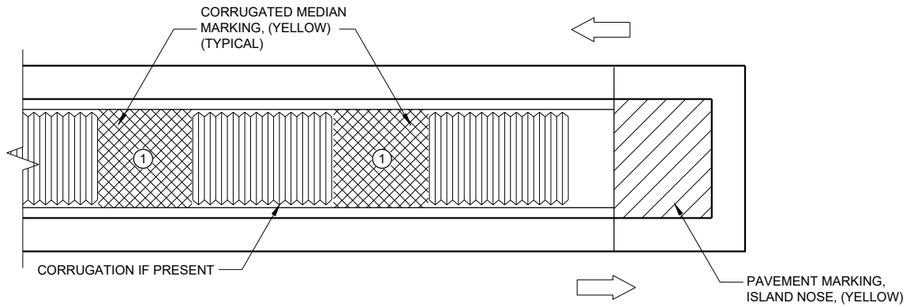
/S/ Jeannie Silver
STATE SIGNING AND MAF ENGINEER

FHWA

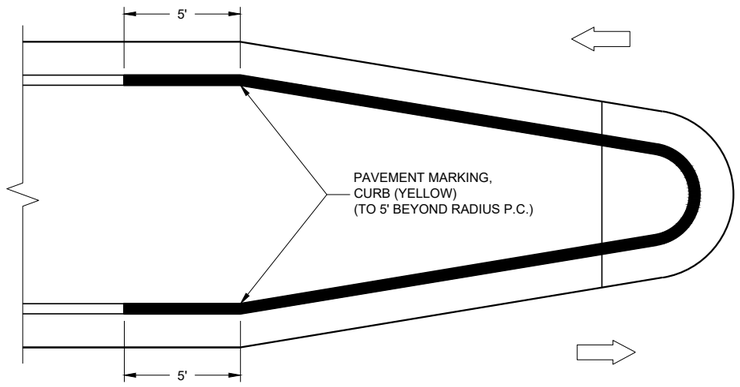
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SDD 15C18 - 06a

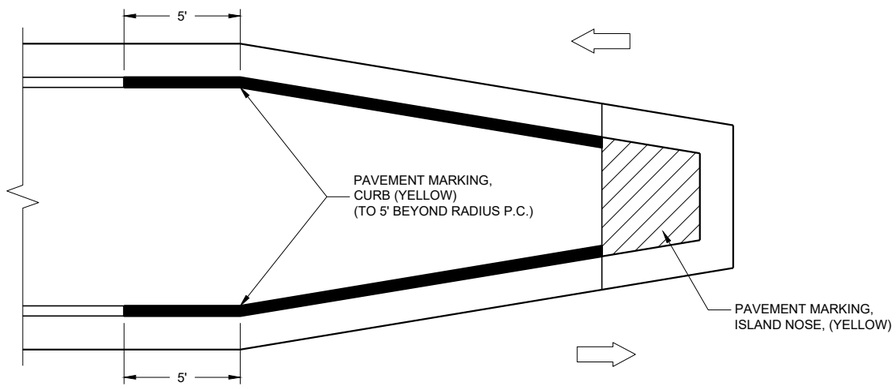
SDD 15C18 - 06a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

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DEPARTMENT OF TRANSPORTATION

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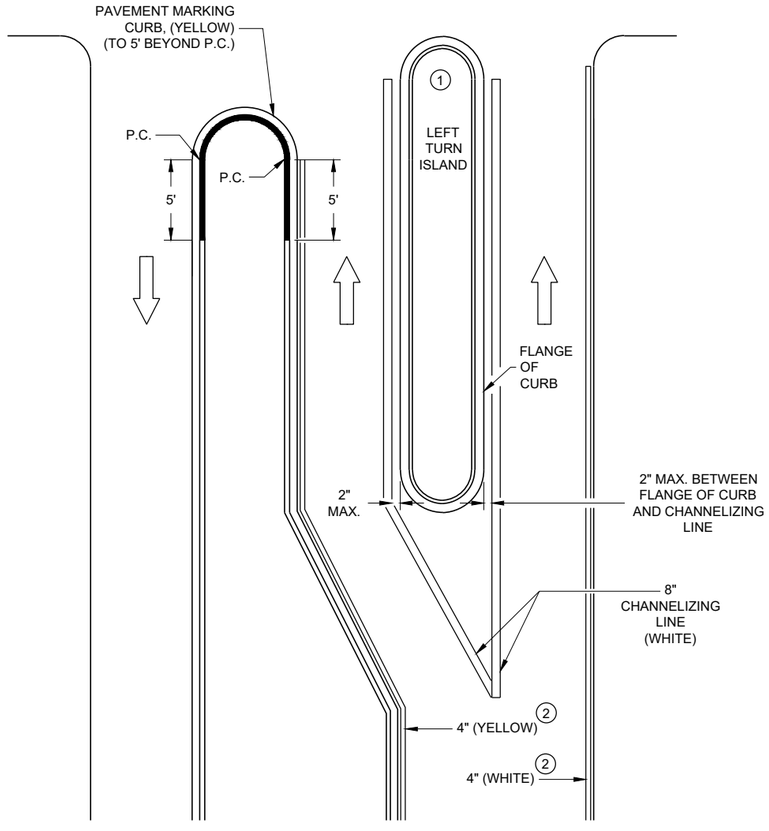
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SDD 15C18 - 06b

6

SDD15C18 - 06b

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

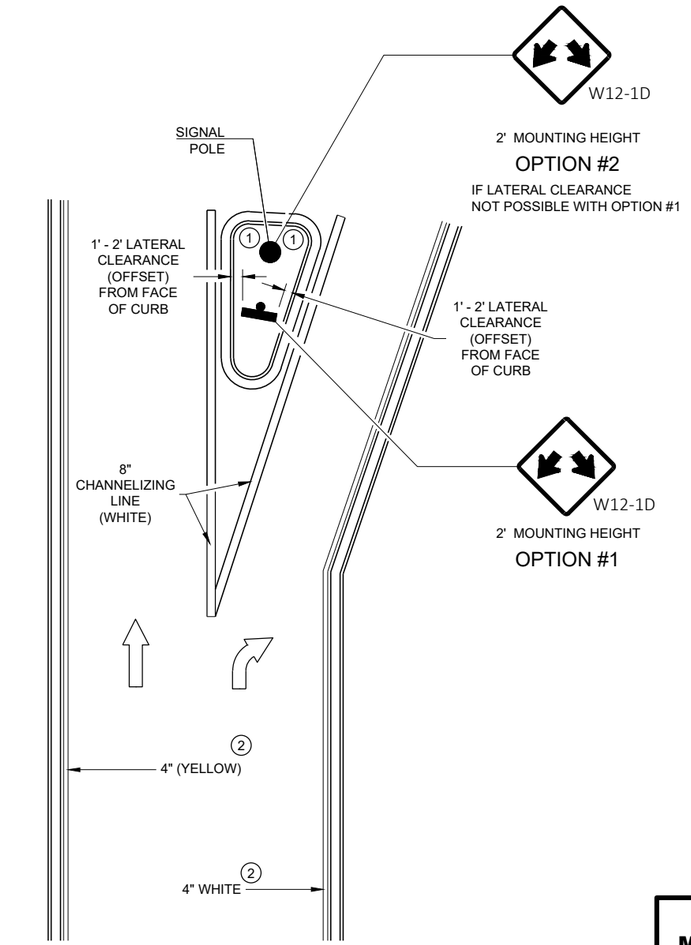
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
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SDD 15C18 - 06c

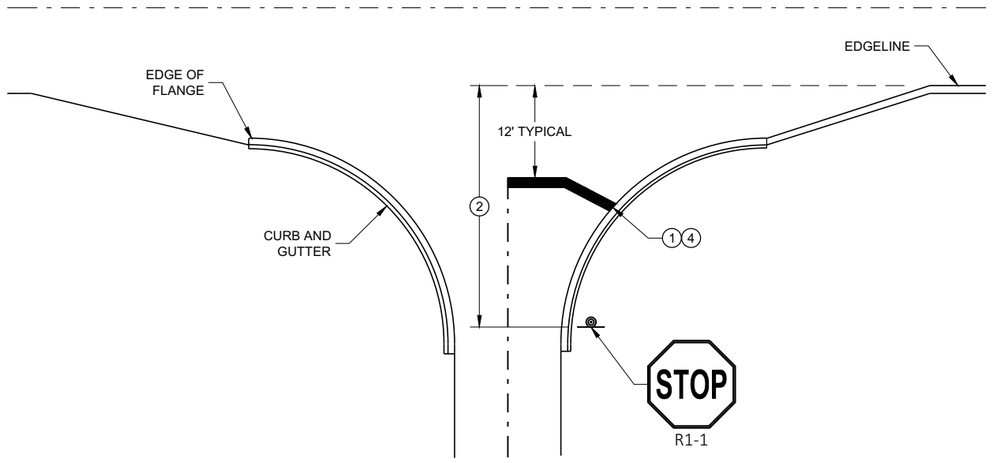
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SDD 15C18 - 06c

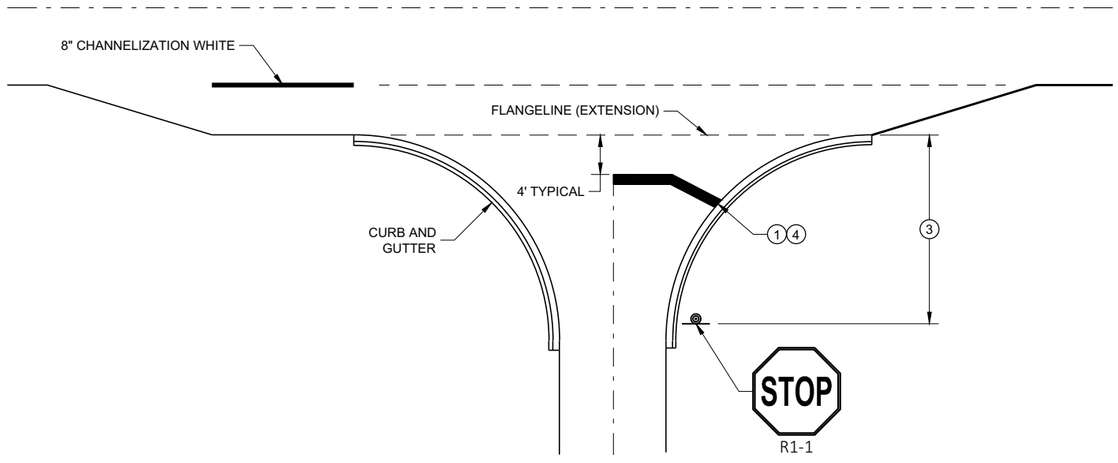
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

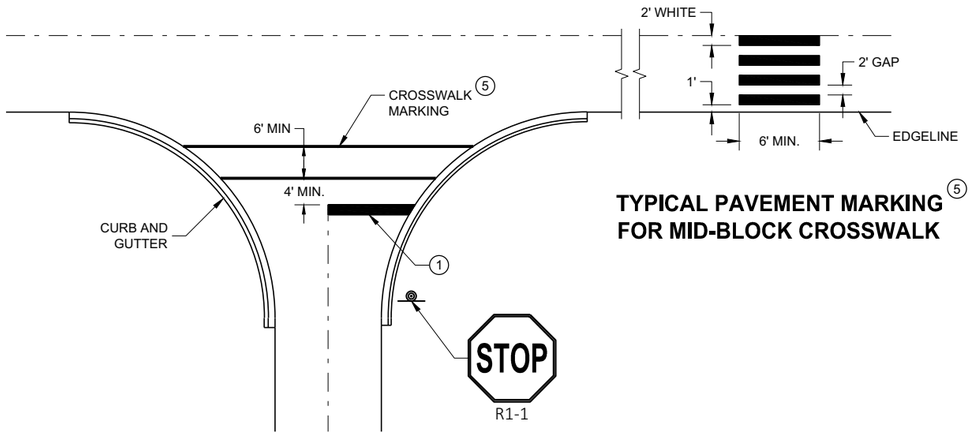
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

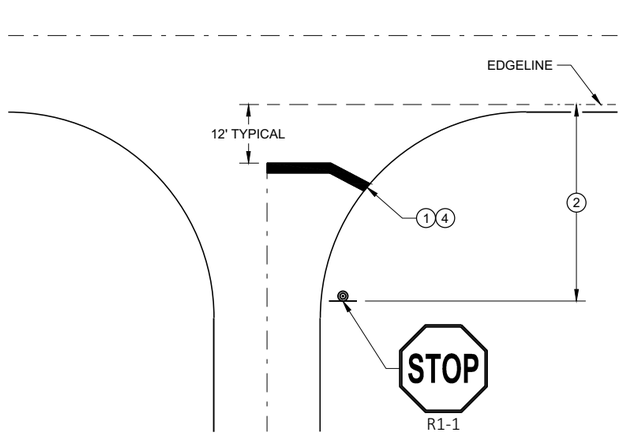


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING 5 FOR MID-BLOCK CROSSWALK



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

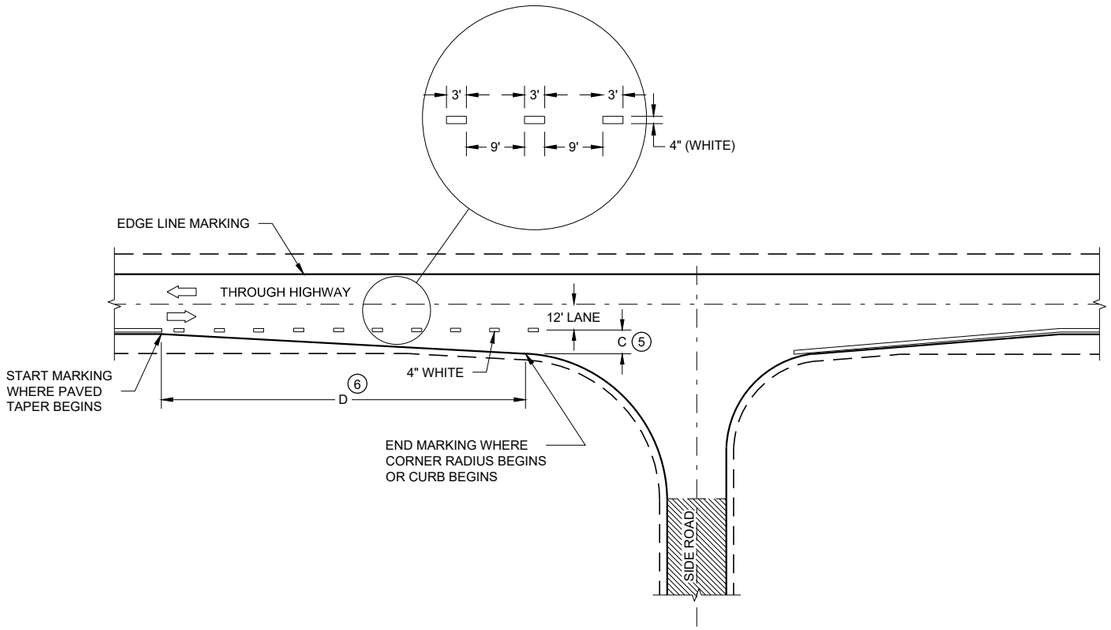
STATE OF WISCONSIN
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SDD 15C33 - 04



MINOR INTERSECTION

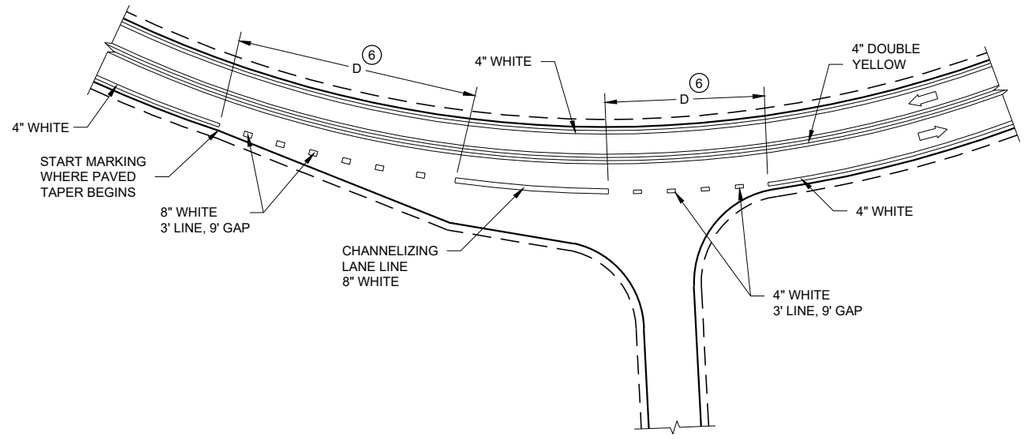
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

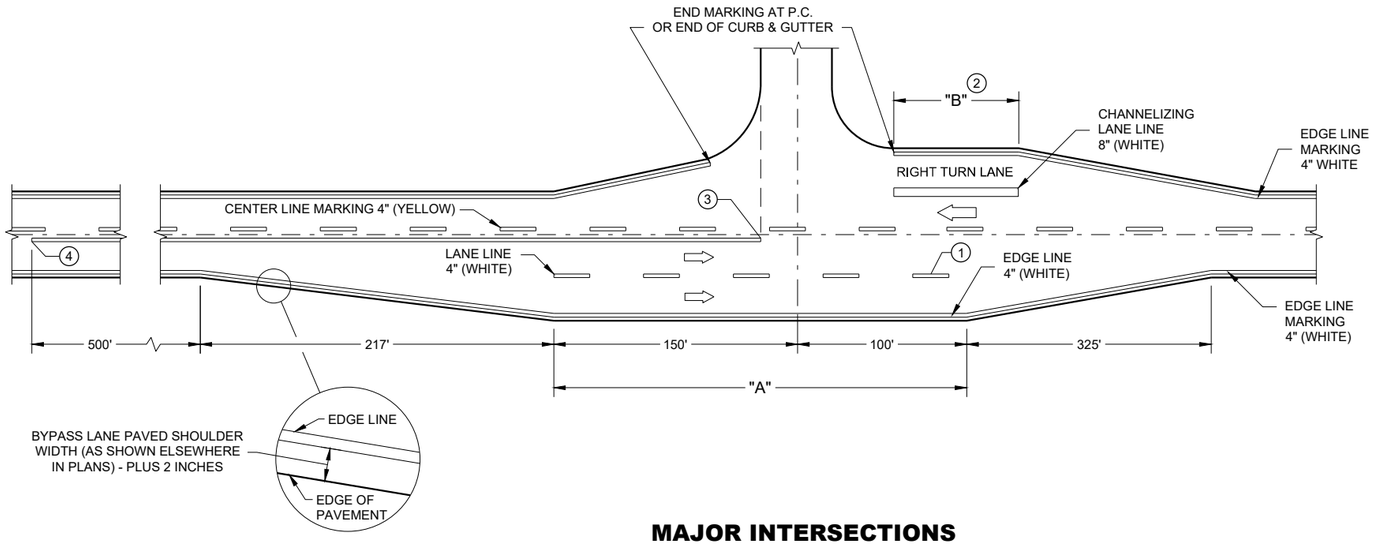
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, 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)

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.

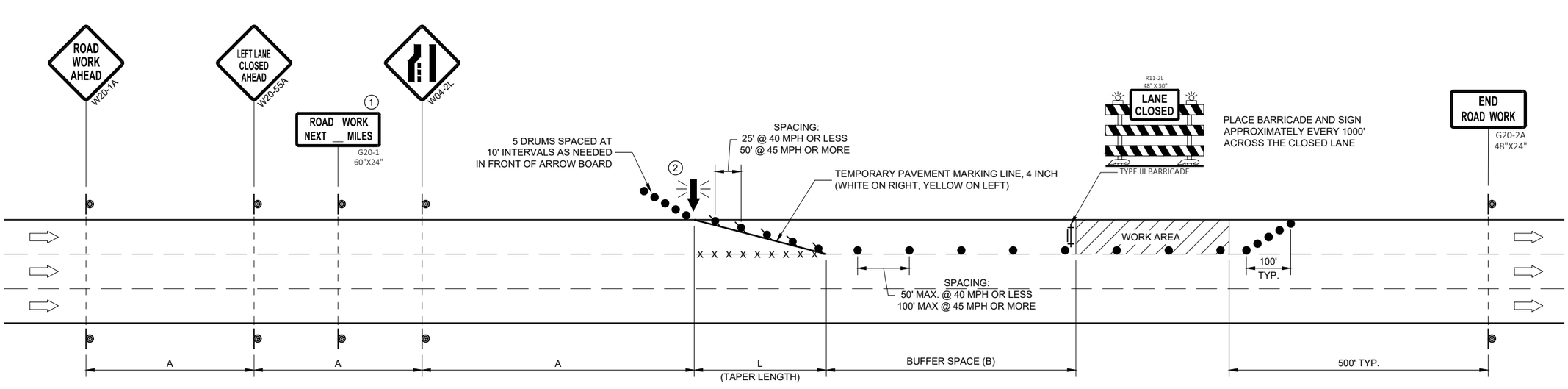
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

GENERAL NOTES

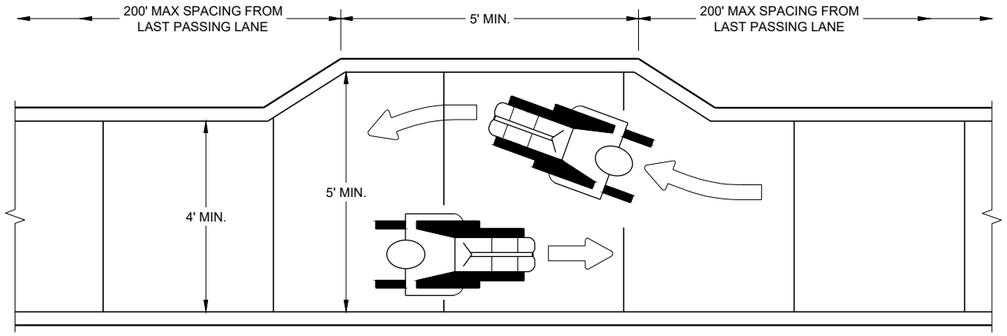
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

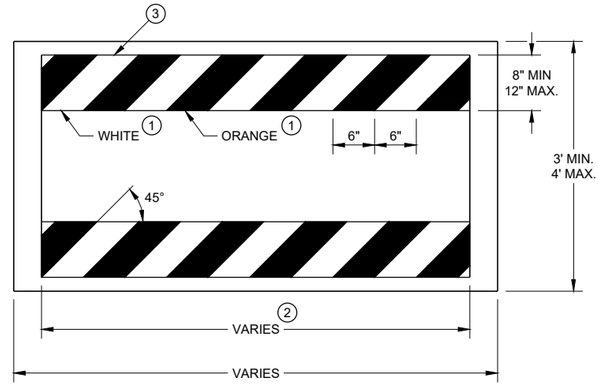
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

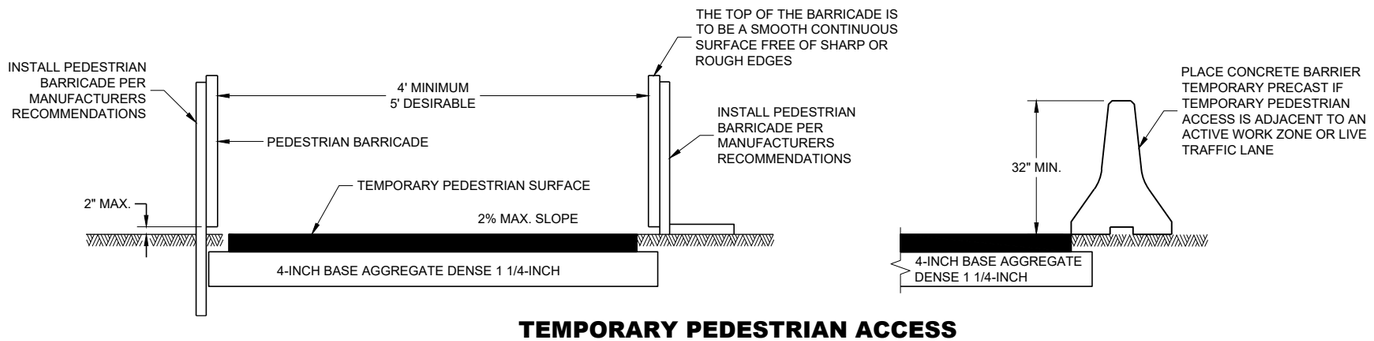
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*

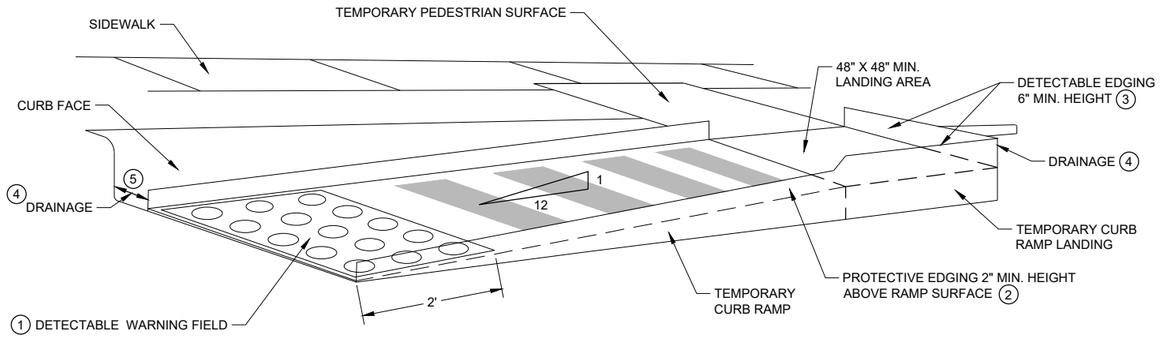


TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 07a



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

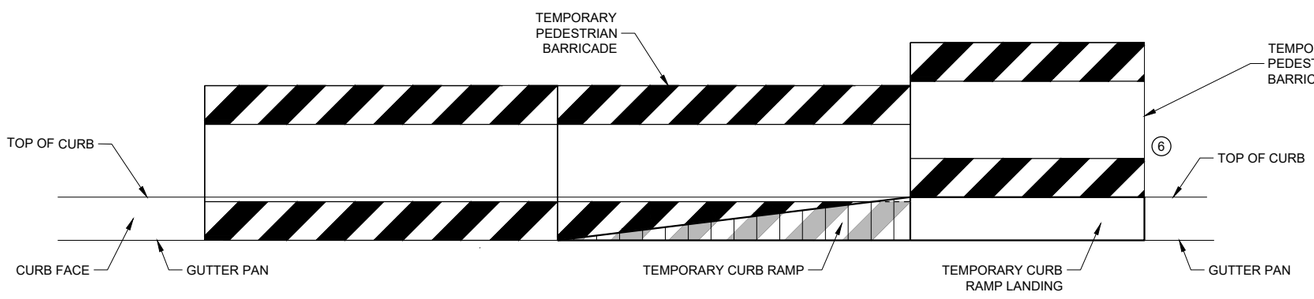
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

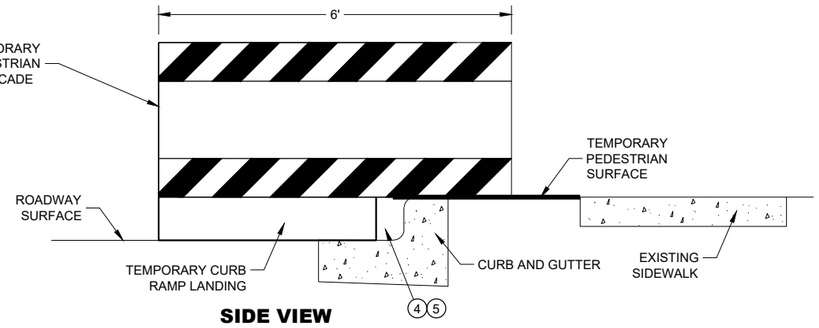
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) 6" MINIMUM BETWEEN CURB FACE AND EDGE OF RAMP

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

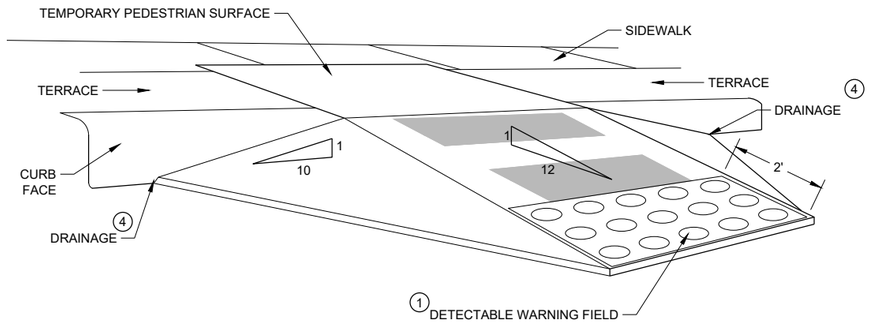
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

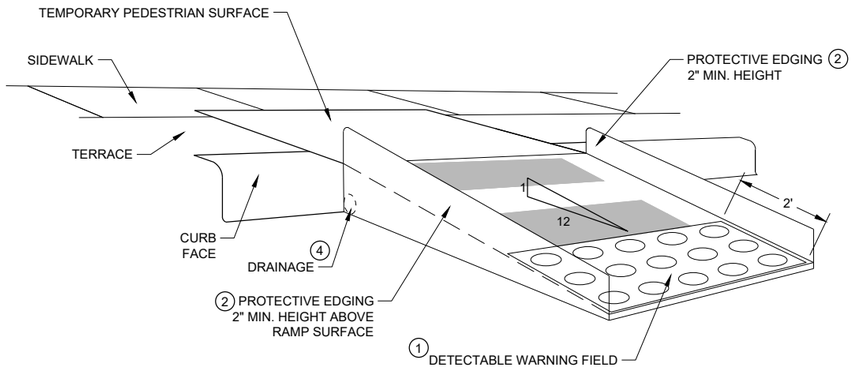
SDD 15D30 - 07b

6

SDD 15D30 - 07b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

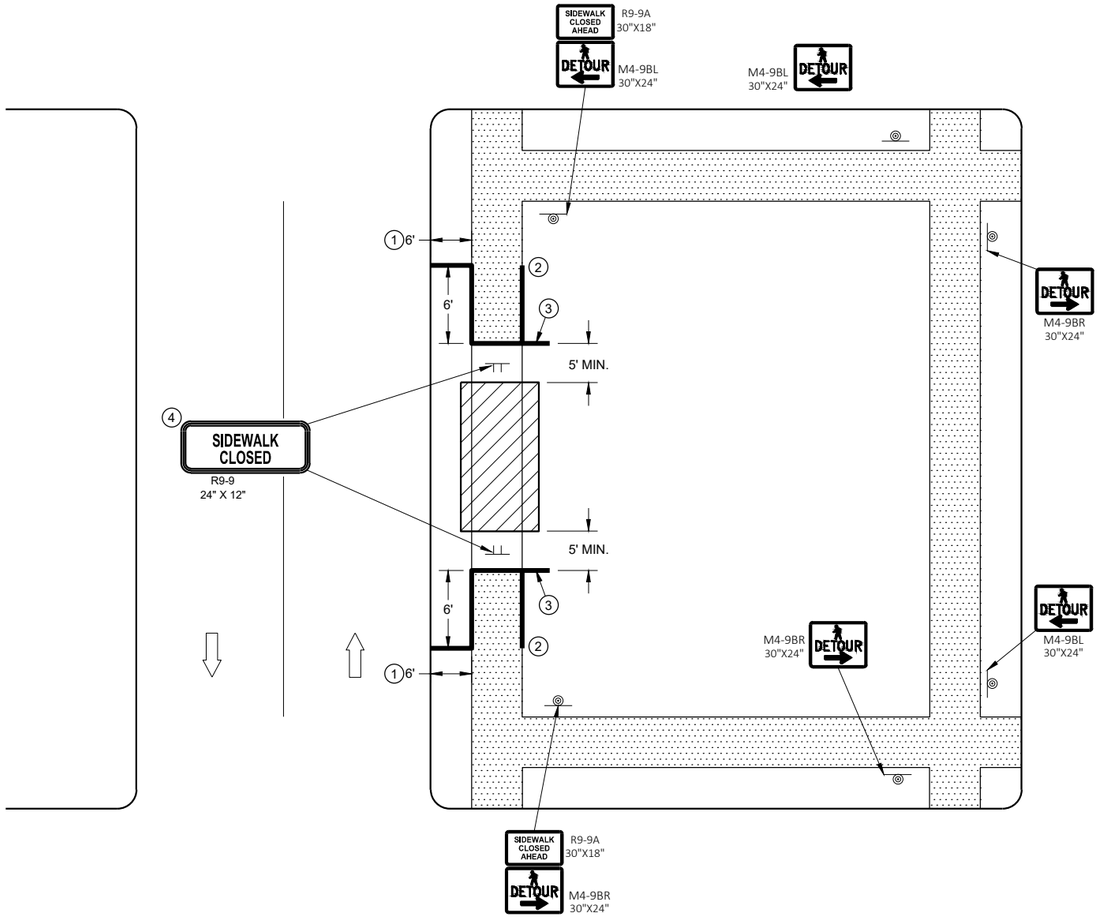
6

SDD 15D30 - 07c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

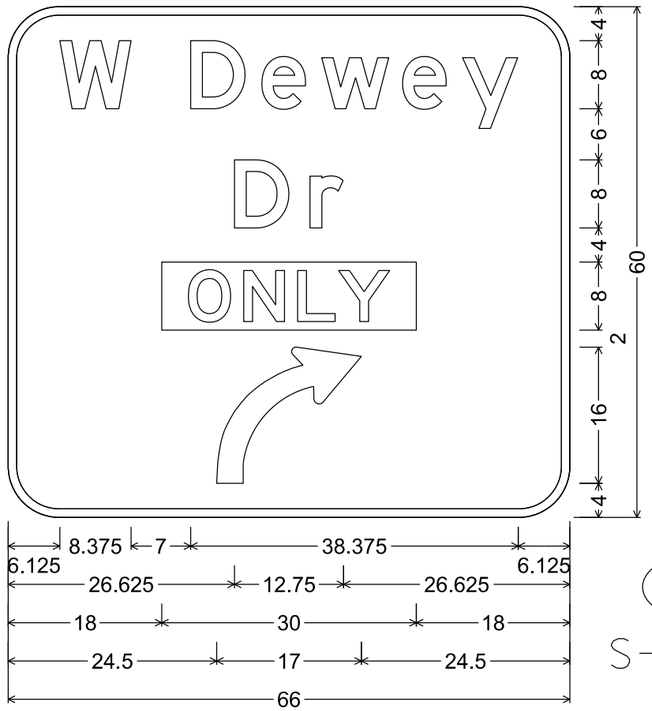
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

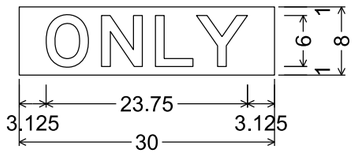
SDD 15D30 - 07f

NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Only Plaque background on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



D16-1R; 6.000" Radius, 1.000" Border



No border, Black on, Fluorescent yellow;
"ONLY", E;

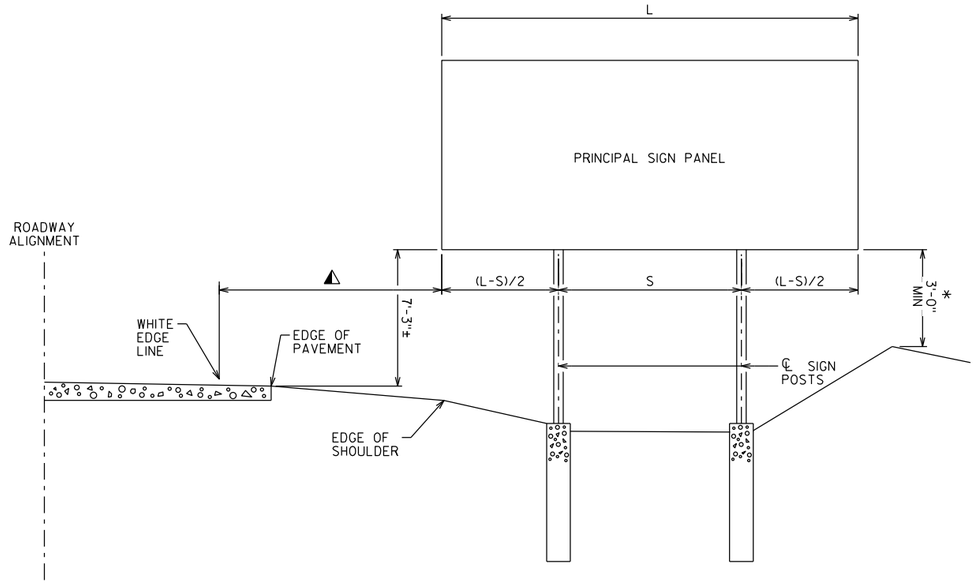
213

S-67-981

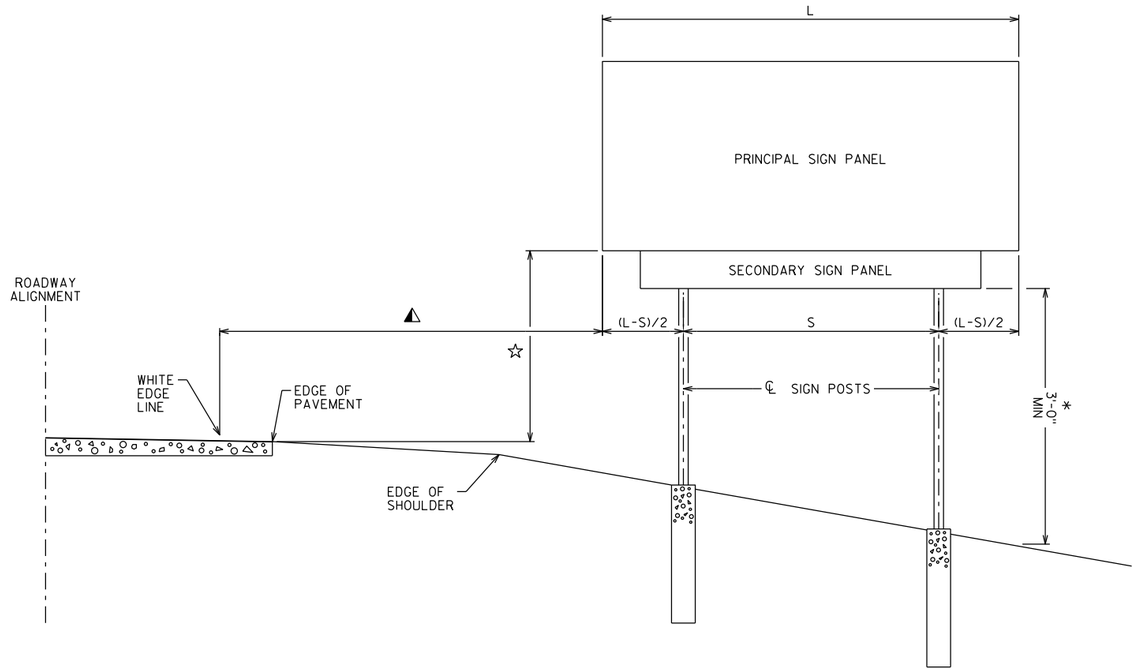
7

7

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WAUKESHA	PERMANENT SIGNING	SHEET NO: 154	E



INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".

◭ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

☆ THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS. FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.

* THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-0"±.

POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

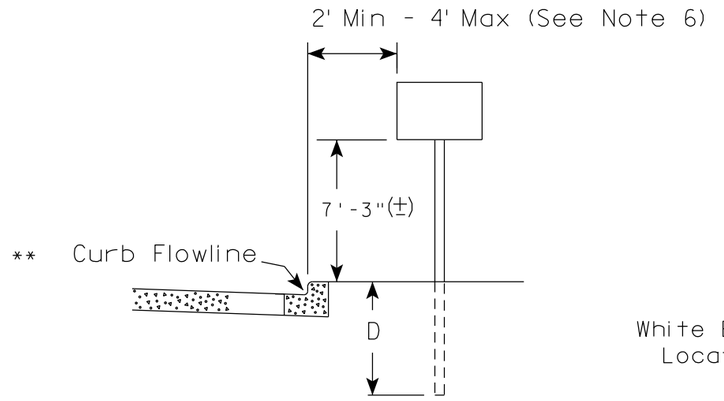
DRAWN BY | PLANS CK'D.

TYPICAL TYPE I SIGN INSTALLATION

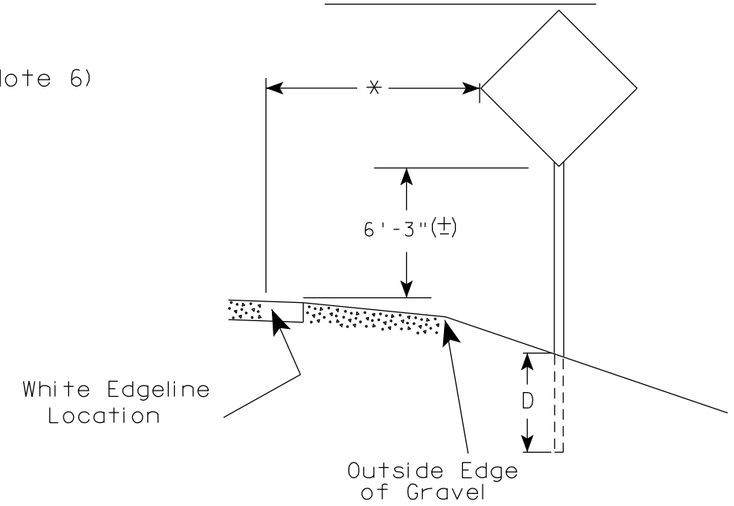
SHEET A4-1.10

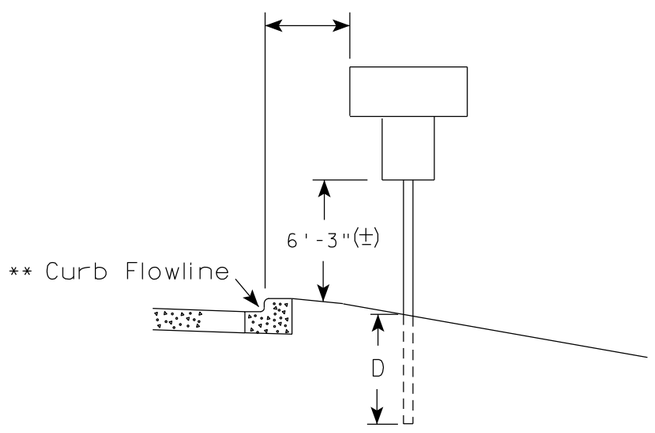
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 155	E

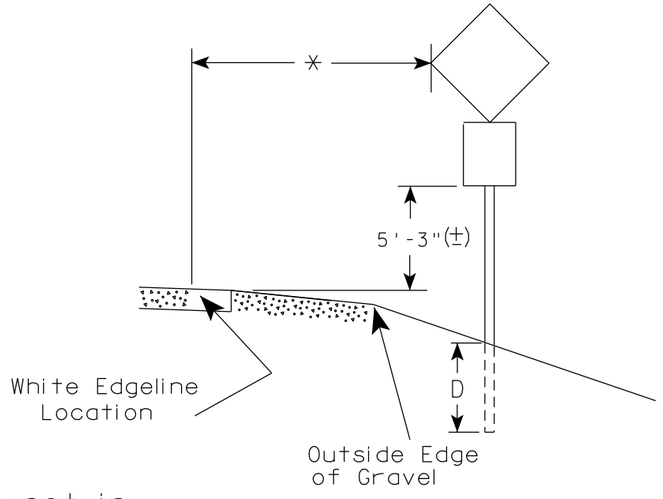
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on 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.

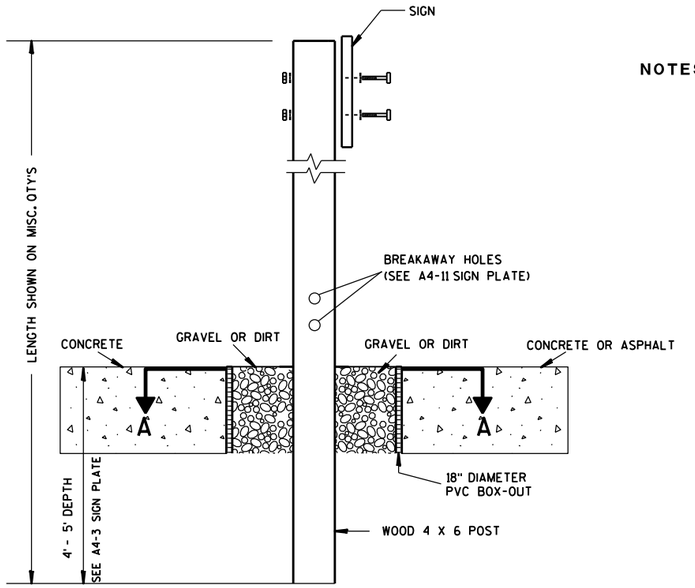
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

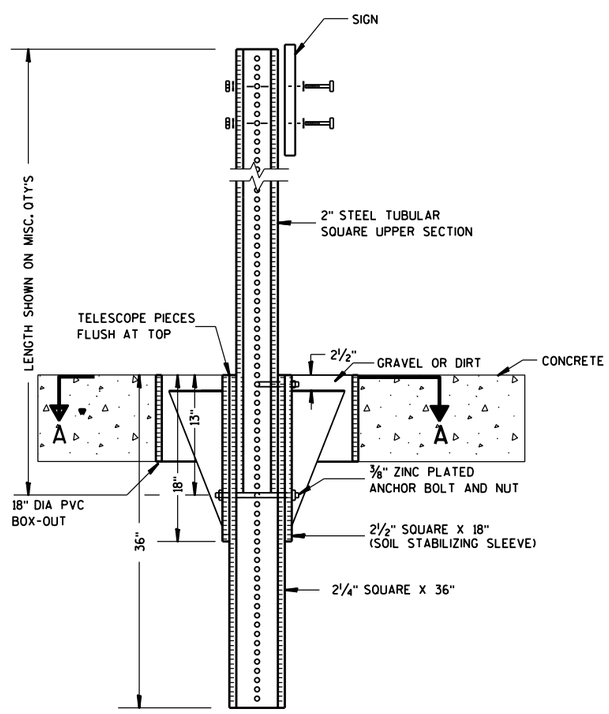
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 156	E



ELEVATION VIEW

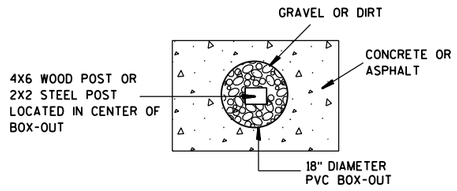
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

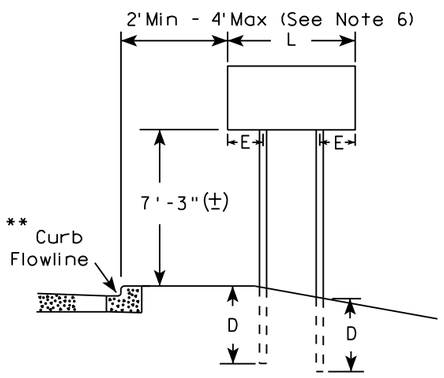
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

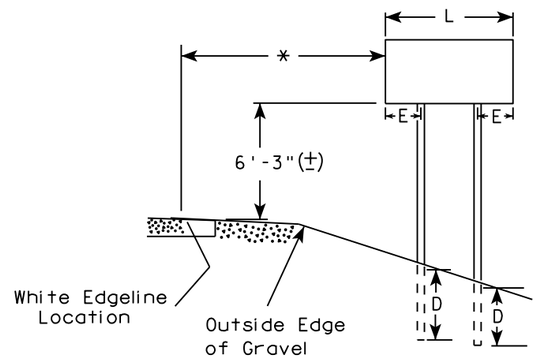
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

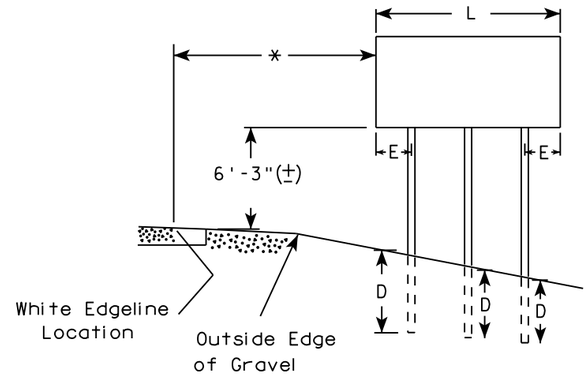
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

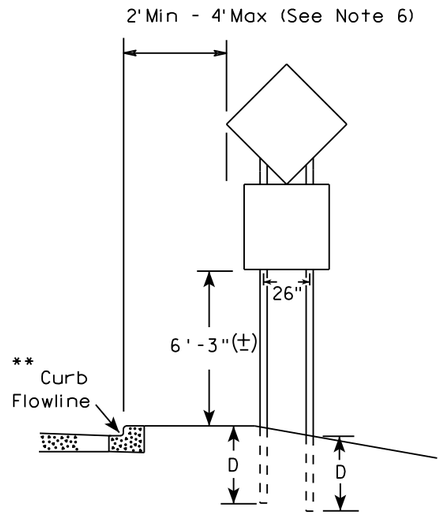
URBAN AREA



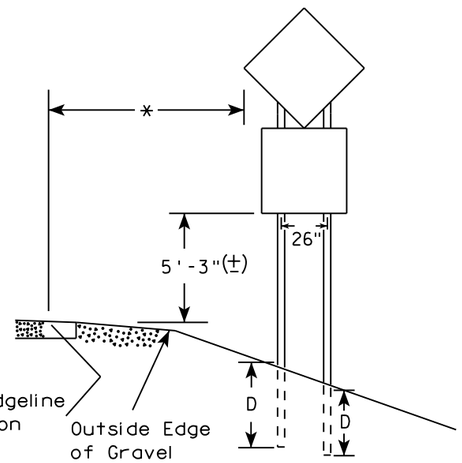
RURAL AREA (See Note 3)







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

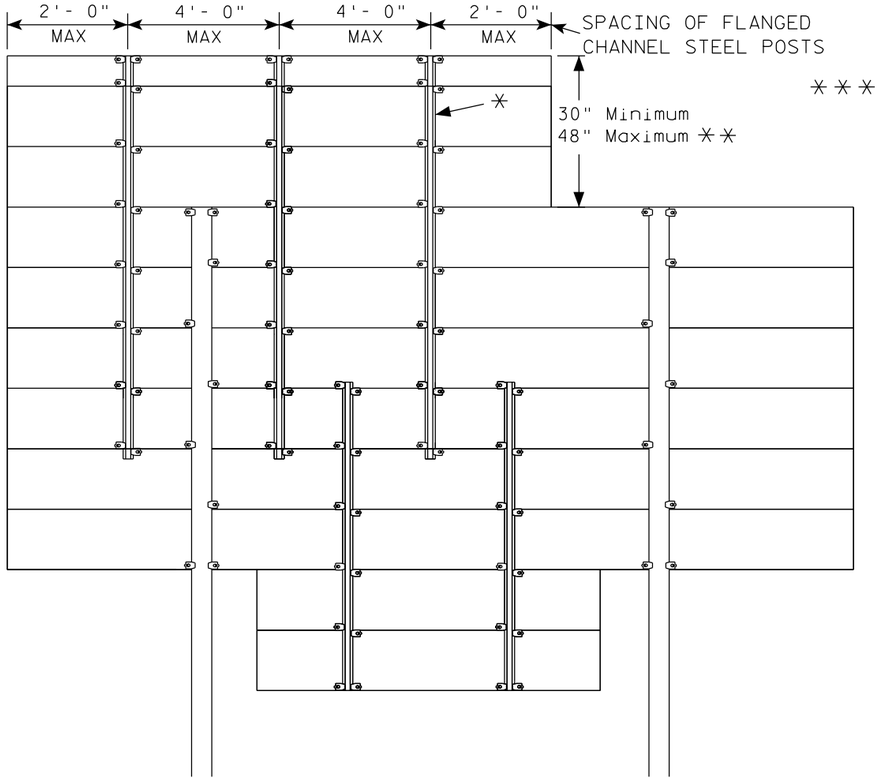
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 158	E

GROUND MOUNTED SIGN



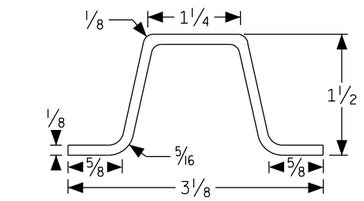
✳=2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

✳✳=FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

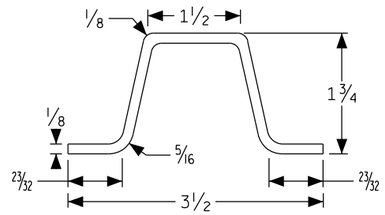
✳✳✳ THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAILS

NOT TO SCALE

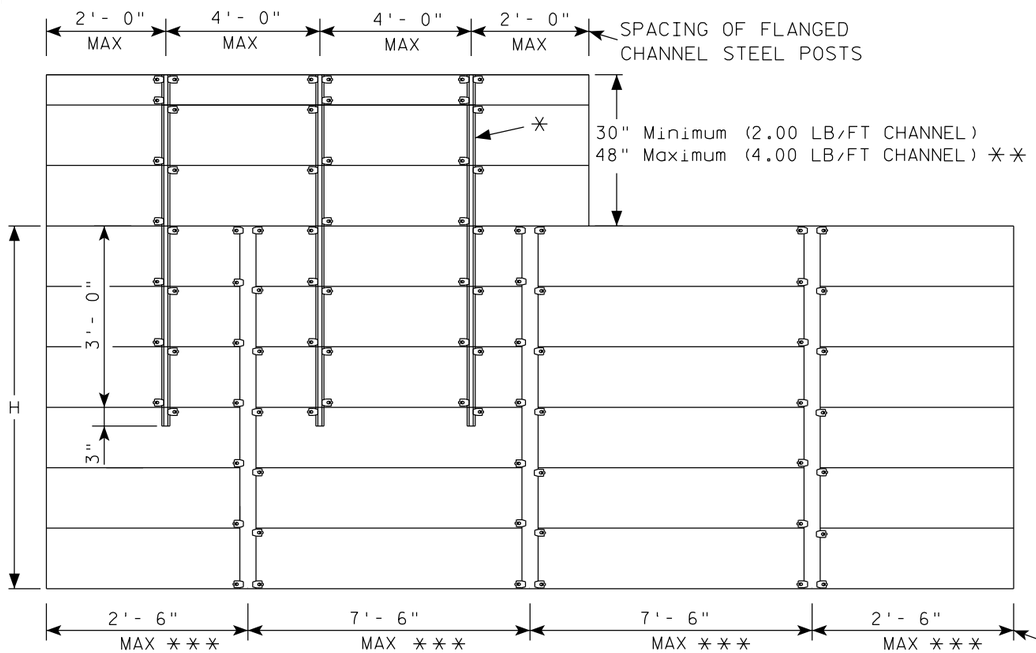


2.00 LB/FT CHANNEL



4.00 LB/FT CHANNEL

SIGN BRIDGE MOUNTED SIGN



SPACING OF ALUMINUM SIGN SUPPORTS
5" X 3.5" X 3.7 LBS./ft.

GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

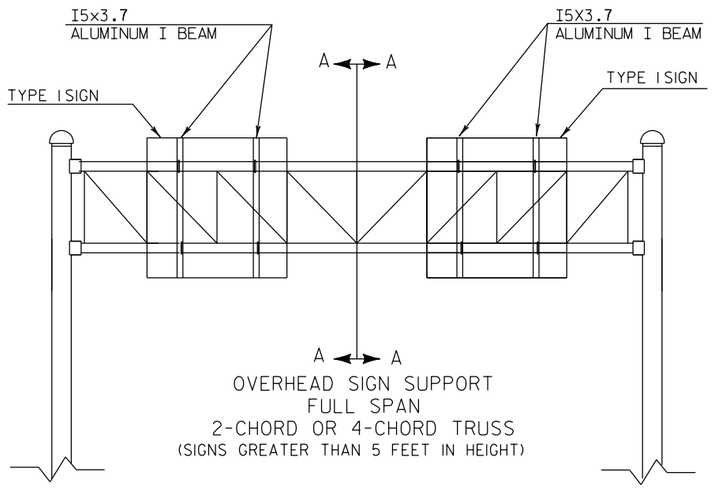
   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

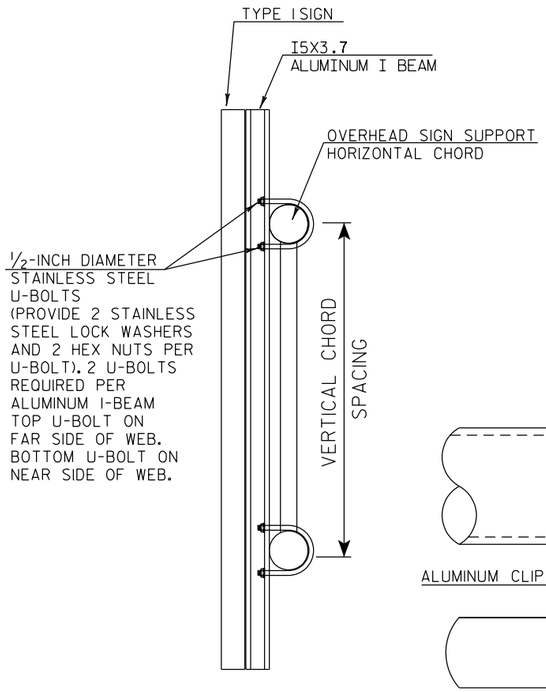
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

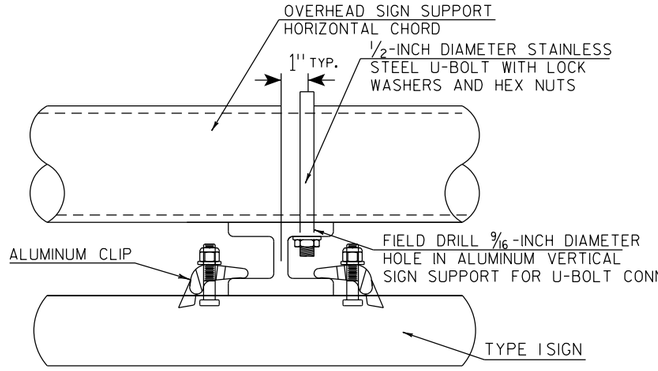
DATE 1/07/20 PLATE NO. A4-6.12



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



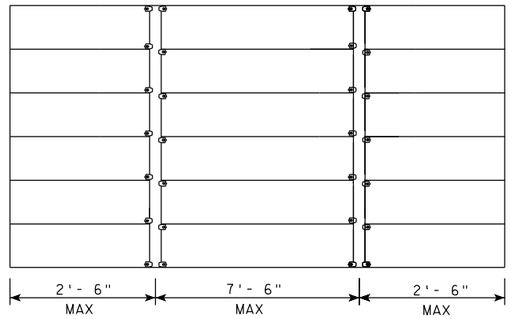
CUT SECTION A-A



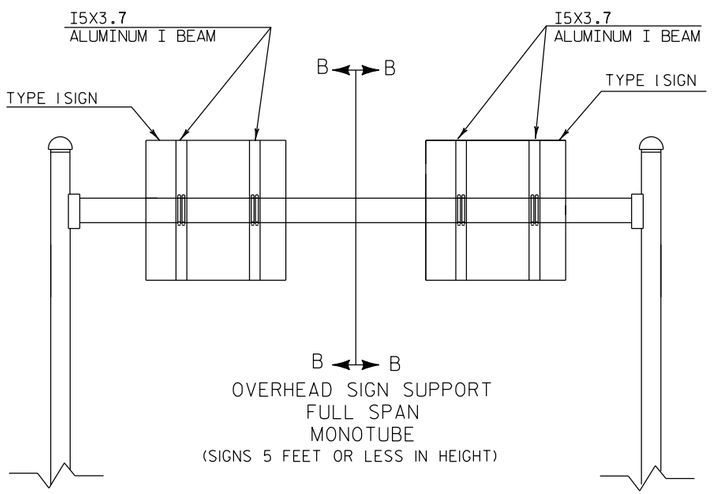
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

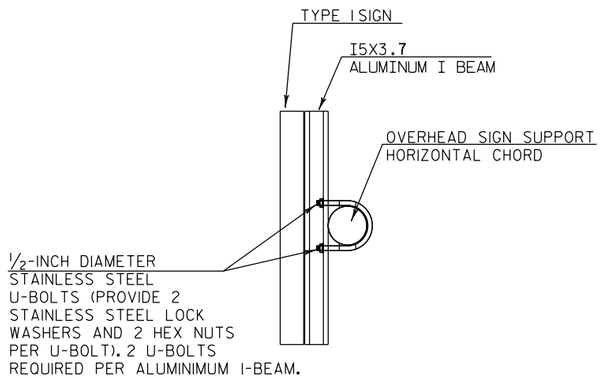
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



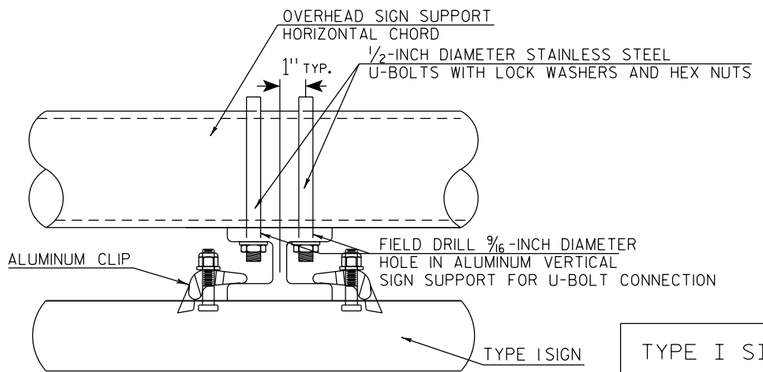
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW

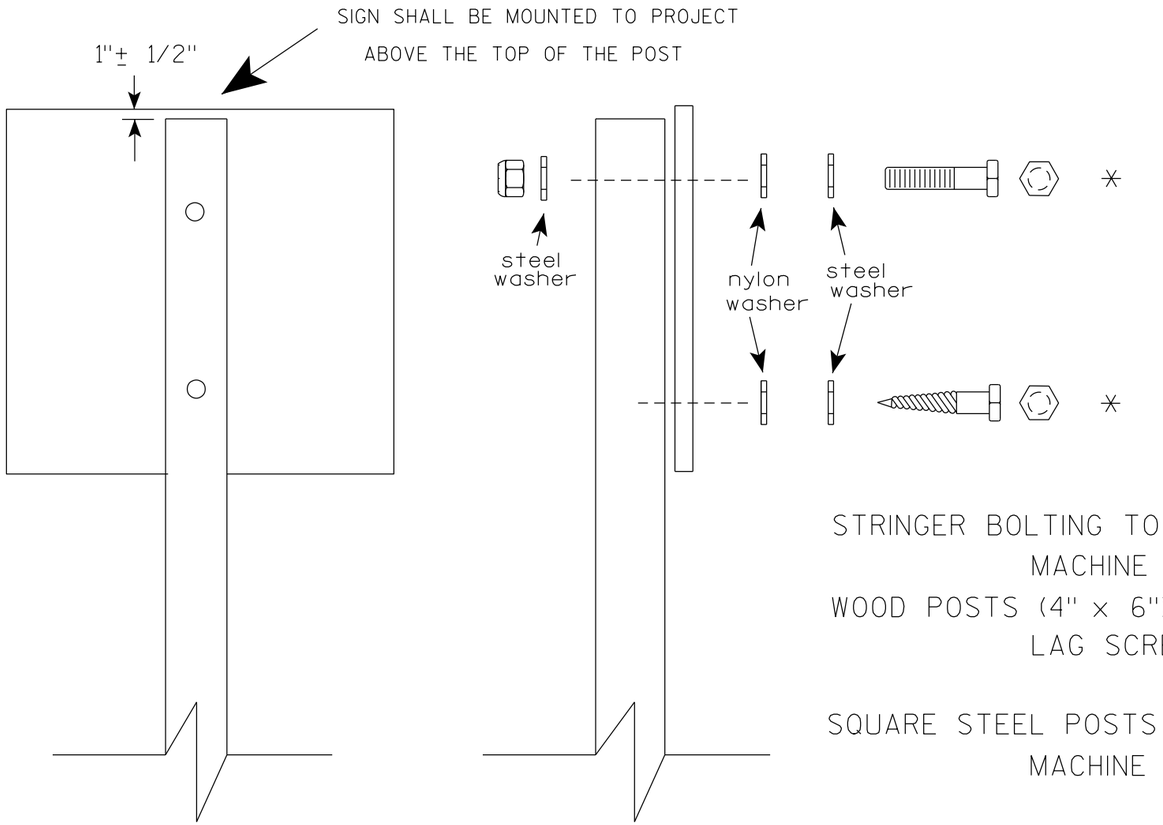
TYPE I SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7A.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 160	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

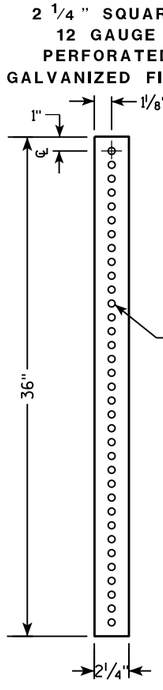
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

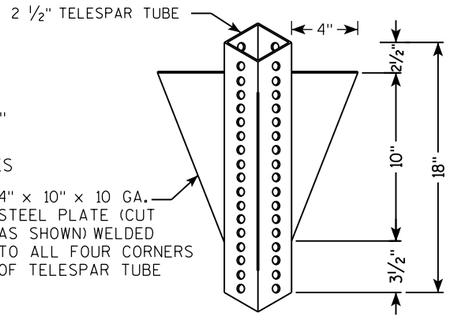
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

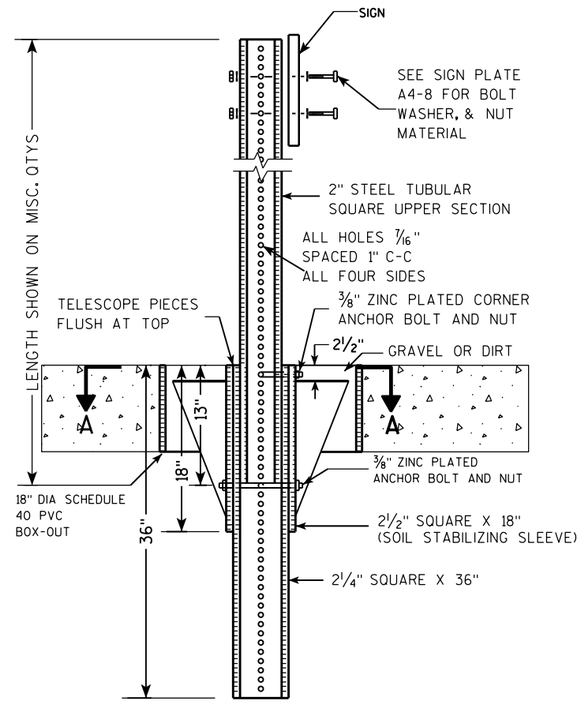
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



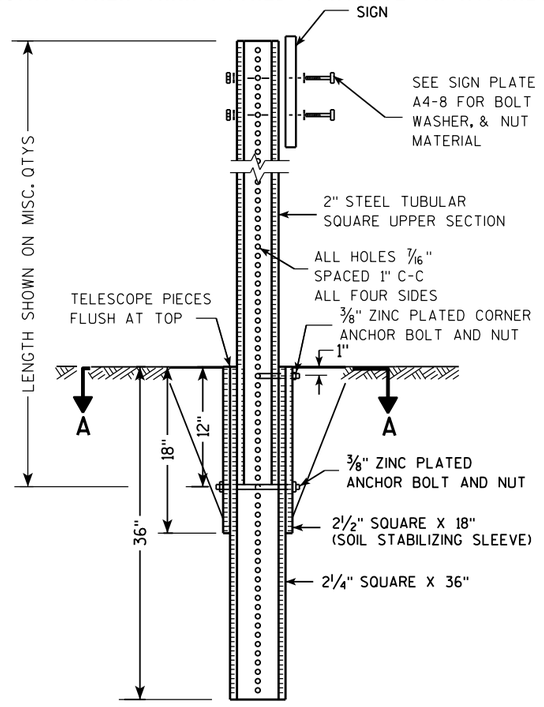
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

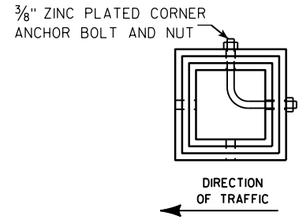


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

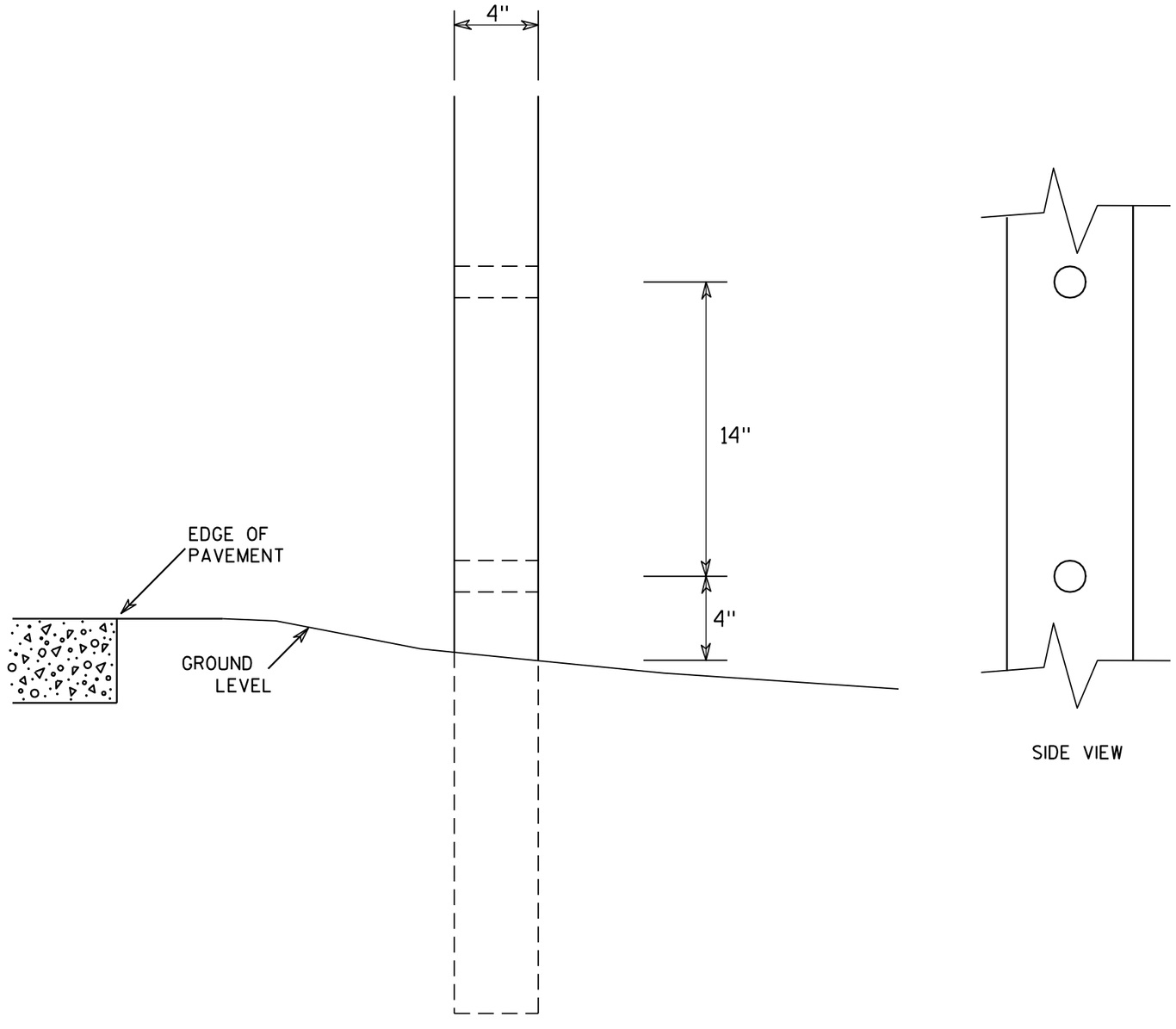
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

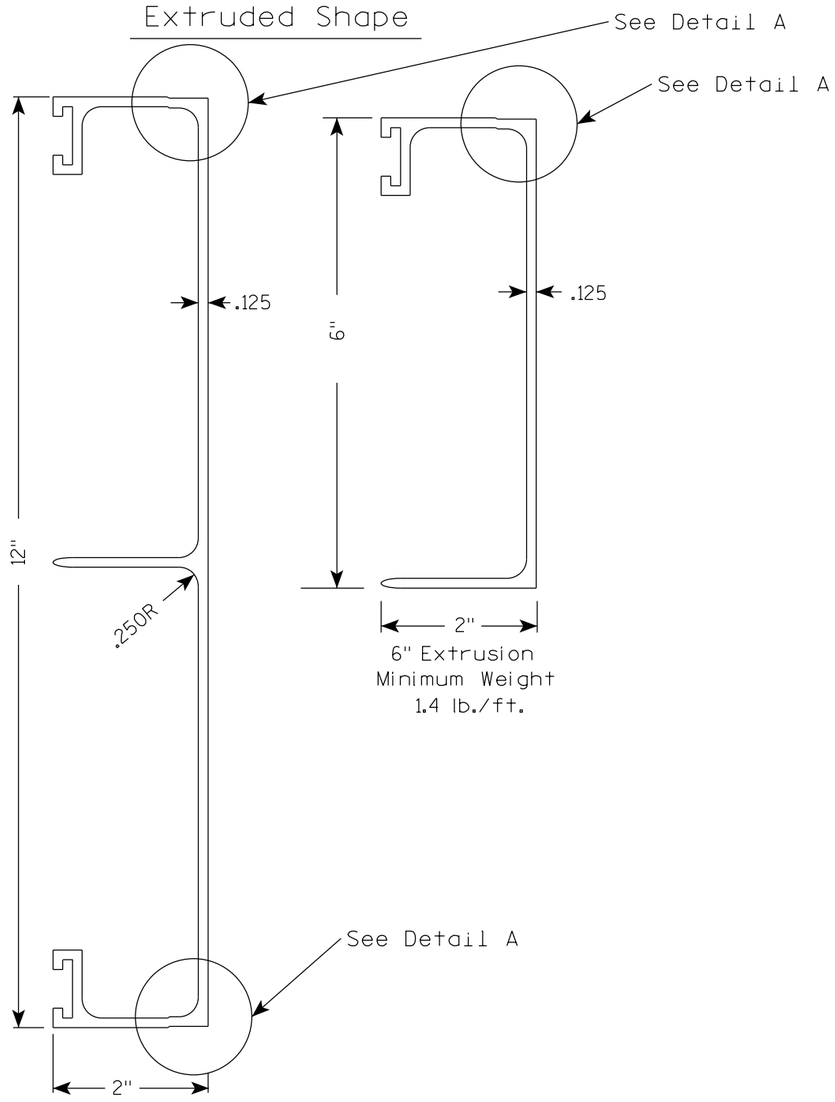
WISCONSIN DEPT OF TRANSPORTATION

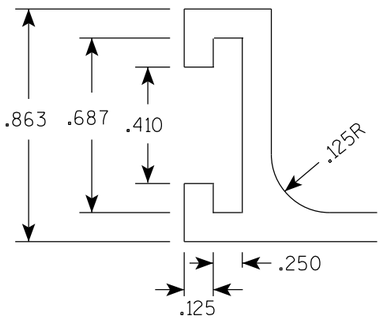
APPROVED Chester J Spang for State Traffic Engineer

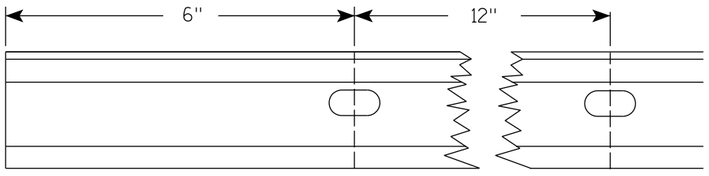
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 163	E

Extruded Shape







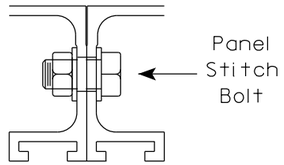
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

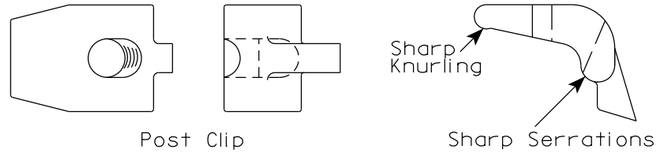
The hardware includes:

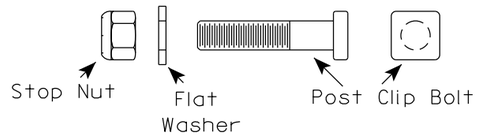
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

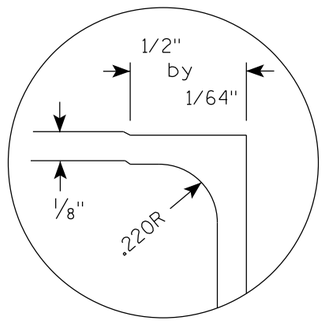
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.



DETAIL A (EDGE WRAP JOINT)

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

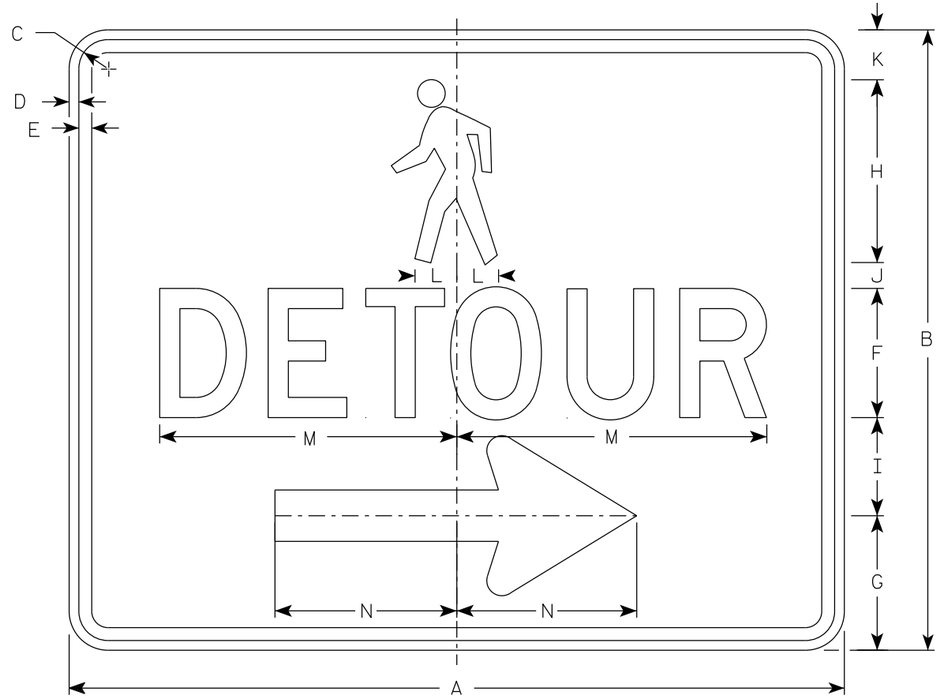
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/07/20 PLATE NO. A5-2.10

PROJECT NO:

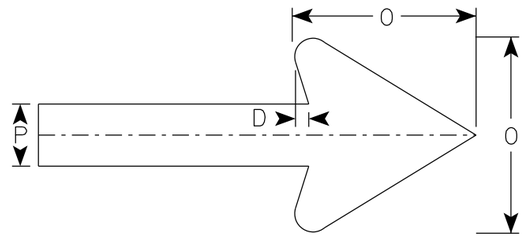
SHEET NO: 164 E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
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. M4-9BL is the same as M4-9BR 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	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

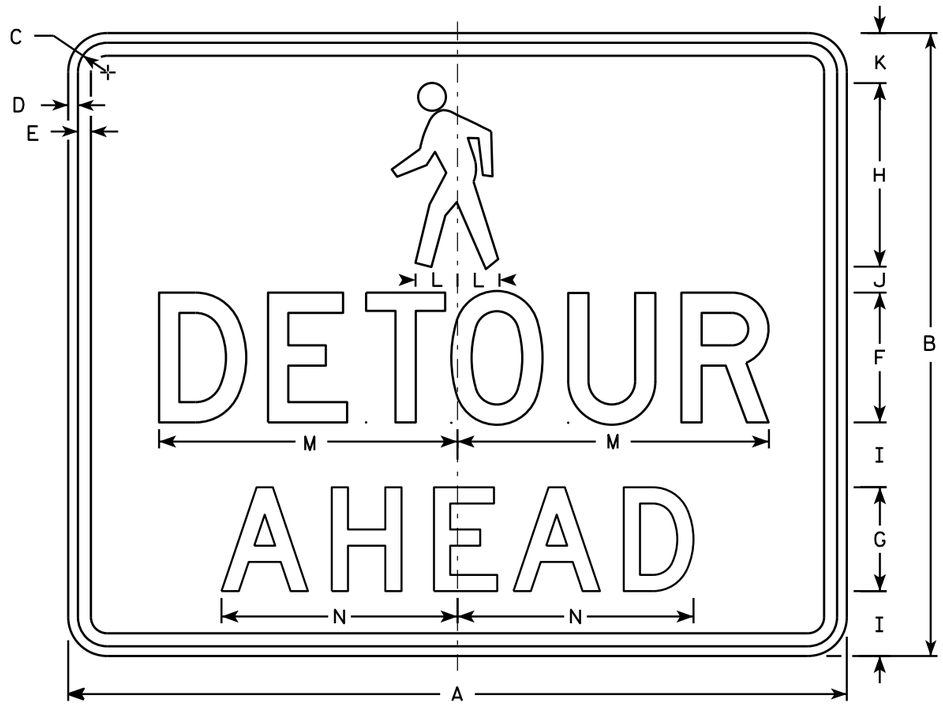
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/1/19 PLATE NO. M4-9B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 165 | E



M4-9BA

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7 1/8	2 1/2	1	1 7/8	1 5/8	11 3/4	9 1/8													5.0
3																											
4																											
5																											

STANDARD SIGN
M4-9BA

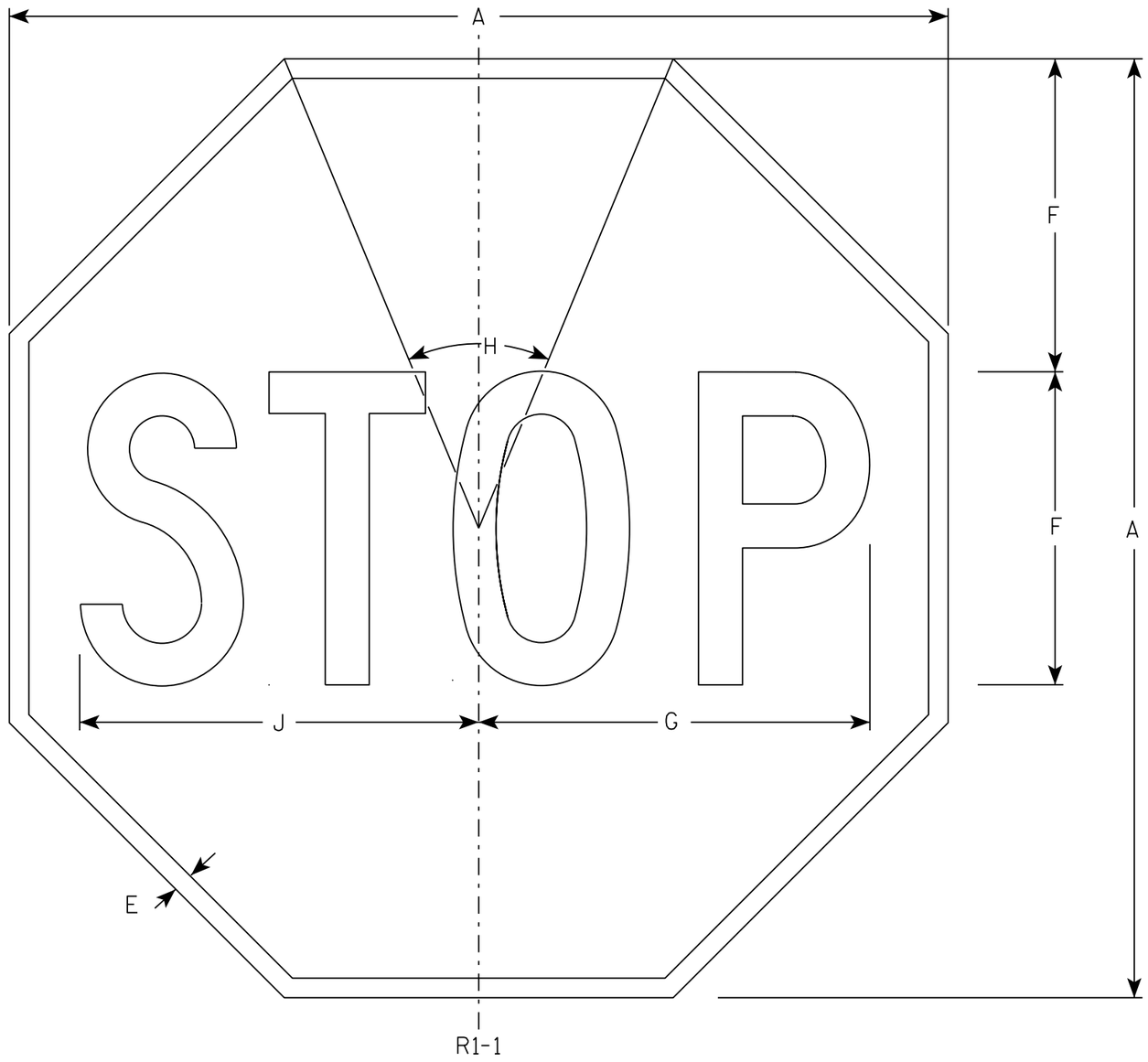
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/16 PLATE NO. M4-9BA.1

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M49BA.dgn PLOT DATE : 24-MAR-2016 14:57 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



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

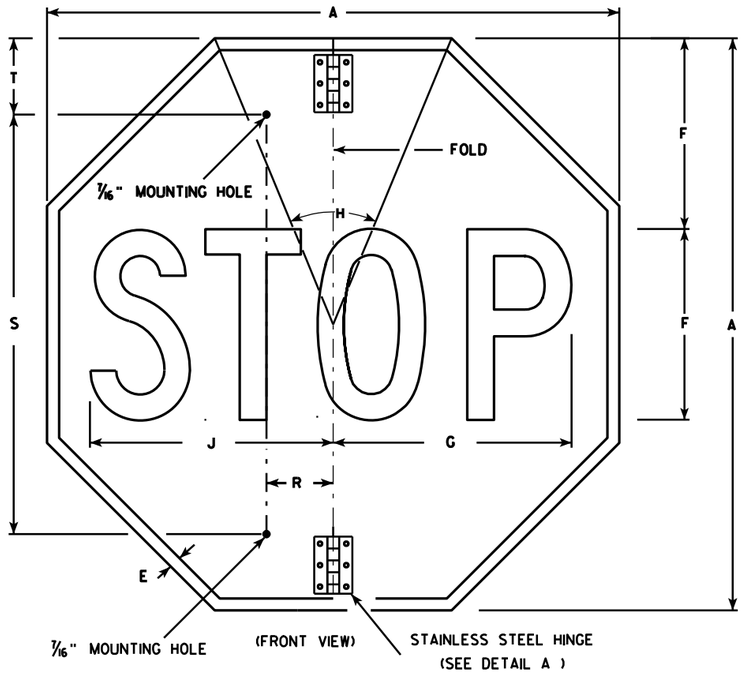
WISCONSIN DEPT OF TRANSPORTATION

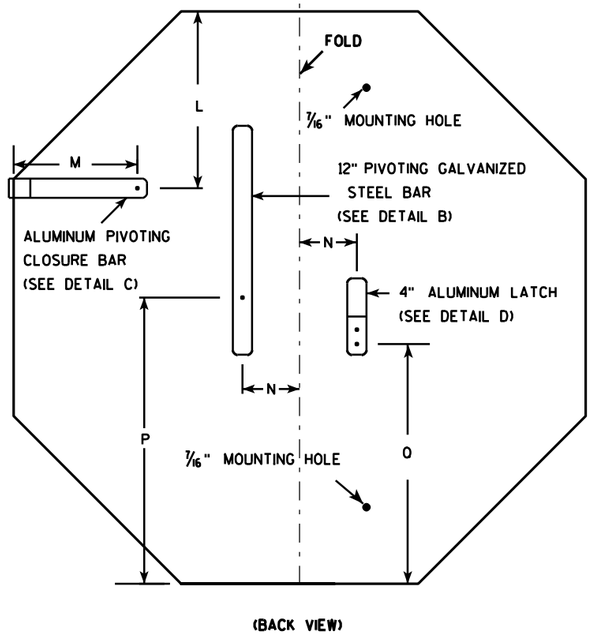
APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

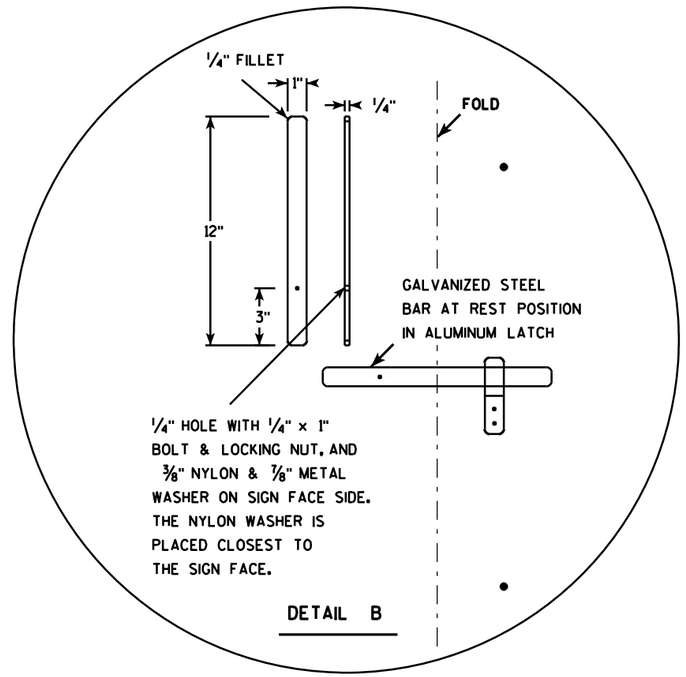
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 167	E

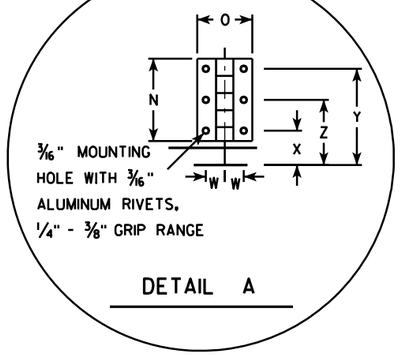


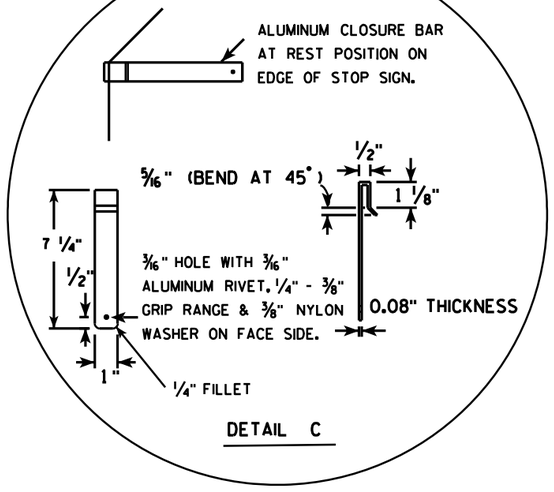


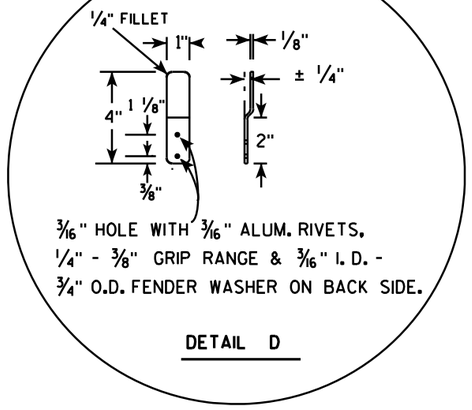
NOTES

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

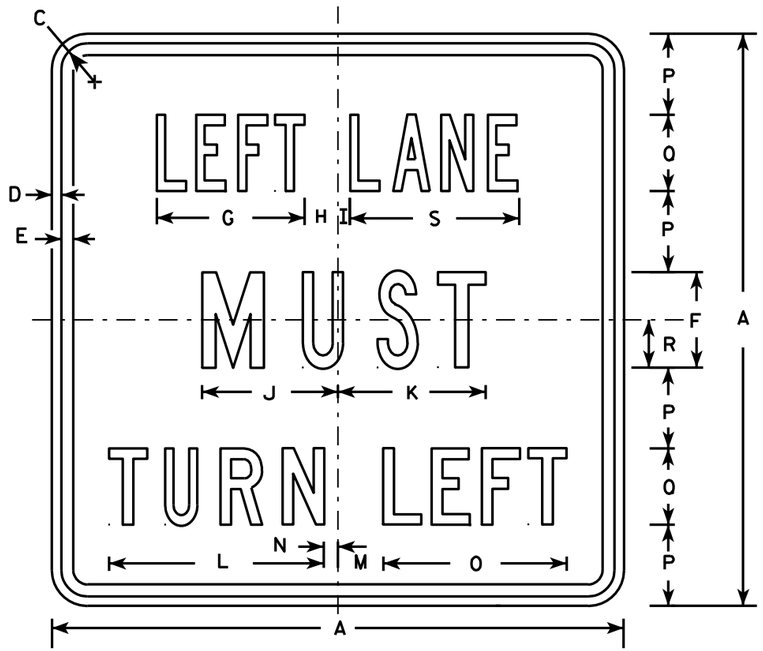
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 168 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R11F.DGN PLOT DATE : 02-DEC-2010 15:26 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

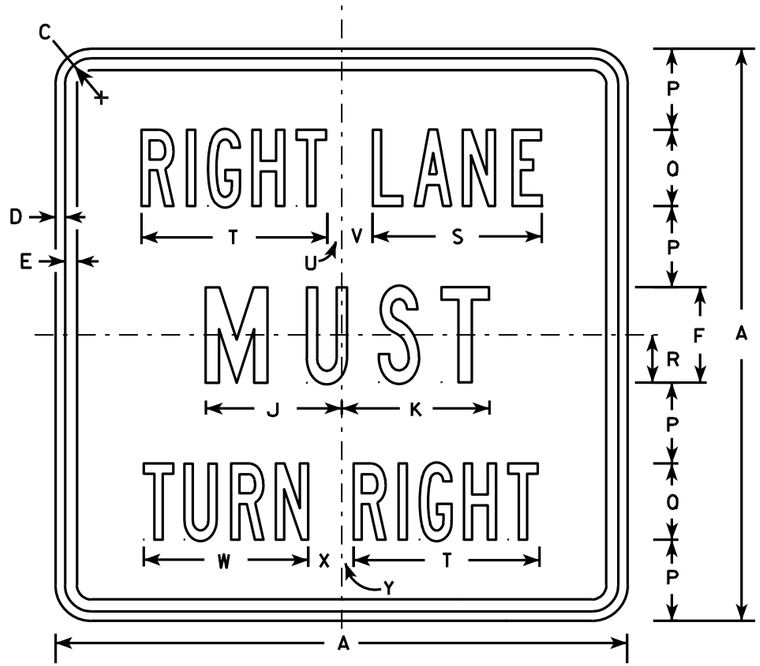
WISDOT/CADDS SHEET 42

7

7



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

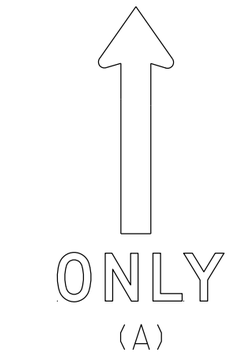
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 169	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R37.DGN PLOT DATE : 18-MAR-2011 09:43 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

WISDOT/CADDS SHEET 42

7

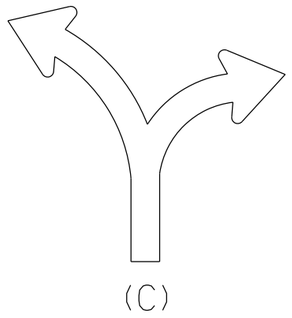
7

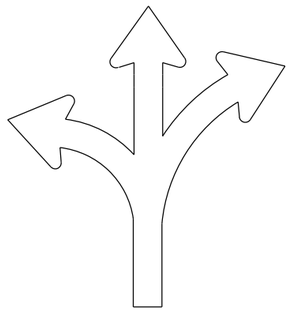


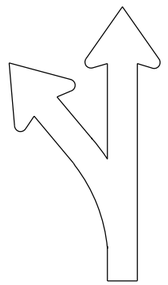
(A)

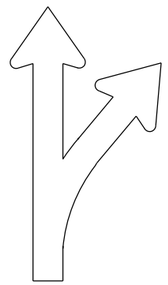


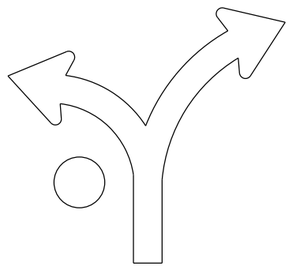
(B)

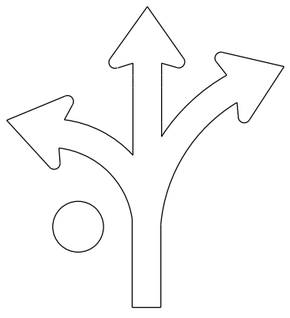

(C)

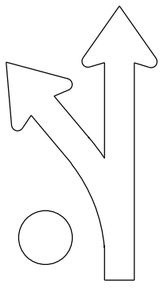

(D)


(E)


(F)

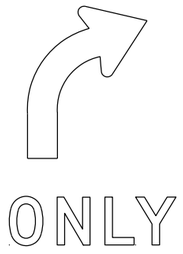

(G)


(H)

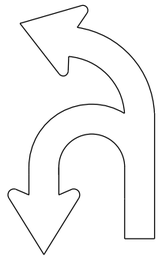

(I)



(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

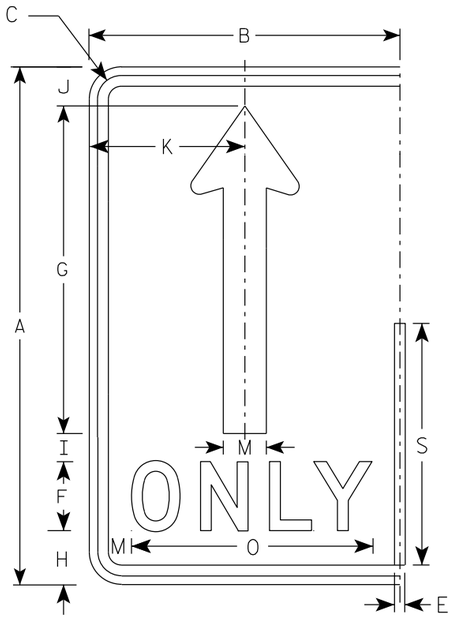
PROJECT NO:

SHEET NO: 170 E

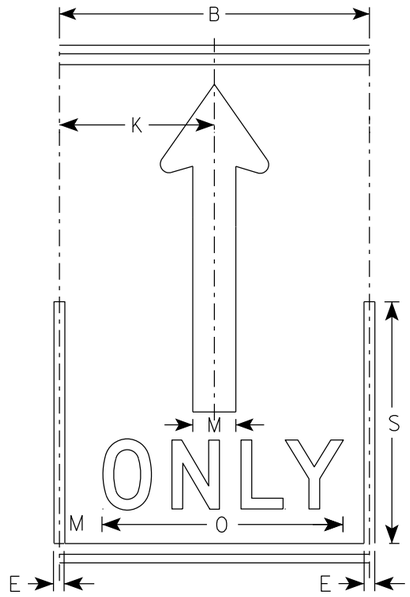
7

NOTES

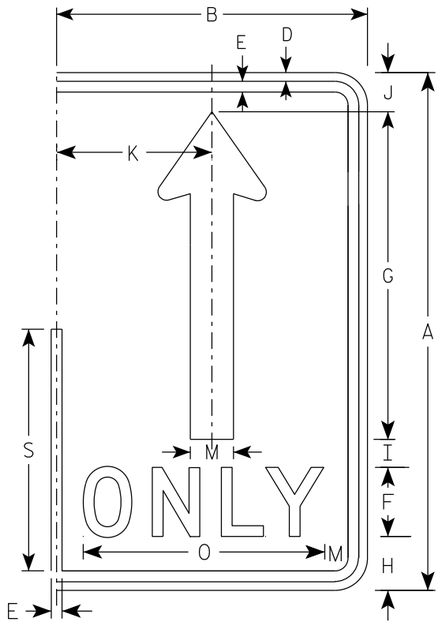
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



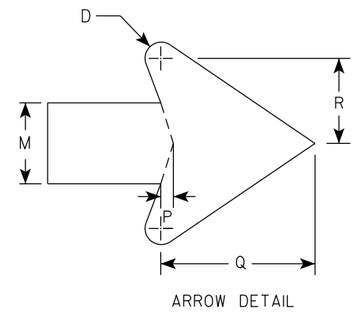
(A)



(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

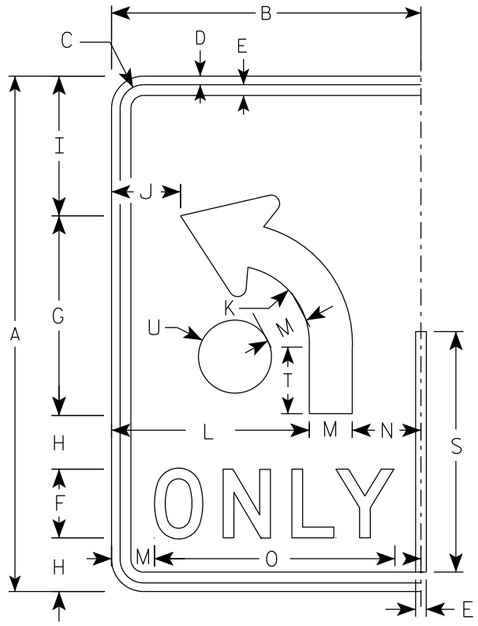
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

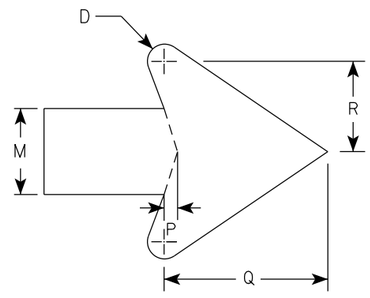
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 171 | E

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

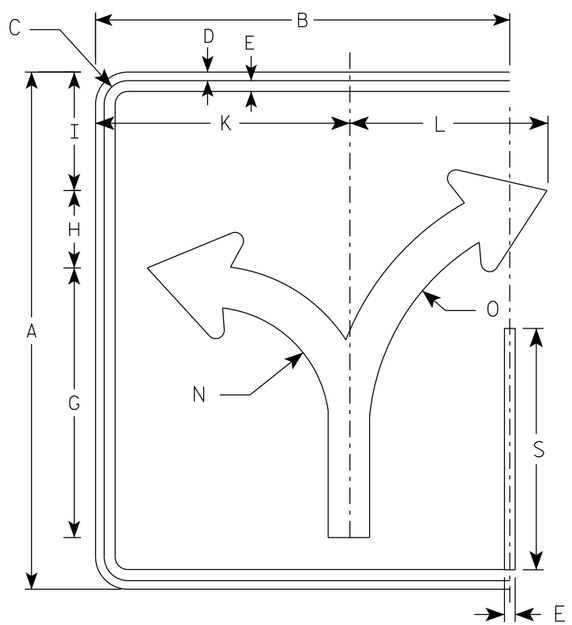
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

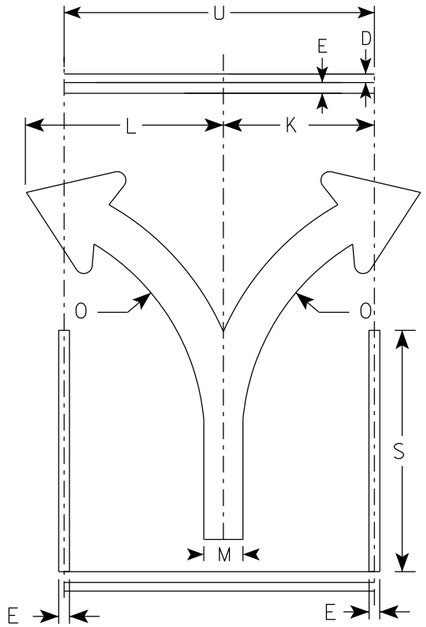
SHEET NO: 172 E

NOTES

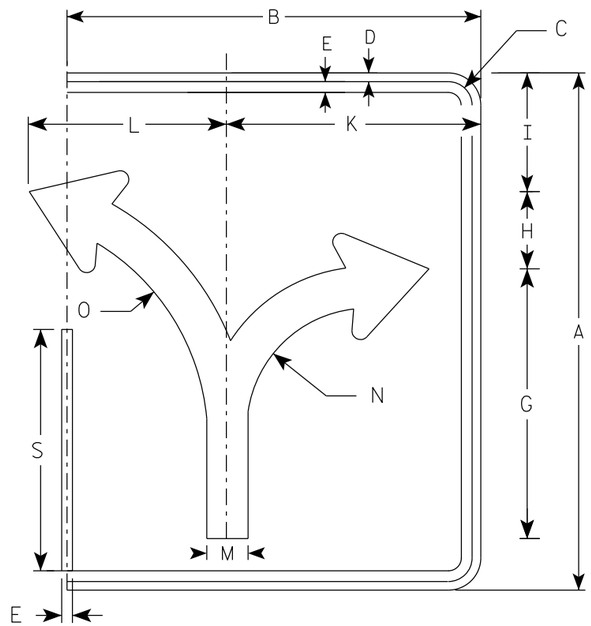
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



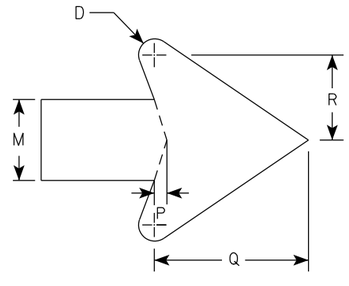
(C)



(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

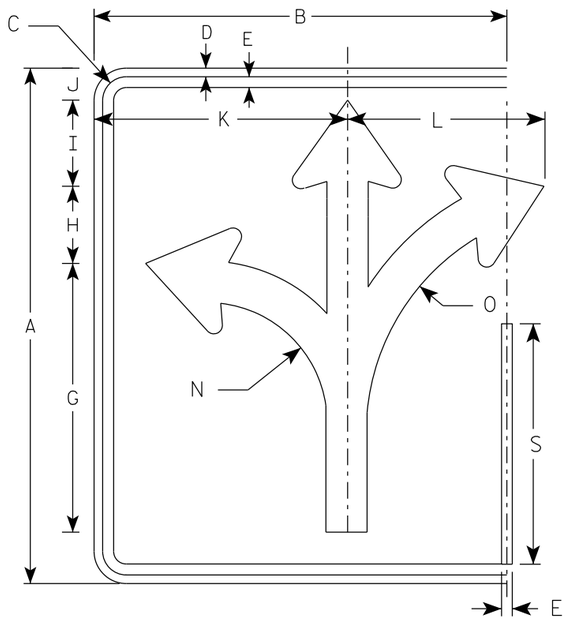
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

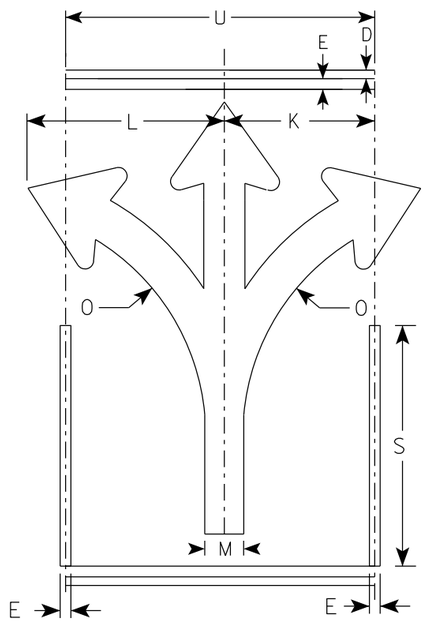
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 173 | E

NOTES

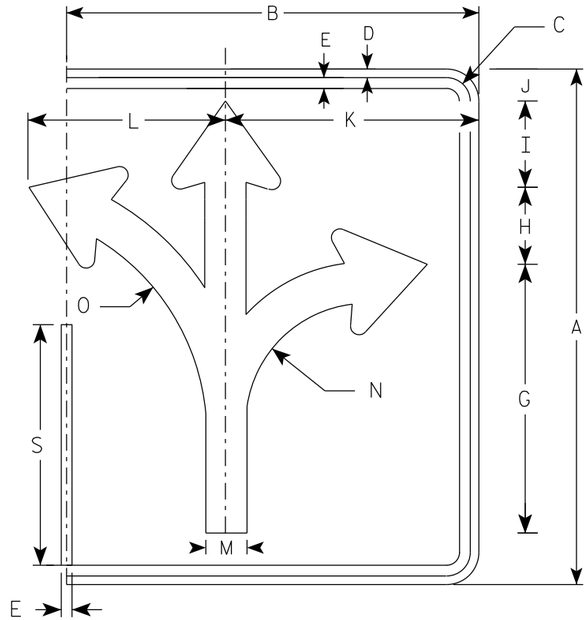
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



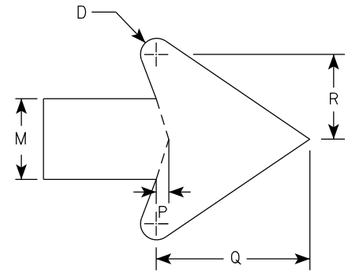
(D)



(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

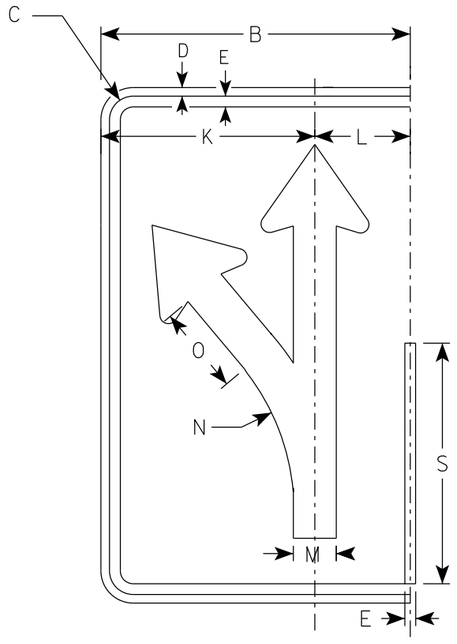
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

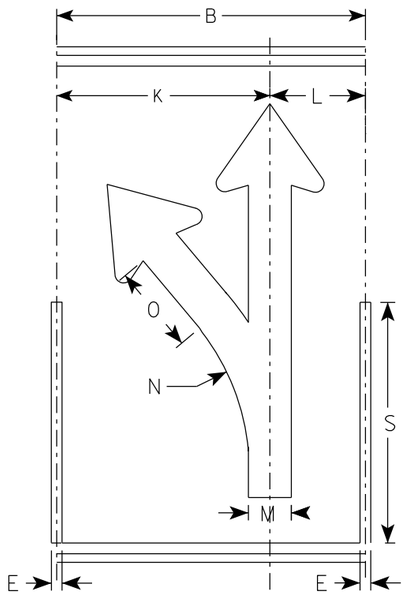
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 174 | E

NOTES

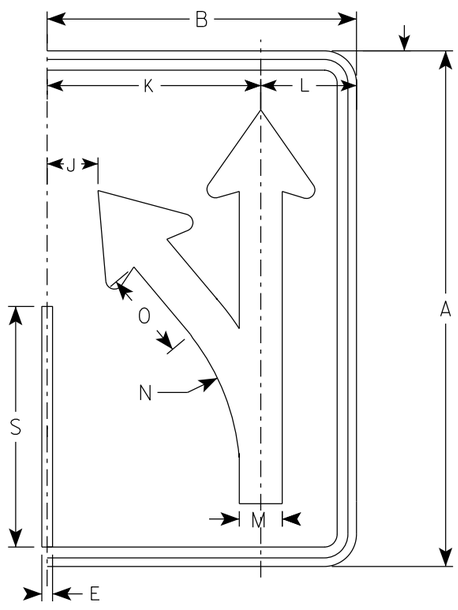
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



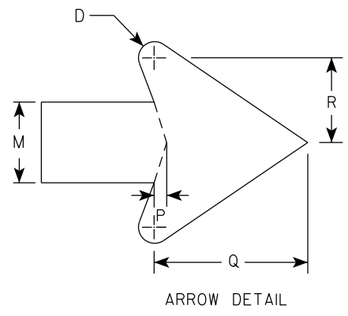
(E)



(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

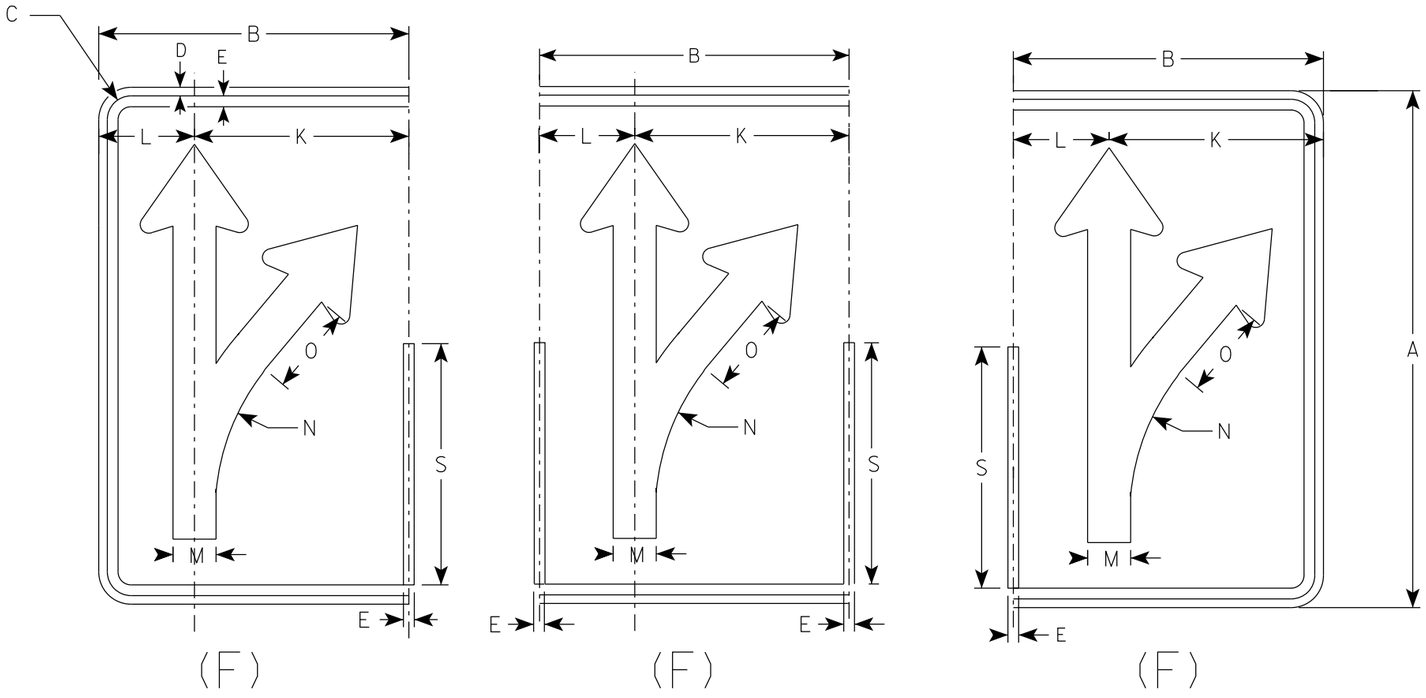
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

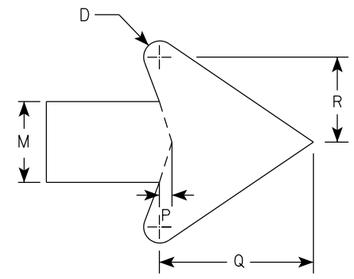
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 175 | E

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

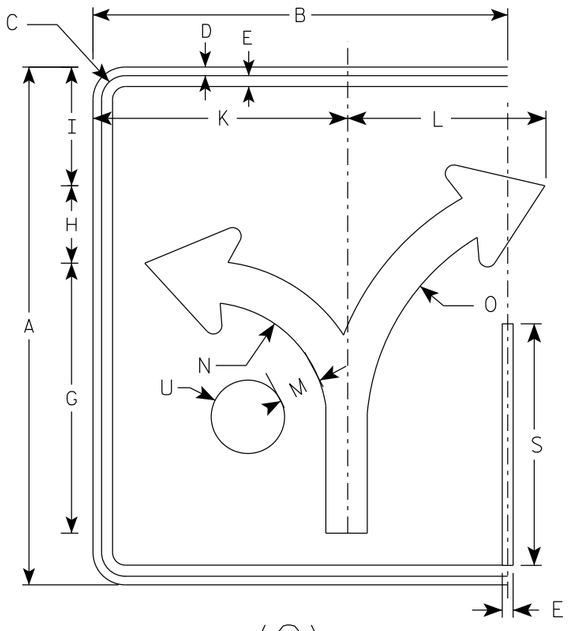
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

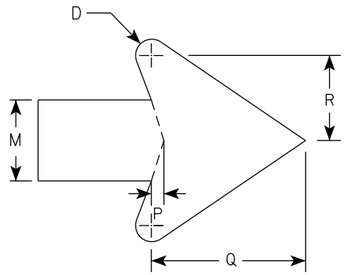
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 176 | E

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

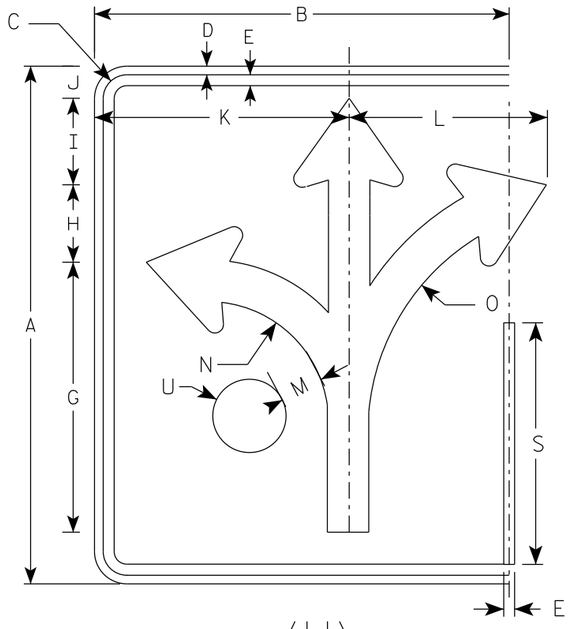
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

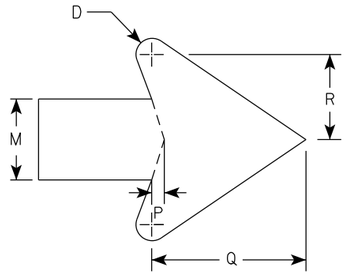
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 177 | E

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

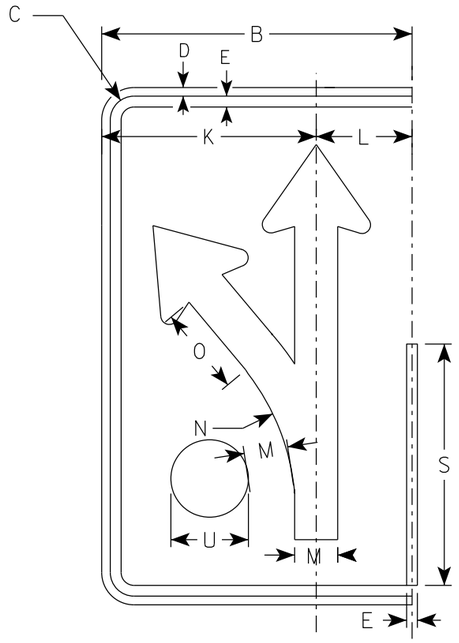
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

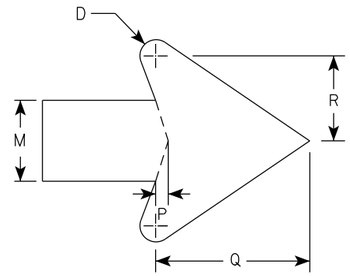
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 178	E

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

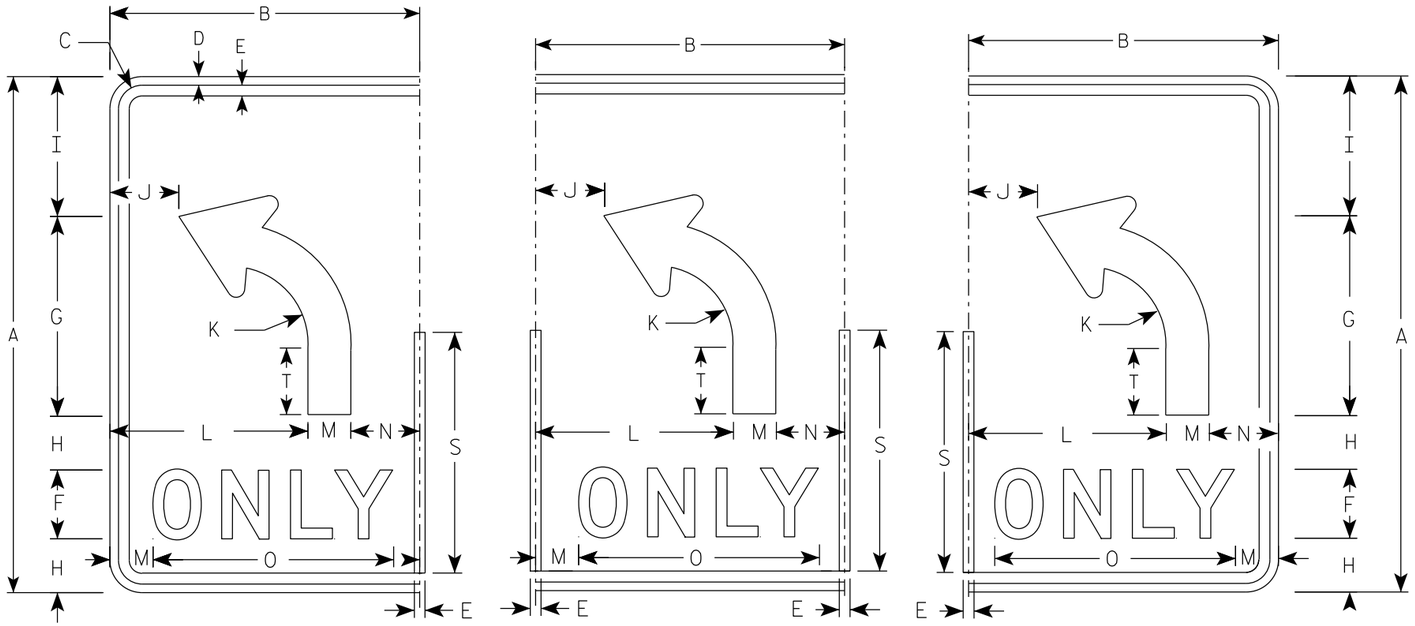
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

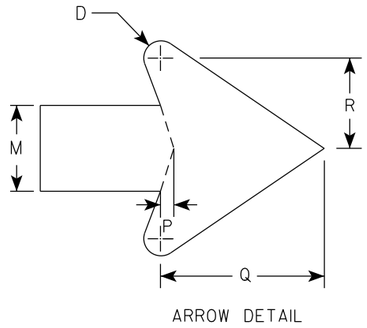
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 179 | E

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

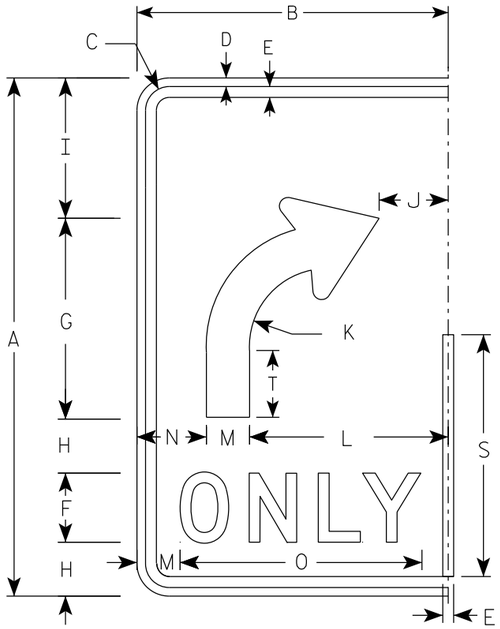
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

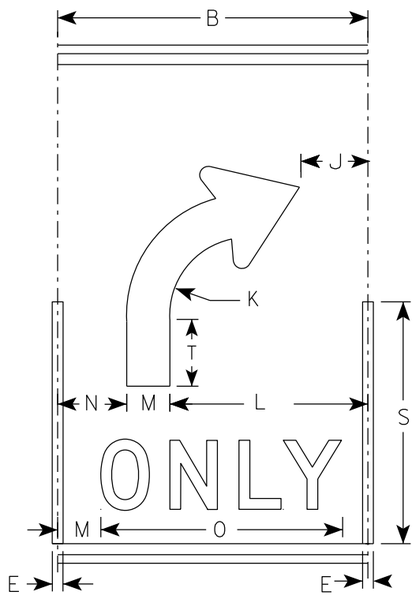
SHEET NO: 180 E

NOTES

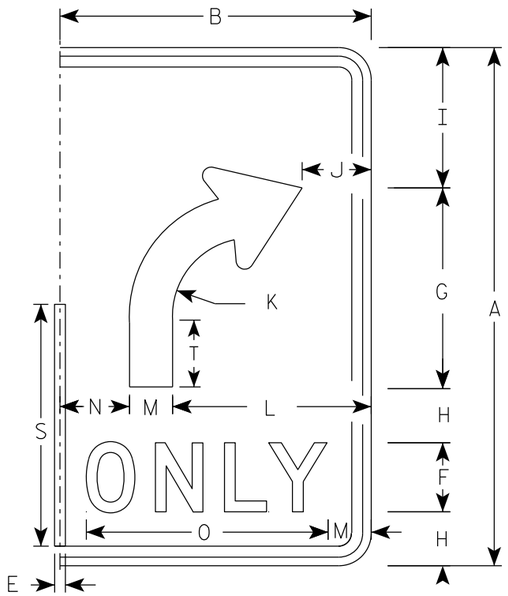
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



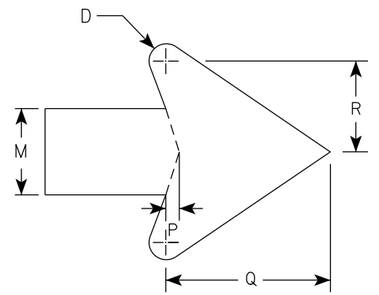
(R)



(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

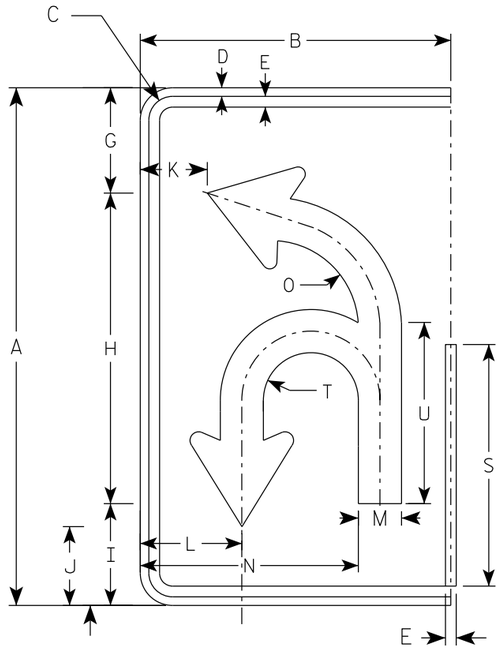
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

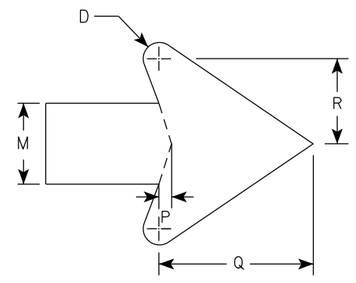
SHEET NO: 181 **E**

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

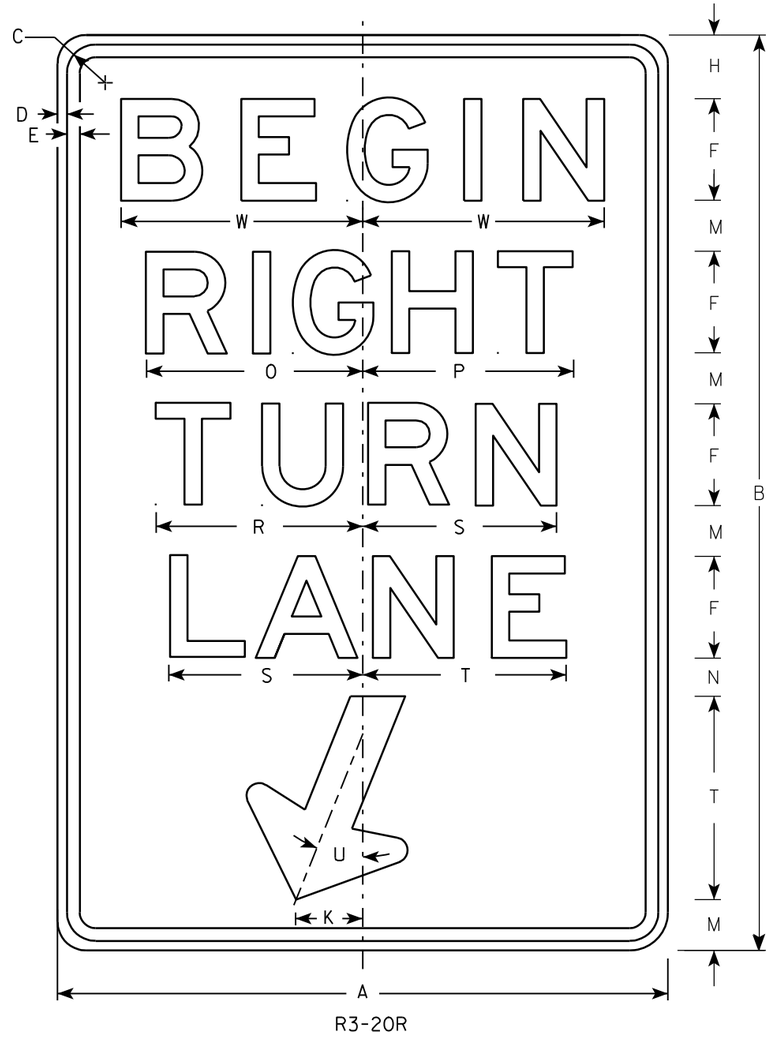
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

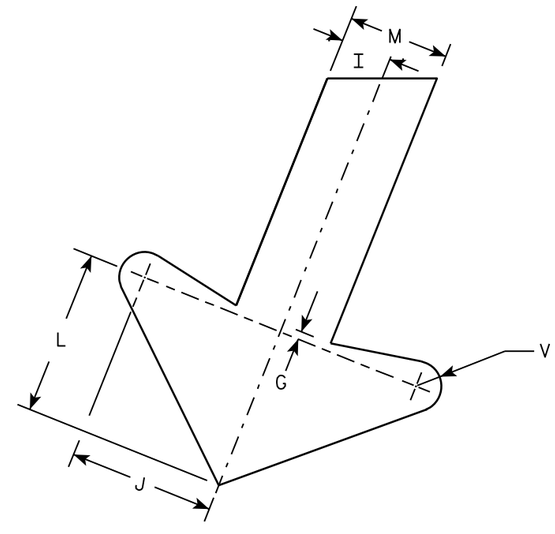
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 182 | E



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																											

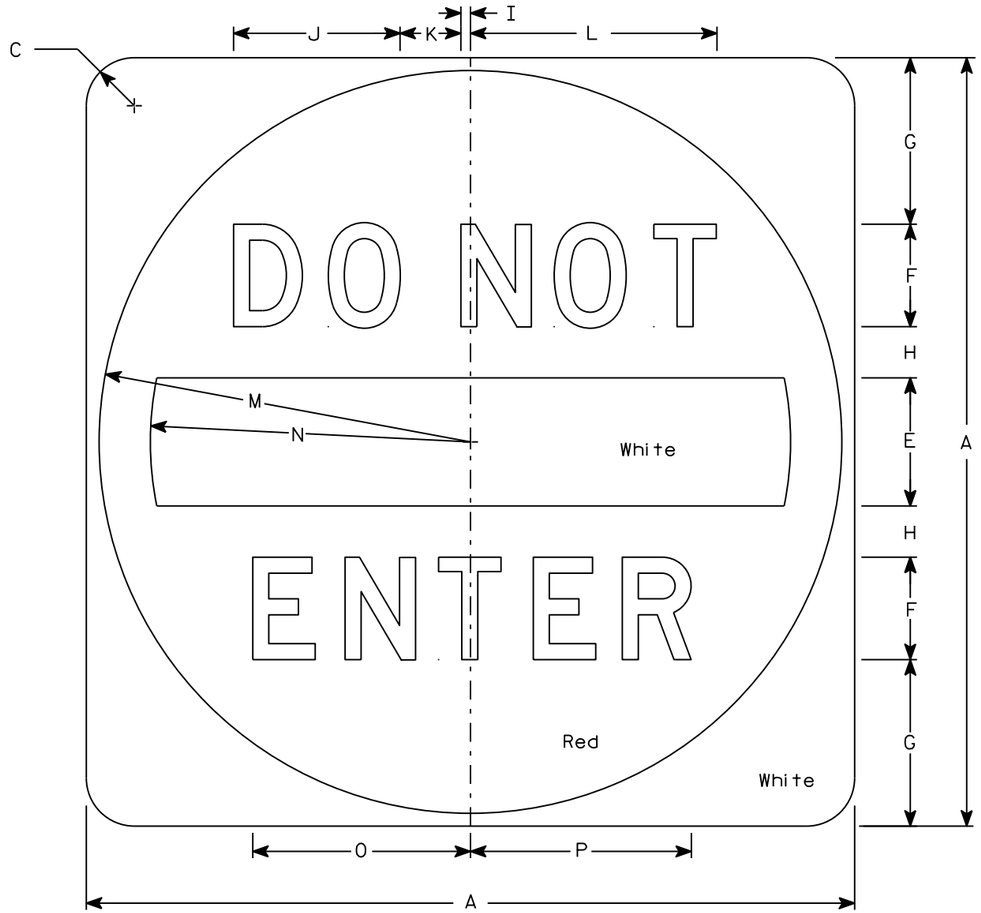
STANDARD SIGN
R3-20R

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: 183 | 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

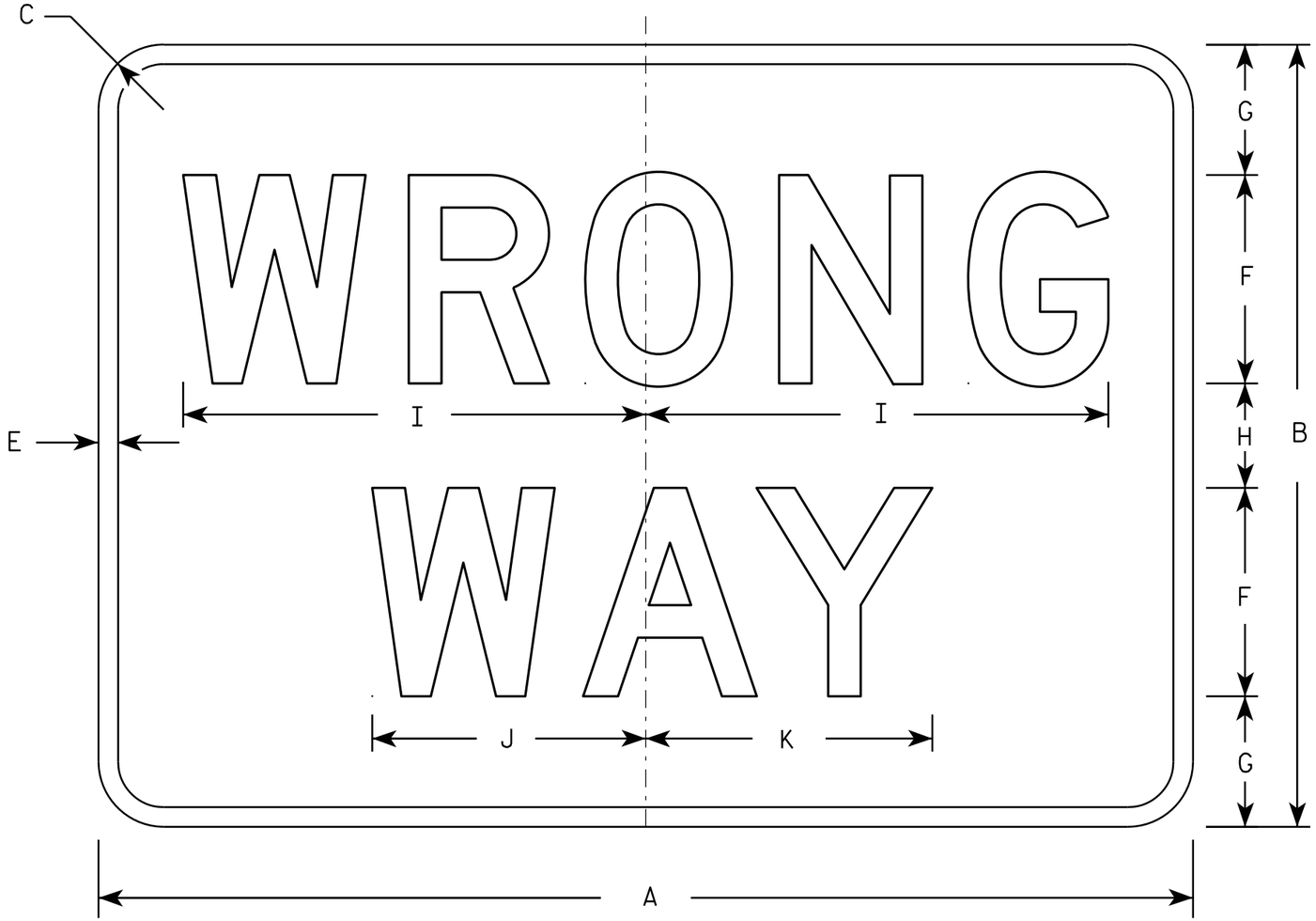
STANDARD SIGN
R5-1

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: 184 | 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

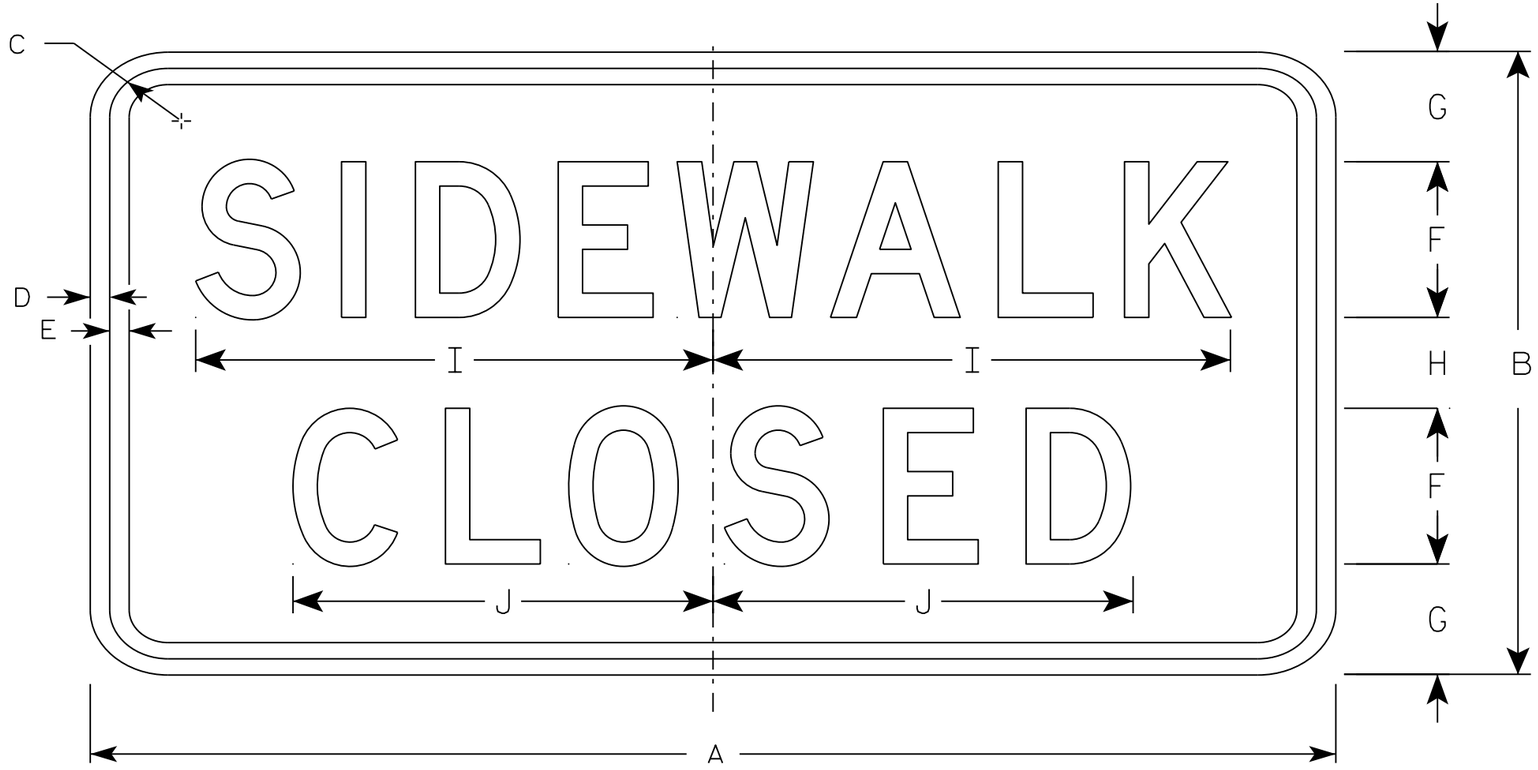
STANDARD SIGN
R5-1A

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: 185	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

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 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

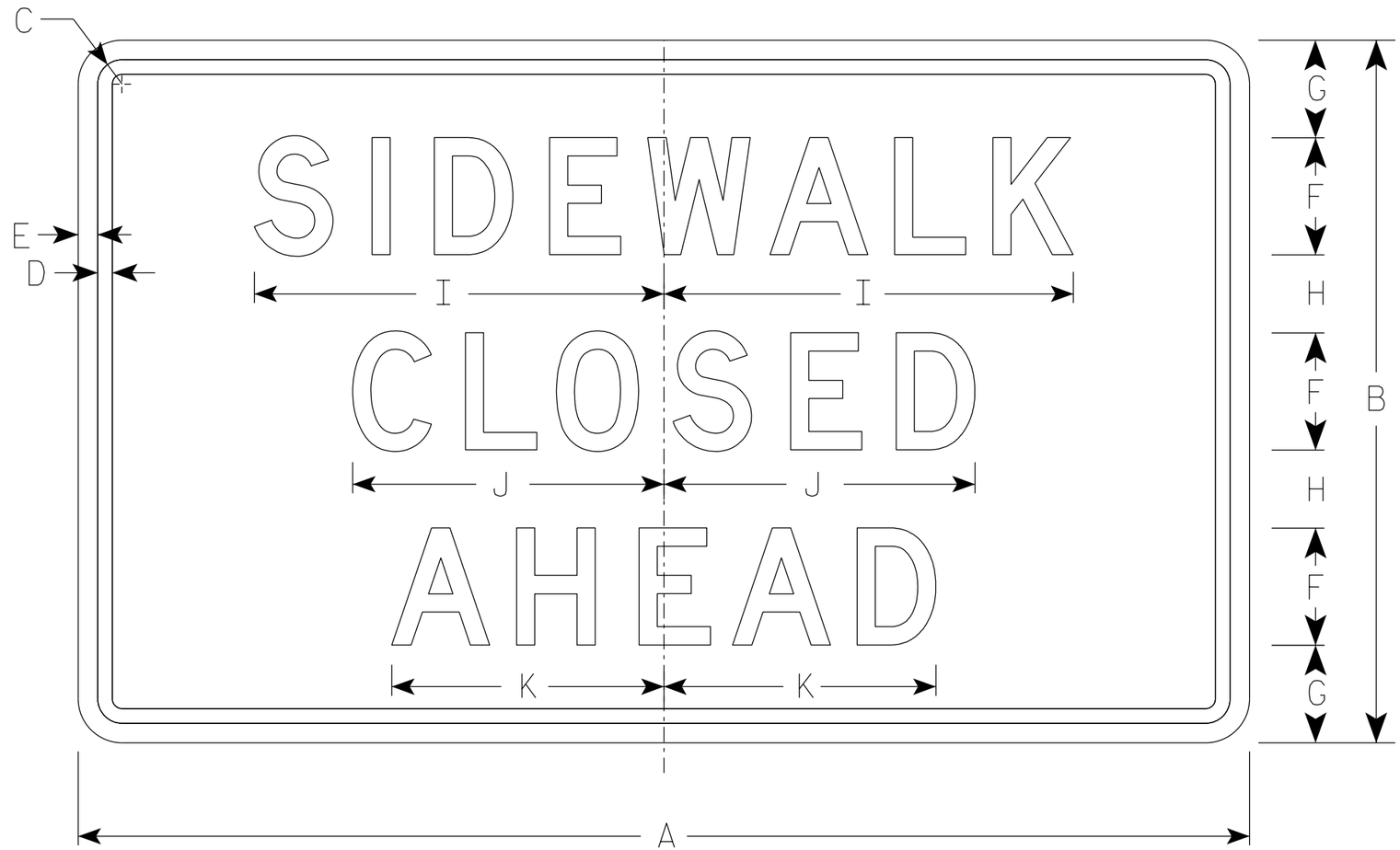
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 186 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-9A

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.

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 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
2M	30	18	1 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
3																											
4																											
5																											

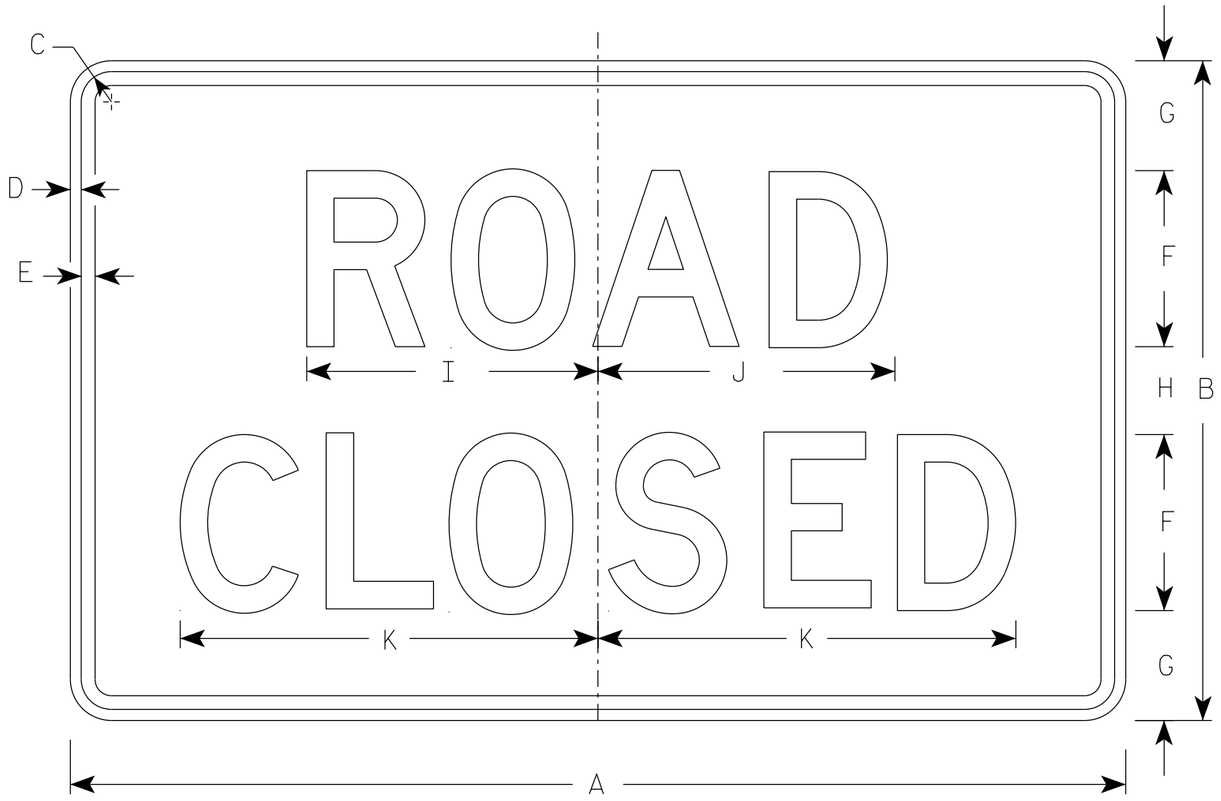
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/31/2020 PLATE NO. R9-9A.1

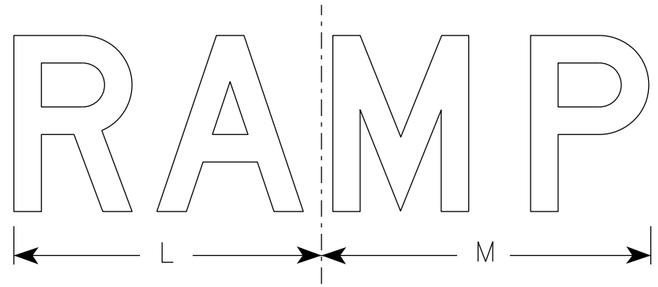
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 187 | E



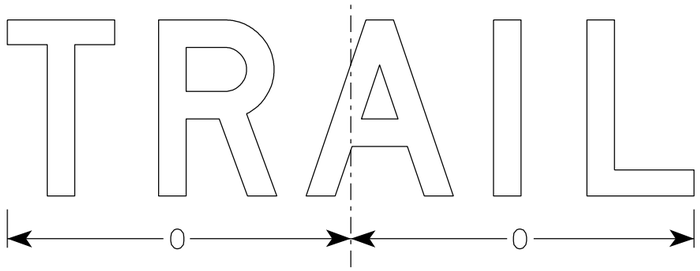
R11-2

NOTES

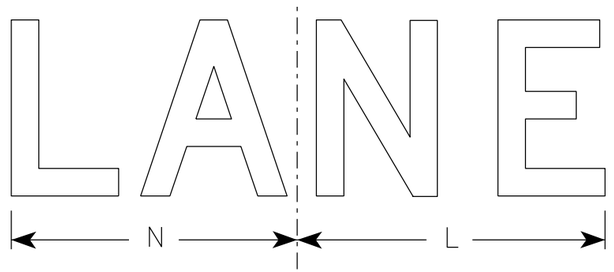
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

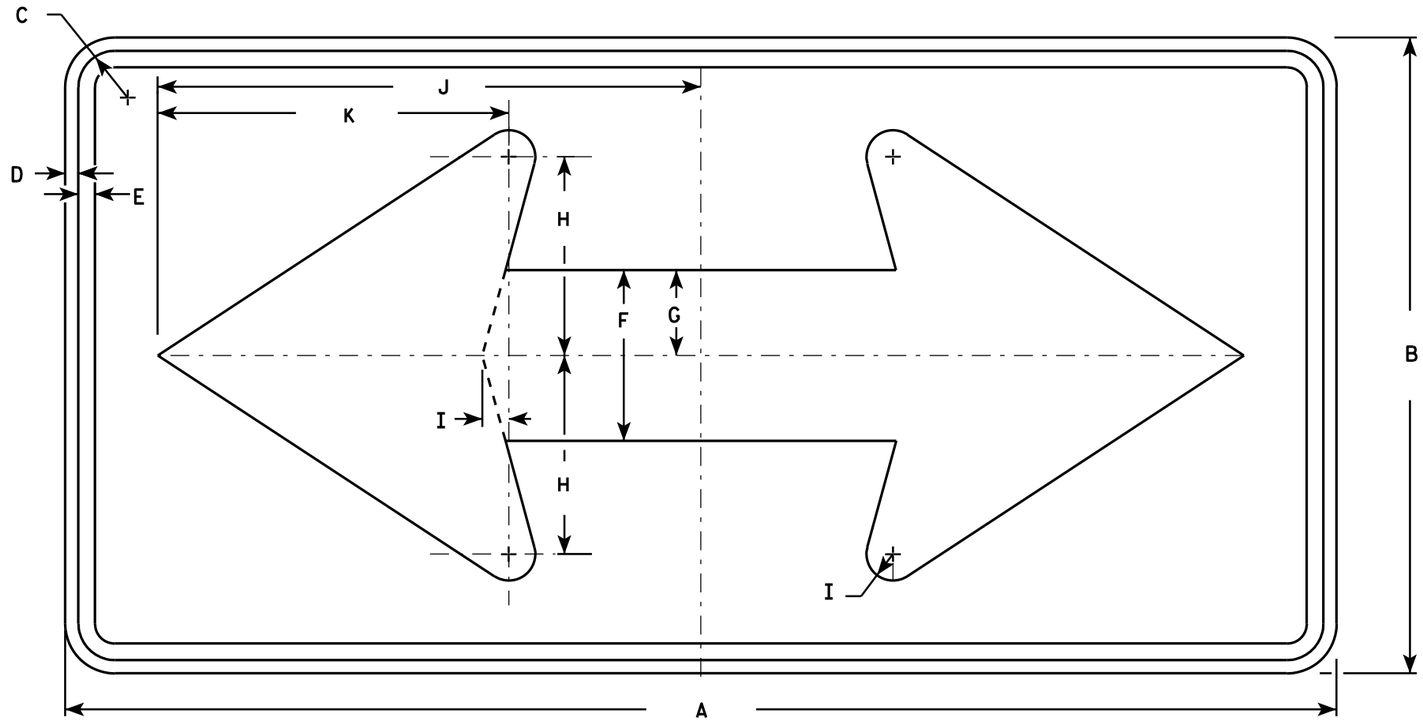
APPROVED Matthew R Rauch
for State Traffic Engineer

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



W1-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

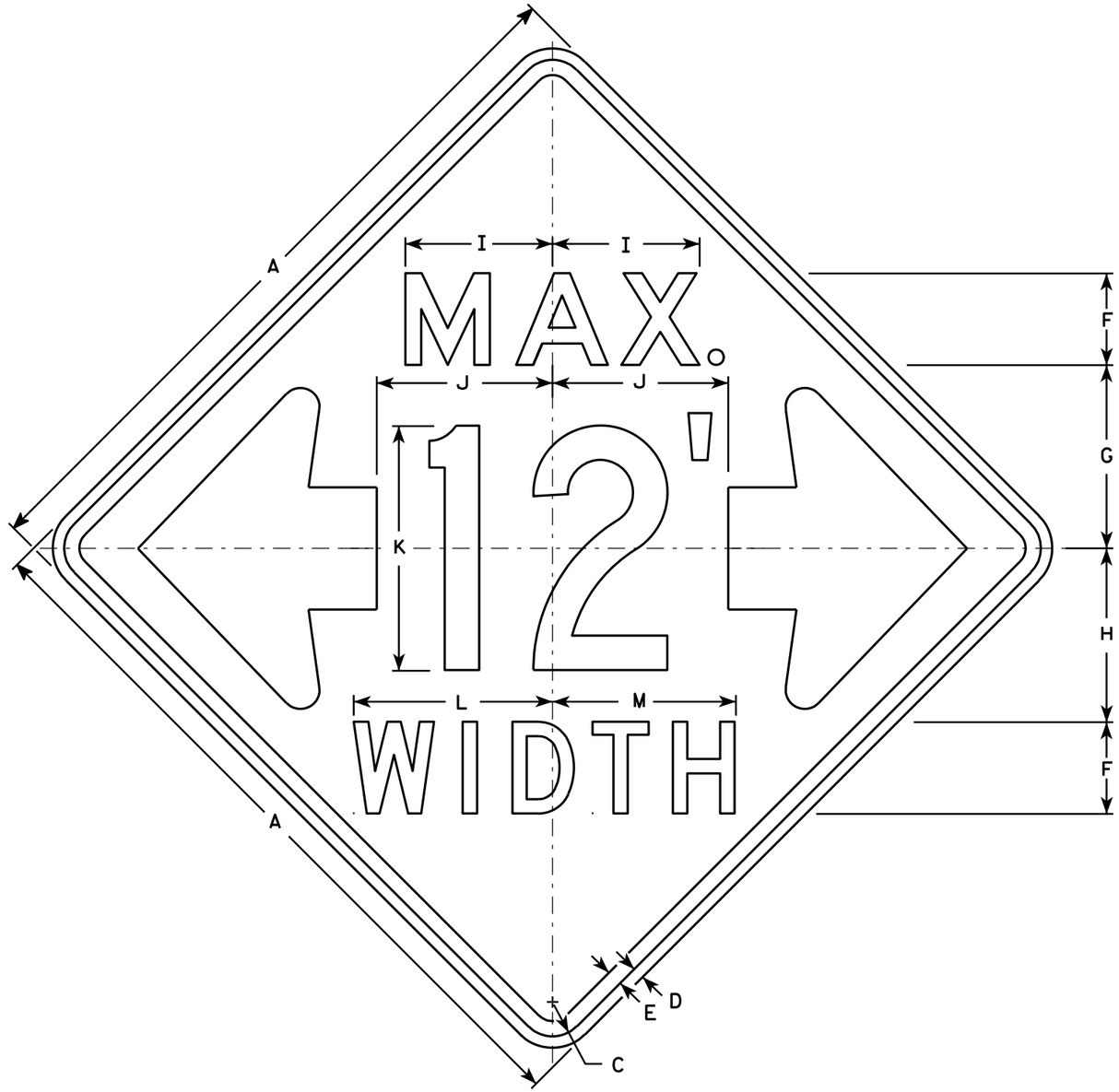
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

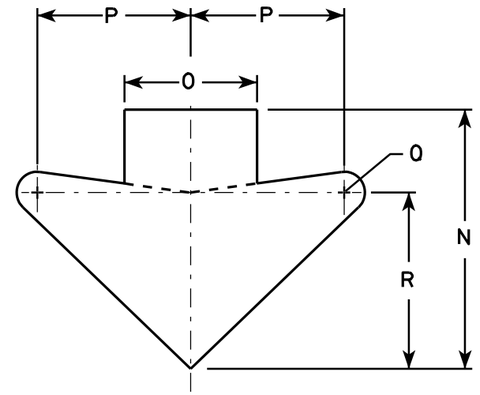
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 189 | E



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

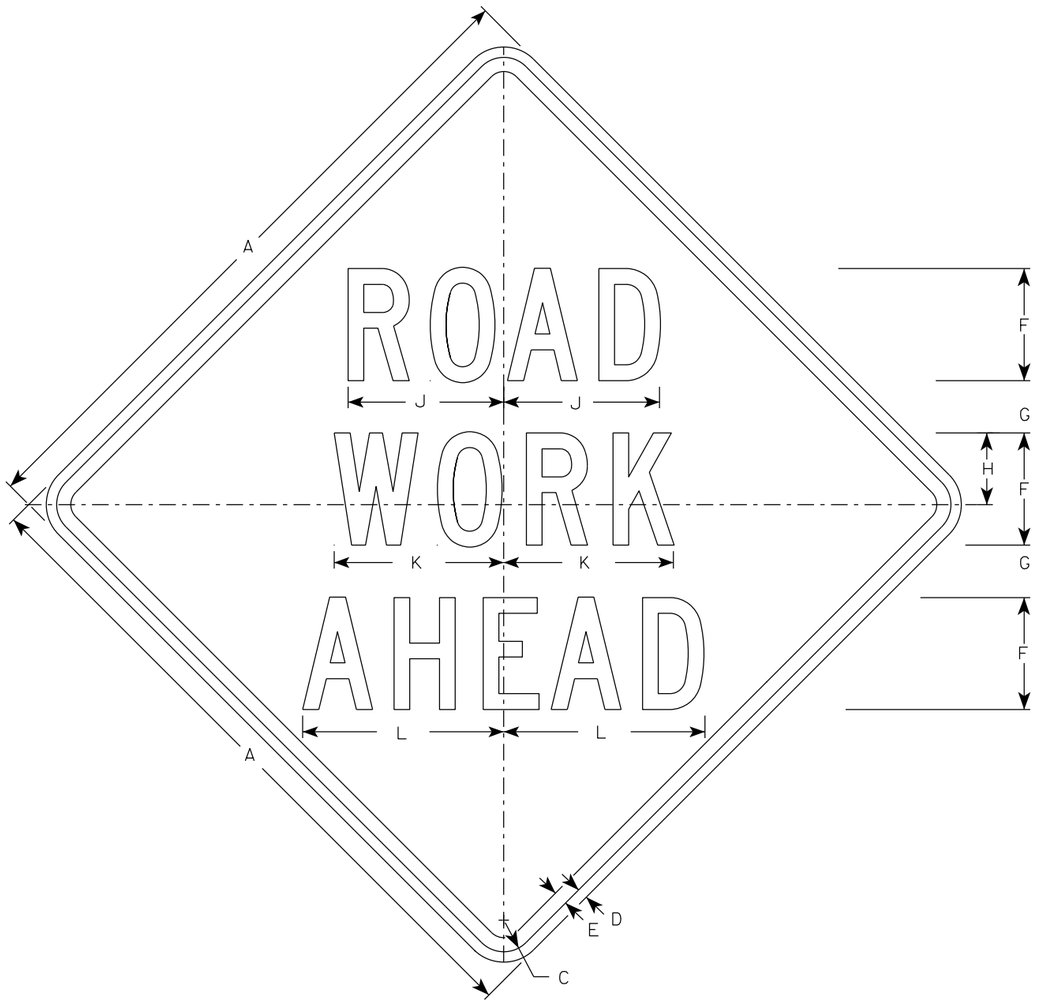
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 190 | E

7

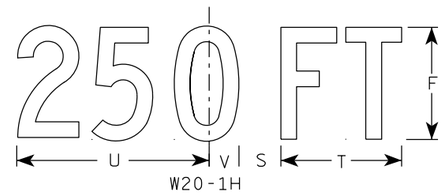
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42

NOTES

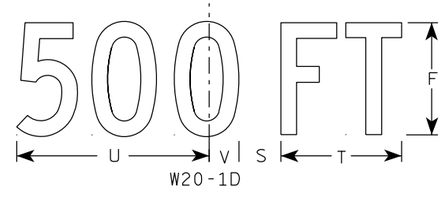
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



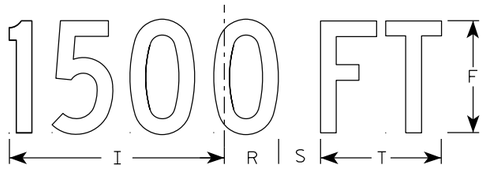
W20-1H



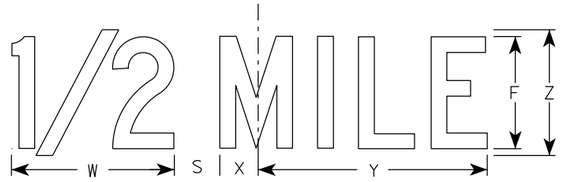
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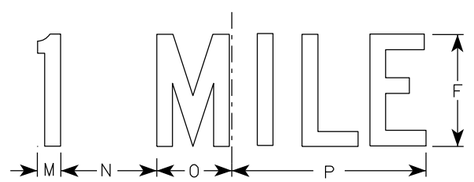
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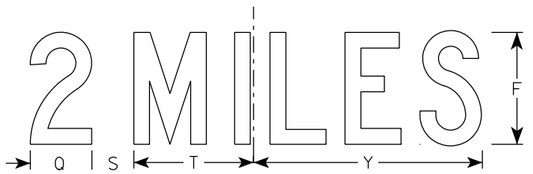
W20-1B



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

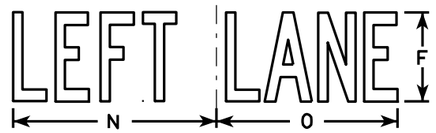
DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

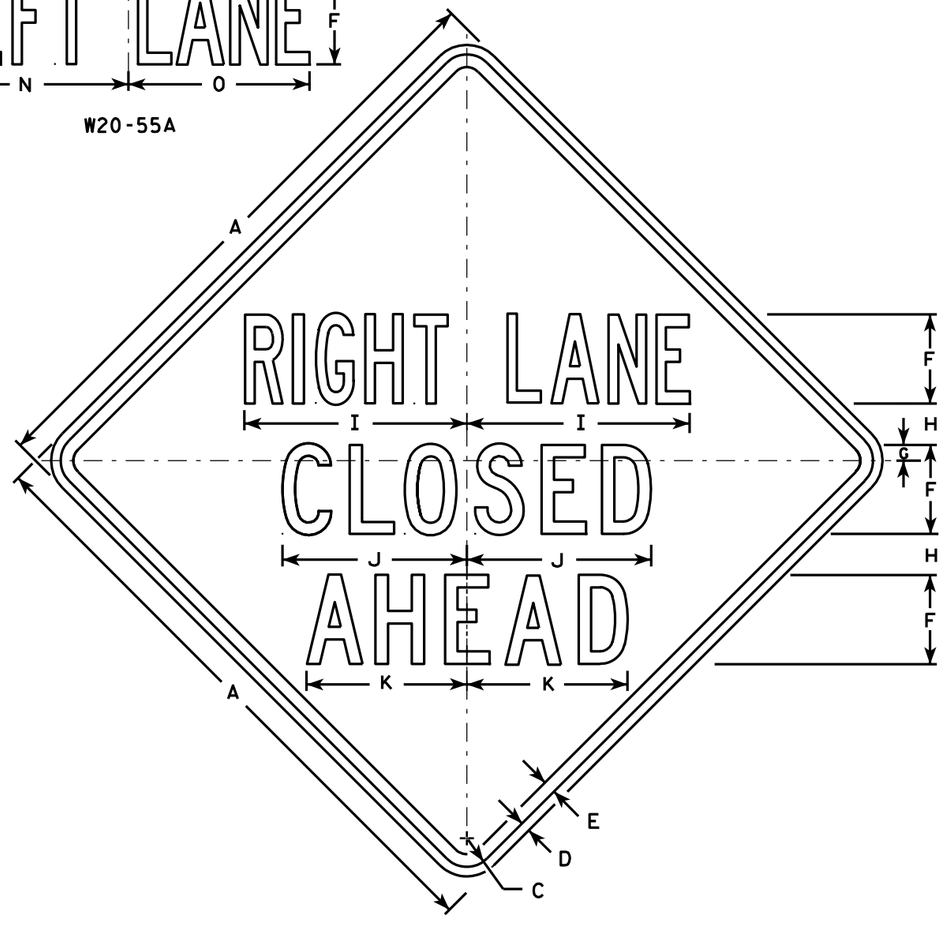
SHEET NO: E



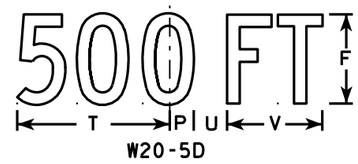
W20-56A



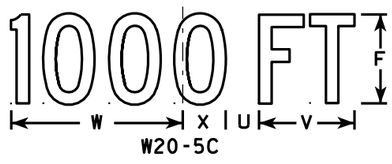
W20-55A



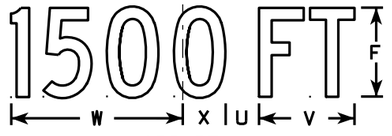
W20-5A



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

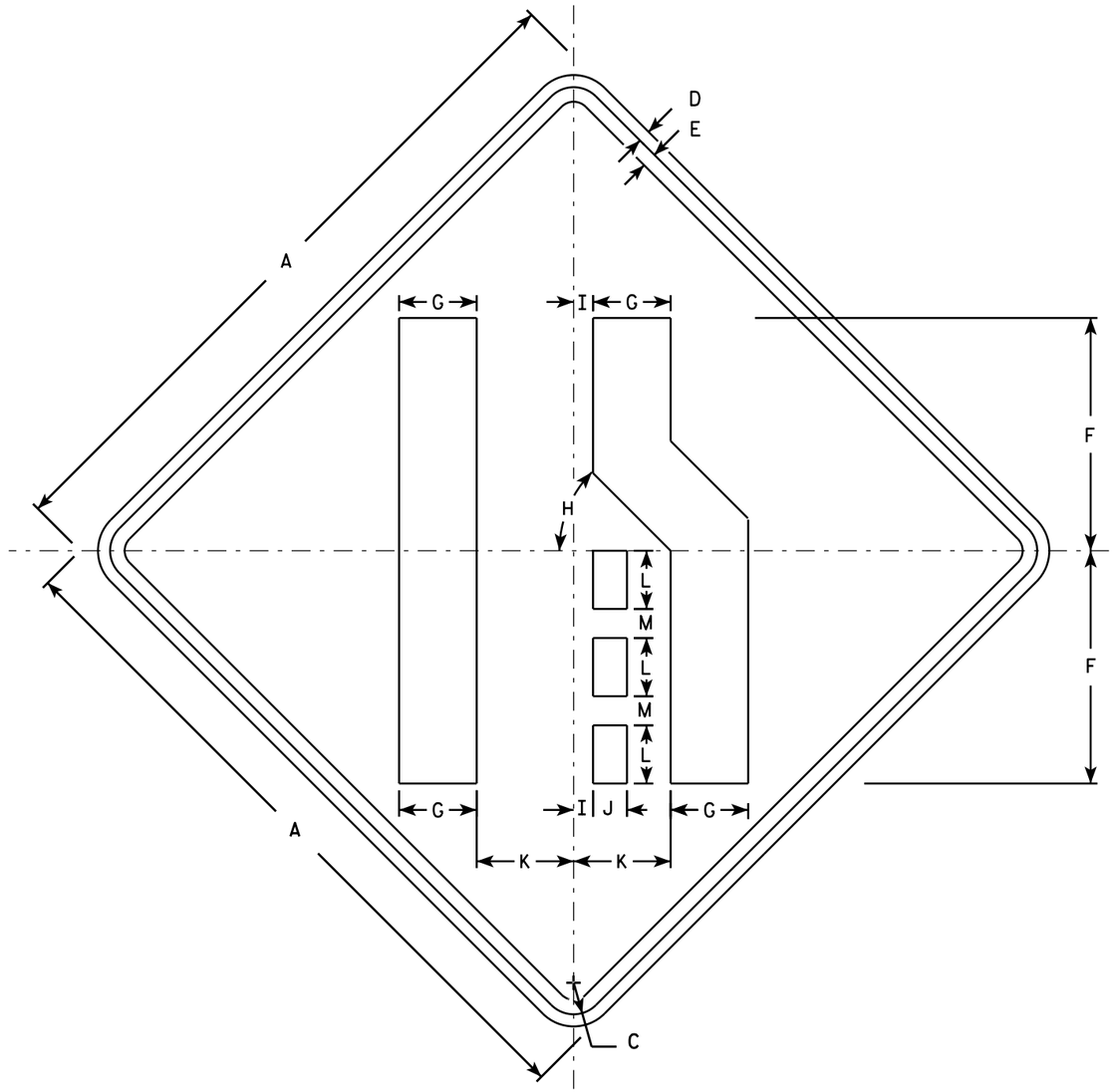
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 192	E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000 WISDOT/CADDS SHEET 42



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 193 W04-2.1

PROJECT NO: | SHEET NO: E

DESIGN DATA

CONTRACTOR DESIGNED OVERHEAD SIGN STRUCTURES SHALL BE DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL.

STANDARD FOUNDATIONS DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I (MAX DC):	1.1 DC + 1.0 W + 1.0 ICE
EXTREME I (MIN DC):	0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)
	1.0 GVW (GALLOPING - CANTILEVER ONLY)

MATERIAL PROPERTIES

CONCRETE MASONRY _____ f'c = 3,500 psi

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 _____ fy = 60,000 psi

HIGH STRENGTH BOLTS - A325 _____ fy = 92,000 psi

ANCHOR RODS - ASTM F1554 GRADE 55 _____ fy = 55,000 psi

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WISCRS), RACINE COUNTY, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE TRUSS OR MONOTUBE BID ITEMS FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA.)".

STRUCTURE DATA

SIGN STR	ACTUAL SIGN AREA	ACTUAL SIGN DEPTH	STANDARD TYPE
S-67-981	27.5 SF	5'-0"	MC-III

STATE PROJECT NUMBER

TRAFFIC VOLUME

A.D.T. (2042) = 9,700
R.D.S. = 40 MPH

LIST OF DRAWINGS

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-67-981

LIST OF OSS STANDARD DESIGN DRAWINGS

3. I. MONOTUBE & 2-CHORD TRUSS DETAILS 1
4. II. MONOTUBE & 2-CHORD TRUSS DETAILS 2
5. III. MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS
6. IV. MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	S-67-981
531.2042	DRILLING SHAFT 42-INCH	LF	18
531.5130	FOUNDATION SINGLE-SHAFT TYPE MC-III	EA	1
532.5130	MONOTUBE CANTILEVER MC-III	EA	1

STRUCTURE DESIGN CONTACTS:
AARON BONK (608) 261-0261
VALBON LATIFI (414) 839-1646

THESE ARE STANDARD DESIGN PLANS, DEVELOPED AND MAINTAINED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION. THE DESIGNER CERTIFIES THAT THE DESIGN AND PLAN DETAILS CHOSEN ARE CONSISTENT WITH THE GUIDANCE PROVIDED IN THE CURRENT WISCONSIN BRIDGE MANUAL CHAPTER 39.

WISCONSIN
VALBON LATIFI
E-45819
CUDAHY, WI
PROFESSIONAL ENGINEER
10/03/2022

NO.	DATE	REVISION	BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
10501 W. Research Drive • Milwaukee, WI 53226
Phone: (414) 771-3390 Fax: (414) 771-4490

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 10/18/22
CHIEF STRUCTURES DESIGN ENGINEER DATE

S-67-981, MONOTUBE AND 2-CHORD TRUSS PLANS

STH 83, STH 20 TO IH 43

COUNTY WAUKESHA
~~TOWN/CITY~~/VILLAGE MUKWONAGO
DESIGN SPEC. AASHTO LRFDLTS-1 W/INTERIMS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
VL	VL	TAL	VL

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 6
194

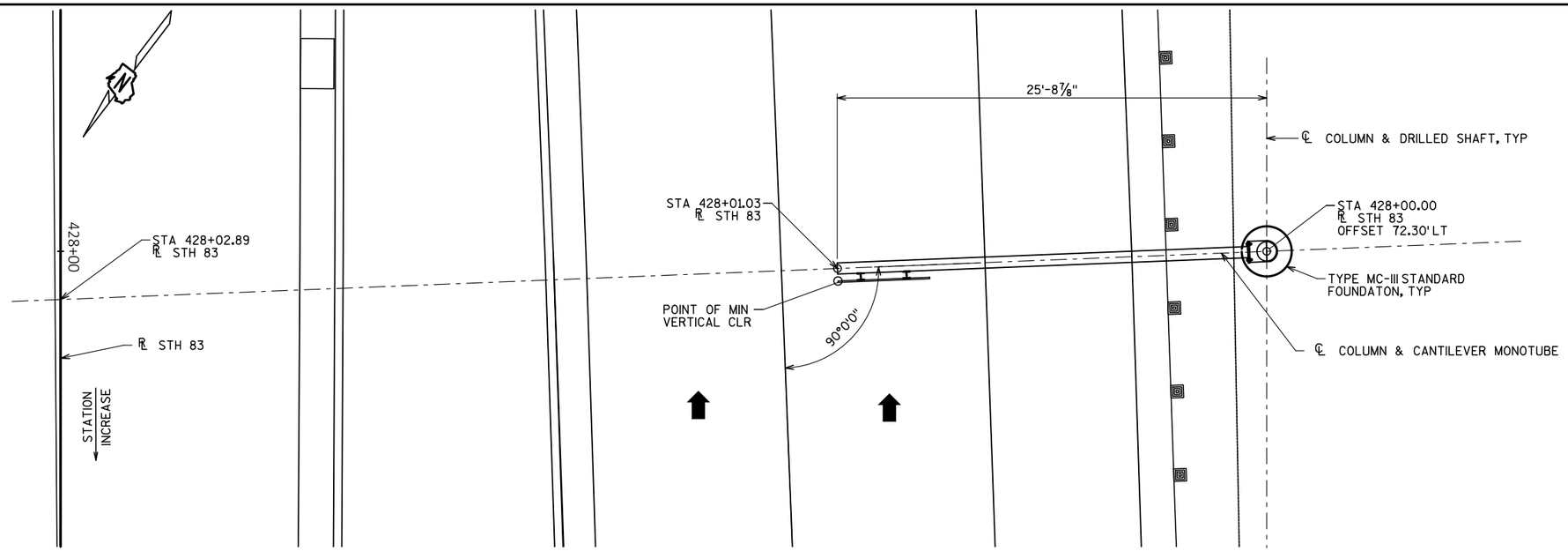
I.D. 1300-09-01
DATE: OCT 2022
SCALE =

8

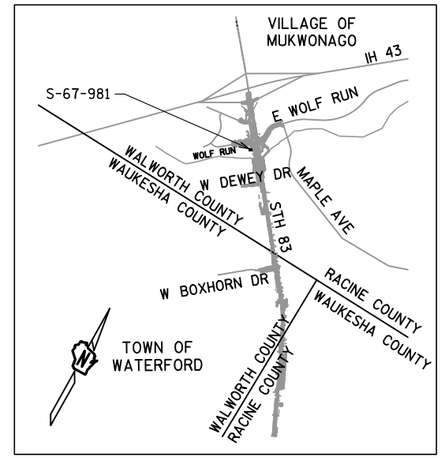
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STATE PROJECT NUMBER

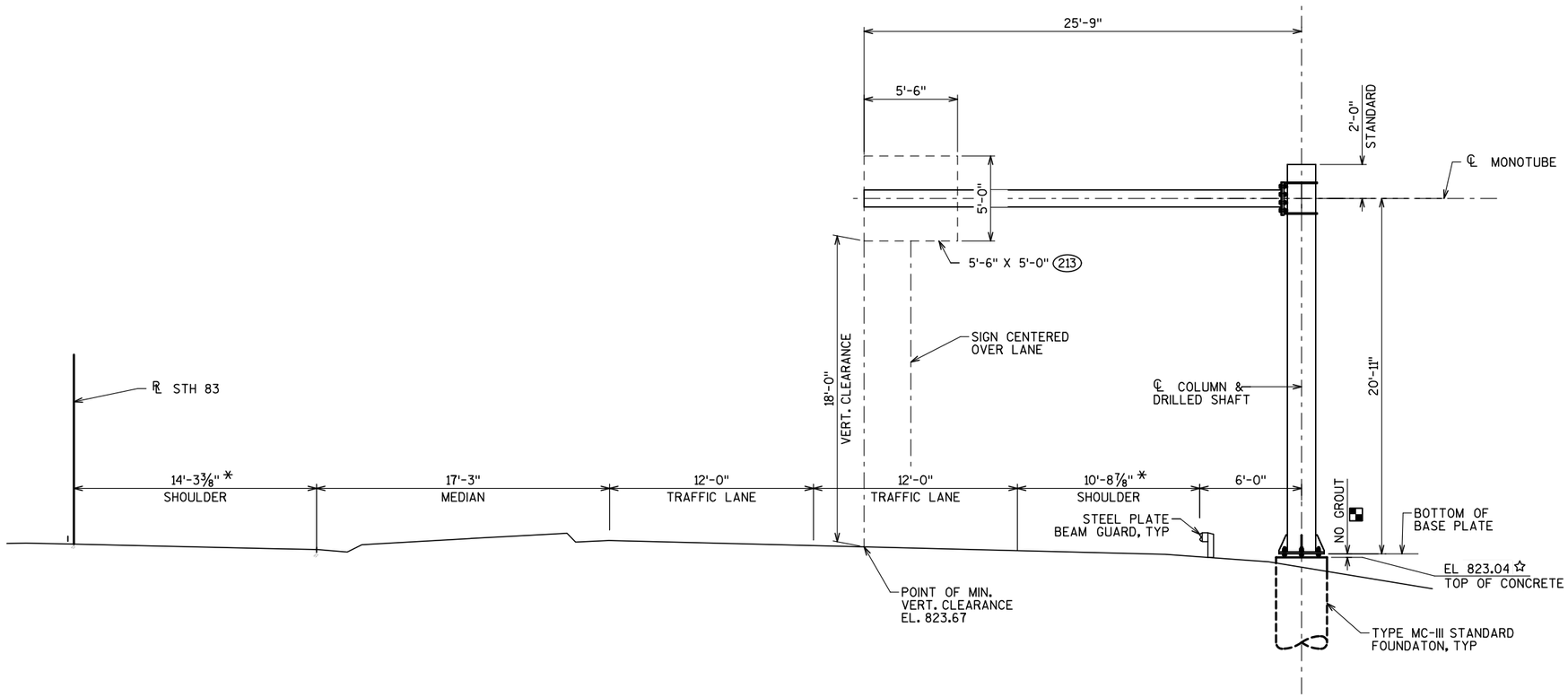
1300-09-71



PLAN



LOCATION MAP



ELEVATION

STA 428+00.00
(LOOKING DOWNSTATION AT FRONT OF SIGN)

NOTE

POINT OF MIN VERTICAL CLEARANCE
STA 428+01.03, 46.57' LT
EL 823.67

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ MONOTUBE

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

■ STANDOFF DIMENSION IS ASSUMED TO BE 2½", BUT IS A MAXIMUM OF 2 X ANCHOR ROD DIAMETER. SEE FOUNDATION DETAILS SHEET AND SHOP DRAWINGS FOR MORE INFORMATION.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-67-981

DRAWN BY TAL | PLANS CK'D. VL

GENERAL LAYOUT
S-67-981

SHEET 2 OF 6
195

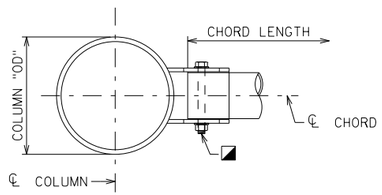
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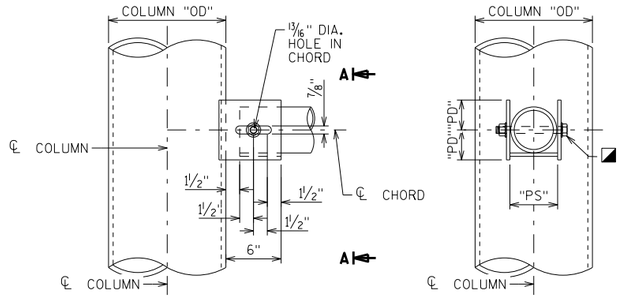
8

STATE PROJECT NUMBER

1300-09-71



PLAN



ELEVATION

SECTION A-A

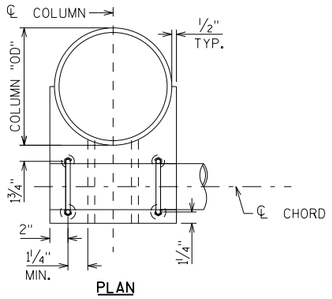
FULL SPAN SADDLE CONNECTION

PREFERRED

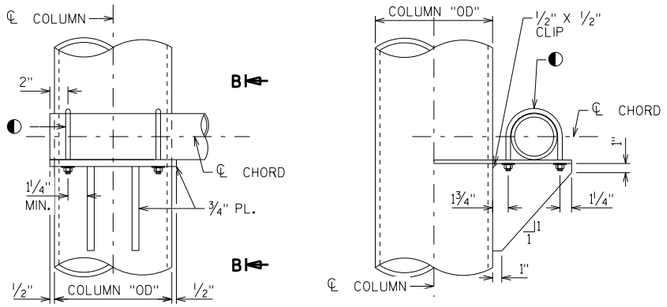
¾" GALVANIZED A325 OR A449 HEAVY HEX BOLT, NUT, WASHER

"PD" = (CHORD "OD")/2 + ¾"

"PS" = CHORD "OD" + 3/16"



PLAN



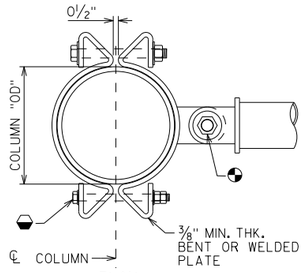
ELEVATION

SECTION B-B

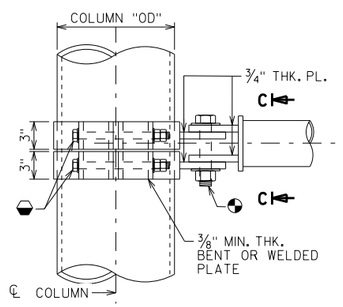
FULL SPAN STIFFENED BEARING CONNECTION

ALTERNATE 1

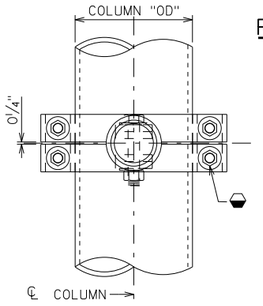
◐ (2) - ½" MIN. GALVANIZED U-BOLT, NUT, WASHER AND LOCK WASHER



PLAN



ELEVATION



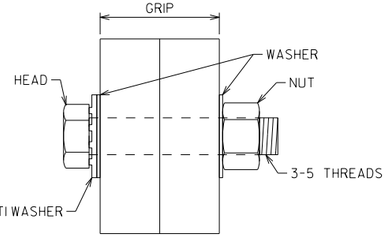
SECTION C-C

FULL SPAN CLAMP CONNECTION

ALTERNATE 2 - TAPERED COLUMNS ONLY

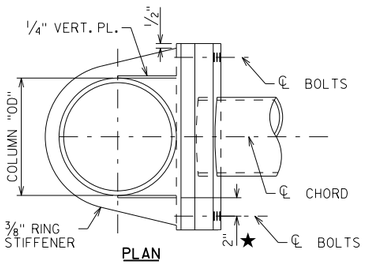
◓ 1¼" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

⬣ 1" GALVANIZED A449 HEAVY HEX BOLT, NUT AND WASHER

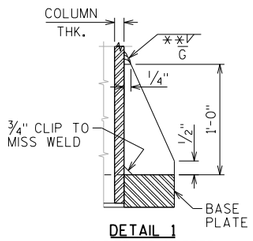


RECOMMENDED BOLT DETAIL WITH DTI

NUT IS THE TURNED ELEMENT

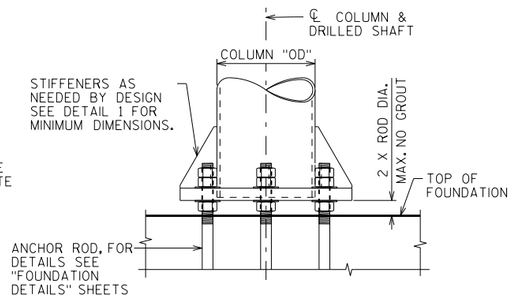


PLAN



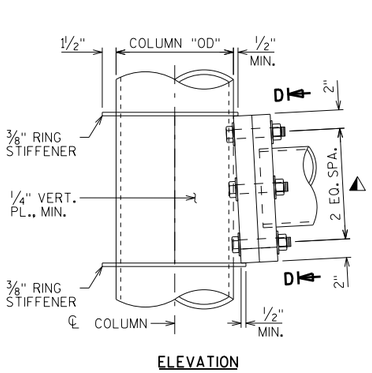
DETAIL 1

** SIZE AS NEEDED

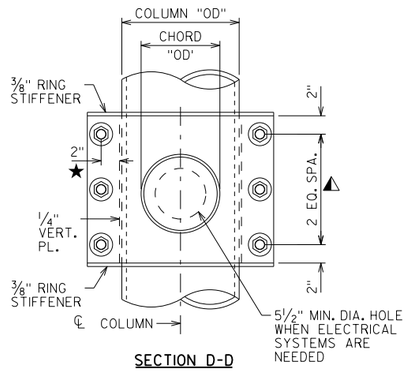


BASE PLATE & COLUMN DETAIL

LOOKING AT FRONT FACE OF STRUCTURE



ELEVATION

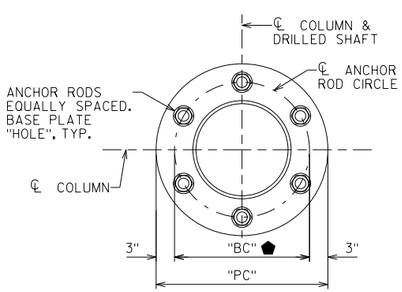


SECTION D-D

CANTILEVER POST TO CHORD CONNECTION

◭ MIN. CONNECTION = (6) - 1" GALVANIZED F3125 GRADE A325 BOLTS, NUT, WASHER AND DTI

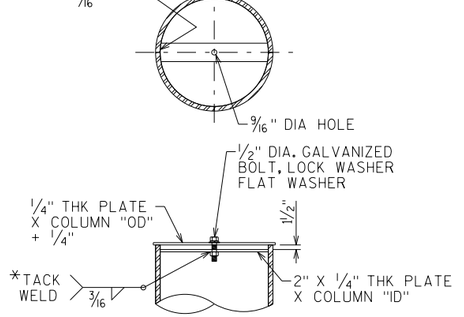
★ MIN. DIMENSION MEASURED FROM EXT. FACE OF VERT. PLATE



BASE PLATE

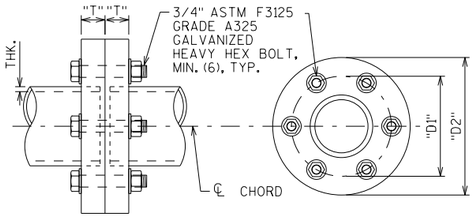
PLAN

⬟ "BC" = POLE OD + 6"



COLUMN/CHORD CAP DETAIL

* PLACE TACK EVERY OTHER FLAT TO SECURE NUT OR USE ½" THICK PLATE AND TAP HOLE FOR BOLT THREADS

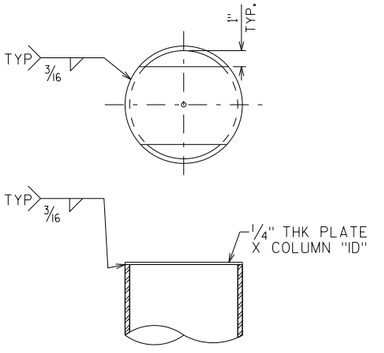


CHORD SPLICE DETAIL

"D1" = CHORD "OD" + 3"

"D2" = CHORD "OD" + 6"

"T" = BY DESIGN



CHORD CAP DETAIL

NOTES:

MINIMUM VALUES SHOWN

ALL CONNETIONS ARE TO BE DESIGNED FOR ACTUAL STRUCTURE LOADS.

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MONOTUBE & 2-CHORD TRUSS DETAILS 1

SHEET 3 of 6

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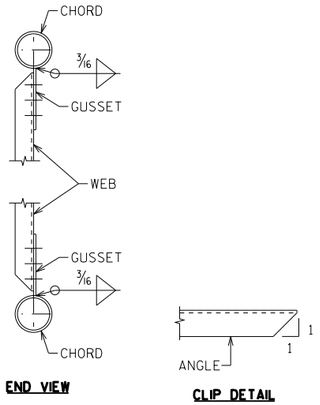
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SCALE = 1.00

STATE PROJECT NUMBER

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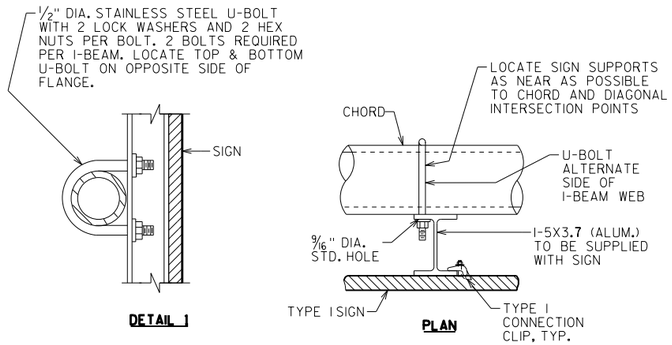


END VIEW

CLIP DETAIL

TRUSS CONNECTION DETAILS

BOLTED CONNECTIONS SHOWN, NUMBER OF BOLTS BY DESIGN
WELDED CONNECTIONS SIMILAR



DETAIL 1

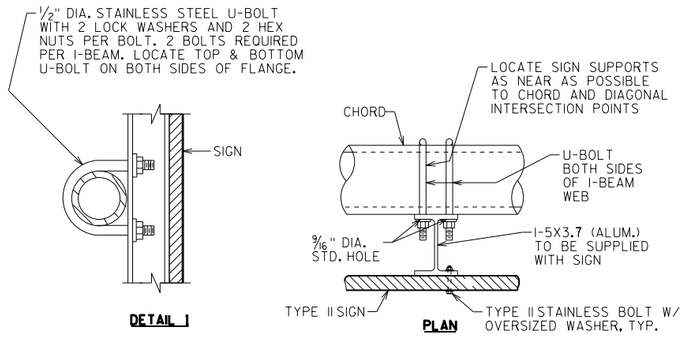
PLAN

2-CHORD TRUSS SIGN CONNECTION

SEE SIGN PLATE MANUAL A4-7A FOR DETAILS

ALUMINUM I-5X3.7 I-BEAMS ARE TO BE SUPPLIED WITH THE SIGN PANEL

HARDWARE TO BE SUPPLIED BY THE CONTRACTOR



DETAIL 1

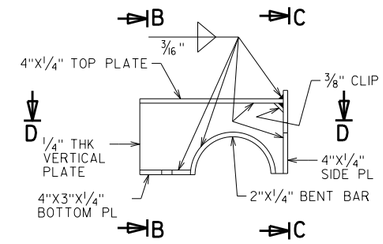
PLAN

MONOTUBE SIGN CONNECTION

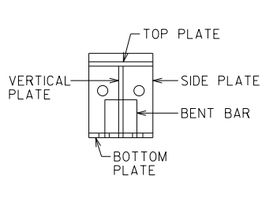
SEE SIGN PLATE MANUAL A4-7B FOR DETAILS

ALUMINUM I-5X3.7 I-BEAMS ARE TO BE SUPPLIED WITH THE SIGN PANEL

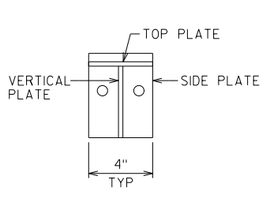
HARDWARE TO BE SUPPLIED BY THE CONTRACTOR



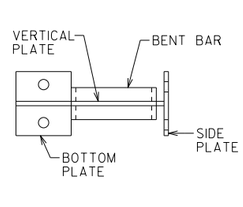
ELEVATION



SECTION B-B



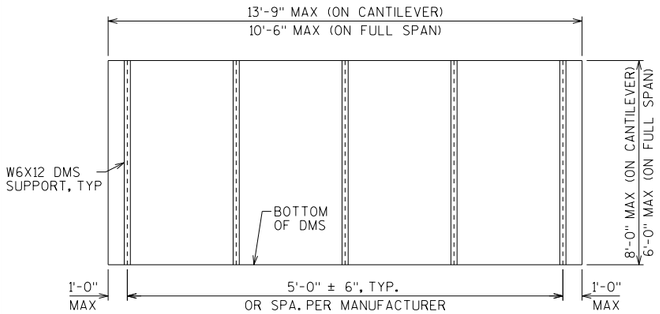
SECTION C-C



SECTION D-D

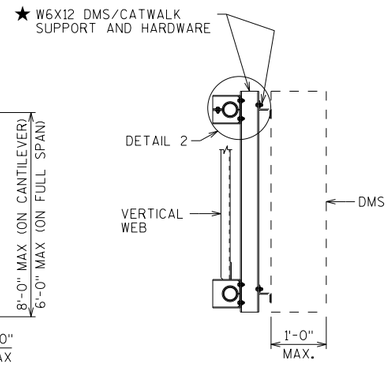
DMS WELDED PLATE CONNECTION DETAILS

TOP PLATE CLAMP SHOWN
BOTTOM PLATE CLAMP SIMILAR



DMS MOUNTING POST SPACING DETAIL

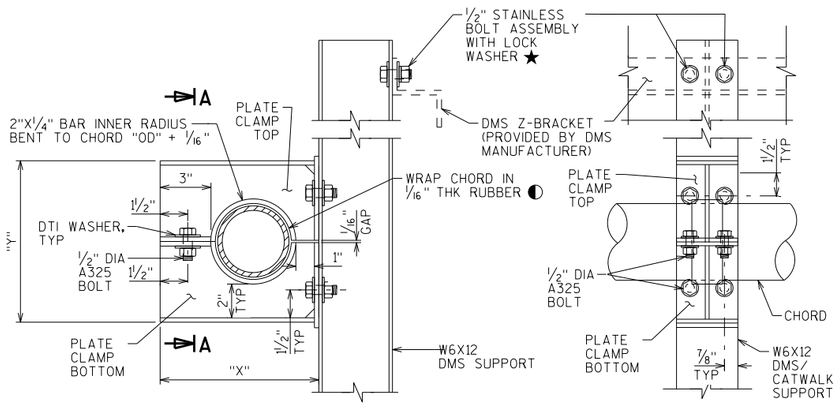
POST SPACING MAY BE ADJUSTED AS REQUIRED IF CONFLICT WITH TRUSS IS ENCOUNTERED.



SECTION THRU TRUSS

FOR DMS/CATWALK CONNECTION

★ W6X12 SUPPORTS AND HARDWARE ARE TO BE SUPPLIED BY THE CONTRACTOR. 1/2" STAINLESS BOLT, NUT, WASHER AND LOCK WASHER REQUIRED, 4 PER W6X12.



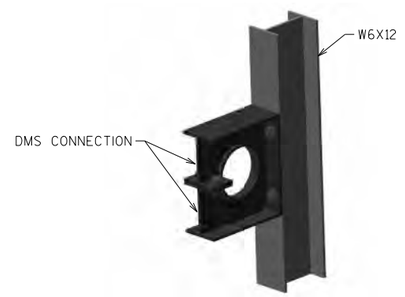
DETAIL 2

SECTION A-A

CHORD OUTER DIA	"X"	"Y"
"OD"	"OD"+4 13/16"	"OD"+5 1/16"

TYPICAL DMS CONNECTION

◐ NEOPRENE, GRADE 45±5, OTHERWISE MEETING THE REQUIREMENTS OF STD SPEC 506.2.6.1



3-D VIEW DMS CONNECTION

CHORD NOT SHOWN FOR CLARITY

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MONOTUBE & 2-CHORD TRUSS DETAILS 2

SHEET 4 of 6

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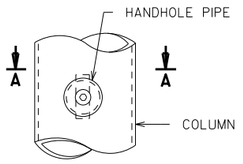
SCALE = 2.00

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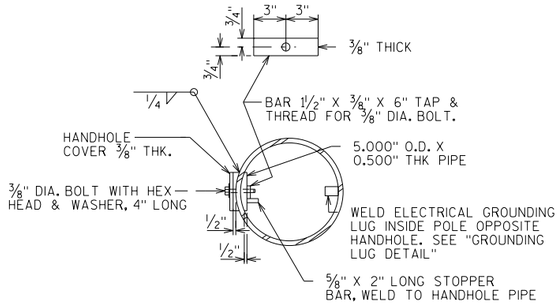
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HANDHOLE DETAILS

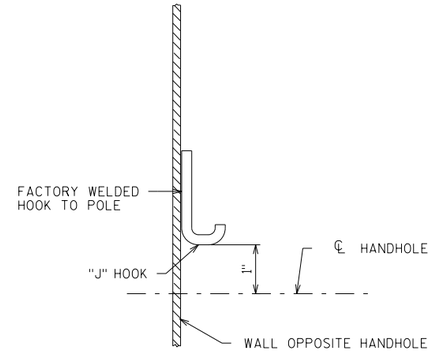


SECTION A-A

HANDHOLE NOTES

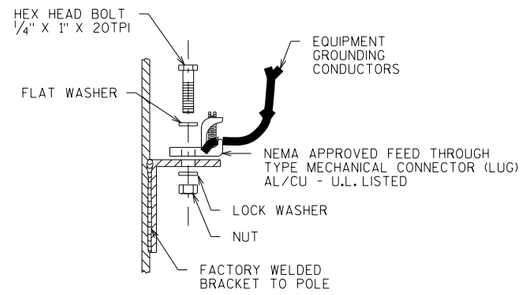
HANDHOLES SHALL BE LOCATED IN ONE COLUMN OF THE SIGN STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC SECTION PRIOR TO FABRICATION OF THE SIGN COLUMNS AND MEMBERS. CONDUIT (AS REQ'D.) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL PLAN DETAIL SHEETS.

UNLESS NOTED OTHERWISE, ALL HANDHOLE ELEMENTS TO BE GALVANIZED PER THE WISDOT STANDARD SPECIFICATIONS.



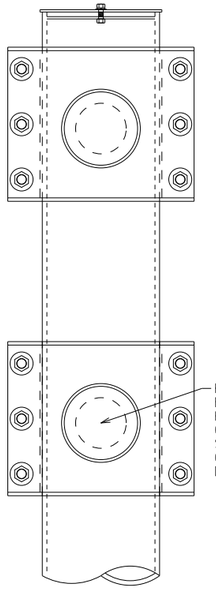
TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF ALL COLUMNS CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.

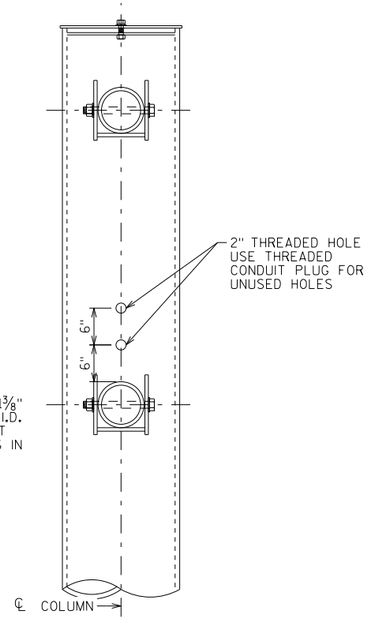


GROUNDING LUG DETAIL

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



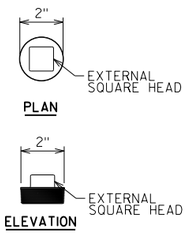
2-CHORD CANTILEVER



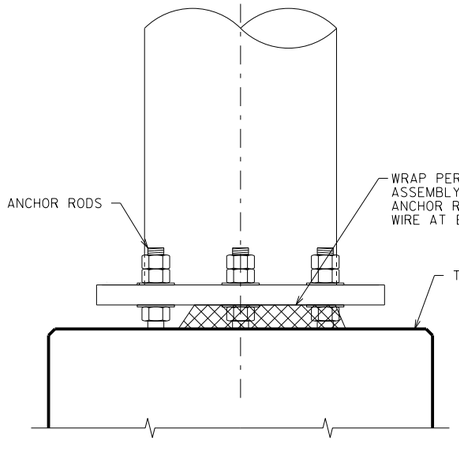
2-CHORD FULL SPAN

SADDLE CONNECTIONS SHOWN, BEARING AND CLAMP CONNECTIONS SIMILAR

CONDUIT HOLE LOCATIONS



CONDUIT PLUG DETAILS



RODENT SCREEN

(ONLY REQ'D. WHEN ELECTRICAL DEVICES ARE INSTALLED)

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STRUCTURES DESIGN SECTION

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MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS

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SCALE = 1.00

8

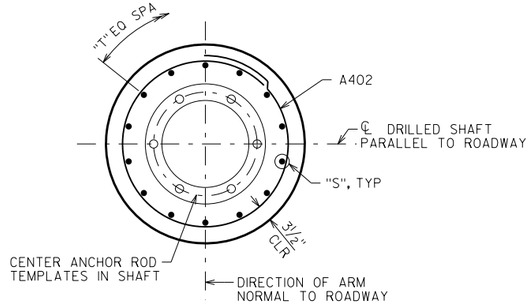
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STATE PROJECT NUMBER

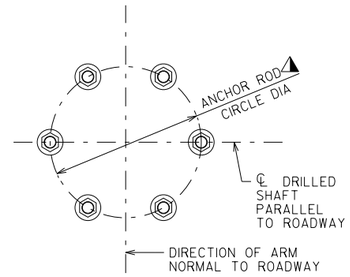
1300-09-71

FOUNDATION & REINFORCING DATA

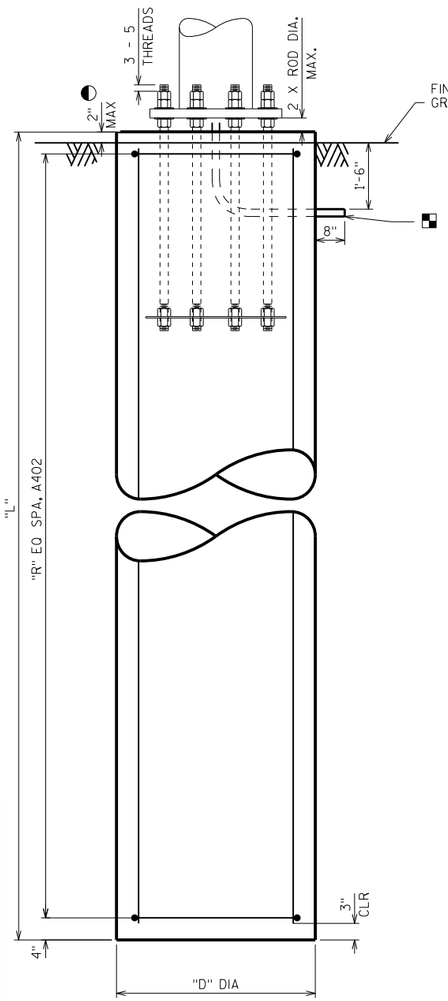
STANDARD FOUNDATION TYPE	SHAFT VARIABLES					
	"D"	"L"	"R"	"S"	"T"	"BC" MAX
MFI	2'-0"	12'-0"	12	A801	6	12"
MFII	2'-6"	13'-0"	13	A801	10	17"
MCI/MCII/TFI	2'-6"	17'-0"	17	A801	10	17"
TCI	3'-0"	18'-0"	18	A801	14	22"
TFII	3'-0"	20'-0"	20	A801	14	22"
MCIII/TCII/TFIII	3'-6"	18'-0"	18	A901	14	28"
MCIV/TFIV	3'-6"	23'-0"	23	A901	14	28"
TCIII	4'-0"	23'-0"	23	A1001	14	34"
TCIV	4'-0"	28'-0"	28	A1001	14	34"



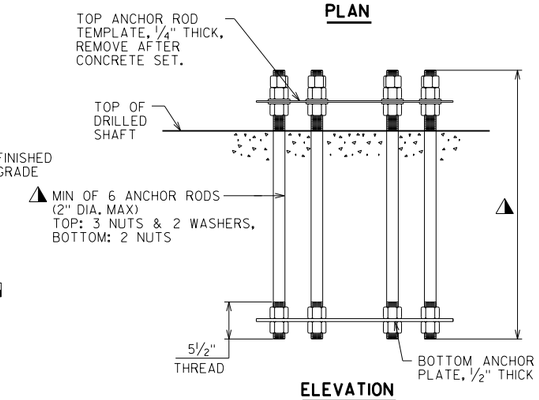
PLAN



PLAN



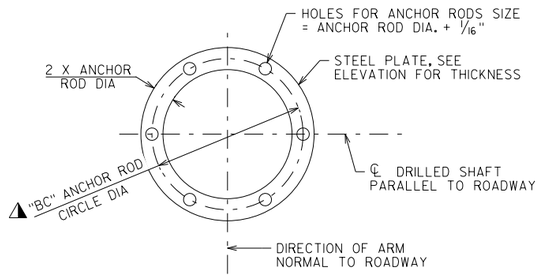
ELEVATION



ELEVATION

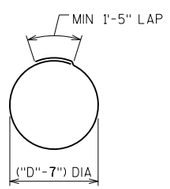
ANCHOR ROD ASSEMBLY DETAILS

⚠ ANCHOR ROD NUMBER, DIAMETER, LENGTH & ORIENTATION AS SHOWN ON FABRICATION DRAWING.



ANCHOR PLATE/TOP TEMPLATE

PLAN



A402

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BILL OF BARS - STANDARD FOUNDATIONS

STANDARD FOUNDATION MFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		6	11'-7"			DRILLED SHAFT - VERTICAL
A402		13	5'-10"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	12'-7"			DRILLED SHAFT - VERTICAL
A402		14	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCI/MCII/TFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	16'-7"			DRILLED SHAFT - VERTICAL
A402		18	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	19'-7"			DRILLED SHAFT - VERTICAL
A402		21	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIII/TCII/TFIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIV/TFIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	12'-2"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	27'-7"			DRILLED SHAFT - VERTICAL
A402		29	12'-2"	X		DRILLED SHAFT - HORIZONTAL

ESTIMATED QUANTITIES - FOUNDATIONS

STANDARD FOUNDATION TYPE	CONCRETE MASONRY (CY)	STEEL REINFORCEMENT HS (LBS)	FOUNDATION DRILLING (LF)				
			24" DIA.	30" DIA.	36" DIA.	42" DIA.	48" DIA.
MFI	2	240	12				
MFII	3	410		13			
MCI/MCII/TFI	4	540		17			
TCI	5	780			18		
TFII	6	860			20		
MCIII/TCII/TFIII	7	970				18	
MCIV/TFIV	9	1,250				23	
TCIII	11	1,560					23
TCIV	13	1,900					28

✳✳ QUANTITIES ARE FOR INFORMATION ONLY AND ARE BASED ON STANDARD STRUCTURE DIMENSIONS

NOTES

CENTER ANCHOR ROD ASSEMBLY ON DRILLED SHAFT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURED IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

◐ FOR OVERHEAD SIGN STRUCTURES THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE SHAFT SHALL BE POURED FLUSH WITH THE FINISHED GRADE.

◪ 2" DIA NONMETALLIC CONDUITS, INSTALL ONLY WITH DMS. EXTEND CONDUITS AS SHOWN AND CAP OR SEAL EACH END WITH A SUITABLE REMOVABLE PLUG. PLACE CONDUITS UNDER COLUMN ADJACENT TO THE DMS. CONDUITS INCIDENTAL TO THE FOUNDATION BID ITEMS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: MARCH 2021

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

SHEET 6 of 6

199

SCALE = 1.67

8

8

Project ID: 1300-09-71
Division 2 - STH 83

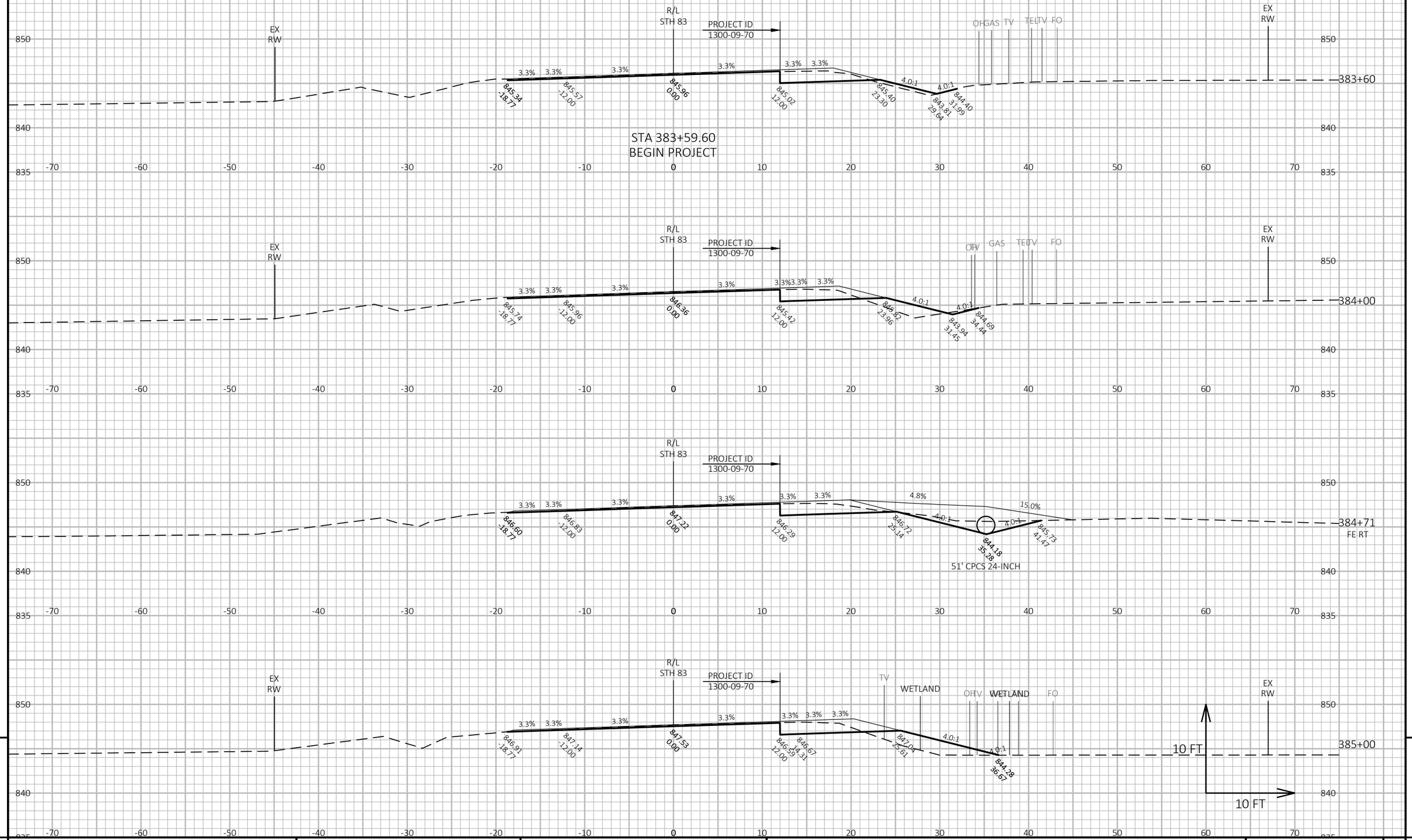
		Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						
STATION	Distance	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS In Fill 0.80	Mass Ordinate
383+60	0	10.1	0.0	2.4	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
384+00	40	9.4	0.0	8.2	0.0	0.0	14	0	8	0	0	14	10	0	0	0	0	5
385+00	100	9.8	0.0	16.2	0.0	0.0	36	0	45	0	0	50	66	0	0	0	0	-17
386+00	100	8.7	0.0	29.5	0.0	0.0	34	0	85	0	0	84	172	0	0	0	0	-88
387+00	100	9.8	0.0	29.4	0.0	0.0	34	0	109	0	0	118	308	0	0	0	0	-190
388+00	100	9.2	0.0	20.7	0.0	0.0	35	0	93	0	0	154	424	0	0	0	0	-271
389+00	100	22.3	0.0	2.5	0.0	0.0	58	0	43	0	0	212	478	0	0	0	0	-266
390+00	100	29.4	0.0	0.0	0.0	0.0	96	0	5	0	0	308	484	0	0	0	0	-176
391+00	100	19.0	0.0	3.9	0.0	0.0	90	0	7	0	0	397	493	0	0	0	0	-96
392+00	100	20.2	0.0	4.2	0.0	0.0	73	0	15	0	0	470	512	0	0	0	0	-42
393+00	100	16.5	0.0	15.0	0.0	0.0	68	0	36	0	0	538	556	0	0	0	0	-18
394+00	100	23.5	0.0	14.3	0.0	0.0	74	0	54	0	0	612	624	0	0	0	0	-12
395+00	100	31.8	0.0	4.0	0.0	0.0	102	0	34	0	0	714	666	0	0	0	0	48
396+00	100	30.9	0.0	48.1	0.0	0.0	116	0	96	0	0	830	787	0	0	0	0	43
396+28	28	30.2	0.0	35.4	0.0	0.0	32	0	44	0	0	862	841	0	0	0	0	21
397+00	72	35.9	0.0	3.7	0.0	0.0	88	0	52	0	0	950	906	0	0	0	0	44
398+00	100	44.2	0.0	1.6	0.0	0.0	148	0	10	0	0	1,098	918	0	0	0	0	180
399+00	100	71.1	0.0	0.2	0.0	0.0	214	0	3	0	0	1,312	923	0	0	0	0	389
400+00	100	101.0	0.0	0.0	0.0	0.0	319	0	0	0	0	1,631	923	0	0	0	0	708
401+00	100	64.2	0.0	0.0	0.0	0.0	306	0	0	0	0	1,937	923	0	0	0	0	1,014
402+00	100	32.2	0.0	0.0	0.0	0.0	179	0	0	0	0	2,115	923	0	0	0	0	1,192
403+00	100	47.7	0.0	0.0	0.0	0.0	148	0	0	0	0	2,263	923	0	0	0	0	1,340
404+00	100	39.0	0.0	2.0	0.0	0.0	161	0	4	0	0	2,424	928	0	0	0	0	1,496
405+00	100	30.5	0.0	5.3	0.0	0.0	129	0	13	0	0	2,553	944	0	0	0	0	1,608
406+00	100	21.3	0.0	32.4	0.0	0.0	96	0	70	0	0	2,648	1,031	0	0	0	0	1,617
406+18	18	20.2	0.0	43.1	0.0	0.0	14	0	25	0	0	2,662	1,063	0	0	0	0	1,599
407+00	82	21.9	0.0	24.4	0.0	0.0	64	0	103	0	0	2,726	1,191	0	0	0	0	1,535
408+00	100	47.0	0.0	4.3	0.0	0.0	128	0	53	0	0	2,854	1,257	0	0	0	0	1,596
409+00	100	82.3	0.0	2.4	0.0	0.0	240	0	12	0	0	3,093	1,273	0	0	0	0	1,820
410+00	100	27.7	0.0	0.0	0.0	0.0	204	0	4	0	0	3,297	1,278	0	0	0	0	2,018
410+74	74	32.2	0.0	0.0	0.0	0.0	82	0	0	0	0	3,378	1,278	0	0	0	0	2,100
411+00	26	40.4	0.0	0.0	0.0	0.0	36	0	0	0	0	3,414	1,278	0	0	0	0	2,136
412+00	100	29.3	0.0	0.0	0.0	0.0	129	0	0	0	0	3,543	1,278	0	0	0	0	2,265
412+11	11	29.3	0.0	0.0	0.0	0.0	12	0	0	0	0	3,555	1,278	0	0	0	0	2,277
413+00	89	26.1	0.0	2.8	0.0	0.0	91	0	5	0	0	3,646	1,284	0	0	0	0	2,362
414+00	100	23.0	0.0	2.8	0.0	0.0	91	0	10	0	0	3,737	1,297	0	0	0	0	2,441
415+00	100	26.4	0.0	0.0	0.0	0.0	91	0	5	0	0	3,829	1,303	0	0	0	0	2,526
416+00	100	21.2	0.0	1.5	0.0	0.0	88	0	3	0	0	3,917	1,306	0	0	0	0	2,610
417+00	100	42.9	0.0	0.0	0.0	0.0	119	0	3	0	0	4,035	1,310	0	0	0	0	2,725
418+00	100	59.7	0.0	0.0	0.0	0.0	190	0	0	0	0	4,225	1,310	0	0	0	0	2,915
418+79	79	69.1	0.0	0.0	0.0	0.0	188	0	0	0	0	4,413	1,310	0	0	0	0	3,104
419+00	21	60.1	0.0	0.0	0.0	0.0	50	0	0	0	0	4,464	1,310	0	0	0	0	3,154
420+00	100	48.2	0.0	0.0	0.0	0.0	201	0	0	0	0	4,664	1,310	0	0	0	0	3,355
421+00	100	31.0	0.0	55.8	0.0	9.5	147	0	103	0	18	4,811	1,421	0	23	0	14	3,390
422+00	100	34.1	0.0	66.8	0.0	0.0	121	0	227	0	18	4,932	1,688	0	46	0	28	3,244
423+00	100	40.4	0.0	35.2	0.0	0.0	138	0	189	0	0	5,070	1,924	0	46	0	28	3,146
424+00	100	45.6	0.0	16.7	0.0	0.0	159	0	96	0	0	5,229	2,044	0	46	0	28	3,185

Project ID: 1300-09-71
Division 2 - STH 83

STATION	Distance	Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						Mass Ordinate
		Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Expanded Fill	Expanded Marsh Backfill	Expanded EBS Backfill	Reduced Marsh in Fill	Reduced EBS In Fill	
												1.00	1.25	1.50	1.30	0.60	0.80	
426+42	0	0.0	6.4	0.0	0.0	0.0	0	0	0	0	0	5,229	2,044	0	46	0	28	3,185
427+00	58	0.3	0.0	0.0	0.0	0.0	0	7	0	0	0	5,229	2,044	0	46	0	28	3,178
428+00	100	0.0	0.8	0.0	0.0	0.0	1	1	0	0	0	5,230	2,044	0	46	0	28	3,177
428+60	60	0.0	1.4	0.0	0.0	0.0	0	2	0	0	0	5,230	2,044	0	46	0	28	3,175
428+85	25	0.0	1.8	0.0	0.0	0.0	0	1	0	0	0	5,230	2,044	0	46	0	28	3,173
429+00	15	0.0	2.1	0.0	0.0	0.0	0	1	0	0	0	5,230	2,044	0	46	0	28	3,172
429+10	10	0.0	2.4	0.0	0.0	0.0	0	1	0	0	0	5,230	2,044	0	46	0	28	3,172
429+37	27	0.0	1.4	0.0	0.0	0.0	0	2	0	0	0	5,230	2,044	0	46	0	28	3,170
						Column totals	5,230	16	1,663	0	35							

Project ID: 1300-09-71
Division 2 - W Dewey Dr

STATION	Distance	Area (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)						Mass Ordinate
		Cut	Salvaged/ Unusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Salvaged/U nusable Pavement Material	Fill	Marsh Exc	EBS	Cut	Expanded Fill	Expanded Marsh Backfill	Expanded EBS Backfill	Reduced Marsh in Fill	Reduced EBS In Fill	
												1.00	1.25	1.50	1.30	0.60	0.80	
921+75	0	85.0	0.0	0.3	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
922+00	25	105.9	0.0	1.1	0.0	0.0	88	0	1	0	0	88	1	0	0	0	0	88
922+50	50	166.5	0.0	4.8	0.0	0.0	252	0	5	0	0	341	8	0	0	0	0	333
						Column totals	341	0	6	0	0							



9

9

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 202	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-01-83

PLOT DATE : 10/1/2022 7:05 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

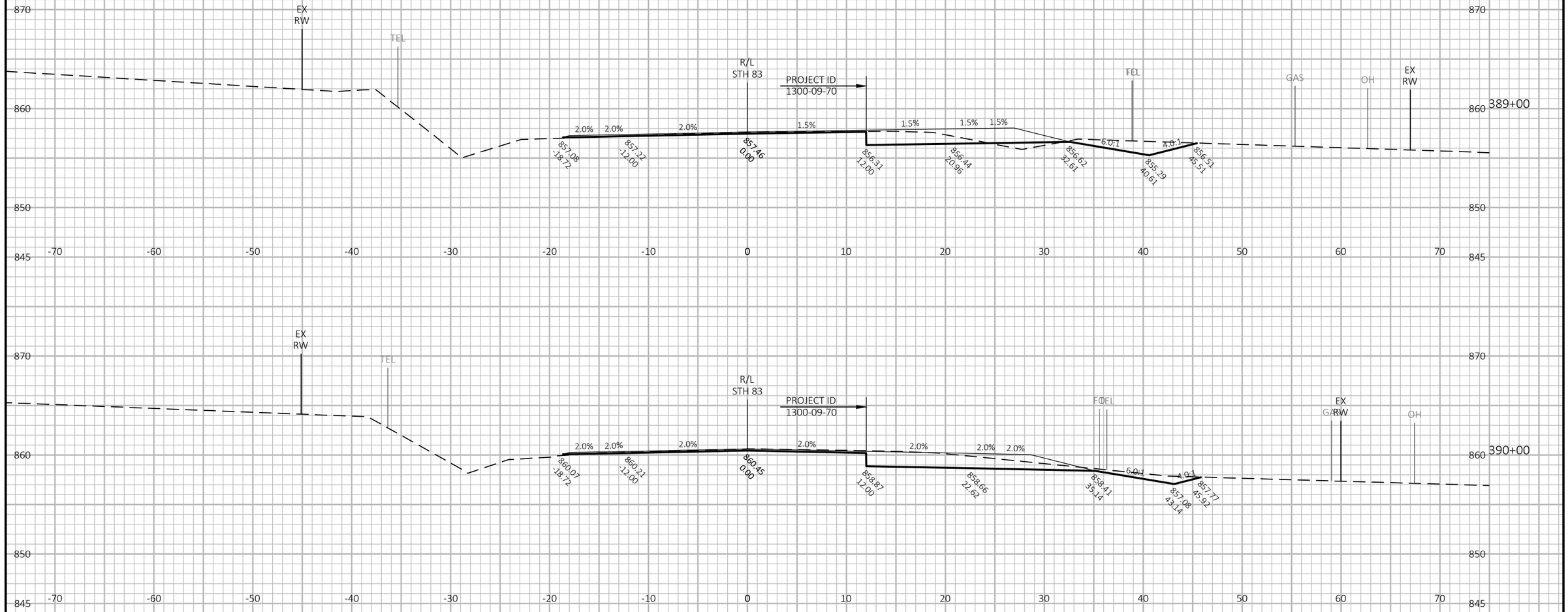
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 203	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-02-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

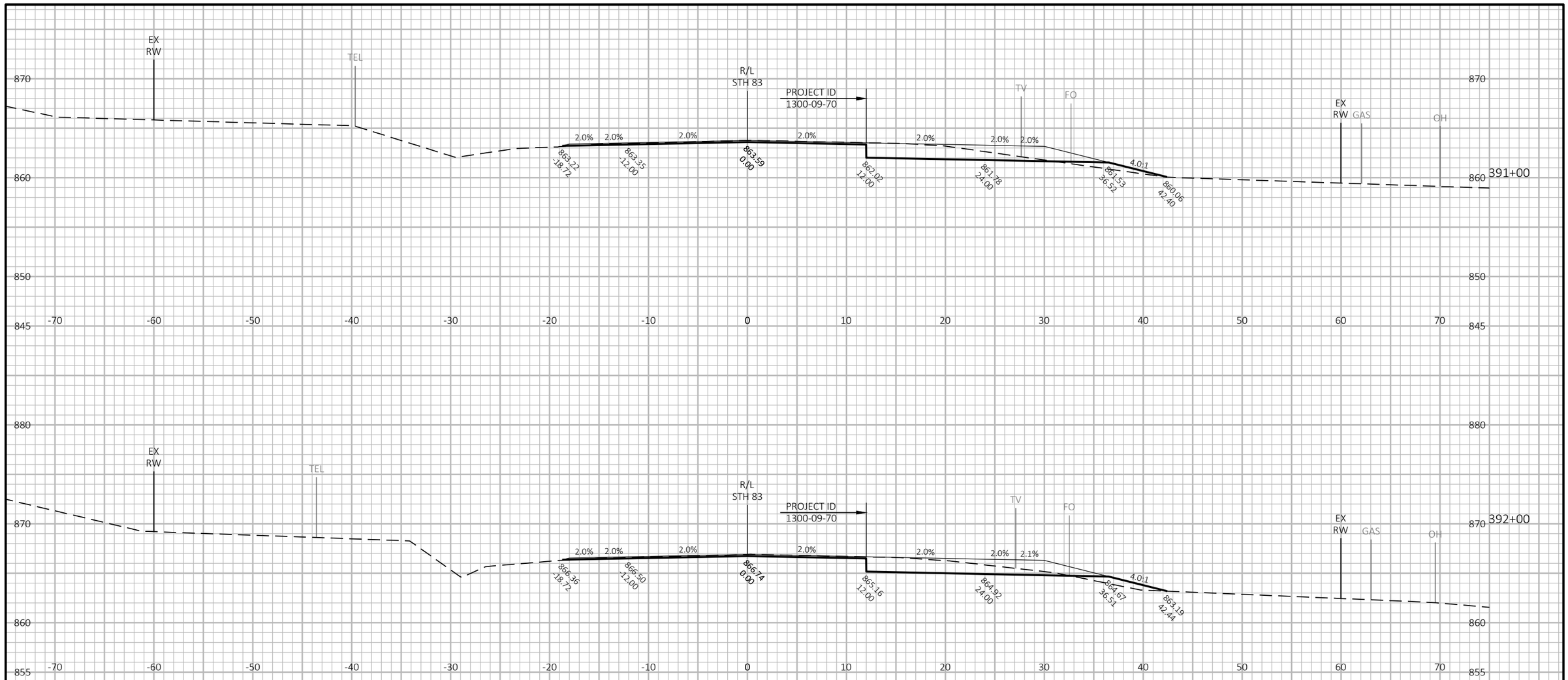
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 204	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-03-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

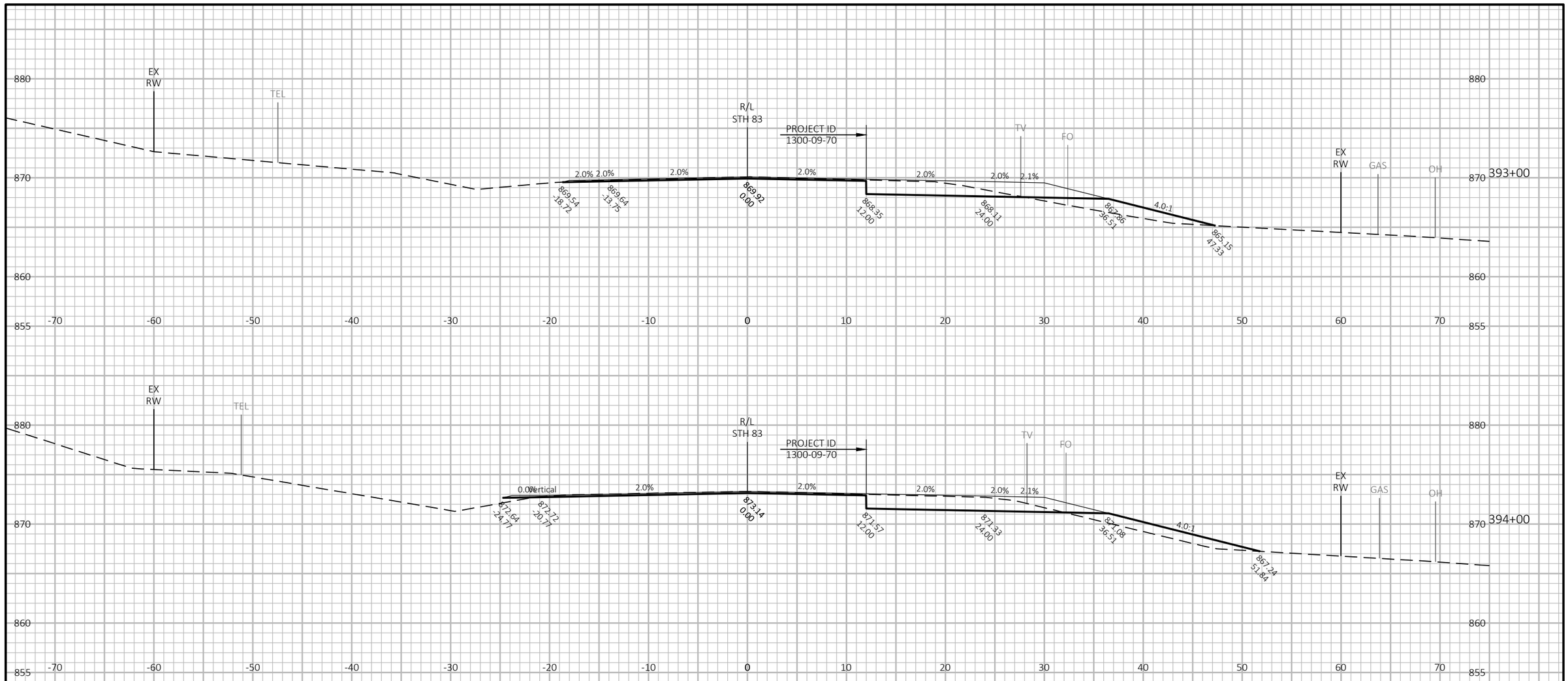


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 205	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-04-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

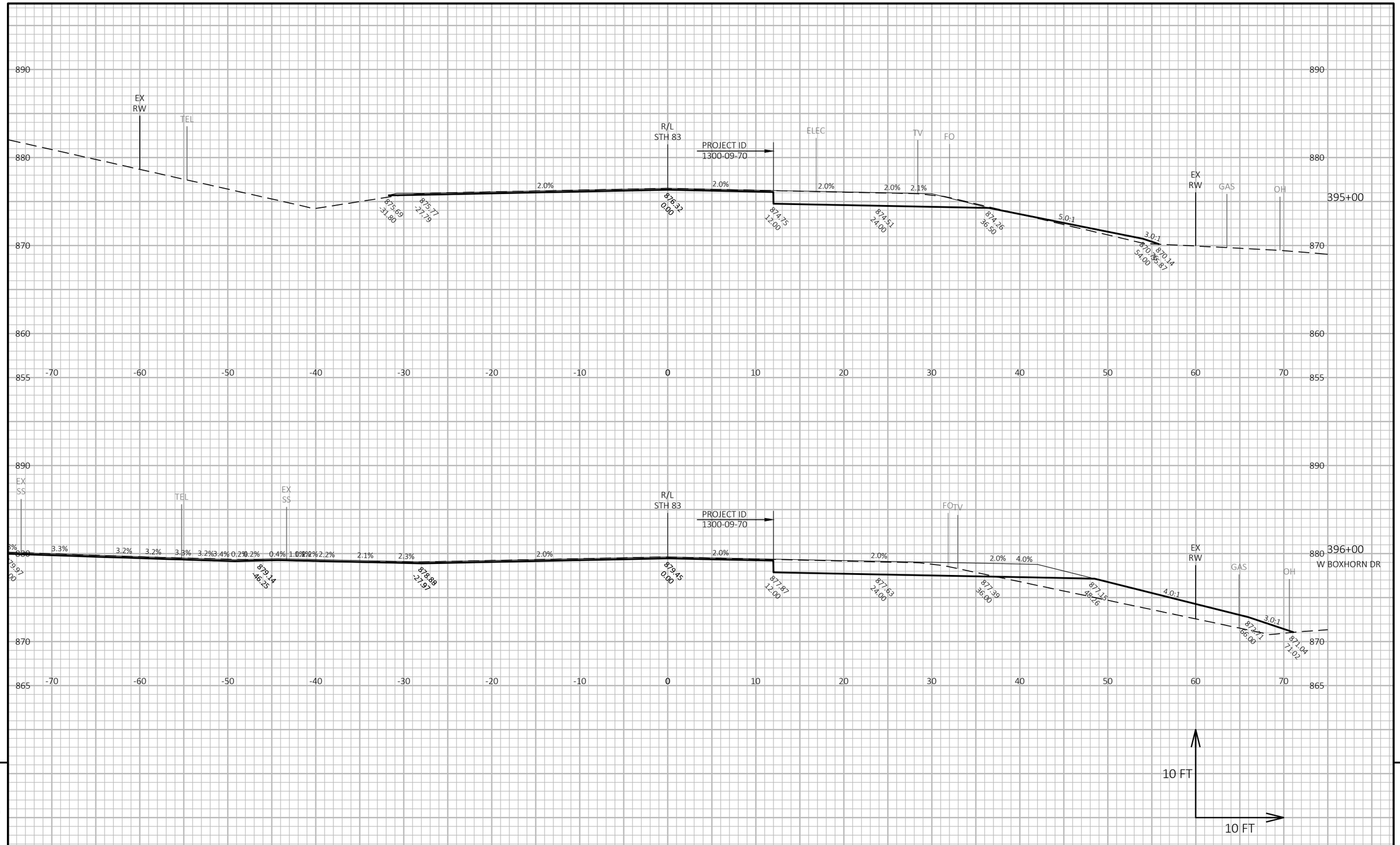
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 206	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-05-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

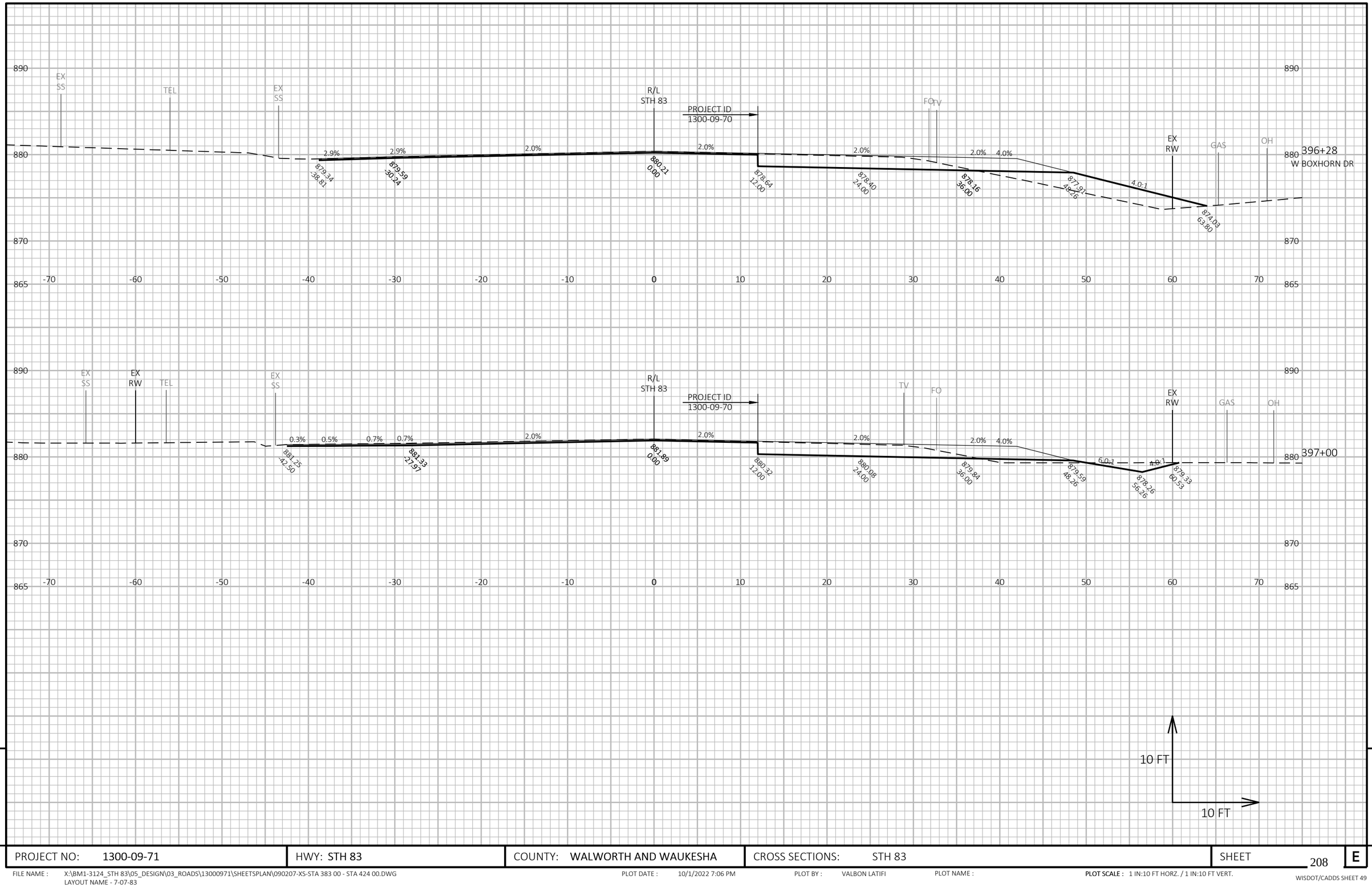


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 207	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-06-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

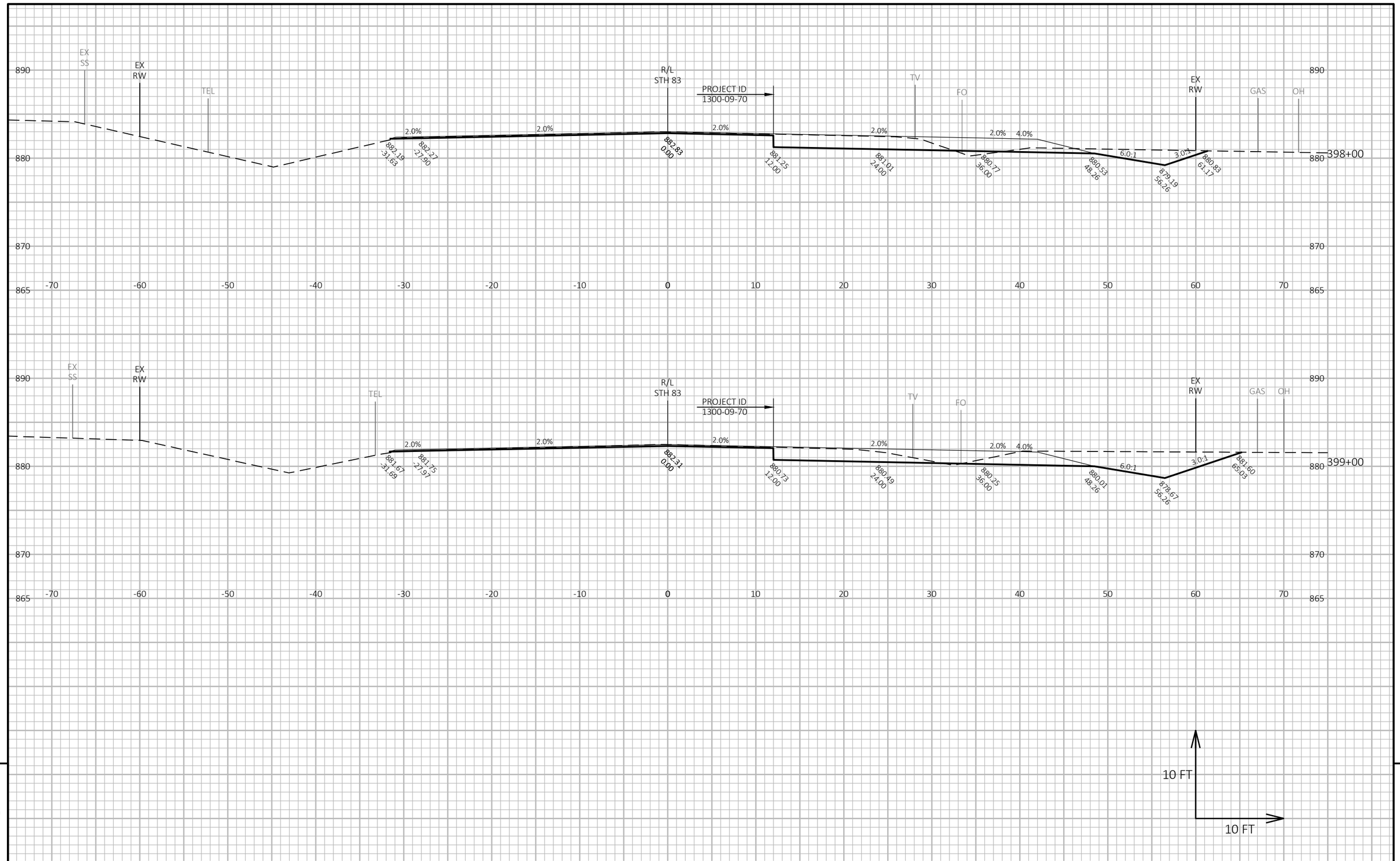


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 208	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-07-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



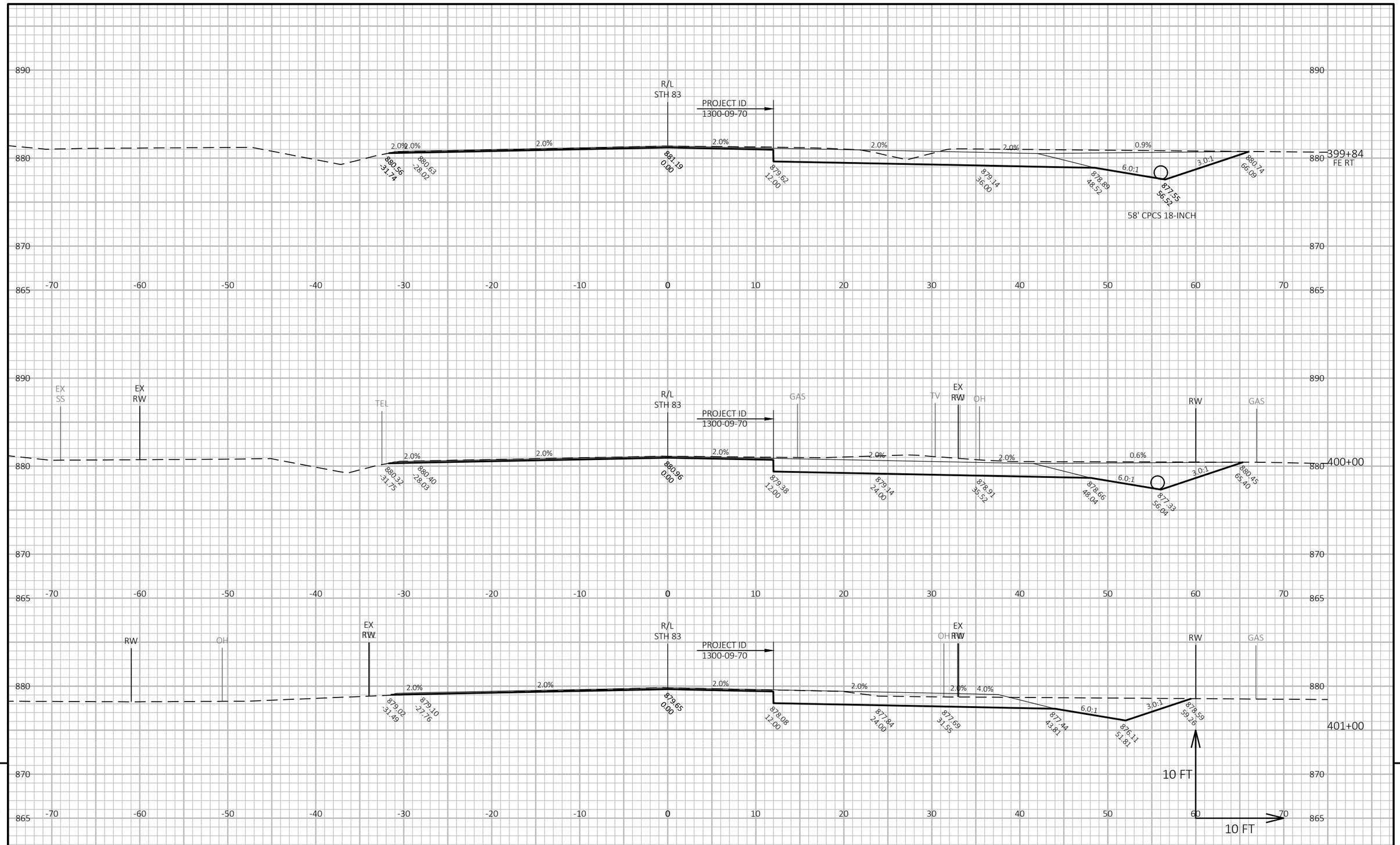
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 209	E

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LAYOUT NAME - 7-08-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

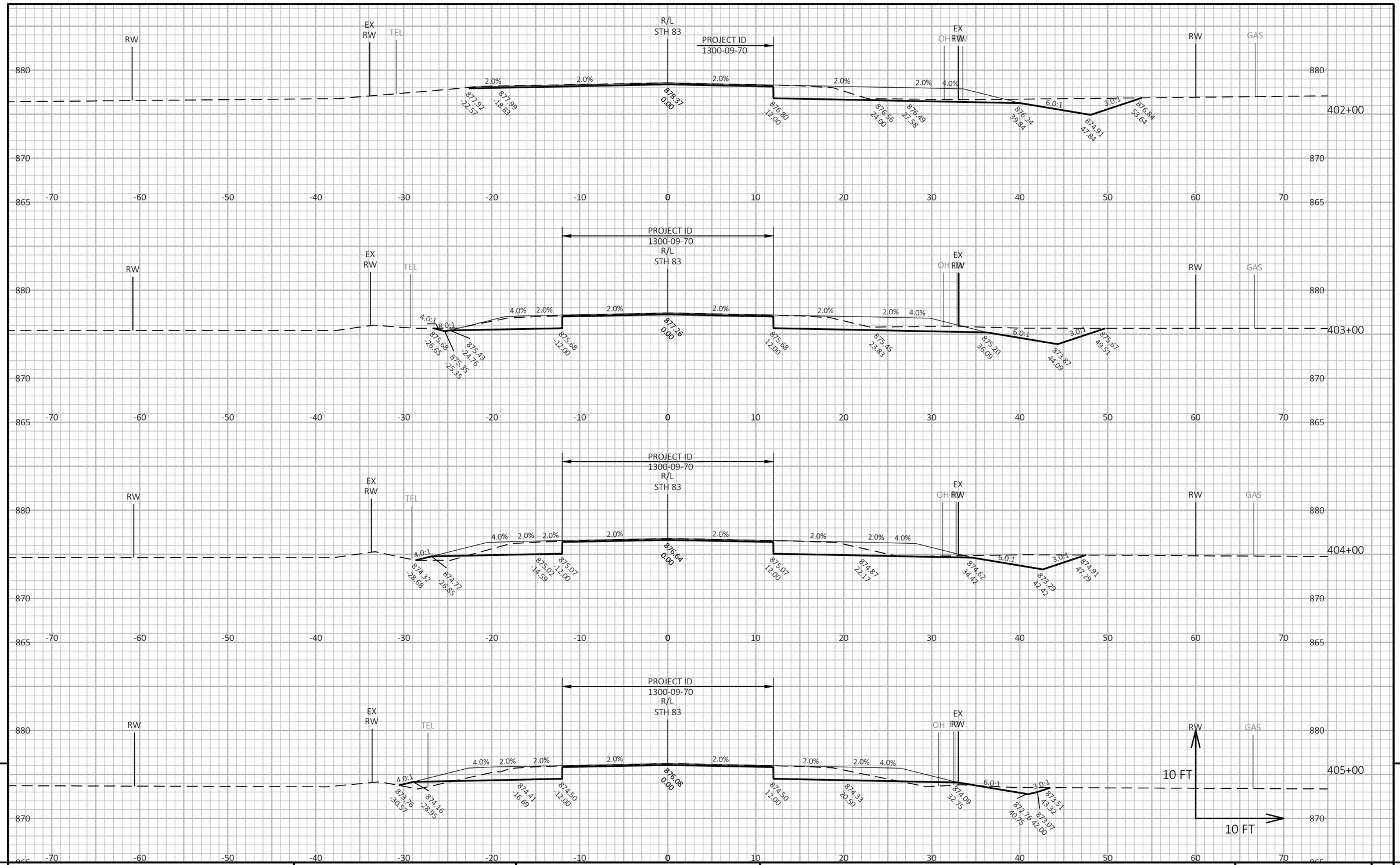


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 210 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-09-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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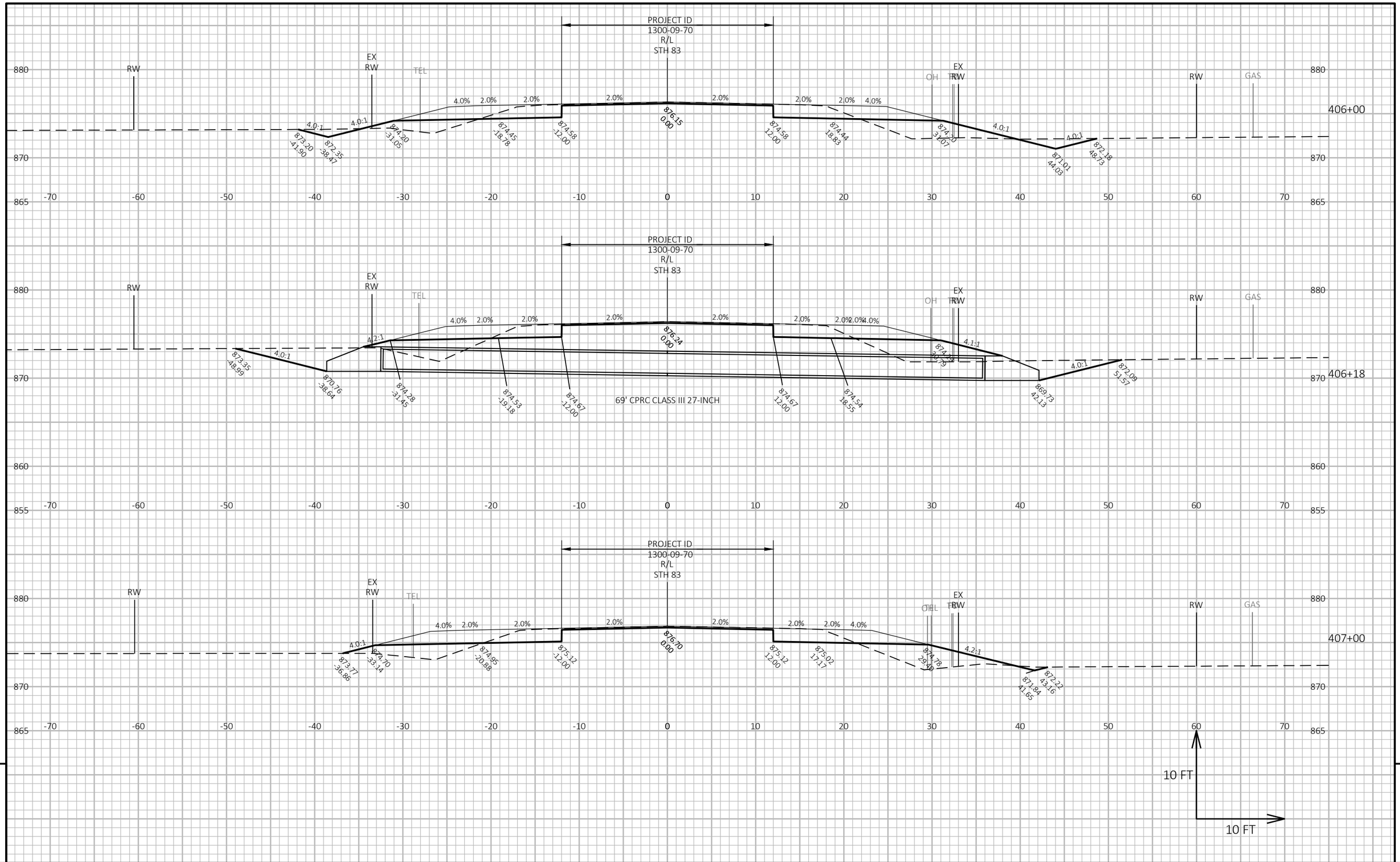
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 211	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-10-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

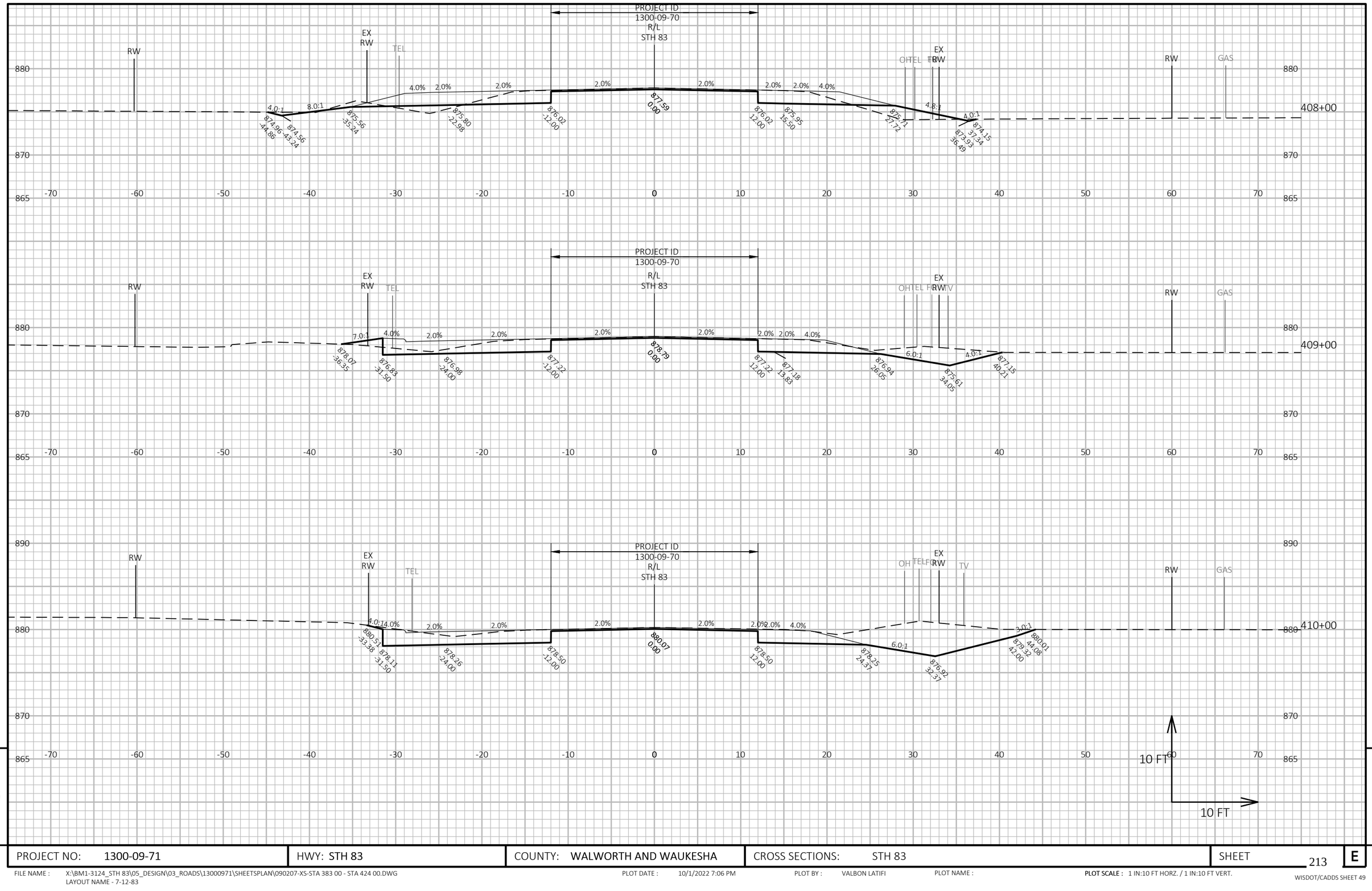


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 212 E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-11-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

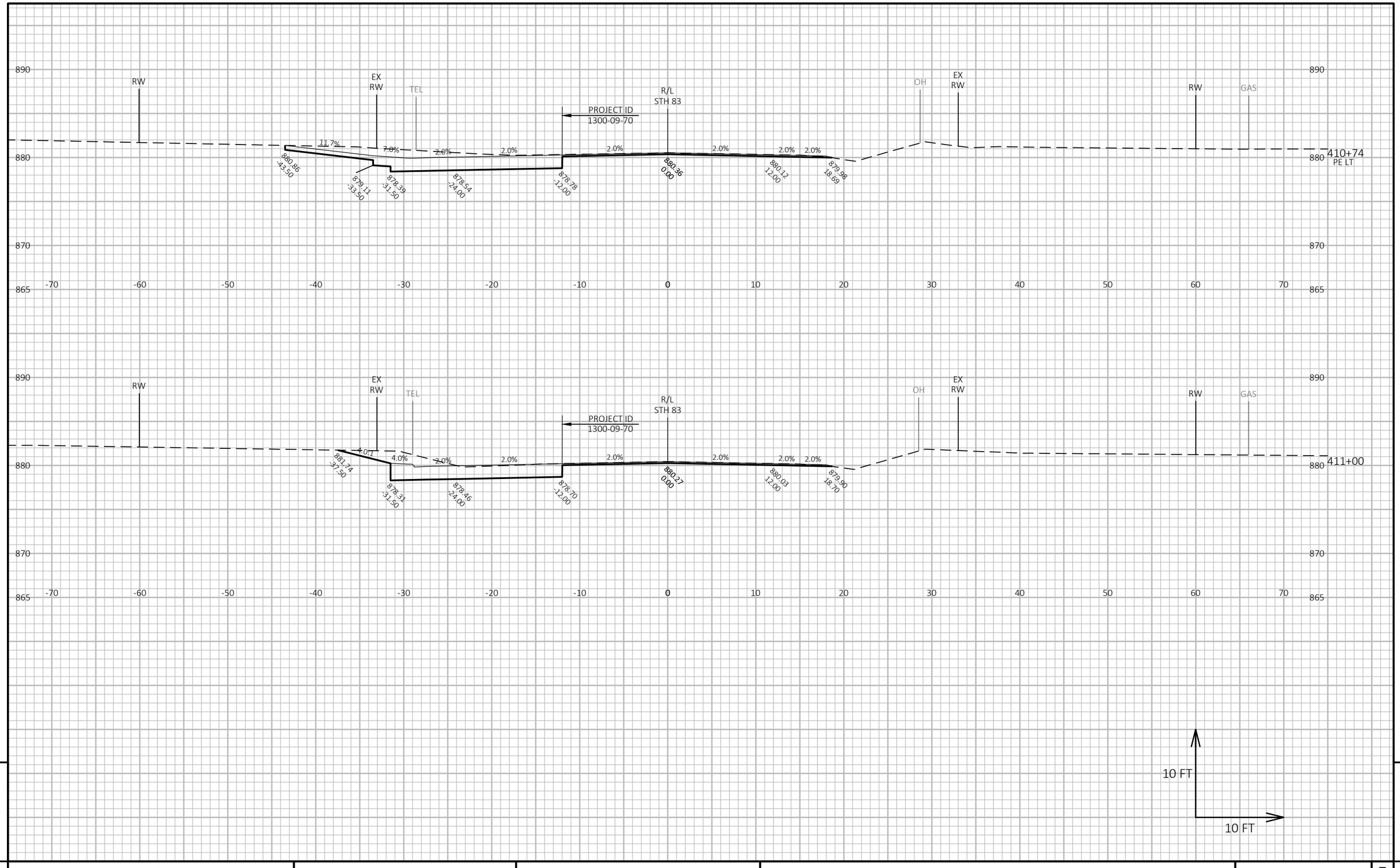
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 213	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-12-83

PLOT DATE : 10/1/2022 7:06 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



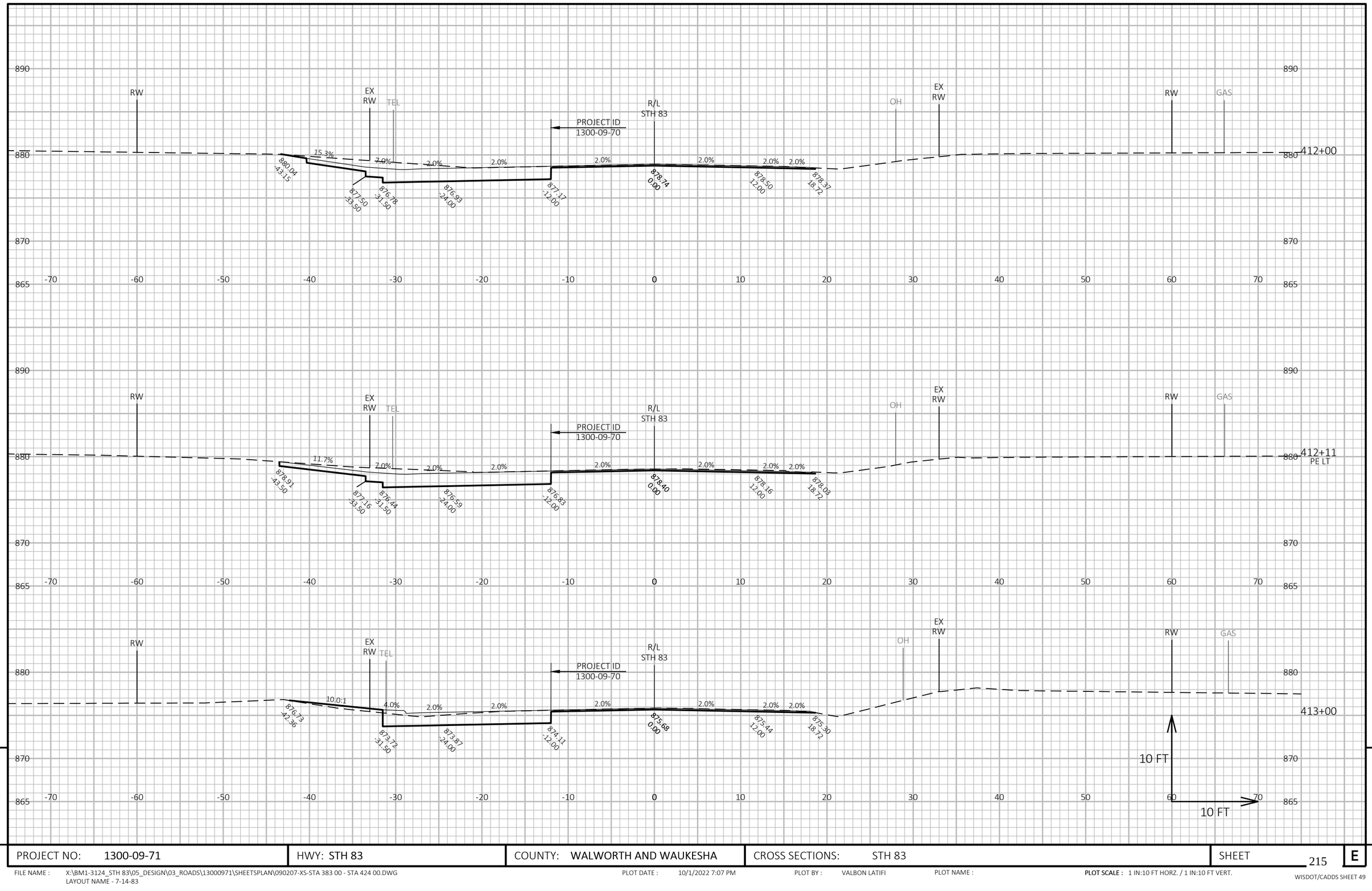
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 214	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-13-83

PLOT DATE : 10/1/2022 7:07 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

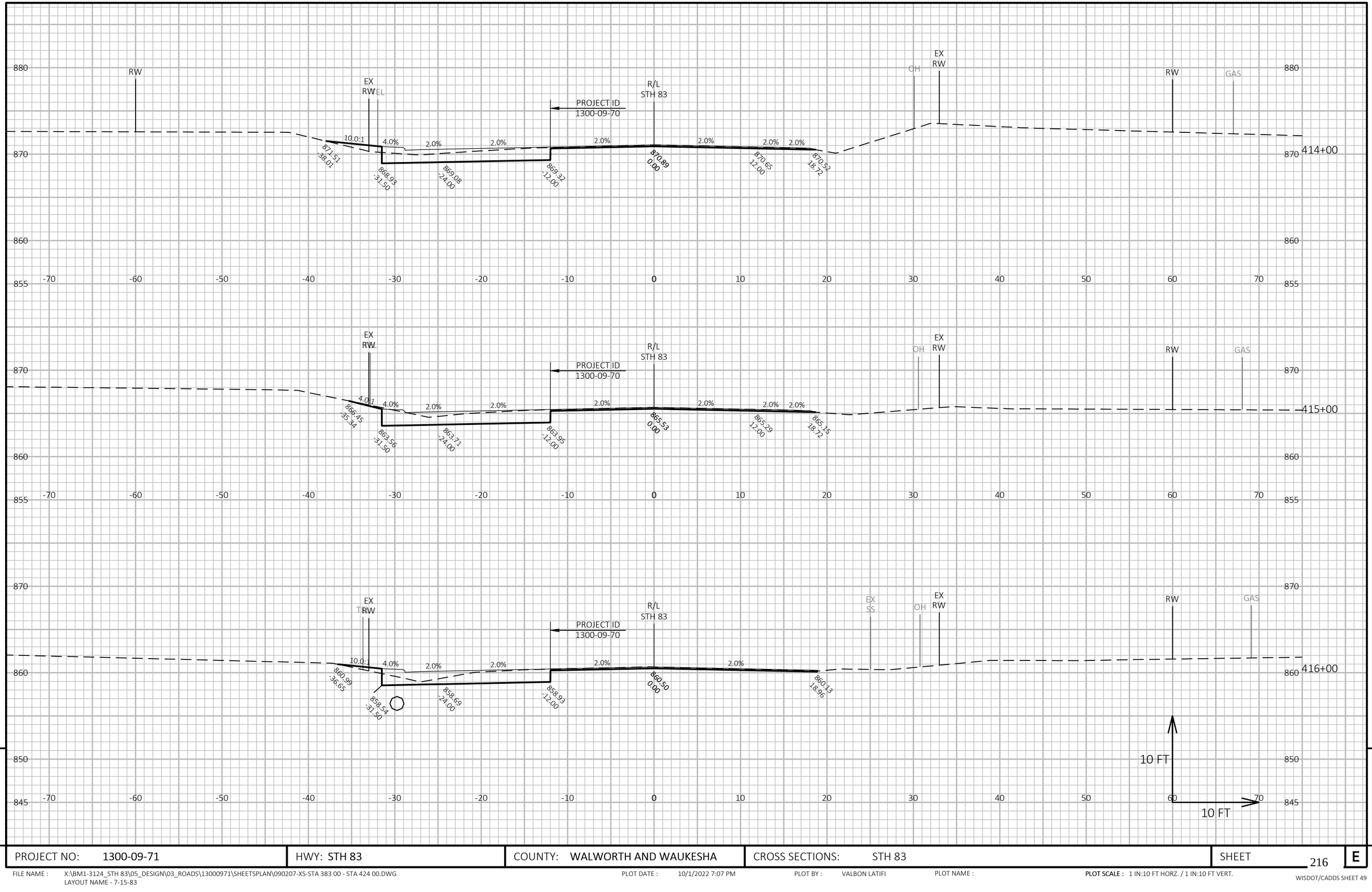


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 215	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-14-83

PLOT DATE : 10/1/2022 7:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

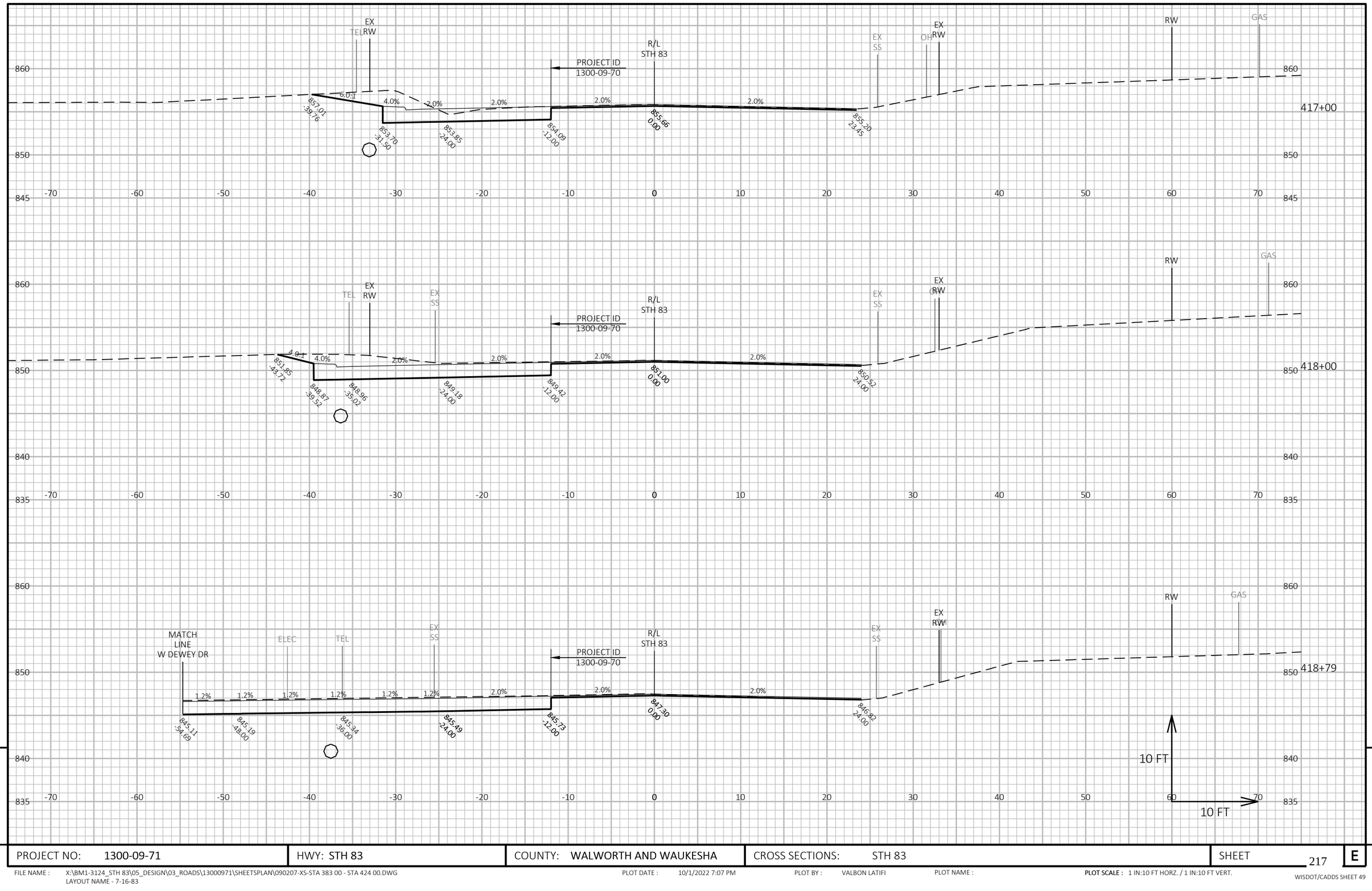


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 216	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-15-83

PLOT DATE : 10/1/2022 7:07 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

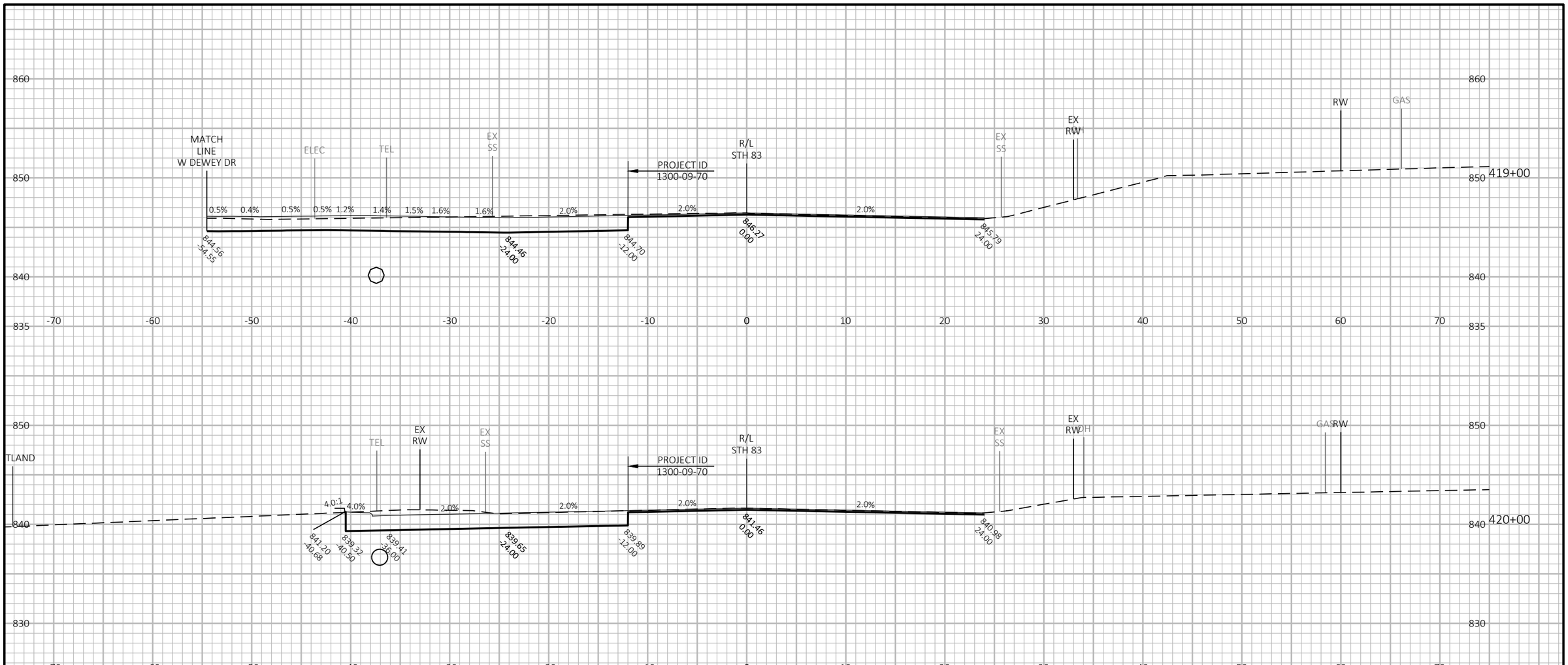
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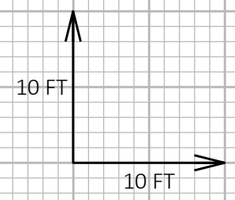
PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 217	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-16-83

PLOT DATE : 10/1/2022 7:07 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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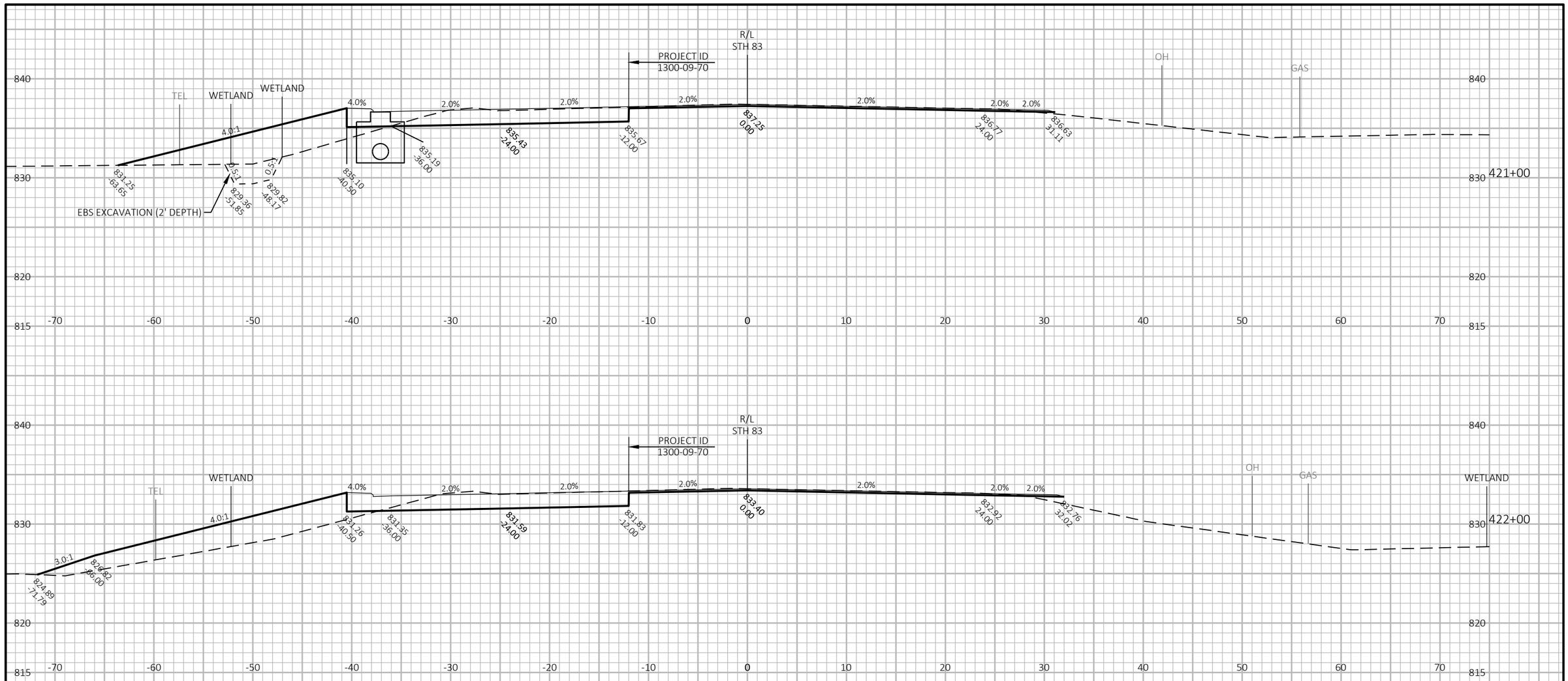
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 218	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-17-83

PLOT DATE : 10/1/2022 7:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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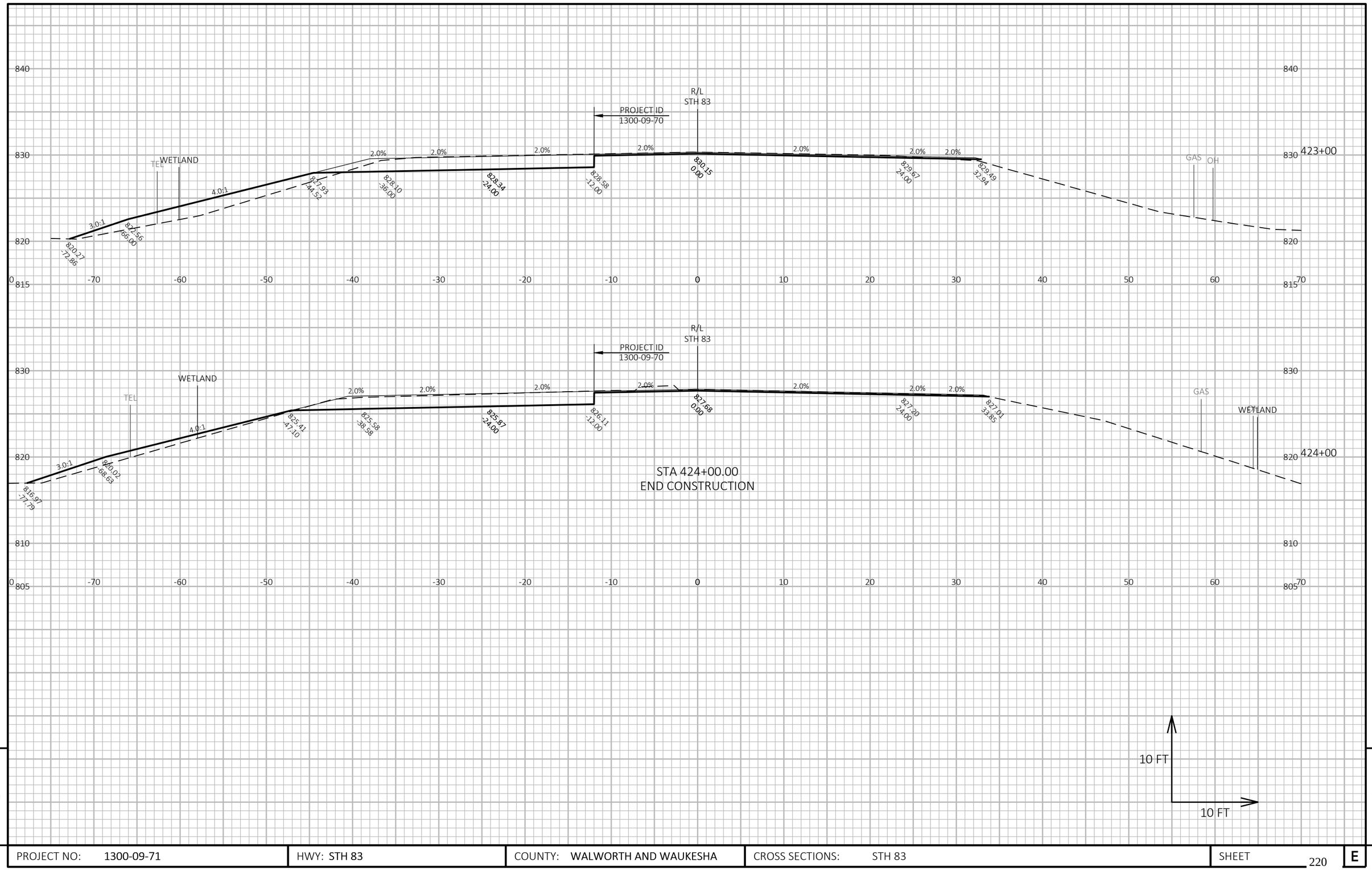
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 219	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-18-83

PLOT DATE : 10/1/2022 7:07 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

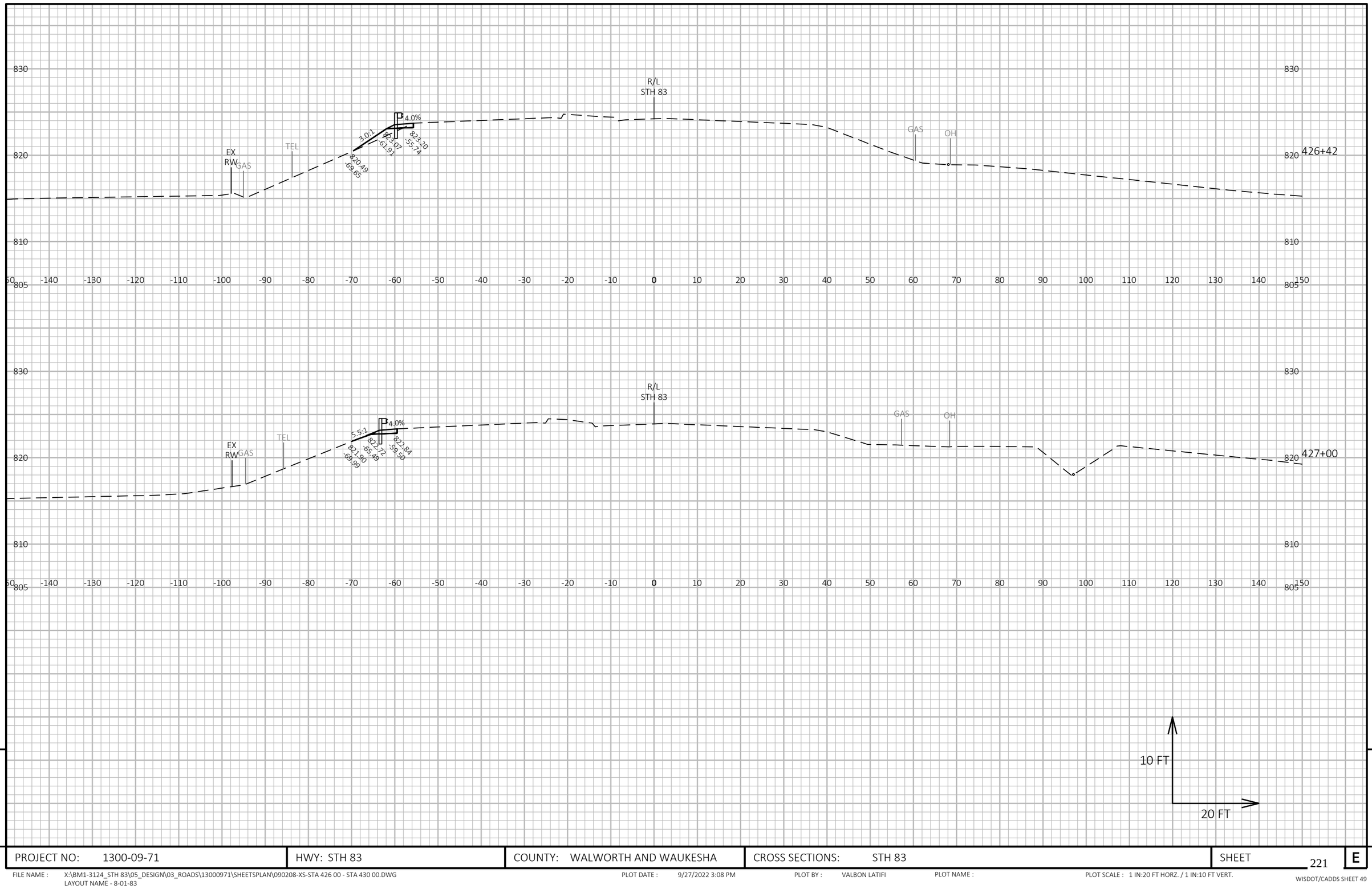


PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 220	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090207-XS-STA 383 00 - STA 424 00.DWG
LAYOUT NAME - 7-19-83

PLOT DATE : 10/1/2022 7:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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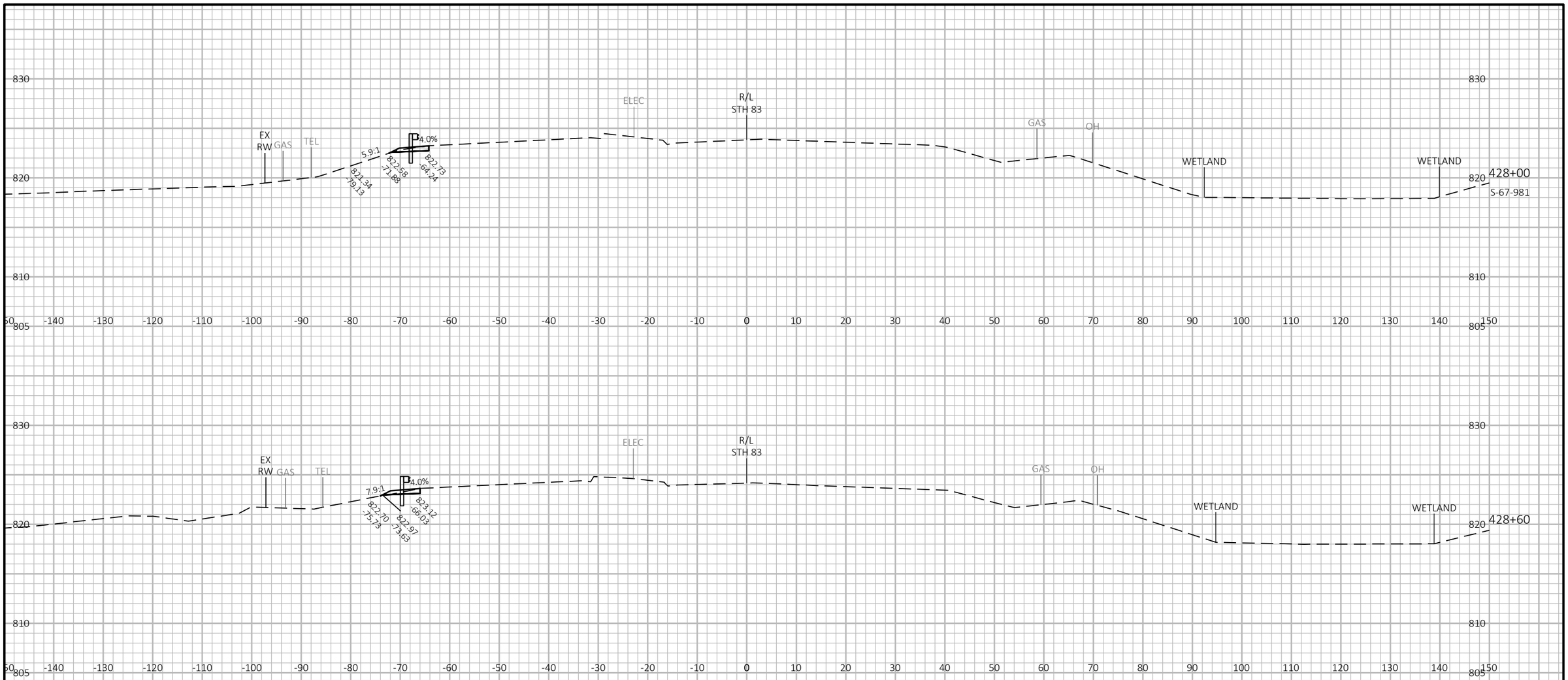
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 221	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090208-XS-STA 426 00 - STA 430 00.DWG
LAYOUT NAME - 8-01-83

PLOT DATE : 9/27/2022 3:08 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



10 FT

20 FT

9

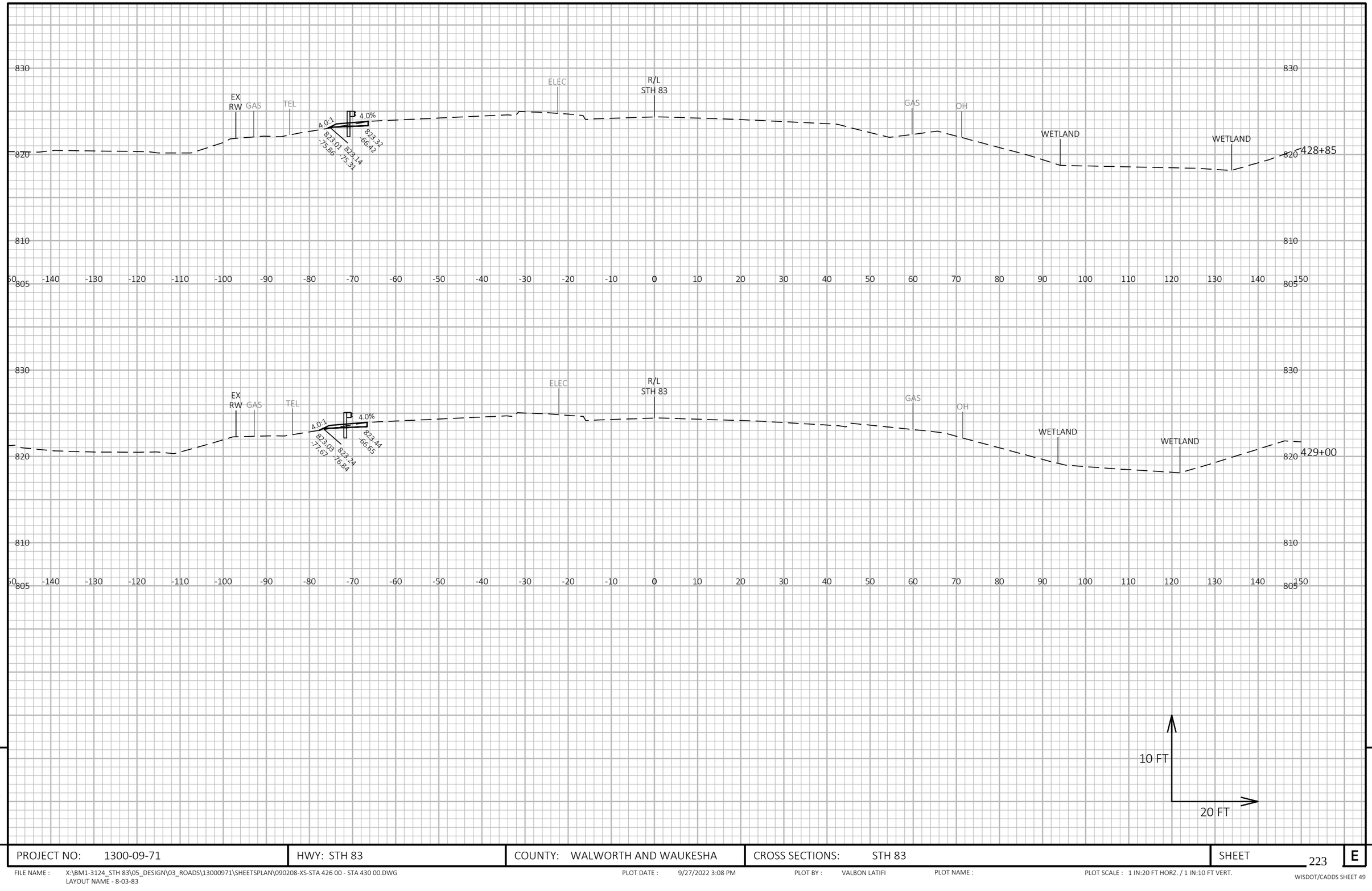
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 222	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090208-XS-STA 426 00 - STA 430 00.DWG
LAYOUT NAME - 8-02-83

PLOT DATE : 9/27/2022 3:08 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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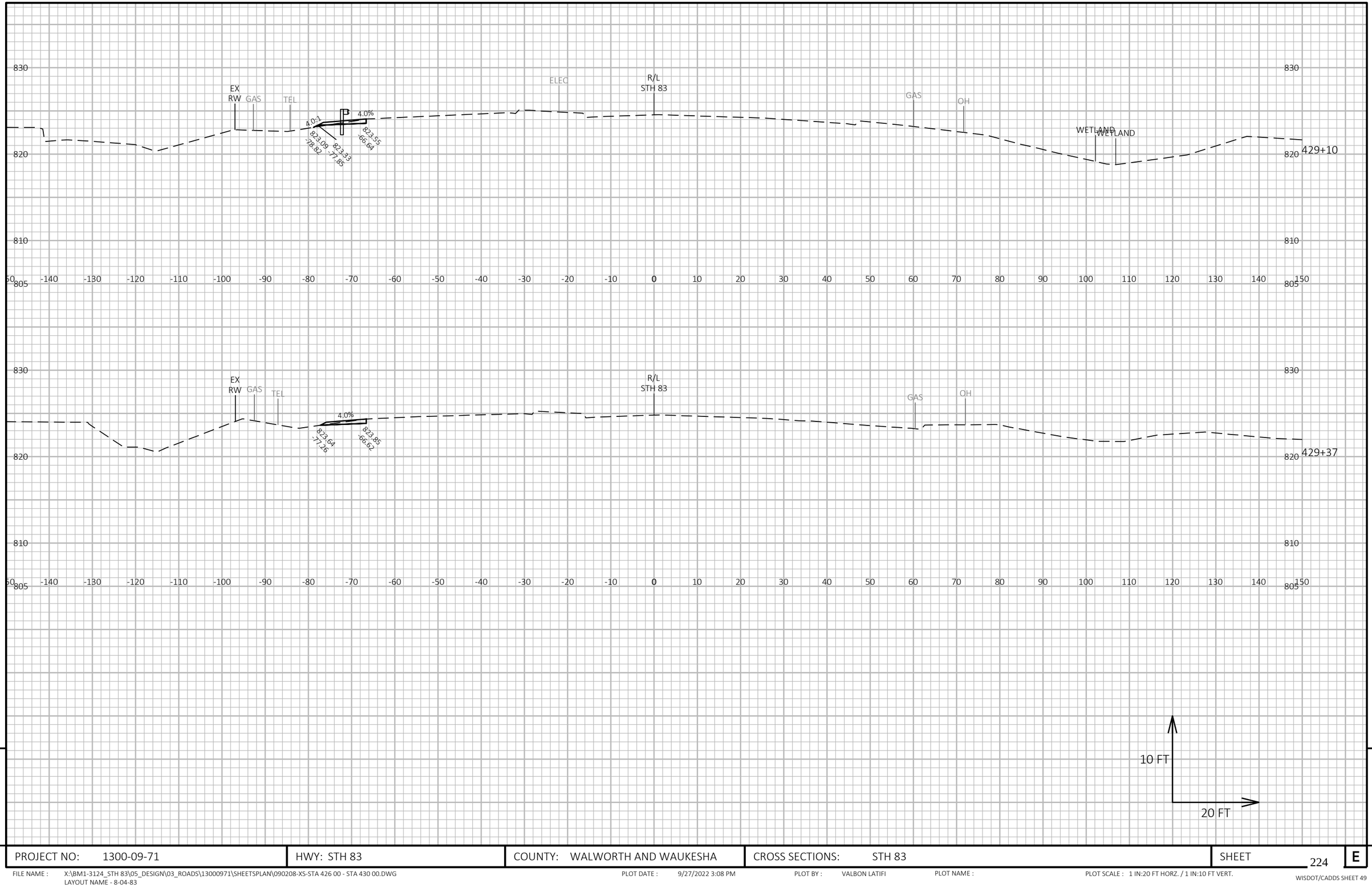
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 223	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090208-XS-STA 426 00 - STA 430 00.DWG
LAYOUT NAME - 8-03-83

PLOT DATE : 9/27/2022 3:08 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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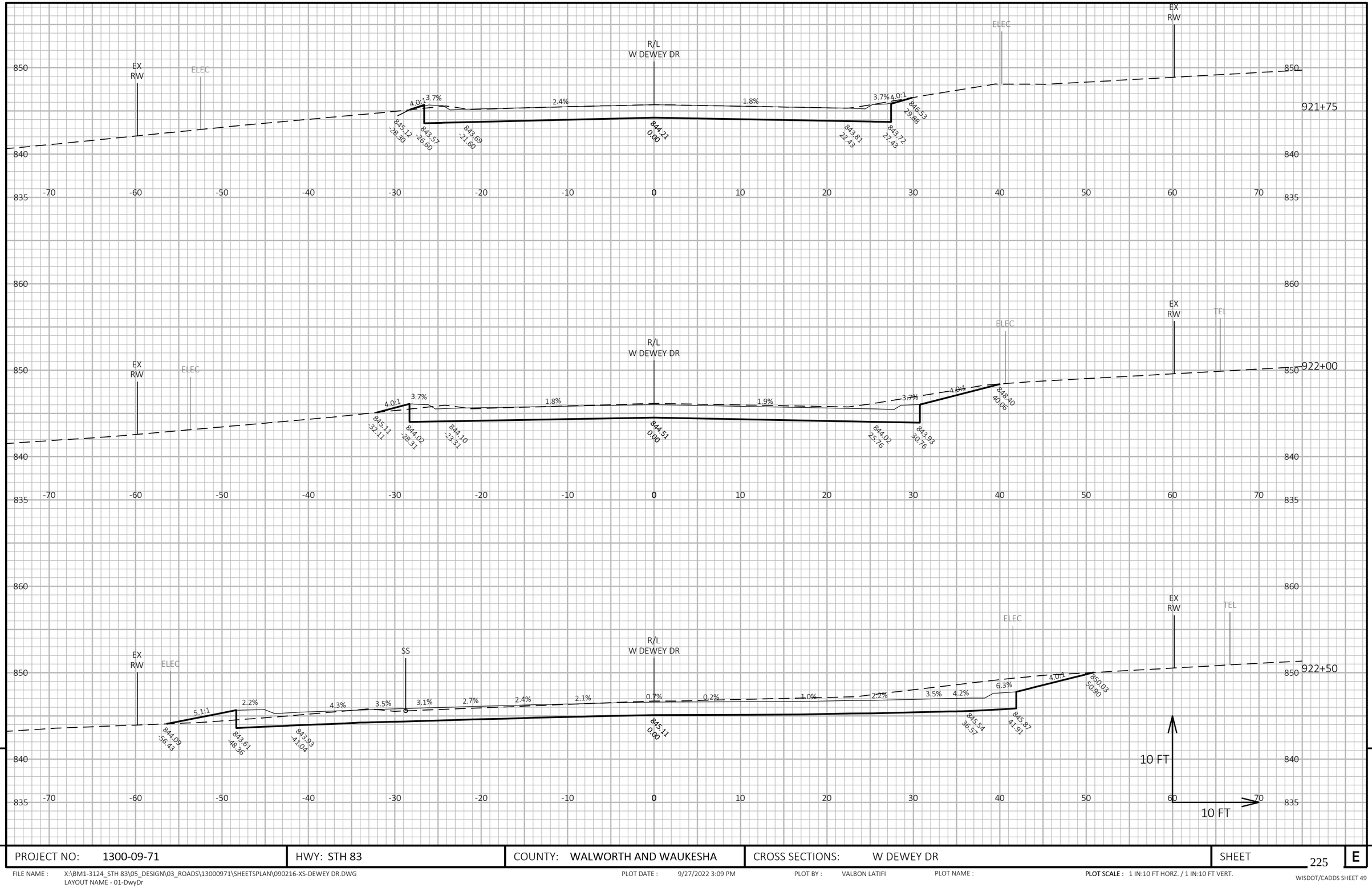
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PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: STH 83	SHEET 224	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090208-XS-STA 426 00 - STA 430 00.DWG
LAYOUT NAME - 8-04-83

PLOT DATE : 9/27/2022 3:08 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1300-09-71	HWY: STH 83	COUNTY: WALWORTH AND WAUKESHA	CROSS SECTIONS: W DEWEY DR	SHEET 225	E

FILE NAME : X:\BM1-3124_STH 83\05_DESIGN\03_ROADS\13000971\SHEETSPLAN\090216-XS-DEWEY DR.DWG
LAYOUT NAME - 01-DwyDr

PLOT DATE : 9/27/2022 3:09 PM PLOT BY : VALBON LATIFI PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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