GRE

NOVEMBER 2023

PROJECT ID: 6430-20-71

COUNTY: OUTAGAMIE

ORDER OF SHEETS

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

TOTAL SHEETS = 254

26

N

DESIGN DESIGNATION

A.A.D.T.	(2024)	=	10,400
A.A.D.T.	(2044)	=	14,500
D.H.V.		=	1500
D.D.		=	50/50
T (AADT)		=	7.1%
DESIGN SPEED		=	50 MPH
ESALS		=	3,000,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'ER)
- 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

STH 96 - STH 15

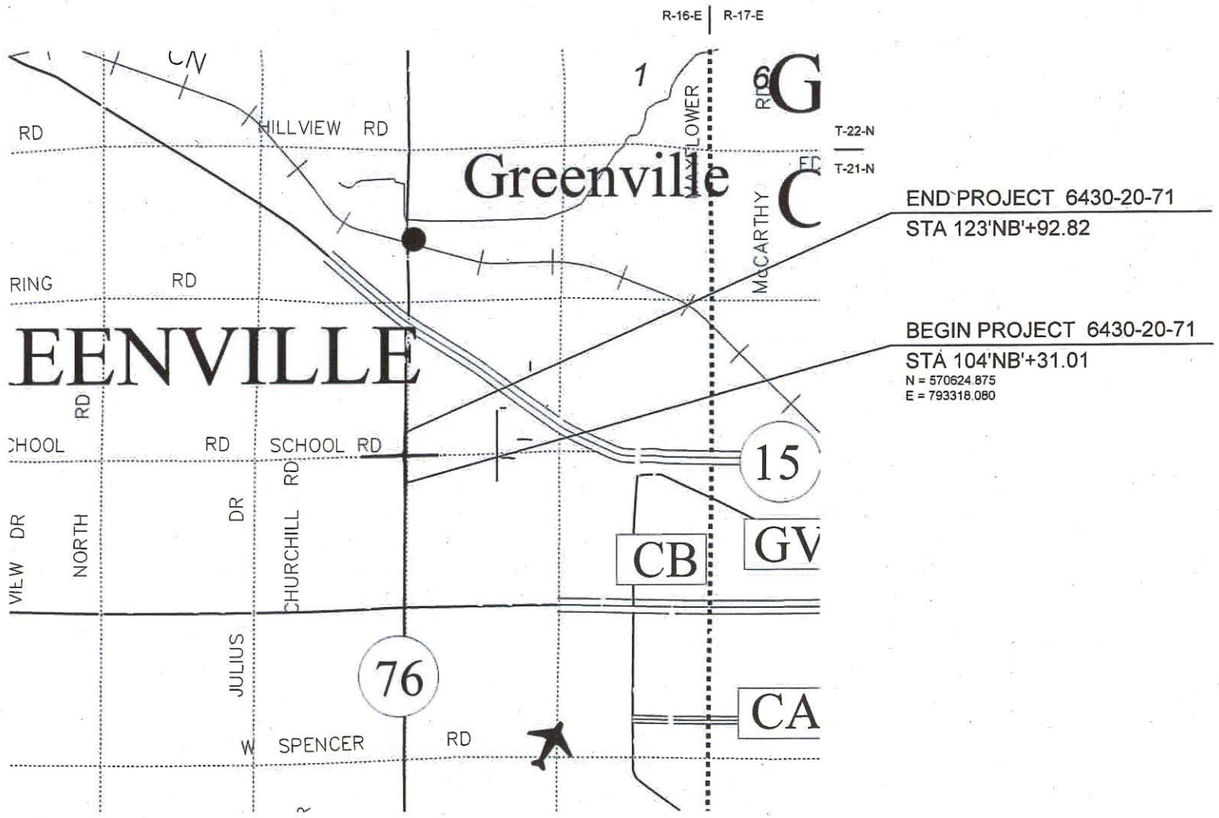
SCHOOL ROAD INTERSECTION

STH 76

OUTAGAMIE

STATE PROJECT NUMBER
6430-20-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6430-20-71	WISC 2024048	1



END PROJECT 6430-20-71
STA 123'NB'+92.82

BEGIN PROJECT 6430-20-71
STA 104'NB'+31.01
N = 570624.875
E = 793318.080

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.372 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), OUTAGAMIE COUNTY, NAD83 (HYEAR), 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 (HYEAR). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY

Westwood

WISCONSIN

MICHAEL A. MALCOLM E-30025 Appleton, WI PROFESSIONAL ENGINEER

DATE: 7-27-2023 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	R. E. LEE
Designer	WESTWOOD
Project Manager	JESSE HANSEN, PE
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	TAMMY RABE, PE

APPROVED FOR THE DEPARTMENT

DATE: 7/27/23 (Signature)

E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-010101-TI.DWG

PLOT DATE : 5/24/2023 12:55 PM PLOT BY : BRANDI SWANSON PLOT NAME :

GENERAL NOTES

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

THE EXACT CONSTRUCTION LIMITS AND LOCATIONS OF ALL ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND THE ENGINEER IN THE FIELD.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

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

A SAWED JOINT IS REQUIRED WHERE NEW PAVEMENT MEETS AN EXISTING PAVED SURFACE.

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

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
UTILITY PLAN
PLANTING
PERMANENT SIGNING
LIGHTING PLAN
PERMANENT MARKING
TRAFFIC CONTROL
STAGE CONSTRUCTION
DETOURS
ALIGNMENT DETAILS

UTILITIES CONTACTS

KYLE WEBER
AT&T WISCONSIN - COMMUNICATION LINE
221 W WASHINGTON ST
APPLETON, WI 54911
(920) 221-5969
KW715@ATT.COM

CODY SIMONIS
GREENVILLE SANITARY DISTRICT NO. 1 - SEWER
W6860 PARKVIEW DR
GREENVILLE, WI 54942
(920) 757-7276
CSIMONIS@GREENVILLEWI.COM

CODY SIMONIS
GREENVILLE SANITARY DISTRICT NO. 1 - WATER
W6860 PARKVIEW DR
GREENVILLE, WI 54942
(920) 757-7276
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RICK VINCENT
NET LEC LLC - COMMUNICATION LINE
45O SECURITY BLVD
P.O. BOX 19079
GREEN BAY, WI 54307-9079
(920) 617-7316
RICK.VINCENT@NSIGHT.COM

VINCE ALBIN
SPECTRUM- COMMUNICATION LINE
3545 PLANK RD
APPLETON, WI 54915
(920) 831-9249
VINCE.ALBIN@CHARTER.NET

REIJO MURTO
WE ENERGIES - ELECTRICITY
800 S. LYNNDALE DR.
APPLETON, WI, 54914
(921) 380-3369
REIJO.MURTO@WE-ENERGIES.COM

CODY BECKMAN
WE ENERGIES - GAS/PETROLEUM
800 S. LYNNDALE DRIVE
APPLETON, WI, 54914
(922) 380-3422

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

DNR LIASION

MATT SCHAEVE
DNR NORTHEAST REGIONAL HEADQUARTERS
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
PHONE: 920-662-5472
MATTHEW.SCHAEVE@WISCONSIN.GOV

COUNTY HIGHWAY COMMISSIONER

DEAN STEINGRABER
1313 HOLLAND RD
APPLETON, WI 54911-8946
920-832-5673
DEAN.STEINGRABER@OUTAGAME.ORG

NE REGION SURVEY COORDINATOR

CORMAC MCINNIS, RLS
944 VANDERPERREN WAY
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(920)492-5638
CORMAC.MCINNIS@DOT.WI.GOV

WISDOT PROJECT MANAGER

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WISDOT NORTHEAST REGION
944 VANDERPERREN WAY
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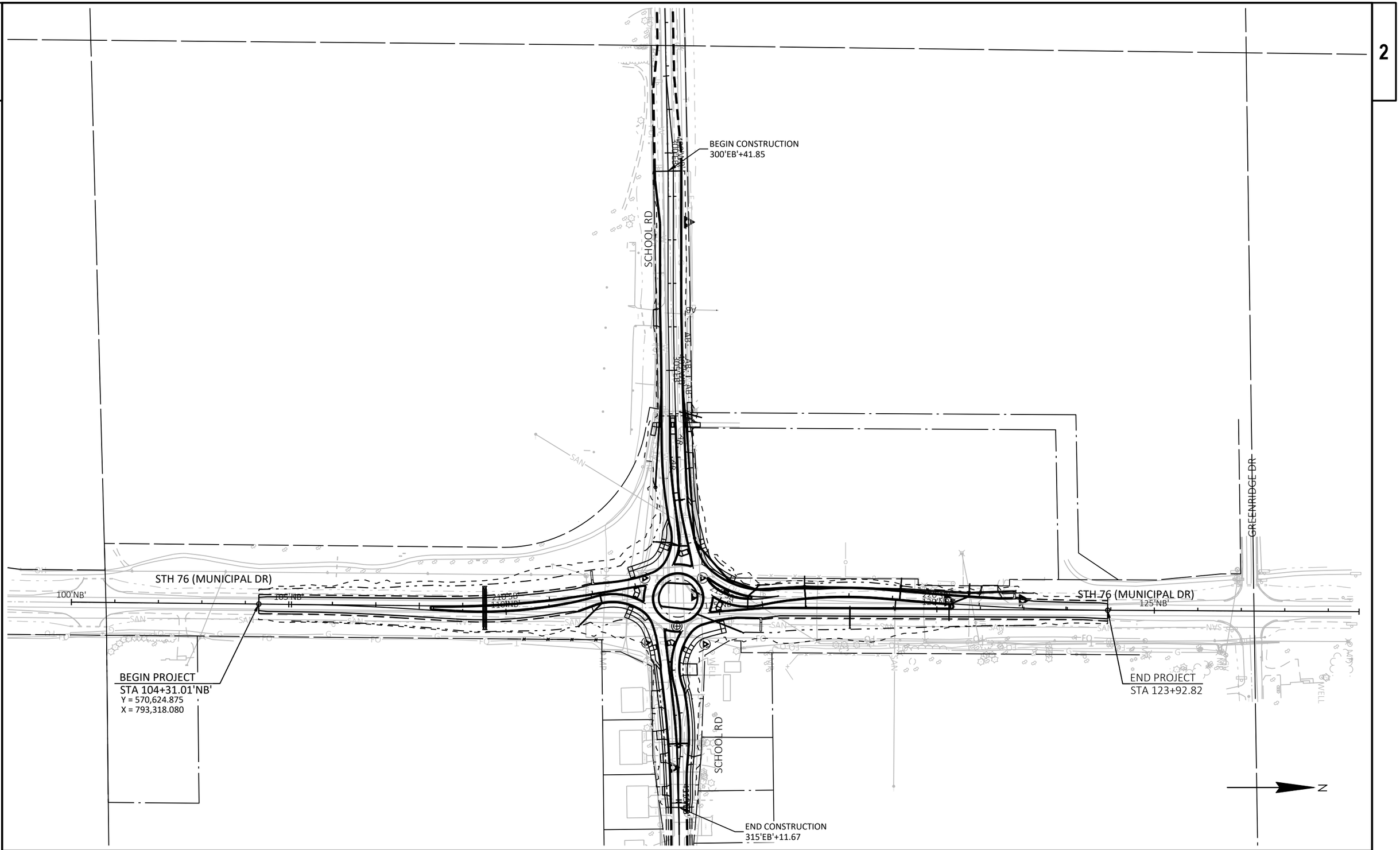
JESSE.HANSEN@DOT.WI.GOV

2



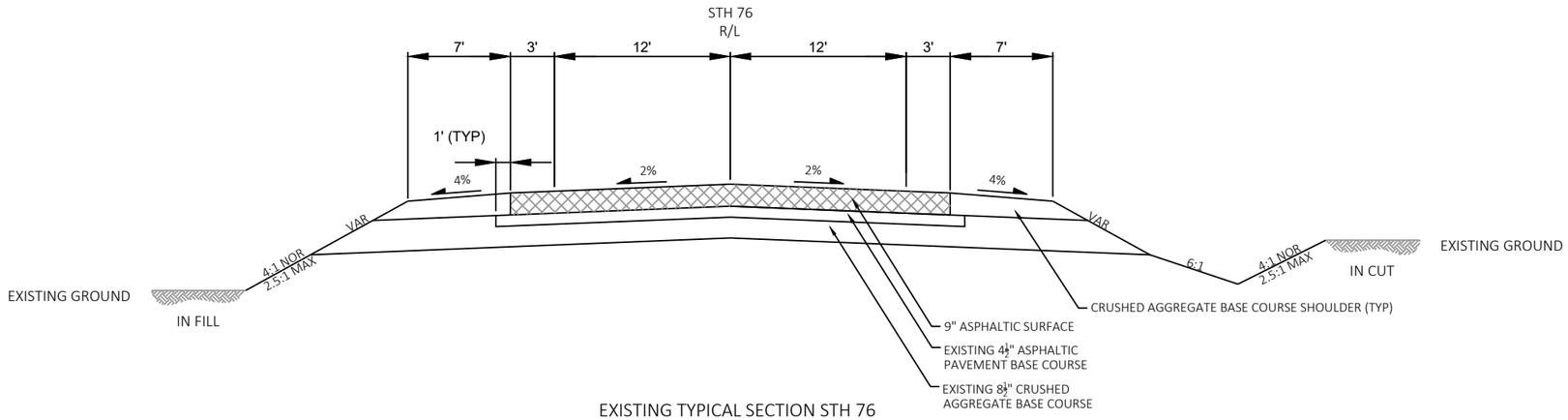
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-020101-PO.DWG
LAYOUT NAME - 643020-020101-po

PLOT DATE : 6/1/2023 10:22 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:200 FT

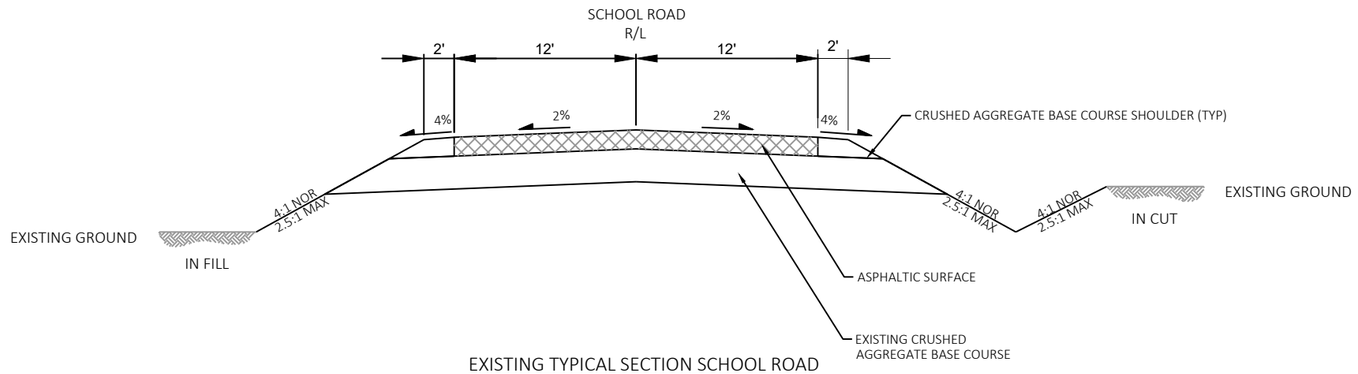
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION STH 76

STA 104+31 TO STA 123+89

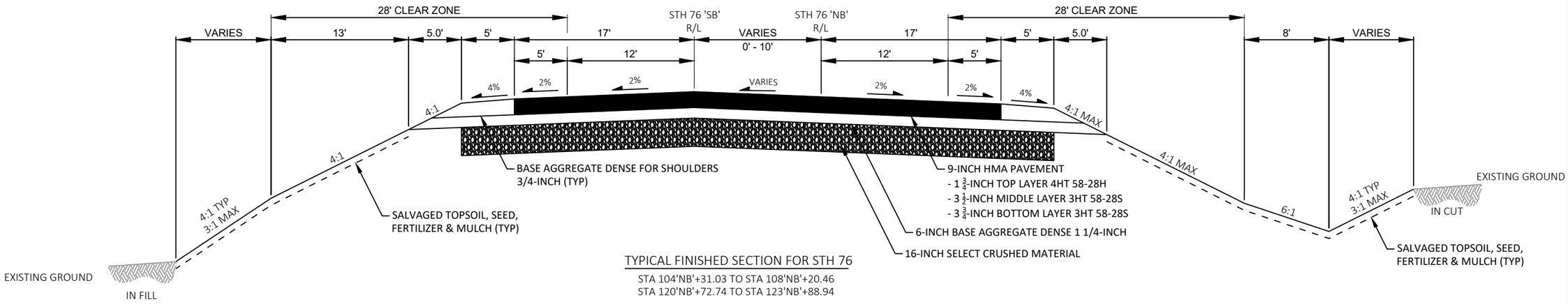


EXISTING TYPICAL SECTION SCHOOL ROAD

STA 300+56 TO STA 315+12

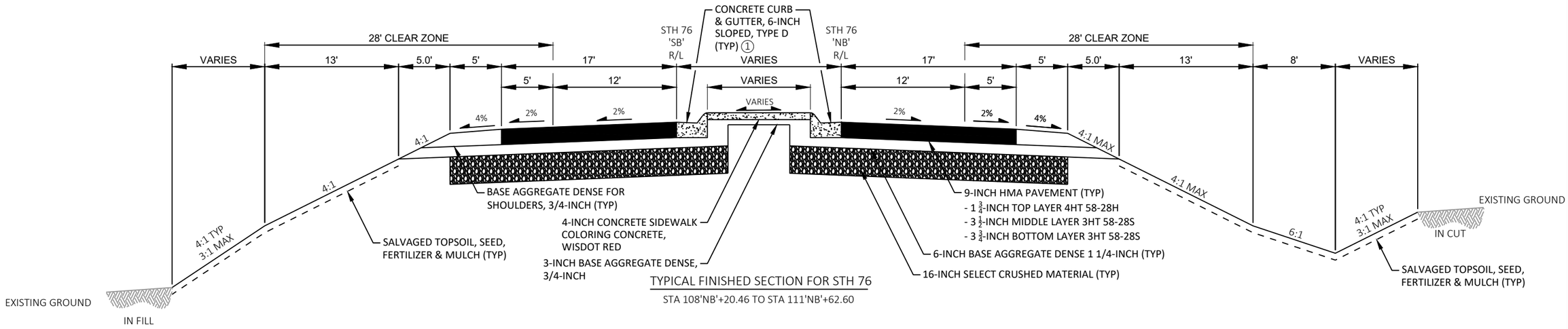
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	TYPICAL SECTIONS - EXISTING	SHEET 4	E

① GUTTER THICKNESS TO MATCH HMA PAVEMENT THICKNESS



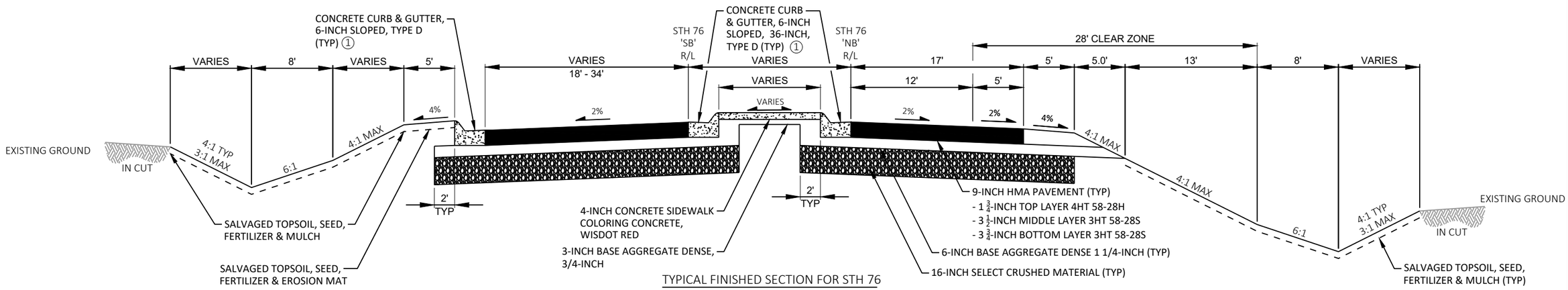
TYPICAL FINISHED SECTION FOR STH 76

STA 104'NB'+31.03 TO STA 108'NB'+20.46
STA 120'NB'+72.74 TO STA 123'NB'+88.94



TYPICAL FINISHED SECTION FOR STH 76

STA 108'NB'+20.46 TO STA 111'NB'+62.60

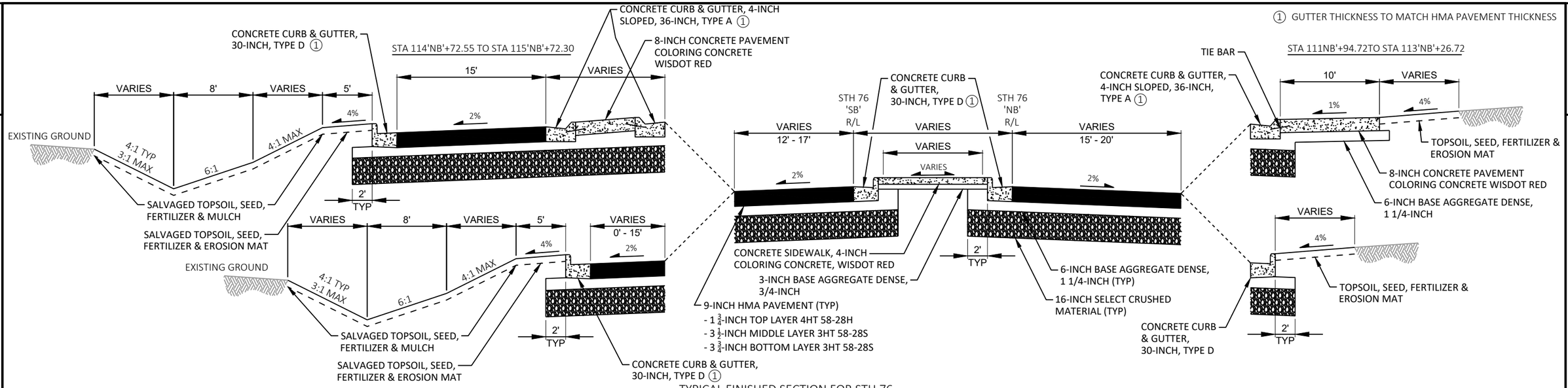


TYPICAL FINISHED SECTION FOR STH 76

STA 115NB'+88.23 TO STA 120'NB'+72.74

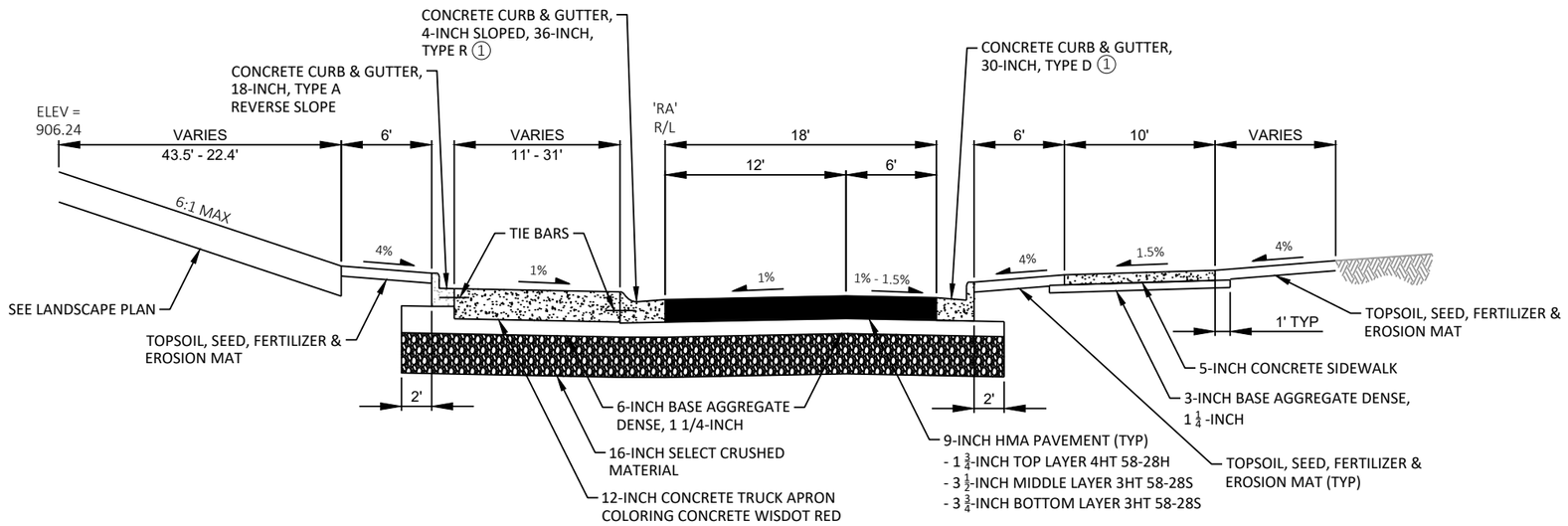
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	TYPICAL SECTIONS - PROPOSED	SHEET 5	E

① GUTTER THICKNESS TO MATCH HMA PAVEMENT THICKNESS



TYPICAL FINISHED SECTION FOR STH 76

STA 111'NB'+62.60 TO STA 113'NB'+26.76
STA 114'NB'+72.55 TO STA 115'NB'+88.23



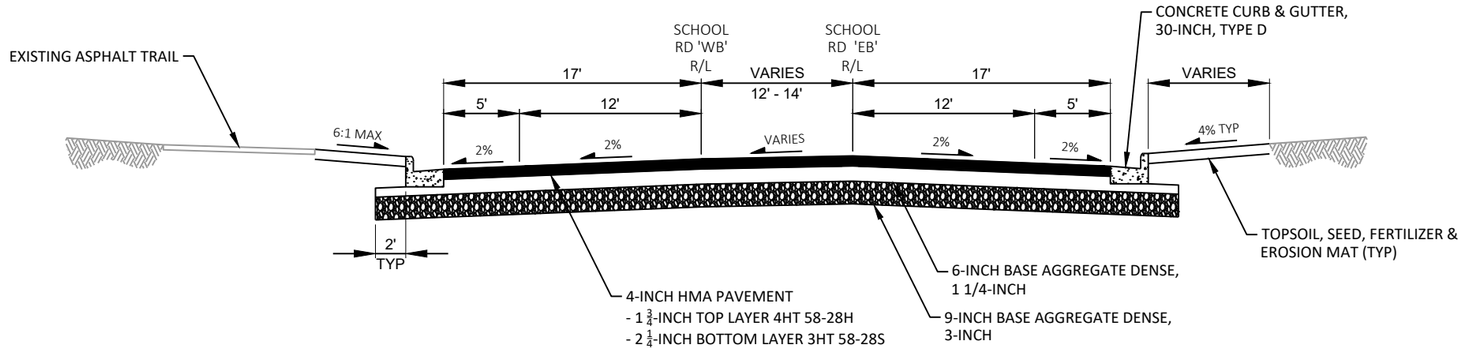
TYPICAL FINISHED SECTION FOR ROUNDABOUT

STA 50'RA'+00.00 TO STA 53'RA'+66.43

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	TYPICAL SECTIONS - PROPOSED	SHEET 6	E

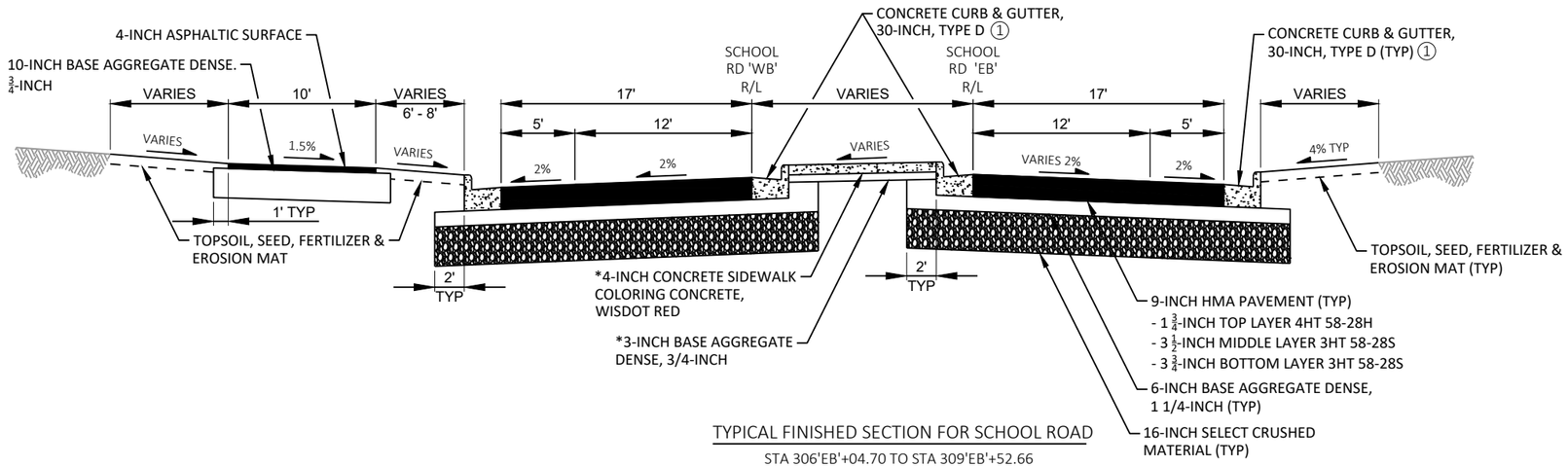
2

① GUTTER THICKNESS TO MATCH HMA PAVEMENT THICKNESS



TYPICAL FINISHED SECTION FOR SCHOOL ROAD

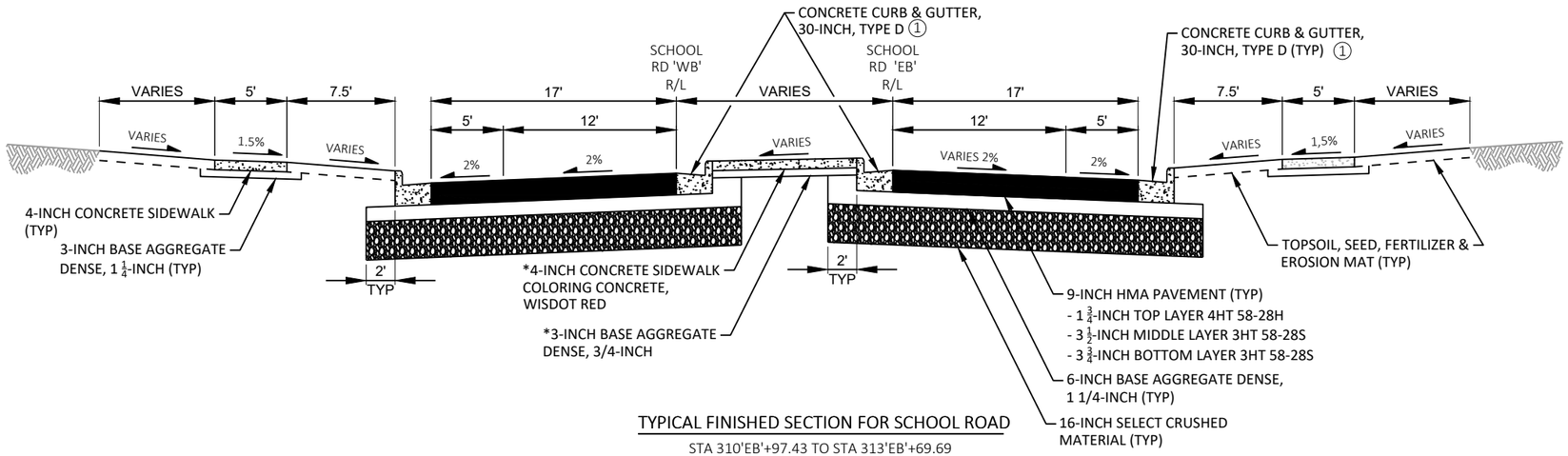
STA 300'EB'+41.85 TO STA 306'EB'+04.70



*STA 306'EB'+46.5 - STA 307'EB'+82.9
4-INCH ASPHALTIC SURFACE
10-INCH BASE AGGREGATE DENSE 3/4-INCH

TYPICAL FINISHED SECTION FOR SCHOOL ROAD

STA 306'EB'+04.70 TO STA 309'EB'+52.66

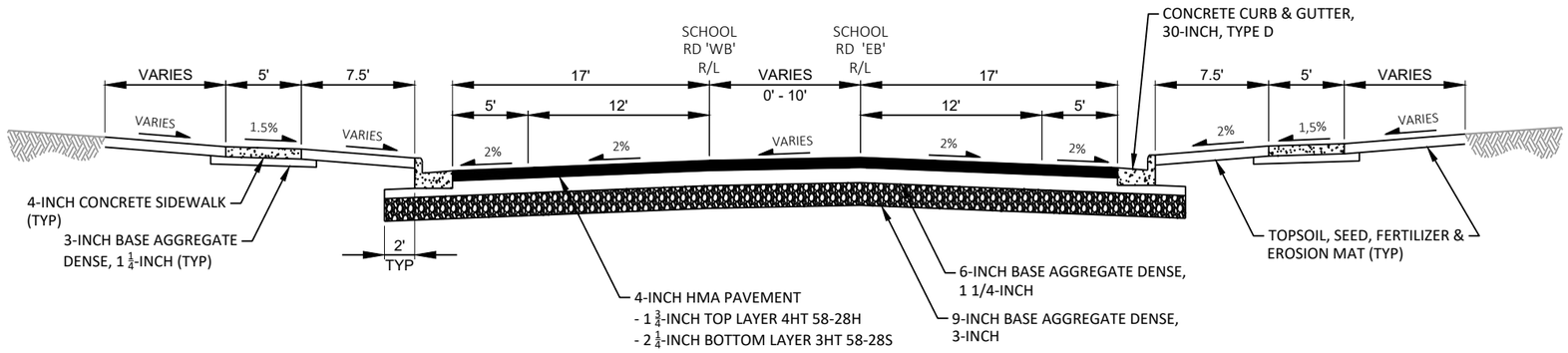


TYPICAL FINISHED SECTION FOR SCHOOL ROAD

STA 310'EB'+97.43 TO STA 313'EB'+69.69

*STA 311'EB'+76.7 - STA 313'EB'+69.69
4-INCH ASPHALTIC SURFACE
10-INCH BASE AGGREGATE DENSE 3/4-INCH

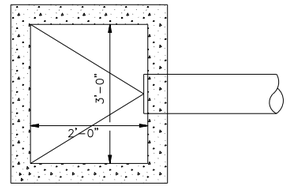
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	TYPICAL SECTIONS - PROPOSED	SHEET 7	E



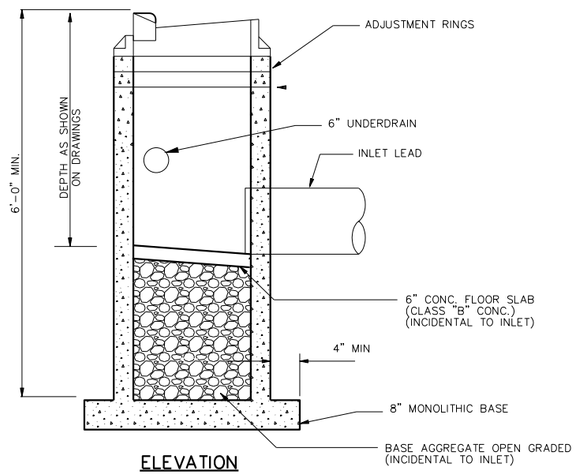
TYPICAL FINISHED SECTION FOR SCHOOL ROAD

STA 313'EB'+69.69 TO STA 315'EB'+11.67

2



PLAN

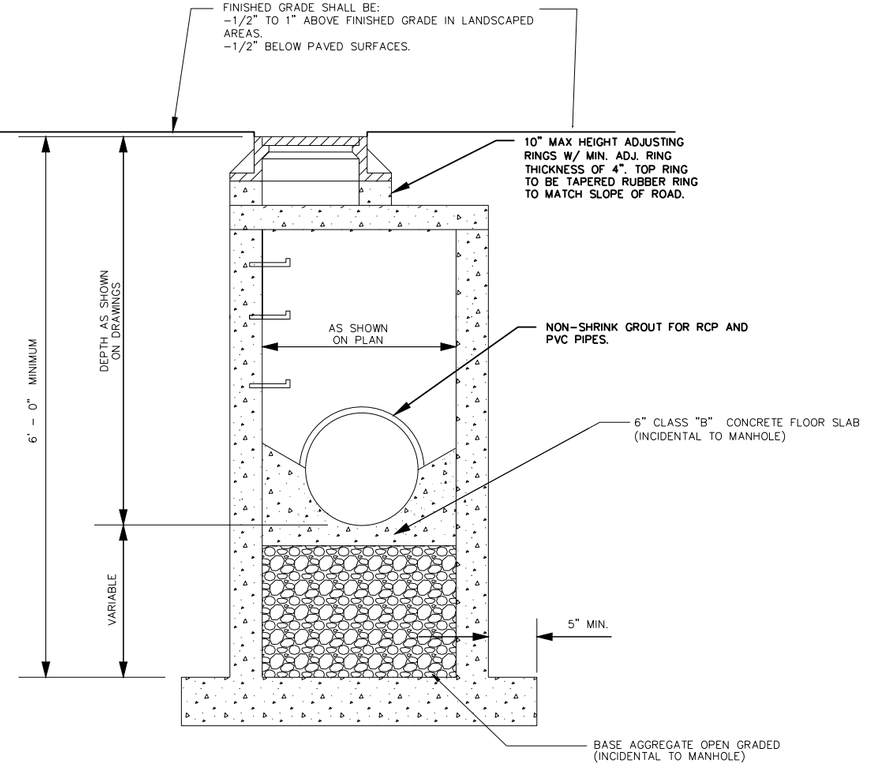


ELEVATION

NOTES:

1. EXCEPT FOR FLOOR SLAB, ALL CONCRETE SHALL BE PRECAST.
2. COMPACTED GRANULAR BACKFILL SOILS REQUIRED AROUND INLET ON ROADWAY SIDE & UNDER CURB & GUTTER SECTION.

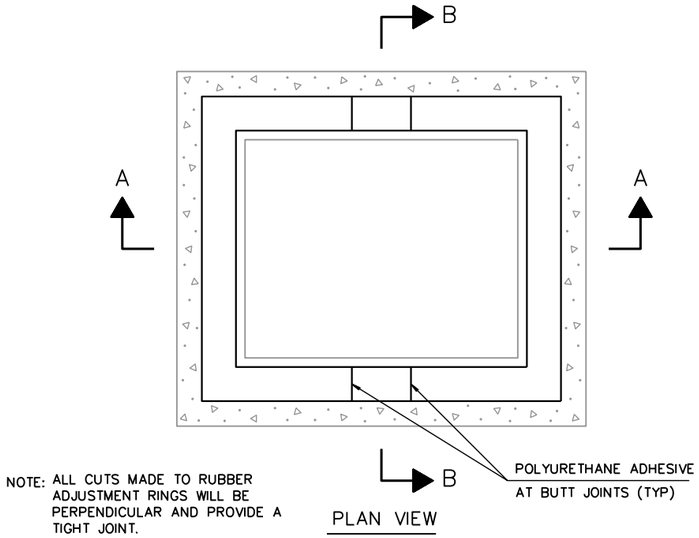
INLET 2X3-FT SPECIAL



NOTES:

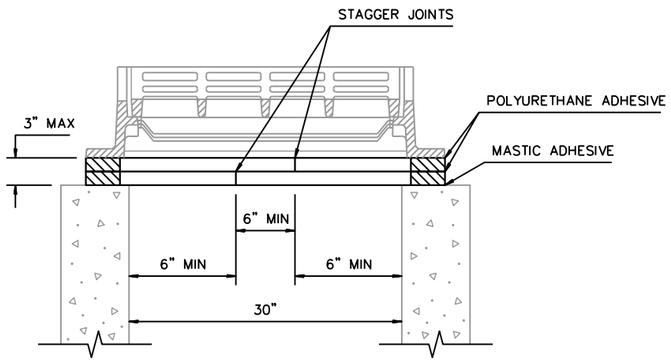
1. BASE SHALL BE CAST MONOLITHIC WITH BARREL SECTION.
2. NON-SHRINK GROUT MAY BE USED ON MANHOLE CONNECTIONS FOR PVC AND RCP PIPES.
3. BARREL SECTION SHALL BE ONE PIECE.
4. THE FINAL ADJUSTMENT RING TO BE A 4" RUBBER RING FOR MANHOLES WITHIN THE ROAD SECTION.

MANHOLE 5-FT DIAMETER SPECIAL

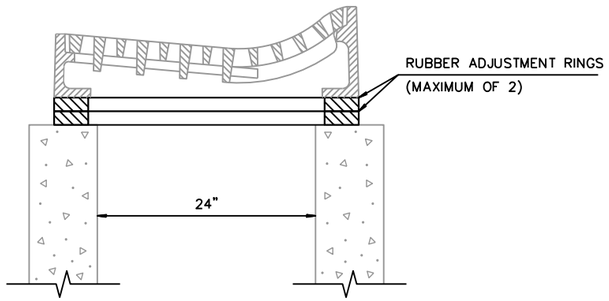


NOTE: ALL CUTS MADE TO RUBBER ADJUSTMENT RINGS WILL BE PERPENDICULAR AND PROVIDE A TIGHT JOINT.

PLAN VIEW

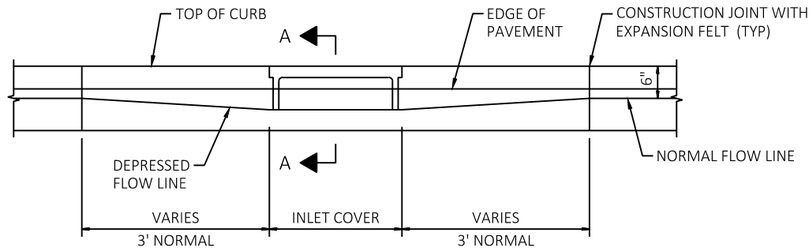


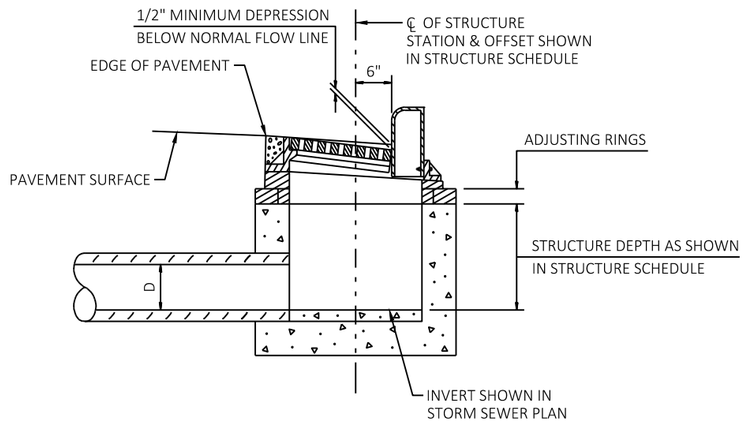
SECTION A–A



SECTION B–B

RUBBER RING CUTTING DETAIL FOR INLET, SPECIAL

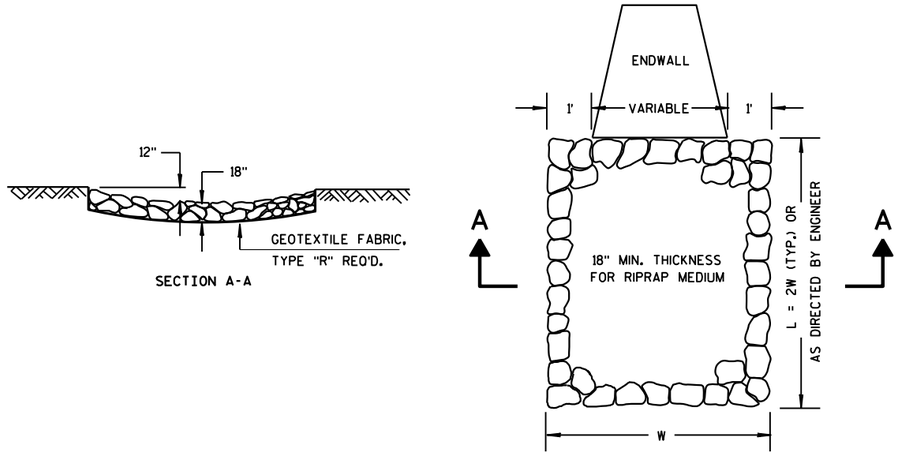




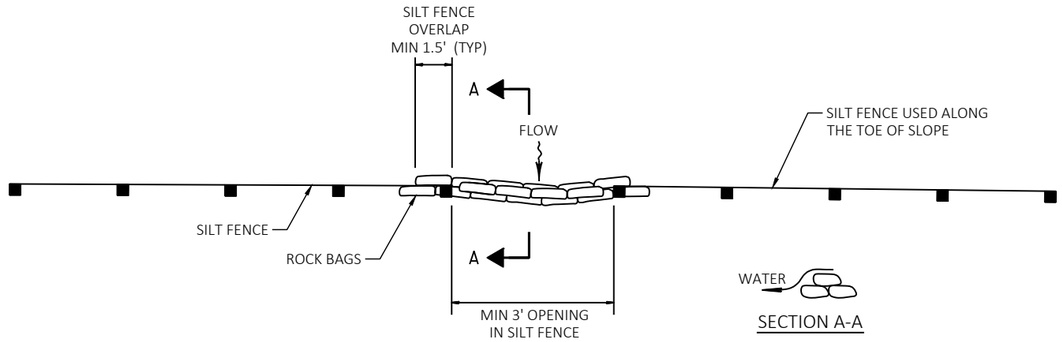
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

2

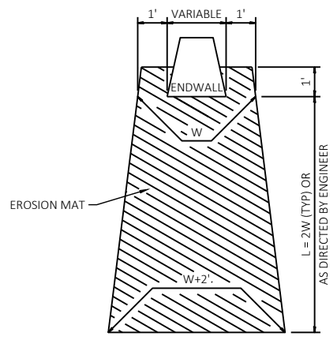


RIPRAP TREATMENT AT CULVERTS

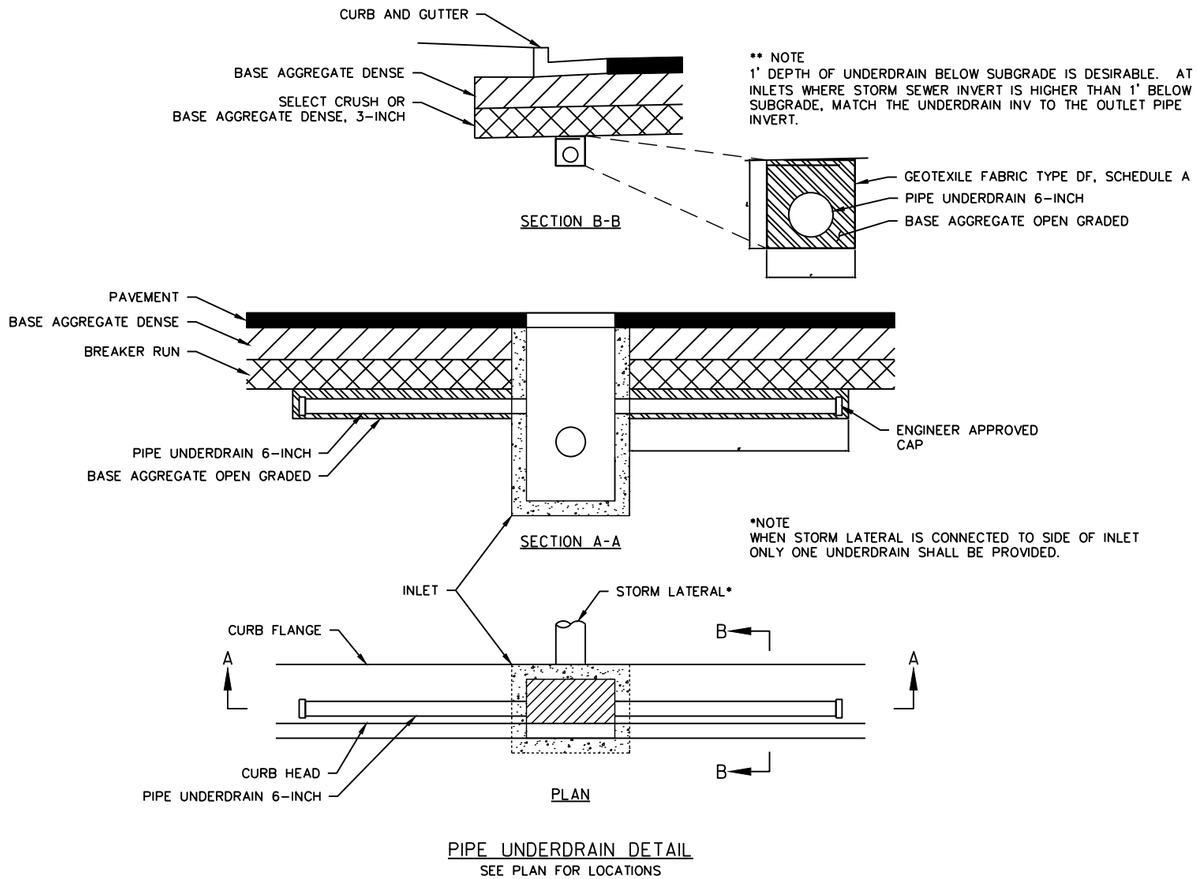


TOP VIEW

ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

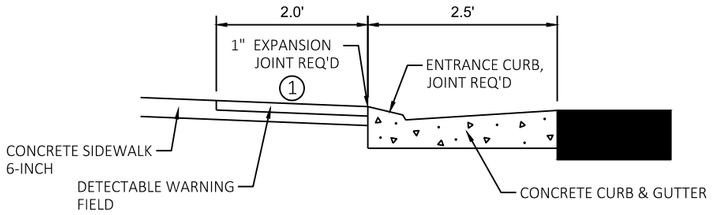


EROSION MAT TREATMENT AT CULVERTS

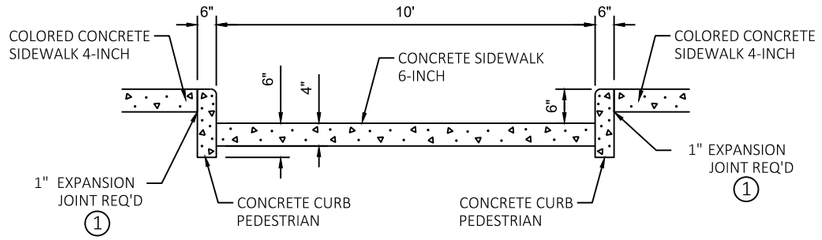


PIPE UNDERDRAIN DETAIL
SEE PLAN FOR LOCATIONS

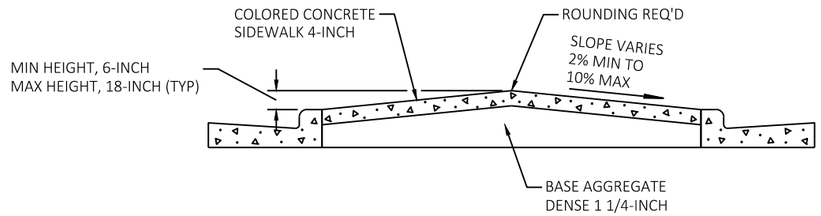
2



SECTION A-A

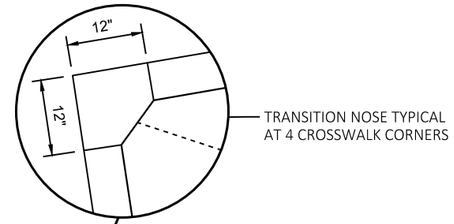


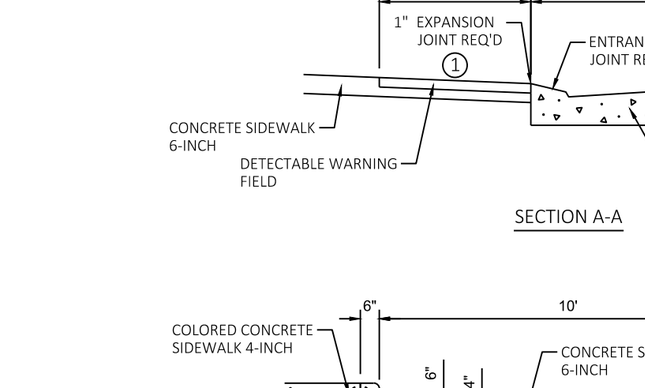
SECTION B-B



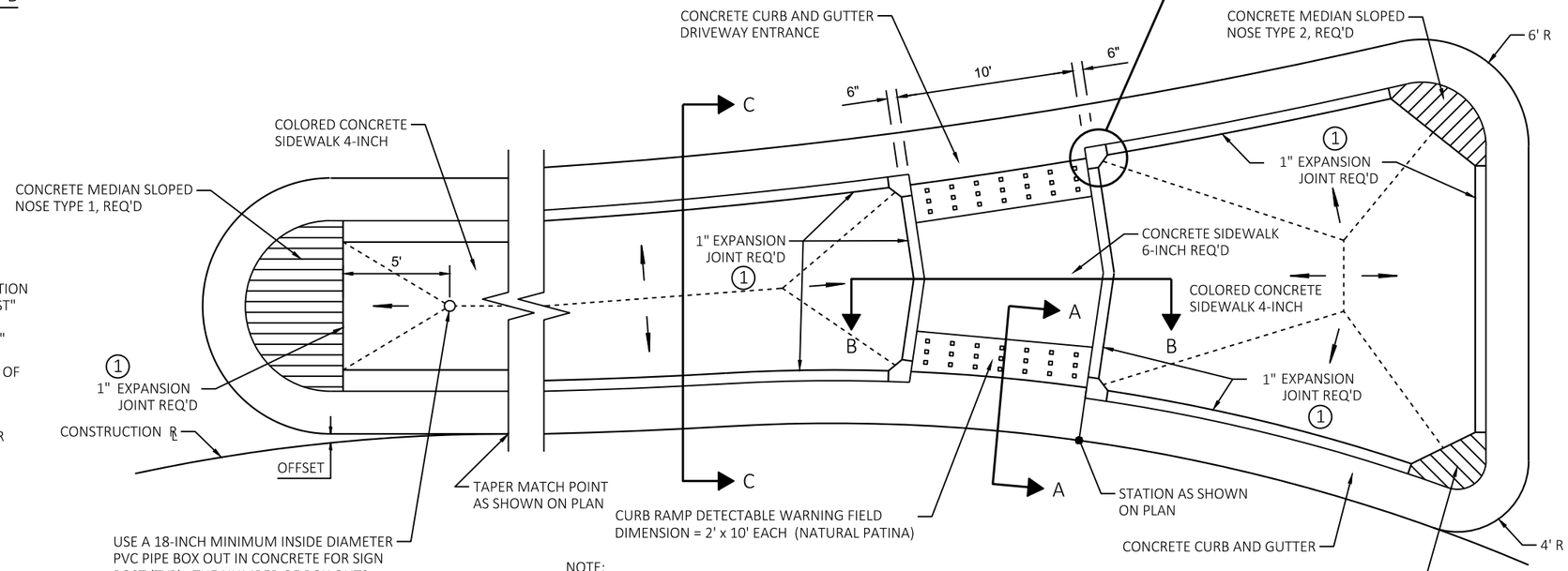
SECTION C-C

1 EXPANSION MATERIAL TO BE 1" LONGER THAN ABUTTING MEDIAN CONCRETE THICKNESS. (i.e. 5" IN HEIGHT WHEN ADJACENT TO CONCRETE SIDEWALK 4-INCH)





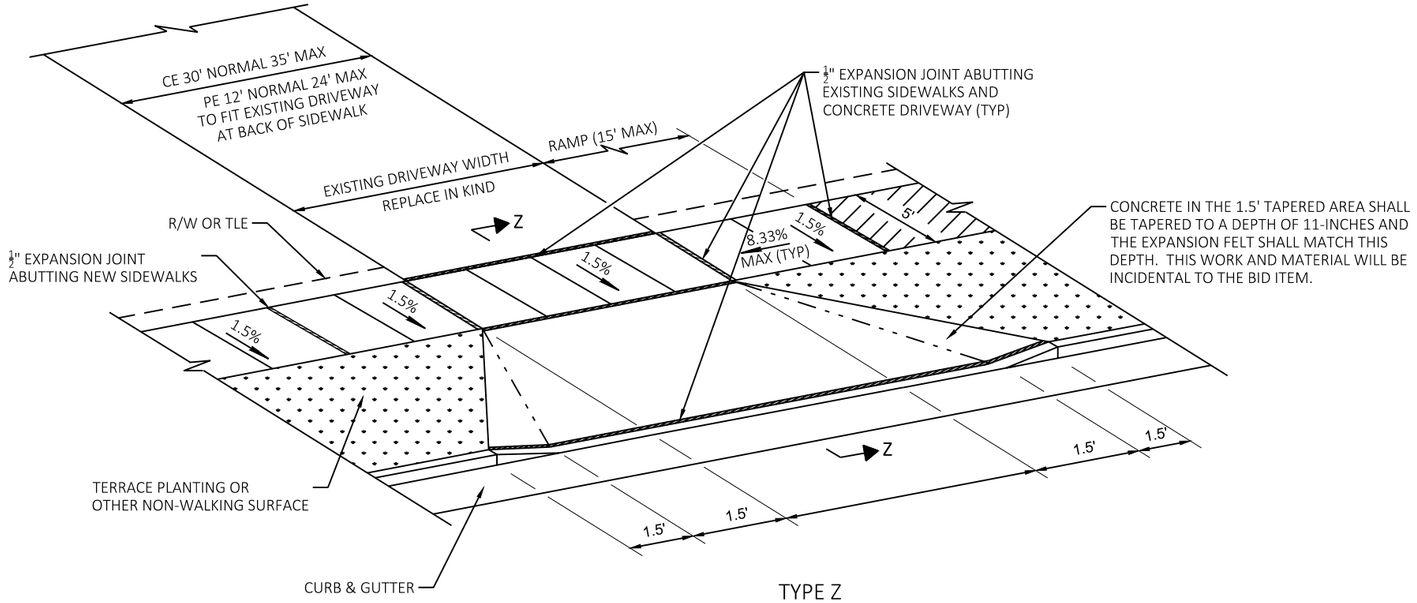
ISLAND SIGN LOCATION DETAIL (TYP)



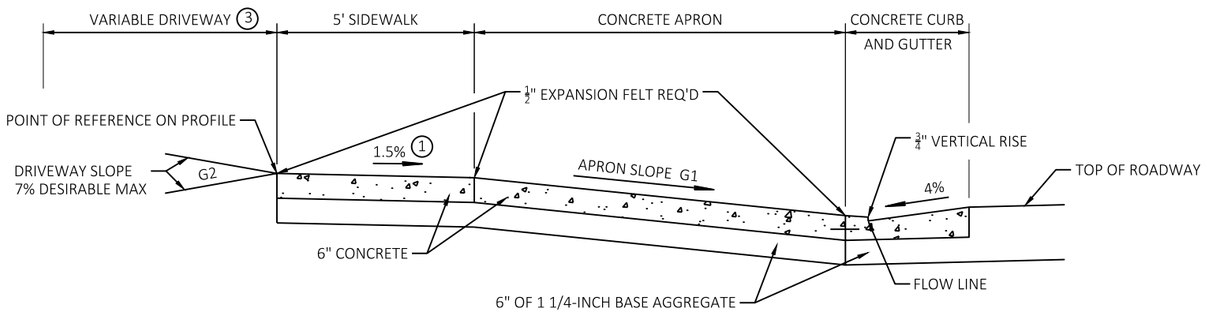
CONCRETE SPLITTER ISLAND DETAIL WITH CROSSWALK

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 12	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021001-CD.DWG
LAYOUT NAME - 643020-021004-cd
PLOT DATE : 8/28/2023 1:53 PM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



TYPE Z
SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 3 TO 8 FEET



SECTION Z-Z

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.

SEE PLAN FOR ADDITIONAL INFORMATION

GENERAL NOTES

CONSTRUCTION TOLERANCE OF +/- 0.5% FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

12' MAXIMUM SPACING FOR CONTRACTION JOINTS IN DRIVEWAY APPROACHES.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN IN THE PLAN.

SIDEWALK AND APRON WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY, 6-INCH.

USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN PLANS.

DRIVEWAY TYPES

- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH.
- 3-INCH ASPHALTIC SURFACE OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH.
- 6-INCH BASE AGGREGATE DENSE 3/4-INCH.

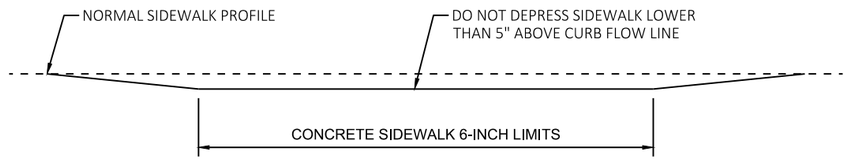
TERRACE WIDTH	APRON SLOPE G1		
	MIN %	DESIRABLE %	MAXIMUM %
3 FT	7.0	8.5	10.0
4 FT	5.0	7.0	10.0
5 FT	4.0	7.0	10.0
6 FT	4.0	7.0	10.0
7 FT	3.5	7.0	10.0
8 FT	3.0	7.0	10.0

NOTE:

ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 NOT TO EXCEED 10% DESIRABLE MAXIMUM.

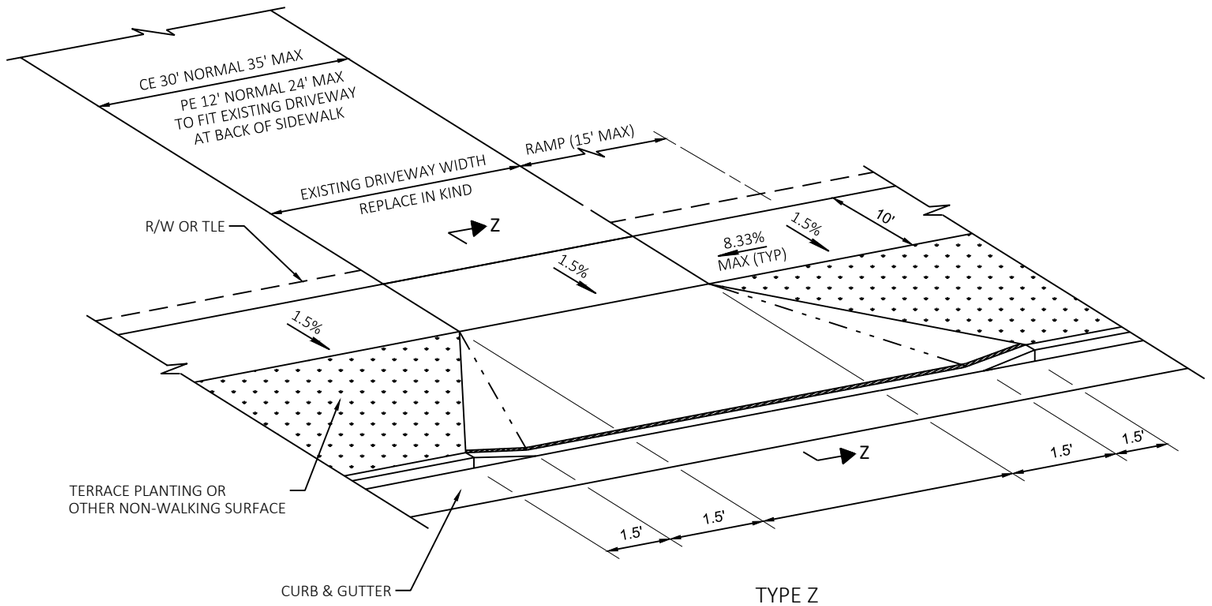
DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAXIMUM SLOPE.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

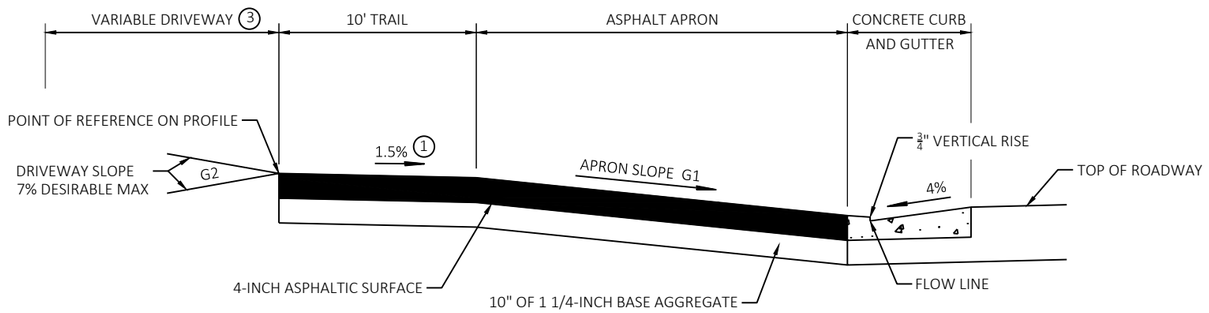


DEPRESSED SIDEWALK PROFILE DETAIL

DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER



TYPE Z
SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 3 TO 8 FEET



SECTION Z-Z

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.

GENERAL NOTES

CONSTRUCTION TOLERANCE OF +/- 0.5% FOR TRAIL CROSS SLOPE. THE TRAIL CROSS SLOPE SHALL NOT EXCEED 2%.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN IN THE PLAN.

USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN PLANS.

TERRACE WIDTH	APRON SLOPE G1		
	MIN %	DESIRABLE %	MAXIMUM %
3 FT	7.0	8.5	10.0
4 FT	5.0	7.0	10.0
5 FT	4.0	7.0	10.0
6 FT	4.0	7.0	10.0
7 FT	3.5	7.0	10.0
8 FT	3.0	7.0	10.0

NOTE:

ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 NOT TO EXCEED 10% DESIRABLE MAXIMUM.

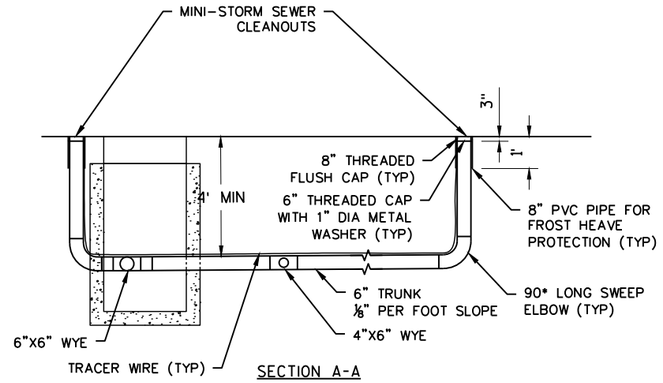
DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAXIMUM SLOPE.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

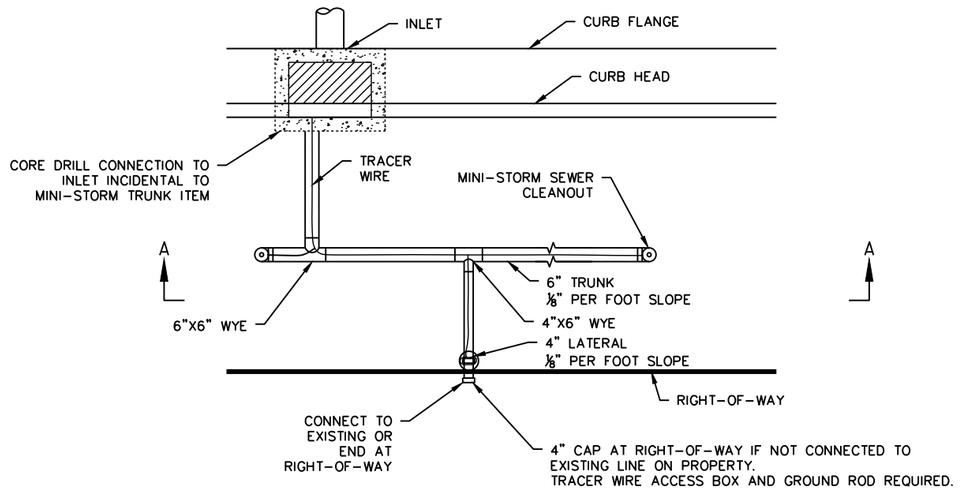
SEE PLAN FOR ADDITIONAL INFORMATION

DRIVEWAY ENTRANCE DETAIL WITH ASPHALT TRAIL & APRON, CONCRETE CURB & GUTTER

2



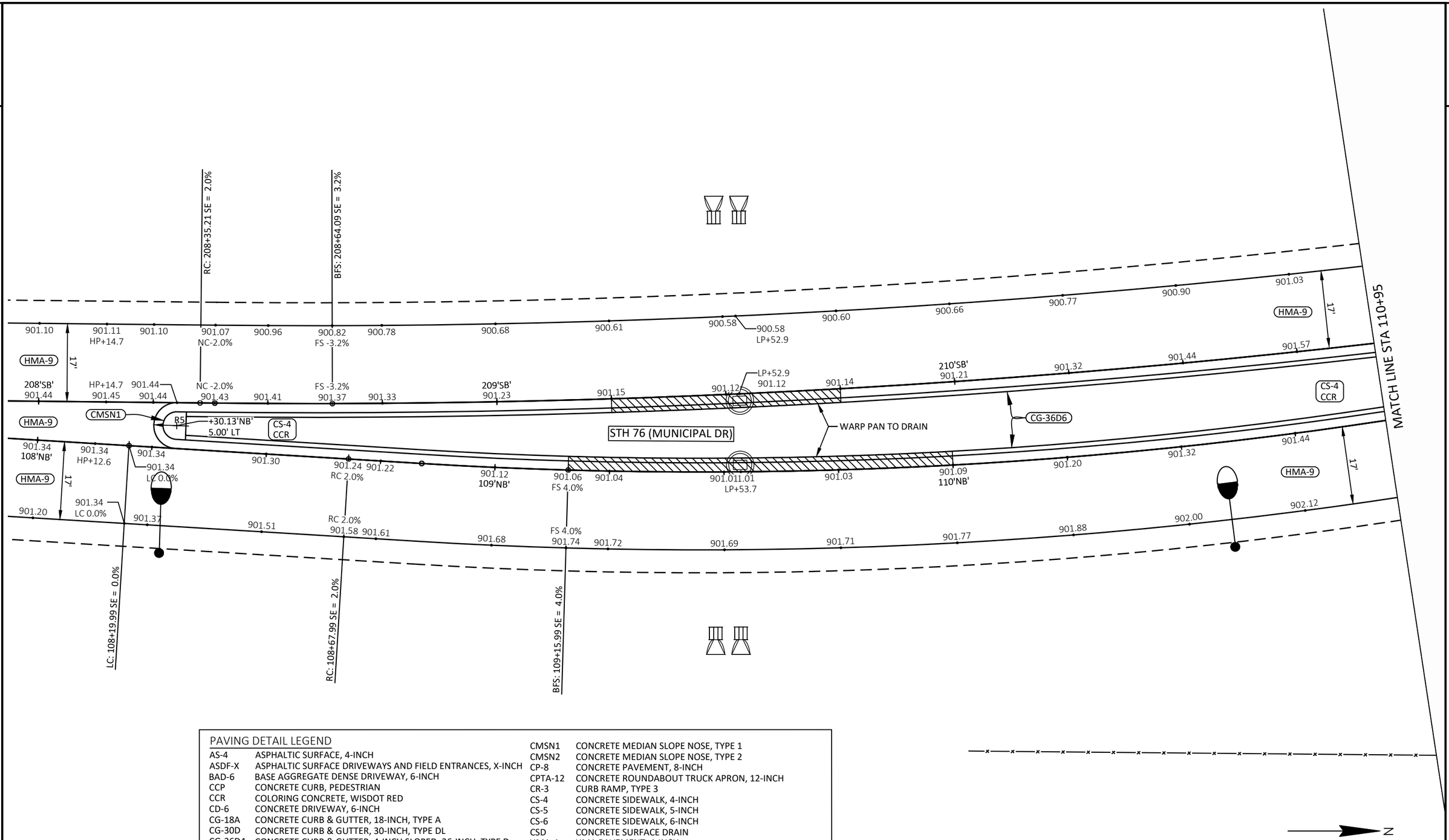
SECTION A-A



PLAN

MINI STORM TRUNK DETAIL

2



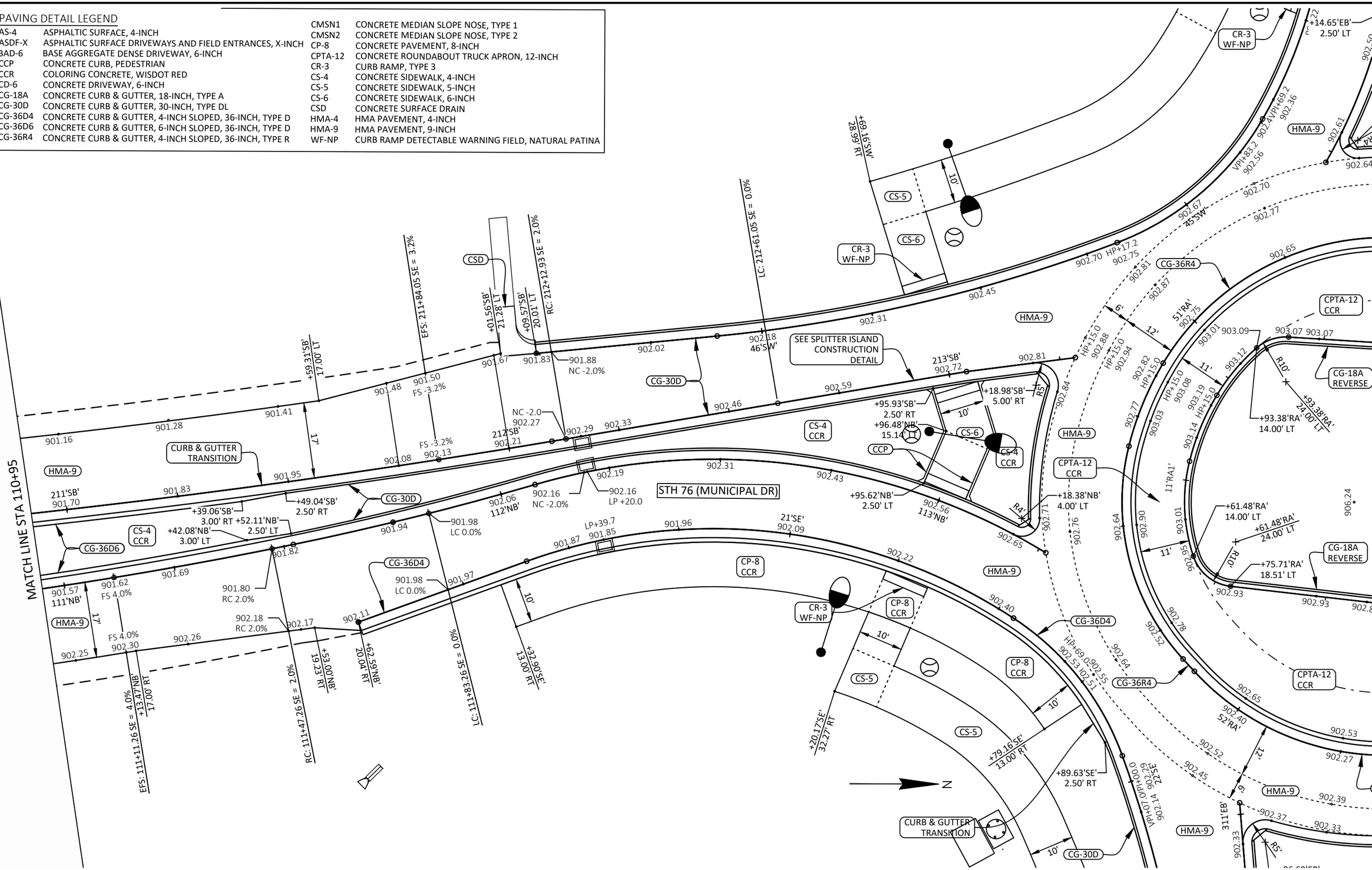
PAVING DETAIL LEGEND

AS-4	ASPHALTIC SURFACE, 4-INCH	CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH	CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH	CP-8	CONCRETE PAVEMENT, 8-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CCR	COLORING CONCRETE, WISDOT RED	CR-3	CURB RAMP, TYPE 3
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-4	CONCRETE SIDEWALK, 4-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A	CS-5	CONCRETE SIDEWALK, 5-INCH
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D	CSD	CONCRETE SURFACE DRAIN
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D	HMA-4	HMA PAVEMENT, 4-INCH
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R	HMA-9	HMA PAVEMENT, 9-INCH
		WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - STH 76 SOUTH	SHEET 16	E

PAVING DETAIL LEGEND

AS-4	ASPHALTIC SURFACE, 4-INCH
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
CD-6	CONCRETE DRIVEWAY, 6-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CP-8	CONCRETE PAVEMENT, 8-INCH
CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CR-3	CURB RAMP, TYPE 3
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CSD	CONCRETE SURFACE DRAIN
HMA-4	HMA PAVEMENT, 4-INCH
HMA-9	HMA PAVEMENT, 9-INCH
WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - STH 76 SOUTH	SHEET 17	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021200-PD.DWG
LAYOUT NAME - 643020-021202-pd
PLOT DATE : 8/30/2023 12:24 PM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

PAVING DETAIL LEGEND

AS-4	ASPHALTIC SURFACE, 4-INCH	CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH	CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH	CP-8	CONCRETE PAVEMENT, 8-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CCR	COLORING CONCRETE, WISDOT RED	CR-3	CURB RAMP, TYPE 3
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-4	CONCRETE SIDEWALK, 4-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A	CS-5	CONCRETE SIDEWALK, 5-INCH
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D	CSD	CONCRETE SURFACE DRAIN
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D	HMA-4	HMA PAVEMENT, 4-INCH
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R	HMA-9	HMA PAVEMENT, 9-INCH
		WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA

STH 76 (MUNICIPAL DR)

MATCH LINE STA 116+65

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - STH 76 NORTH	SHEET 18	E

2

2

MATCH LINE STA 116+65

MATCH LINE STA 119+65

BFS: 216+98.59 SE = -4.0%

+32.75'SB'
18.00' LT

CG-36D6

EFS: 218+44.74 SE = -4.0%

RC: 218+92.74 SE = -2.0%

LC: 219+40.74 SE = -2.0%

901.41 | 901.45 | 901.37 | 901.10 | 900.94 | 900.76 | 900.57 | 900.39 | 900.24 | 900.17 | 899.79 | 899.53 | 899.42 | 899.05 | 898.82 | 898.68

FS 4.0%

HMA-9

RC 2.0%

LC 0.0%

HMA-9

18'

FS 4.0% 900.60

217'SB' 900.59

900.77 | 900.41 | 900.22 | 900.04 | 218'SB' 899.85 | 899.67 | FS 4.0% 899.52 | 899.49 | 899.30 | RC 2.0% 899.17 | 219'SB' 899.12 | 899.06 | 898.99 | 898.93 | LC 0.0% 898.82 | 898.75

18'

CS-4
CCR

CG-36D6

STH 76 (MUNICIPAL DR)

CS-4
CCR

900.59 | 900.41 117'NB' | 900.22 | 900.03 | 899.85 | 899.66 118'NB' | 899.48 | 899.28 | 899.11 | 898.92 119'NB' | 898.74 | 898.55

17'

HMA-9

HMA-9

17'

900.25 | 900.09 | 900.07 | 899.88 | 899.69 | 899.51 | 899.32 | 899.14 | 898.96 | 898.77 | 898.58 | 898.40 | 898.21

PAVING DETAIL LEGEND

AS-4	ASPHALTIC SURFACE, 4-INCH	CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH	CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH	CP-8	CONCRETE PAVEMENT, 8-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CCR	COLORING CONCRETE, WISDOT RED	CR-3	CURB RAMP, TYPE 3
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-4	CONCRETE SIDEWALK, 4-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A	CS-5	CONCRETE SIDEWALK, 5-INCH
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D	CSD	CONCRETE SURFACE DRAIN
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D	HMA-4	HMA PAVEMENT, 4-INCH
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R	HMA-9	HMA PAVEMENT, 9-INCH
		WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA

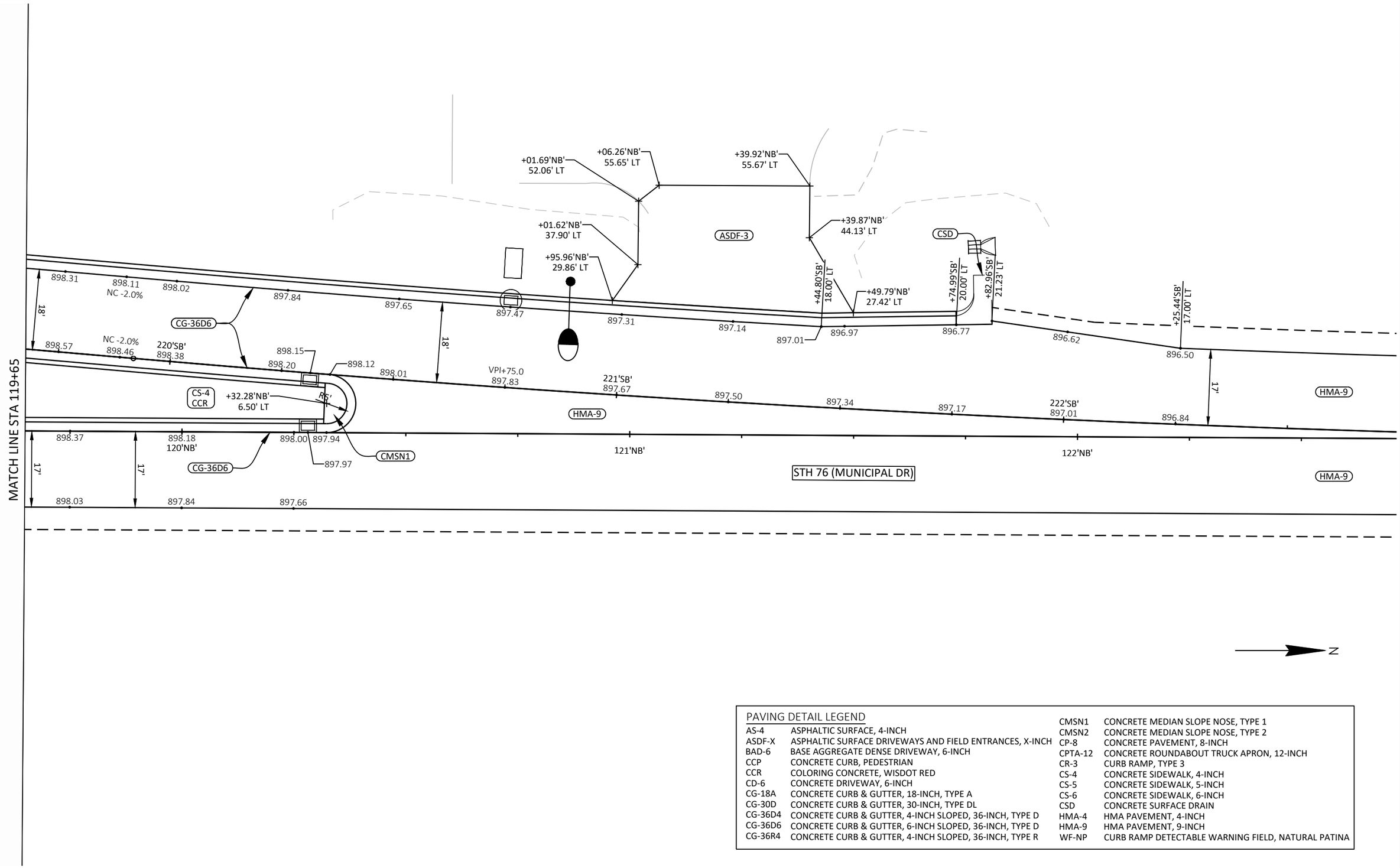
N

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - STH 76 NORTH	SHEET 19	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021200-PD.DWG
LAYOUT NAME - 643020-021206-pd

PLOT DATE : 8/30/2023 12:24 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



PAVING DETAIL LEGEND			
AS-4	ASPHALTIC SURFACE, 4-INCH	CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH	CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH	CP-8	CONCRETE PAVEMENT, 8-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CCR	COLORING CONCRETE, WISDOT RED	CR-3	CURB RAMP, TYPE 3
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-4	CONCRETE SIDEWALK, 4-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A	CS-5	CONCRETE SIDEWALK, 5-INCH
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D	CSD	CONCRETE SURFACE DRAIN
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D	HMA-4	HMA PAVEMENT, 4-INCH
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R	HMA-9	HMA PAVEMENT, 9-INCH
		WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - STH 76 NORTH	SHEET 20	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021200-PD.DWG
LAYOUT NAME - 643020-021207-pd
PLOT DATE : 8/30/2023 12:24 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

2

911.37 911.58 911.78 911.97 912.12 912.22 912.28 912.29 912.29 912.25 912.17 912.04 911.87 911.70

60'NW' 61'NW' 62'NW'

911.31

HMA-4 CG-30D HMA-4

HP+17.9

912.29

HP+17.9

912.63

911.65

401'WB' 402'WB' 403'WB'

911.72 911.92 912.12 912.31 912.46 912.56 912.62 912.63 912.59 912.51 912.38 912.21 912.04

17'

HMA-4

12'

911.89

911.96

SCHOOL ROAD

912.16 912.36 912.52 912.64 912.73 912.78 912.79 912.79 912.77 912.71 912.61 912.47 912.30

301'EB' 302'EB' 303'EB'

912.79

HP+20.0

HP+20.0

CG-30D

HP+20.0

912.45

HMA-4

17'

HMA-4

37'SW' 38'SW'

912.39 912.44 912.45 912.45 912.43 912.37 912.27 912.13 911.96

912.28

912.09

911.87

911.31

911.37

36'SW'

911.61

MATCH LINE STA 303+50

N

PAVING DETAIL LEGEND

AS-4	ASPHALTIC SURFACE, 4-INCH	CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH	CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH	CP-8	CONCRETE PAVEMENT, 8-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CCR	COLORING CONCRETE, WISDOT RED	CR-3	CURB RAMP, TYPE 3
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-4	CONCRETE SIDEWALK, 4-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A	CS-5	CONCRETE SIDEWALK, 5-INCH
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D	CSD	CONCRETE SURFACE DRAIN
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D	HMA-4	HMA PAVEMENT, 4-INCH
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R	HMA-9	HMA PAVEMENT, 9-INCH
		WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - SCHOOL RD WEST	SHEET 21	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021200-PD.DWG
LAYOUT NAME - 643020-021211-pd

PLOT DATE : 8/30/2023 12:24 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE STA 303+50

SCHOOL ROAD

HMA-4 17' 911.70 63'NW' 911.53 911.36 911.19 911.01 64'NW' 910.84 910.67 910.49 910.24 65'NW' 909.92 909.54

CG-30D

HMA-4 12' 912.04 911.87 404'WB' 911.70 911.53 911.35 911.18 405'WB' 911.01 910.83 910.58 910.26

HMA-4 12' 912.30 912.13 911.96 304'EB' 911.79 911.62 911.45 911.28 305'EB' 911.09 910.84 910.51 910.12 306'EB' 910.03

HMA-4 17' 911.96 39'SW' 911.79 911.62 911.45 911.28 911.11 40'SW' 910.94 910.75 910.50 910.34 41'SW' 910.12

CG-30D

ASDF-3

37.4'

HMA-4 17' 909.08 CS-4 CCR FULL HEIGHT CURB HEAD

HMA-9 CG-30D WF-NP TYP 909.79 909.42 908.89

406'WB' 909.88 TRANSITION

+04.86'WB' +20.27'WB' 2.50' RT +20.21'EB' 2.50' LT

CMSN1 +04.70'EB'

CCP 909.65 +46.53'EB' 2.47' LT 909.10

CS-6 CG-30D DRIVEWAY CURB CUT

HMA-9 17' 909.82 909.46

WF-NP

+75.00'WB' 37.15' LT +12.14'WB' 47.09' LT +42.36'WB' 46.60' LT +12.08'WB' 37.09' LT +21.44'WB' 27.03' LT

10' AS-4 R10' R10' 10' AS-4 10' VARIES

WF-NP 10' CS-6 VARIES

10' AS-4 10' CS-6 AS-4 10'

+20.09'EB' 37.80' RT +48.11'EB' 43.19' RT

908.55 66

MATCH LINE STA 306+55

PAVING DETAIL LEGEND			
AS-4	ASPHALTIC SURFACE, 4-INCH	CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH	CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH	CP-8	CONCRETE PAVEMENT, 8-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CCR	COLORING CONCRETE, WISDOT RED	CR-3	CURB RAMP, TYPE 3
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-4	CONCRETE SIDEWALK, 4-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A	CS-5	CONCRETE SIDEWALK, 5-INCH
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D	CSD	CONCRETE SURFACE DRAIN
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D	HMA-4	HMA PAVEMENT, 4-INCH
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R	HMA-9	HMA PAVEMENT, 9-INCH
		WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA

N

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - SCHOOL RD WEST	SHEET 22	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021200-PD.DWG
LAYOUT NAME - 643020-021212-pd

PLOT DATE : 8/30/2023 12:24 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 306+55

AS-4 | HMA-9 | CG-30D | CG-36D4 | CG-36D6 | CG-36R4 | CS-4 | CS-5 | CS-6 | CR-3 | CSD | CCP | CCR | WF-NP | FULL HEIGHT CURB HEAD | 10' TRANSITION | DRIVEWAY CURB CUT | SCHOOL ROAD | SEE SPLITTER ISLAND CONSTRUCTION DETAIL | WF-NP TYP | CR-3 WF-NP | CS-4 CCR

+90.60'WB' 25.55' LT
+92.81'WB' 35.50' LT
+87.83'WB' 19.50' LT
+25.60'WB' 25.50' LT
+28.37'WB' 19.50' LT
+89.54'WB' 17.00' LT
+93.48'WB' 19.18' LT
+05.37'WB' 25.50' LT
+05.38'WB' 35.50' LT
+10.10'WB' 15.00' LT
+87.14'WB' 15.00' LT
+50.88'NW' 20.83' LT
+50.63'NW' 10.82' LT
+12.81'WB' 2.50' RT
+49.01'WB' 5.00' RT
+15.83'EB' 9.21' LT
+45.07'EB' 4.00' LT
+14.65'EB' 2.50' LT
+82.92'EB' 2.47' LT
+89.98'SW' 9.47' RT
+35.69'SW' 15.66' RT
+71.17'WS' 2.50' RT
+99.72'SW' 21.11' RT

67'NW' 907.96 907.30 906.56 905.76 904.89 904.34 903.64 902.91 902.35 902.02 901.97 901.90 901.93 902.17 902.19 902.07 902.04 VPI+82.0 LP+97.0
68'NW' 902.35
409'WB' 902.24 LP+42.0 LA+09.6 902.23 902.30 902.42 902.49 902.55 902.50 902.57 902.60 902.66 902.64 902.61 902.50 902.44 LP+04.6 902.59 902.95 903.08 902.44 LP+29.2 902.09 902.13 902.22 VPI+69.2 902.36 902.44 VPI+83.2 902.56 902.70 902.77 902.67
408'WB' 904.29 903.43 902.80 902.40
407'WB' 907.64 906.90 906.10 905.23 904.33 903.53 902.95 902.59 902.44
308'EB' 904.33
309'EB' 902.44
307'EB' 907.79 907.03 906.19 905.29 904.67 903.64
44'SW' 902.44
43'SW' 905.87 906.87
42'SW' 909.02 908.47 907.71 908.48
908.30

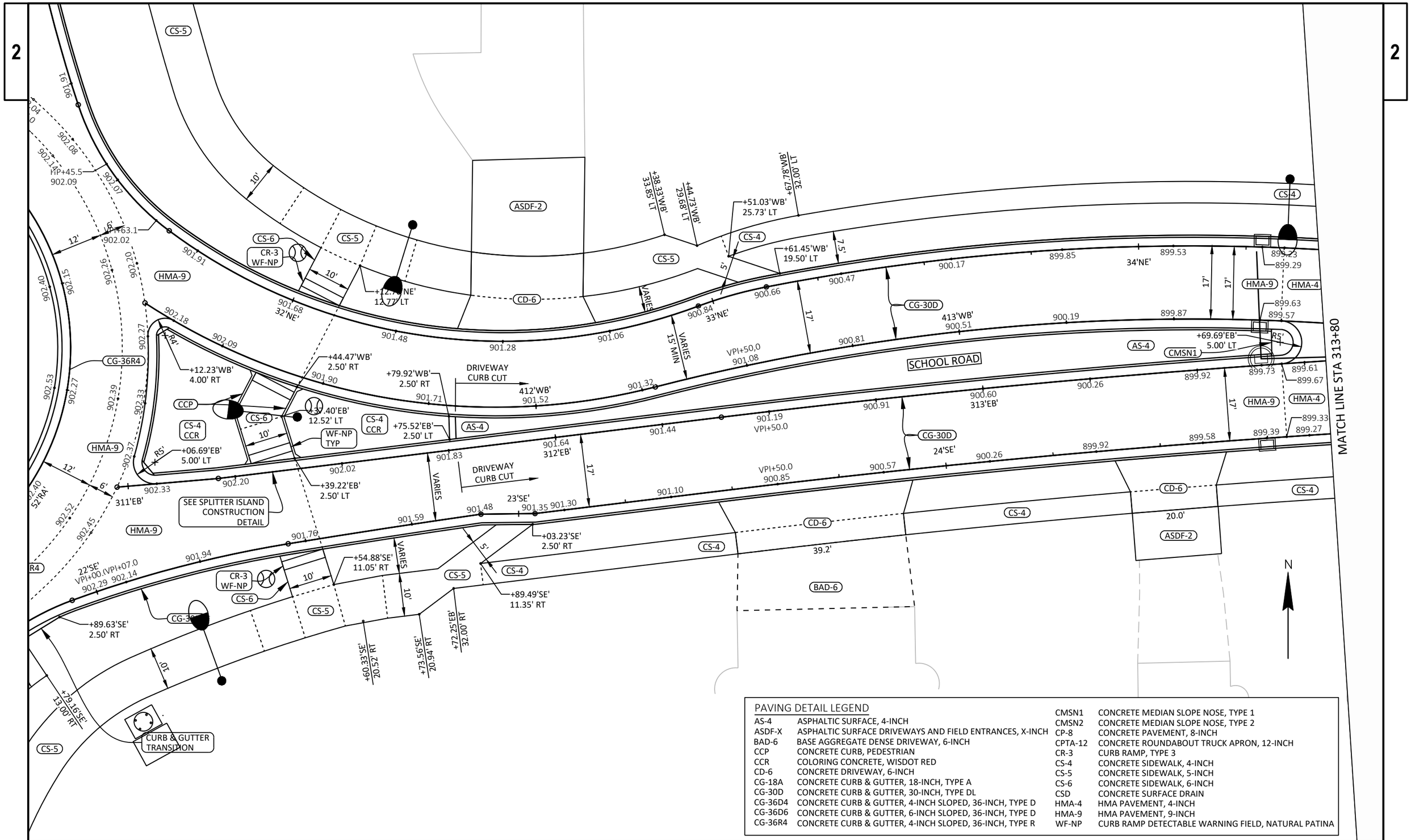
10' | 6' | VARIES | 17' | 15'

PAVING DETAIL LEGEND			
AS-4	ASPHALTIC SURFACE, 4-INCH	CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH	CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH	CP-8	CONCRETE PAVEMENT, 8-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CCR	COLORING CONCRETE, WISDOT RED	CR-3	CURB RAMP, TYPE 3
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-4	CONCRETE SIDEWALK, 4-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A	CS-5	CONCRETE SIDEWALK, 5-INCH
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D	CSD	CONCRETE SURFACE DRAIN
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D	HMA-4	HMA PAVEMENT, 4-INCH
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R	HMA-9	HMA PAVEMENT, 9-INCH
		WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA

N

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - SCHOOL RD WEST	SHEET 23 E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021200-PD.DWG
LAYOUT NAME - 643020-021213-pd
PLOT DATE : 8/30/2023 12:24 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



PAVING DETAIL LEGEND

AS-4	ASPHALTIC SURFACE, 4-INCH	CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH	CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH	CP-8	CONCRETE PAVEMENT, 8-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CCR	COLORING CONCRETE, WISDOT RED	CR-3	CURB RAMP, TYPE 3
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-4	CONCRETE SIDEWALK, 4-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A	CS-5	CONCRETE SIDEWALK, 5-INCH
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D	CSD	CONCRETE SURFACE DRAIN
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D	HMA-4	HMA PAVEMENT, 4-INCH
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R	HMA-9	HMA PAVEMENT, 9-INCH
		WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - SCHOOL RD EAST	SHEET 24	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021200-PD.DWG
LAYOUT NAME - 643020-021215-pd

PLOT DATE : 8/30/2023 12:24 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE STA 313+80

BAD-6

CS-4 | 17.6' | CD-6 | CS-4 | 7.5' | 5' | CS-4 | 5' | 5'

+91.93'EB' 32.08' LT

+11.73'EB' 29.50' LT

898.98 VPI+00.0 | 898.76 | 898.59 | 898.44 | 898.30 | 898.19

35'NE'

CG-30D

HMA-4 | 17' | 414'WB' VPI+00.0 899.32 | 899.10 | 898.93 | 898.78 | 898.64 | 898.2+/-

HMA-4 | 899.34 | 899.11 | 898.93 | 898.77 | 898.61 | 315'EB'

HMA-4 | 17' | 898.5+/-

School Rd EB, 315+11.67
School Rd WB, 415+17.09

SCHOOL ROAD

316'EB'

HMA-4 | 17' | 25'SE' VPI+00.0 899.00 | 898.77 | 898.59 | 898.43 | 26'SE' | 898.27 | 898.4+/- | 898.19

CG-30D

CD-6 | CS-4 | 7.5' | CS-4 | CD-6 | CS-4 | 5' | 5'

20.0' ASDF-2 | 20.0' ASDF-2

+11.07'EB' 29.50' RT

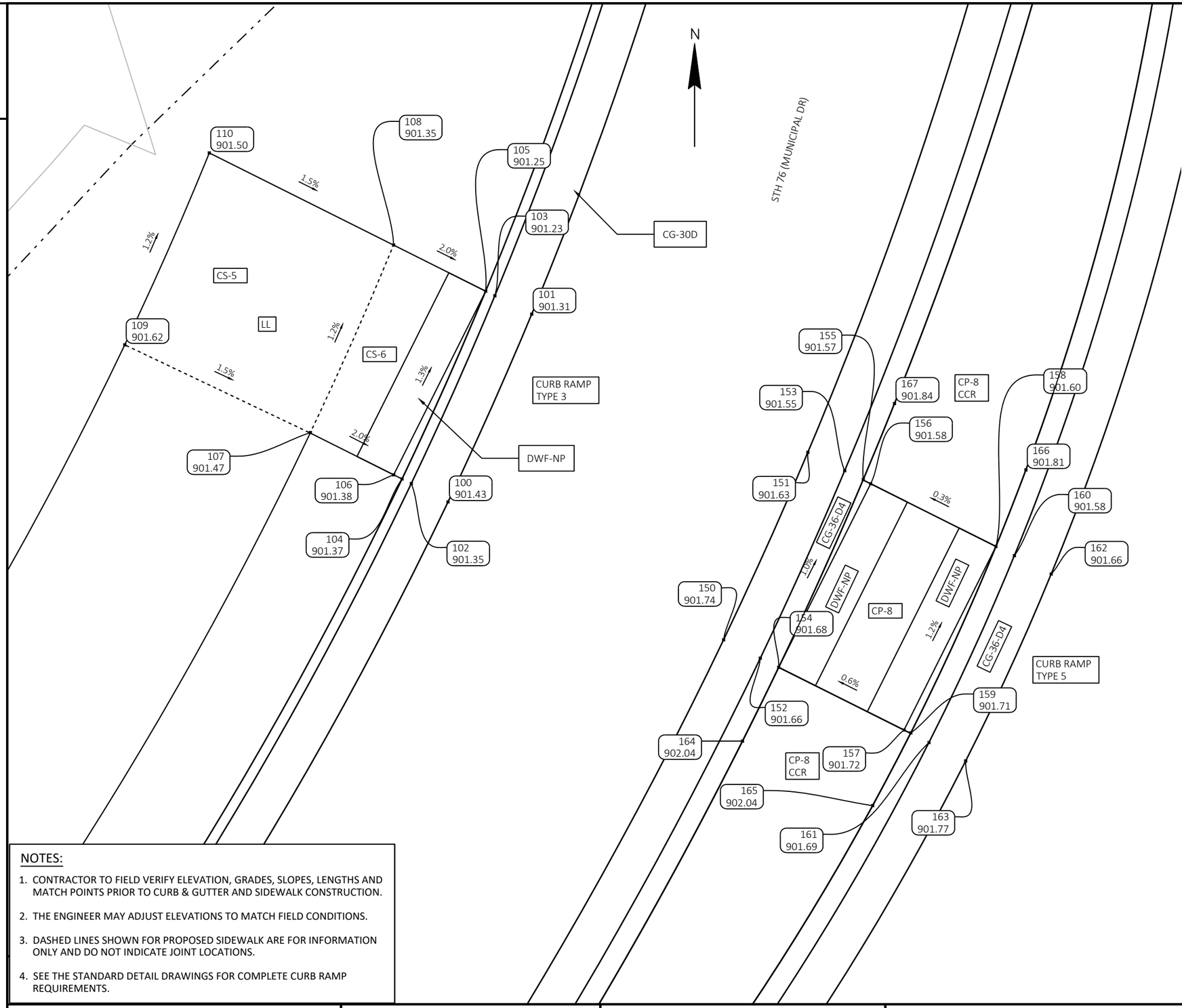
N

PAVING DETAIL LEGEND

AS-4	ASPHALTIC SURFACE, 4-INCH	CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
ASDF-X	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, X-INCH	CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
BAD-6	BASE AGGREGATE DENSE DRIVEWAY, 6-INCH	CP-8	CONCRETE PAVEMENT, 8-INCH
CCP	CONCRETE CURB, PEDESTRIAN	CPTA-12	CONCRETE ROUNDABOUT TRUCK APRON, 12-INCH
CCR	COLORING CONCRETE, WISDOT RED	CR-3	CURB RAMP, TYPE 3
CD-6	CONCRETE DRIVEWAY, 6-INCH	CS-4	CONCRETE SIDEWALK, 4-INCH
CG-18A	CONCRETE CURB & GUTTER, 18-INCH, TYPE A	CS-5	CONCRETE SIDEWALK, 5-INCH
CG-30D	CONCRETE CURB & GUTTER, 30-INCH, TYPE DL	CS-6	CONCRETE SIDEWALK, 6-INCH
CG-36D4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D	CSD	CONCRETE SURFACE DRAIN
CG-36D6	CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D	HMA-4	HMA PAVEMENT, 4-INCH
CG-36R4	CONCRETE CURB & GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R	HMA-9	HMA PAVEMENT, 9-INCH
		WF-NP	CURB RAMP DETECTABLE WARNING FIELD, NATURAL PATINA

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVING DETAILS - SCHOOL RD EAST	SHEET 25	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021200-PD.DWG
LAYOUT NAME - 643020-021216-pd
PLOT DATE : 8/30/2023 12:24 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



STH 76 NW QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
100	901.43	571,704.81	793,268.06	FLANGE	214+99.57	44.91 LT
101	901.31	571,713.95	793,272.13	FLANGE	215+14.16	44.75 LT
102	901.35	571,705.70	793,266.27	FL	214+99.61	46.91 LT
103	901.23	571,714.85	793,270.34	FL	215+14.49	46.74 LT
104	901.37	571,705.92	793,265.82	BOC	214+99.61	47.41 LT
105	901.25	571,715.07	793,269.89	BOC	215+14.58	47.24 LT
106	901.38	571,706.13	793,265.41	DWF	214+99.62	47.87 LT
107	901.47	571,708.18	793,261.36	SW	214+99.73	52.41 LT
108	901.35	571,717.31	793,265.41	SW	215+15.49	52.21 LT
109	901.62	571,712.46	793,252.32	SW	214+99.54	62.41 LT
110	901.50	571,721.80	793,256.44	SW	215+17.64	62.16 LT

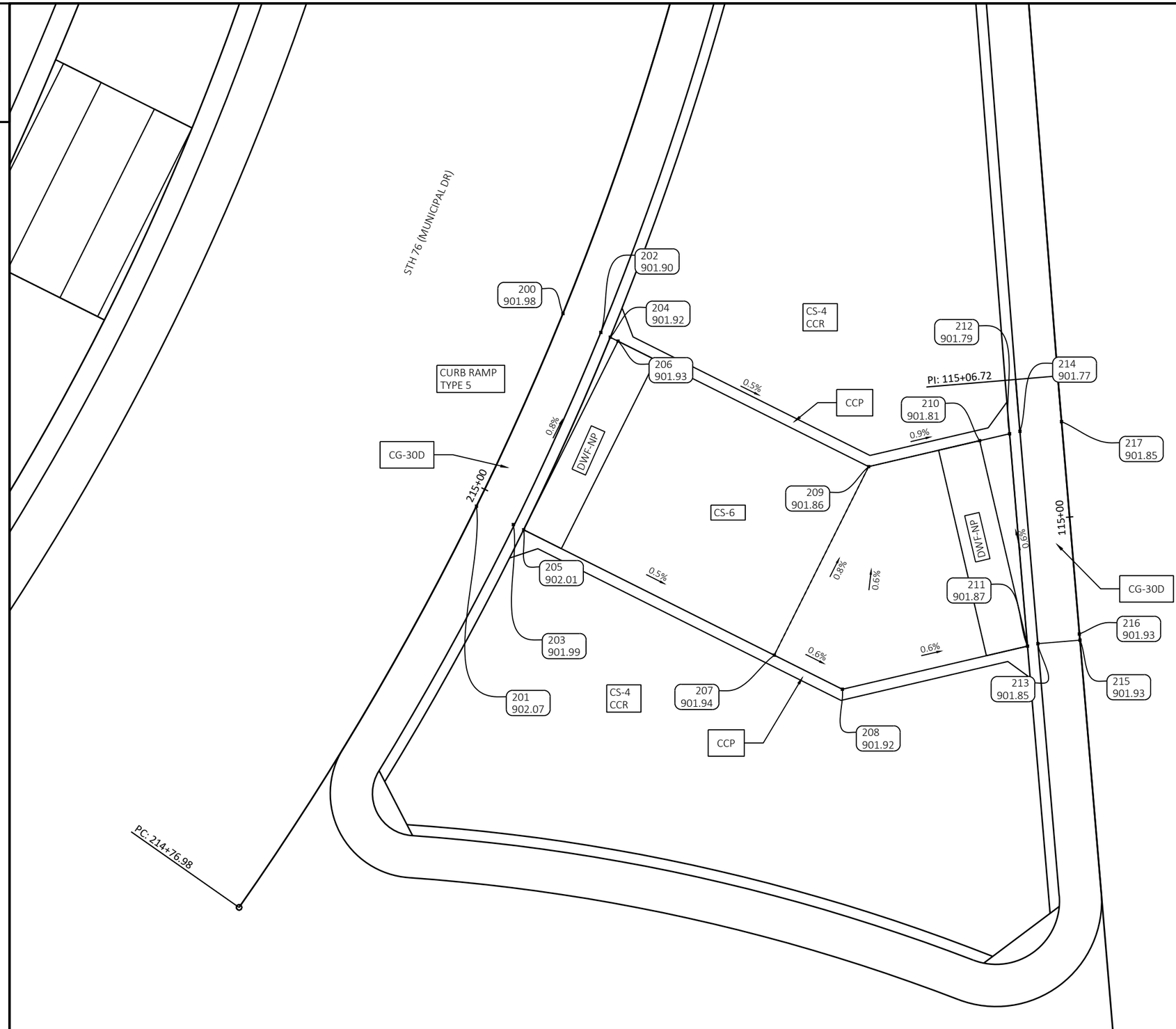
STH 76 N SAUSAGE QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
150	901.74	571,698.09	793,281.47	FLANGE	214+99.38	29.91 LT
151	901.63	571,707.22	793,285.58	FLANGE	215+12.03	29.79 LT
152	901.66	571,697.20	793,283.26	FL	214+99.36	27.91 LT
153	901.55	571,706.32	793,287.37	FL	215+11.79	27.80 LT
154	901.68	571,696.75	793,284.16	BOC	214+99.35	26.91 LT
155	901.57	571,705.90	793,288.28	BOC	215+11.71	26.80 LT
156	901.58	571,705.69	793,288.63	DWF	215+11.62	26.39 LT
157	901.72	571,693.69	793,290.26	DWF	214+99.28	20.09 LT
158	901.60	571,702.64	793,294.73	BOC	215+10.88	19.60 LT
159	901.71	571,693.56	793,290.59	BOC	214+99.30	19.73 LT
160	901.58	571,702.19	793,295.63	FL	215+10.78	18.60 LT
161	901.69	571,693.09	793,291.47	FL	214+99.26	18.73 LT
162	901.66	571,701.29	793,297.42	FLANGE	215+10.58	16.60 LT
163	901.77	571,692.19	793,293.26	FLANGE	214+99.25	16.73 LT
164	902.04	571,693.16	793,282.40	BOC	0+00.00	0.00
165	902.04	571,690.01	793,288.73	BOC	0+00.00	0.00
166	901.81	571,706.36	793,296.19	BOC	0+00.00	0.00
167	901.84	571,709.60	793,289.80	BOC	0+00.00	0.00

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

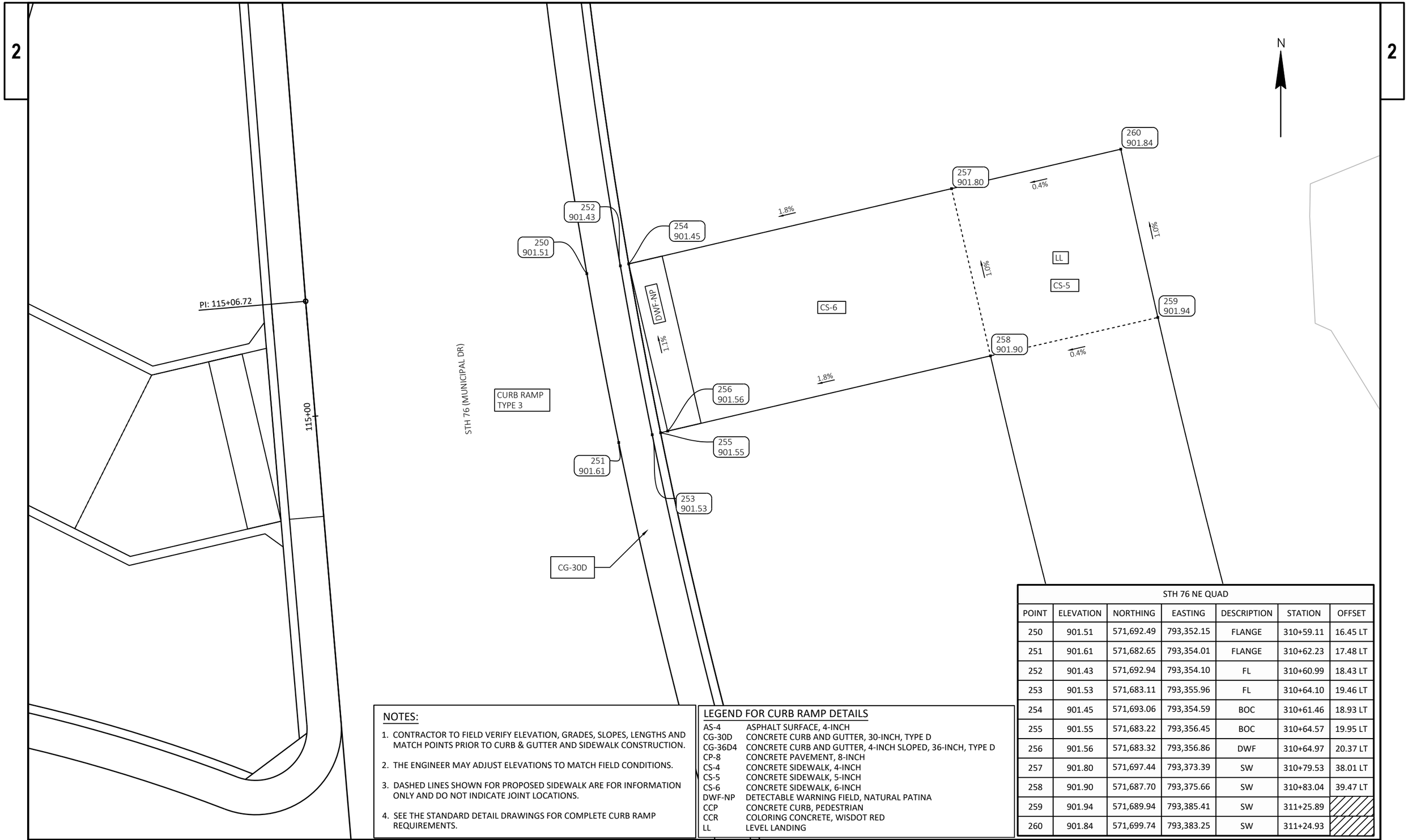
STH 76 N SPLITTER QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
200	901.98	571,693.84	793,312.32	FLANGE	115+11.48	23.16 LT
201	902.07	571,684.70	793,308.22	FLANGE	115+02.88	27.98 LT
202	901.90	571,692.94	793,314.11	FL	115+10.45	21.44 LT
203	901.99	571,683.83	793,309.96	FL	115+01.86	26.31 LT
204	901.92	571,692.72	793,314.56	BOC	115+10.19	21.01 LT
205	902.01	571,683.59	793,310.46	BOC	115+01.57	25.85 LT
206	901.93	571,692.53	793,314.93	DWF	115+09.98	20.65 LT
207	901.94	571,677.64	793,322.34	SW	114+94.65	14.50 LT
208	901.92	571,676.02	793,325.57	SW	114+92.77	11.42 LT
209	901.86	571,686.58	793,326.81	SW	115+03.18	9.29 LT
210	901.81	571,687.81	793,332.08	DWF	115+03.97	3.95 LT
211	901.87	571,678.07	793,334.35	BOC	114+94.07	2.50 LT
212	901.79	571,688.14	793,333.49	BOC	115+04.17	2.51 LT
213	901.85	571,678.18	793,334.84	FL	114+94.14	2.00 LT
214	901.77	571,688.25	793,333.99	FL	115+04.25	2.01 LT
215	901.93	571,678.35	793,336.83	FLANGE	114+94.14	0.00 RT
216	901.93	571,678.64	793,336.81	FLANGE	114+94.43	0.00 LT
217	901.85	571,688.71	793,335.96	FLANGE	115+04.54	0.00 RT

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 27	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021301-CR.DWG
LAYOUT NAME - 643020-021303-cr
PLOT DATE : 6/1/2023 10:39 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:5 FT

WISDOT/CADDS SHEET 42



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

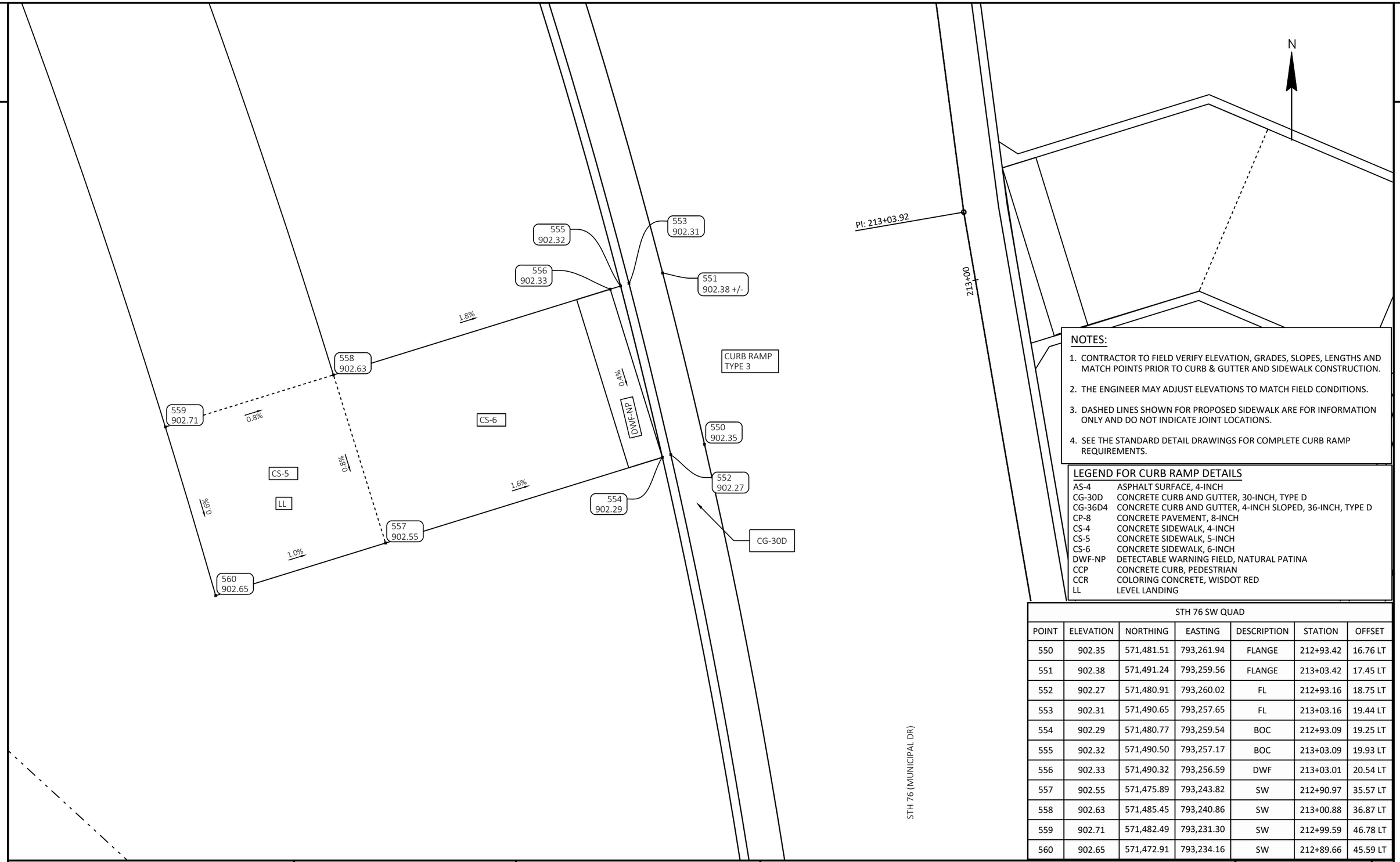
AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

STH 76 NE QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
250	901.51	571,692.49	793,352.15	FLANGE	310+59.11	16.45 LT
251	901.61	571,682.65	793,354.01	FLANGE	310+62.23	17.48 LT
252	901.43	571,692.94	793,354.10	FL	310+60.99	18.43 LT
253	901.53	571,683.11	793,355.96	FL	310+64.10	19.46 LT
254	901.45	571,693.06	793,354.59	BOC	310+61.46	18.93 LT
255	901.55	571,683.22	793,356.45	BOC	310+64.57	19.95 LT
256	901.56	571,683.32	793,356.86	DWF	310+64.97	20.37 LT
257	901.80	571,697.44	793,373.39	SW	310+79.53	38.01 LT
258	901.90	571,687.70	793,375.66	SW	310+83.04	39.47 LT
259	901.94	571,689.94	793,385.41	SW	311+25.89	
260	901.84	571,699.74	793,383.25	SW	311+24.93	

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 28	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021301-CR.DWG
LAYOUT NAME - 643020-021304-cr
PLOT DATE : 6/1/2023 10:39 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

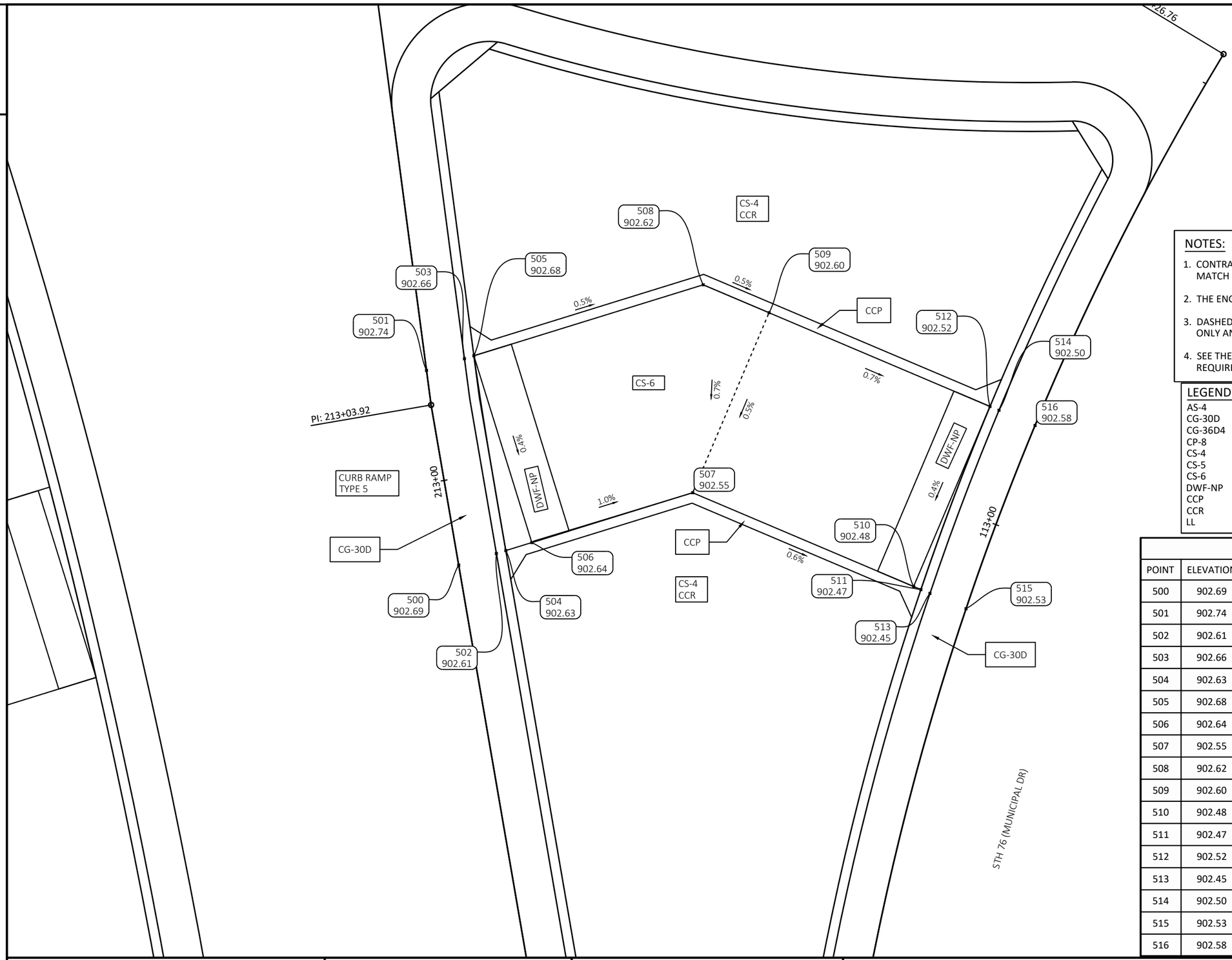
STH 76 SW QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
550	902.35	571,481.51	793,261.94	FLANGE	212+93.42	16.76 LT
551	902.38	571,491.24	793,259.56	FLANGE	213+03.42	17.45 LT
552	902.27	571,480.91	793,260.02	FL	212+93.16	18.75 LT
553	902.31	571,490.65	793,257.65	FL	213+03.16	19.44 LT
554	902.29	571,480.77	793,259.54	BOC	212+93.09	19.25 LT
555	902.32	571,490.50	793,257.17	BOC	213+03.09	19.93 LT
556	902.33	571,490.32	793,256.59	DWF	213+03.01	20.54 LT
557	902.55	571,475.89	793,243.82	SW	212+90.97	35.57 LT
558	902.63	571,485.45	793,240.86	SW	213+00.88	36.87 LT
559	902.71	571,482.49	793,231.30	SW	212+99.59	46.78 LT
560	902.65	571,472.91	793,234.16	SW	212+89.66	45.59 LT

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 29	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021301-CR.DWG
LAYOUT NAME - 643020-021305-cr
PLOT DATE : 6/1/2023 10:39 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

STH 76 S SPLITTER QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
500	902.69	571,486.51	793,278.08	FLANGE	112+90.19	25.40 LT
501	902.74	571,496.47	793,276.44	FLANGE	112+97.70	30.05 LT
502	902.61	571,487.10	793,280.01	FL	112+91.15	23.73 LT
503	902.66	571,497.07	793,278.38	FL	112+98.71	28.43 LT
504	902.63	571,487.25	793,280.49	BOC	112+91.40	23.31 LT
505	902.68	571,497.22	793,278.86	BOC	112+98.97	28.03 LT
506	902.64	571,487.66	793,281.82	DWF	112+92.07	22.16 LT
507	902.55	571,490.21	793,290.05	SW	112+96.48	15.14 LT
508	902.62	571,500.85	793,290.58	SW	113+05.55	18.43 LT
509	902.60	571,499.42	793,293.95	SW	113+05.53	14.77 LT
510	902.48	571,485.41	793,301.34	DWF	112+95.65	2.90 LT
511	902.47	571,485.26	793,301.71	BOC	112+95.62	2.50 LT
512	902.52	571,494.62	793,305.25	BOC	113+05.46	2.50 LT
513	902.45	571,485.06	793,302.18	FL	112+95.58	2.00 LT
514	902.50	571,494.43	793,305.71	FL	113+05.46	2.00 LT
515	902.53	571,484.28	793,304.02	FLANGE	112+95.43	0.00 RT
516	902.58	571,493.65	793,307.55	FLANGE	113+05.45	0.00 RT

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 30	E

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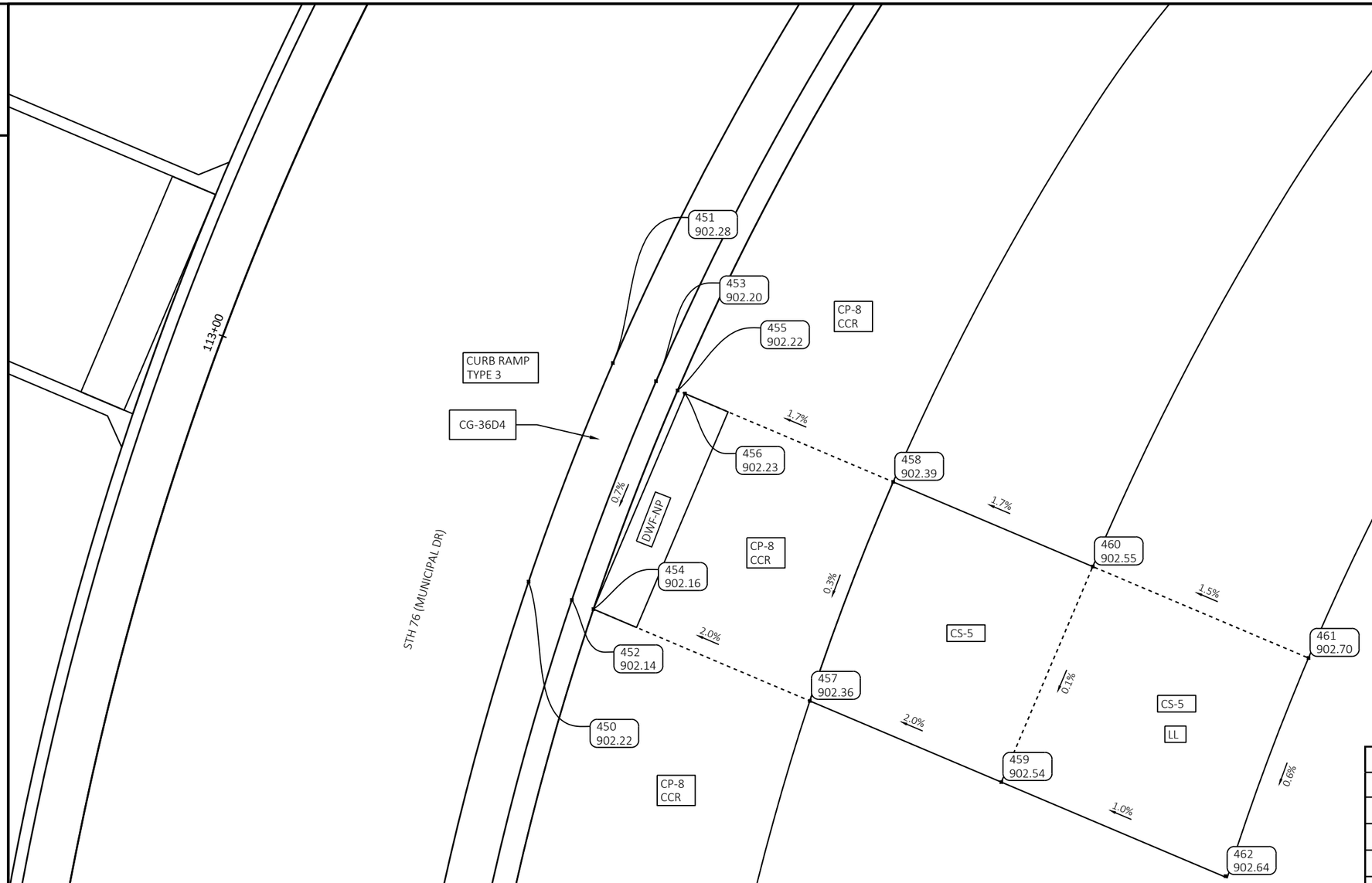


N

NOTES:

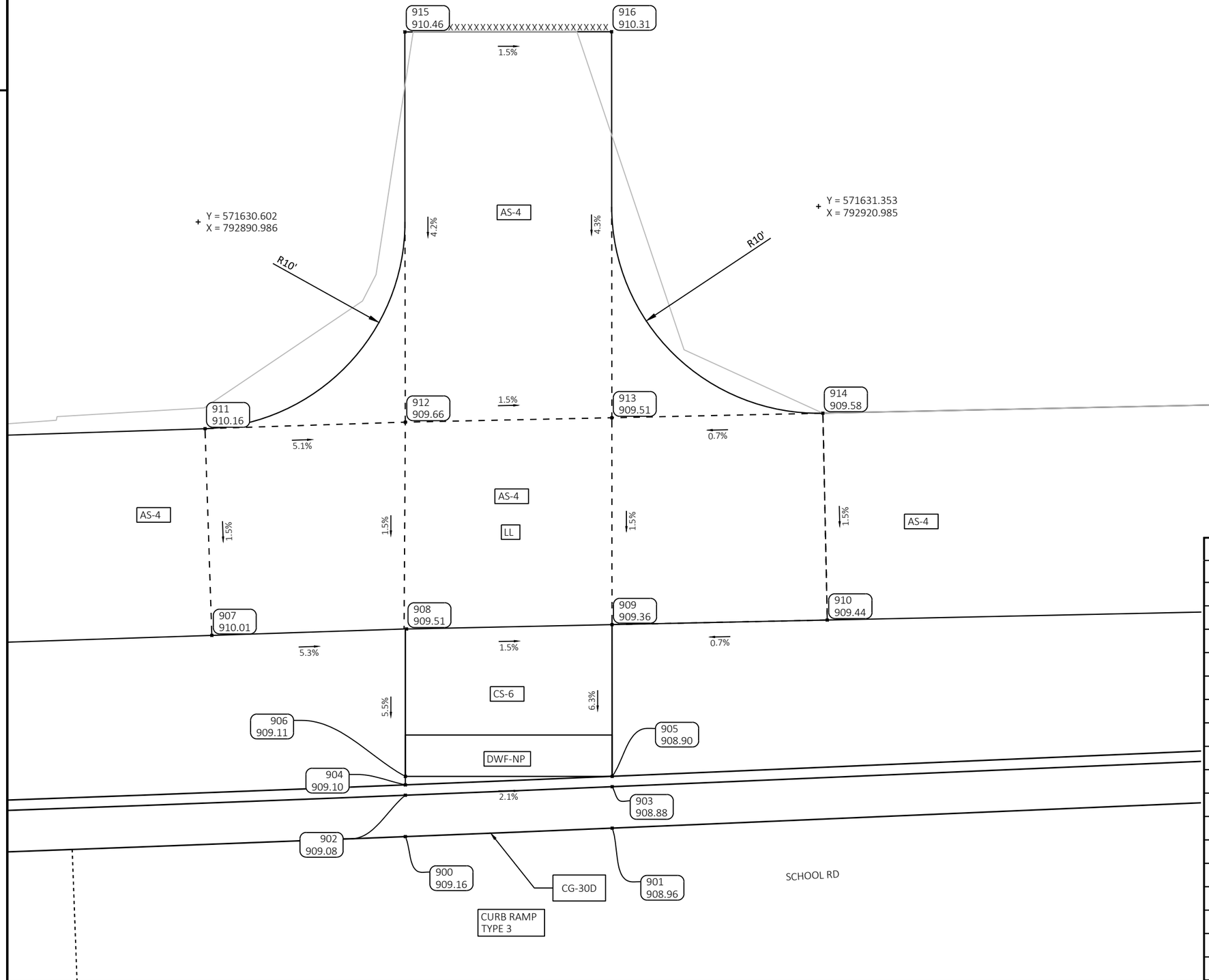
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

STH 76 SE QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
450	902.22	571,478.09	793,318.61	FLANGE	112+94.08	15.79 RT
451	902.28	571,487.43	793,322.21	FLANGE	113+05.34	15.92 RT
452	902.14	571,477.31	793,320.45	FL	112+93.89	17.79 RT
453	902.20	571,486.65	793,324.05	FL	113+05.32	17.92 RT
454	902.16	571,476.92	793,321.38	BOC	112+93.79	18.79 RT
455	902.22	571,486.26	793,324.97	BOC	113+05.31	18.92 RT
456	902.23	571,486.13	793,325.28	DWF	113+05.31	19.26 RT
457	902.36	571,473.00	793,330.61	SW	112+92.69	28.78 RT
458	902.39	571,482.35	793,334.17	SW	113+05.22	28.92 RT
459	902.54	571,469.53	793,338.79	SW	112+91.54	37.62 RT
460	902.55	571,478.74	793,342.69	SW	113+05.13	38.18 RT
461	902.70	571,474.83	793,351.90	SW	113+05.00	48.17 RT
462	902.64	571,465.51	793,348.36	SW	112+89.98	47.94 RT



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

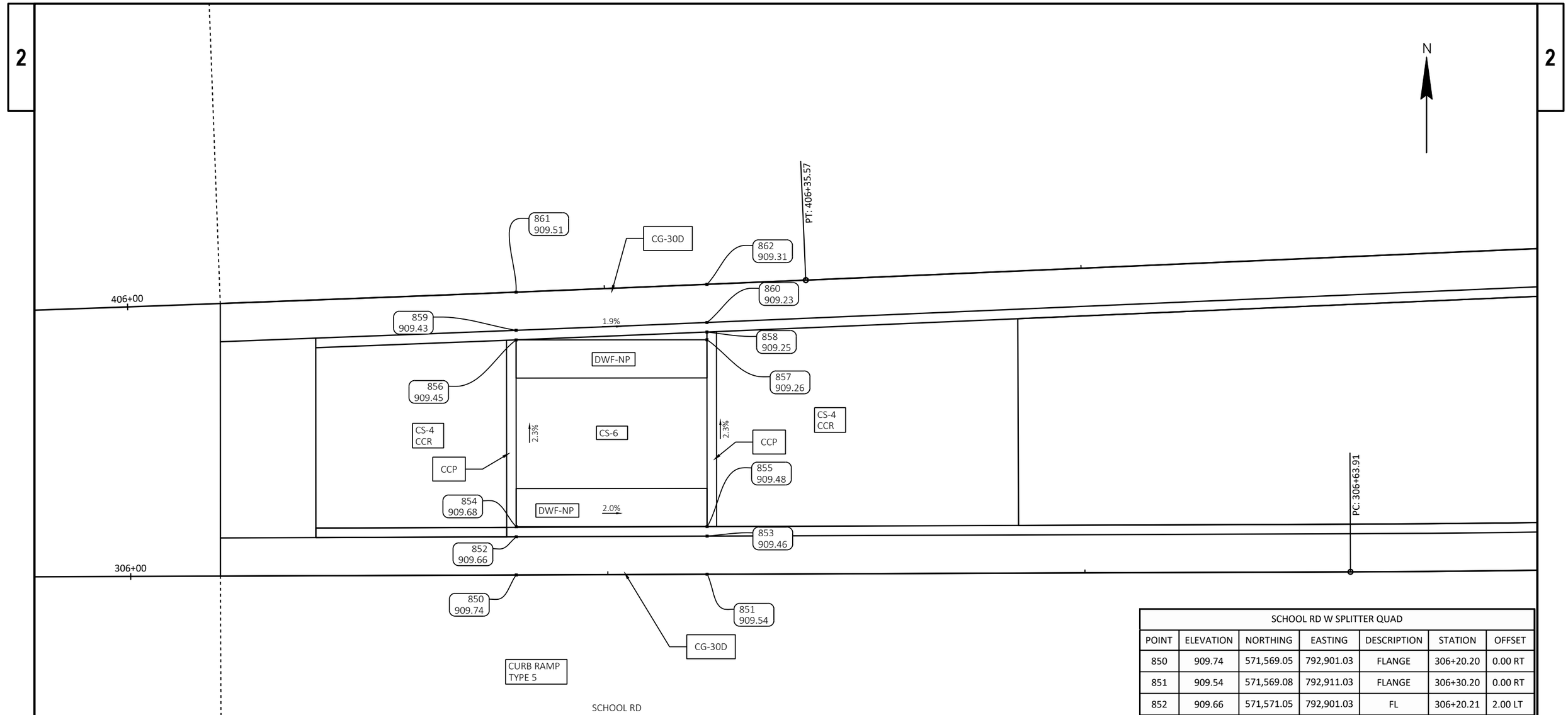
SCHOOL RD N QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
900	909.16	571,600.88	792,901.01	FLANGE	306+20.30	31.84 LT
901	908.96	571,601.30	792,911.01	FLANGE	306+30.30	32.21 LT
902	909.08	571,602.89	792,901.01	FL	306+20.30	33.84 LT
903	908.88	571,603.30	792,911.01	FL	306+30.30	34.21 LT
904	909.10	571,603.39	792,901.01	BOC	306+20.30	34.34 LT
905	908.90	571,603.80	792,911.01	BOC	306+30.31	34.71 LT
906	909.11	571,603.80	792,901.00	DWF	306+20.30	34.75 LT
907	910.01	571,610.61	792,891.65	SW	306+10.97	41.60 LT
908	909.51	571,610.92	792,901.06	SW	306+20.39	41.88 LT
909	909.36	571,611.14	792,911.00	SW	306+30.33	42.05 LT
910	909.44	571,611.36	792,921.41	SW	306+40.74	42.23 LT
911	910.16	571,620.61	792,891.32	SW	306+10.68	51.60 LT
912	909.66	571,620.92	792,901.00	SW	306+20.37	51.88 LT
913	909.51	571,621.14	792,910.99	SW	306+30.36	52.05 LT
914	909.58	571,621.35	792,921.20	SW	306+40.56	52.23 LT
915	910.46	571,639.79	792,900.98	SW	306+20.41	70.74 LT
916	910.31	571,639.80	792,910.98	SW	306+30.41	70.71 LT

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 32	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021301-CR.DWG
LAYOUT NAME - 643020-021308-cr
PLOT DATE : 6/1/2023 10:39 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2



SCHOOL RD W SPLITTER QUAD						
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
850	909.74	571,569.05	792,901.03	FLANGE	306+20.20	0.00 RT
851	909.54	571,569.08	792,911.03	FLANGE	306+30.20	0.00 RT
852	909.66	571,571.05	792,901.03	FL	306+20.21	2.00 LT
853	909.46	571,571.08	792,911.03	FL	306+30.21	2.00 LT
854	909.68	571,571.58	792,901.03	BOC	306+20.21	2.53 LT
855	909.48	571,571.58	792,911.03	BOC	306+30.21	2.50 LT
856	909.45	571,581.37	792,901.02	BOC	306+20.24	12.32 LT
857	909.26	571,581.38	792,911.02	DWF	306+30.24	12.29 LT
858	909.25	571,581.78	792,911.02	BOC	306+30.24	12.70 LT
859	909.43	571,581.87	792,901.02	FL	306+20.24	12.82 LT
860	909.23	571,582.28	792,911.02	FL	306+30.24	13.20 LT
861	909.51	571,583.87	792,901.02	FLANGE	306+20.24	14.83 LT
862	909.31	571,584.28	792,911.02	FLANGE	306+30.25	15.20 LT

NOTES:

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2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

2

2

PC 3

N

SCHOOL RD

CURB RAMP TYPE 3

800 909.89

CG-30D

801 909.75

802 909.81

803 909.67

DWF-NP

805 909.69

804 909.83

6.0%

CS-6

6.0%

806 910.43

1.4%

807 910.29

2.4%

810 909.80

LL

0.1%

AS-4

1.5%

AS-4

808 910.44

0.0%

809 910.44

2.1%

4.2%

811 909.59

NOTES:

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LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

SCHOOL RD S QUAD

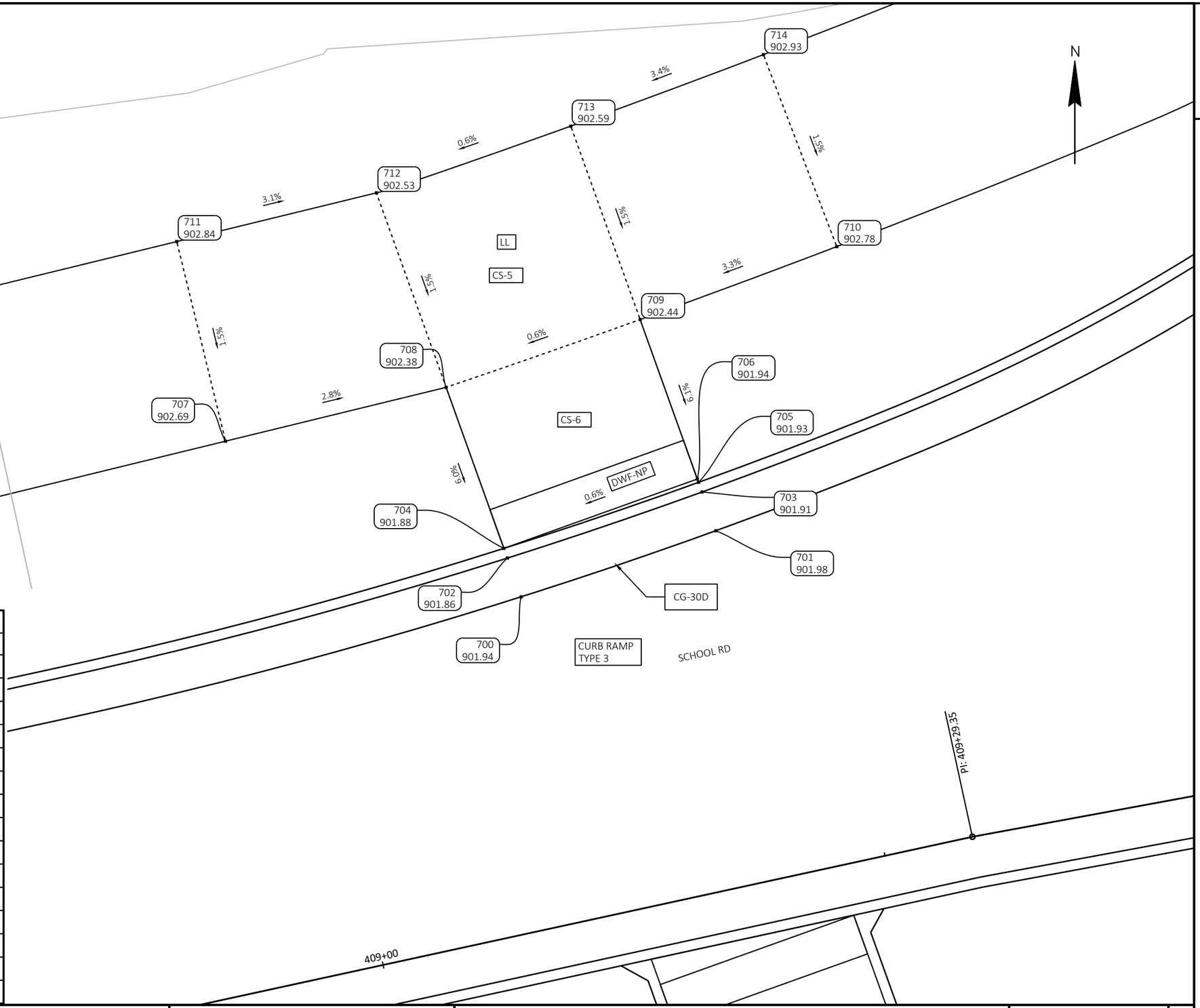
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
800	909.89	571,552.05	792,901.04	FLANGE	306+20.15	17.00 RT
801	909.75	571,552.08	792,911.05	FLANGE	306+30.15	17.00 RT
802	909.81	571,550.05	792,901.05	FL	306+20.14	19.00 RT
803	909.67	571,550.08	792,911.05	FL	306+30.14	19.00 RT
804	909.83	571,549.55	792,901.05	BOC	306+20.14	19.50 RT
805	909.69	571,549.58	792,911.05	BOC	306+30.15	19.50 RT
806	910.43	571,539.53	792,901.05	SW	306+20.11	29.51 RT
807	910.29	571,539.54	792,911.05	SW	306+30.11	29.54 RT
808	910.44	571,531.25	792,901.06	SW	306+20.09	37.80 RT
809	910.44	571,529.71	792,909.19	SW	306+28.22	39.36 RT
810	909.80	571,535.78	792,930.96	SW	306+50.00	33.37 RT
811	909.59	571,525.96	792,929.10	SW	306+48.11	43.19 RT

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 34	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021301-CR.DWG
LAYOUT NAME - 643020-021310-cr

PLOT DATE : 6/1/2023 10:40 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:5 FT

2



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

SCHOOL RD NW QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
700	901.94	571,630.30	793,185.21	FLANGE	309+01.83	40.27 LT
701	901.98	571,633.51	793,194.68	FLANGE	309+08.50	44.63 LT
702	901.86	571,632.18	793,184.53	FL	309+01.20	42.08 LT
703	901.91	571,635.40	793,194.01	FL	309+07.81	46.39 LT
704	901.88	571,632.65	793,184.37	BOC	309+01.04	42.54 LT
705	901.93	571,635.87	793,193.84	BOC	309+07.64	46.83 LT
706	901.94	571,636.03	793,193.78	DWF	309+07.58	46.98 LT
707	902.69	571,637.87	793,170.82	SW	308+90.98	47.11 LT
708	902.38	571,640.49	793,181.56	SW	308+98.57	50.13 LT
709	902.44	571,643.79	793,191.00	SW	309+04.92	54.31 LT
710	902.78	571,647.34	793,200.57	SW	309+11.01	59.22 LT
711	902.84	571,647.59	793,168.45	SW	308+89.33	56.83 LT
712	902.53	571,649.96	793,178.16	SW	308+95.86	59.39 LT
713	902.59	571,653.20	793,187.62	SW	309+01.97	63.30 LT
714	902.93	571,656.68	793,197.00	SW	309+07.73	67.89 LT

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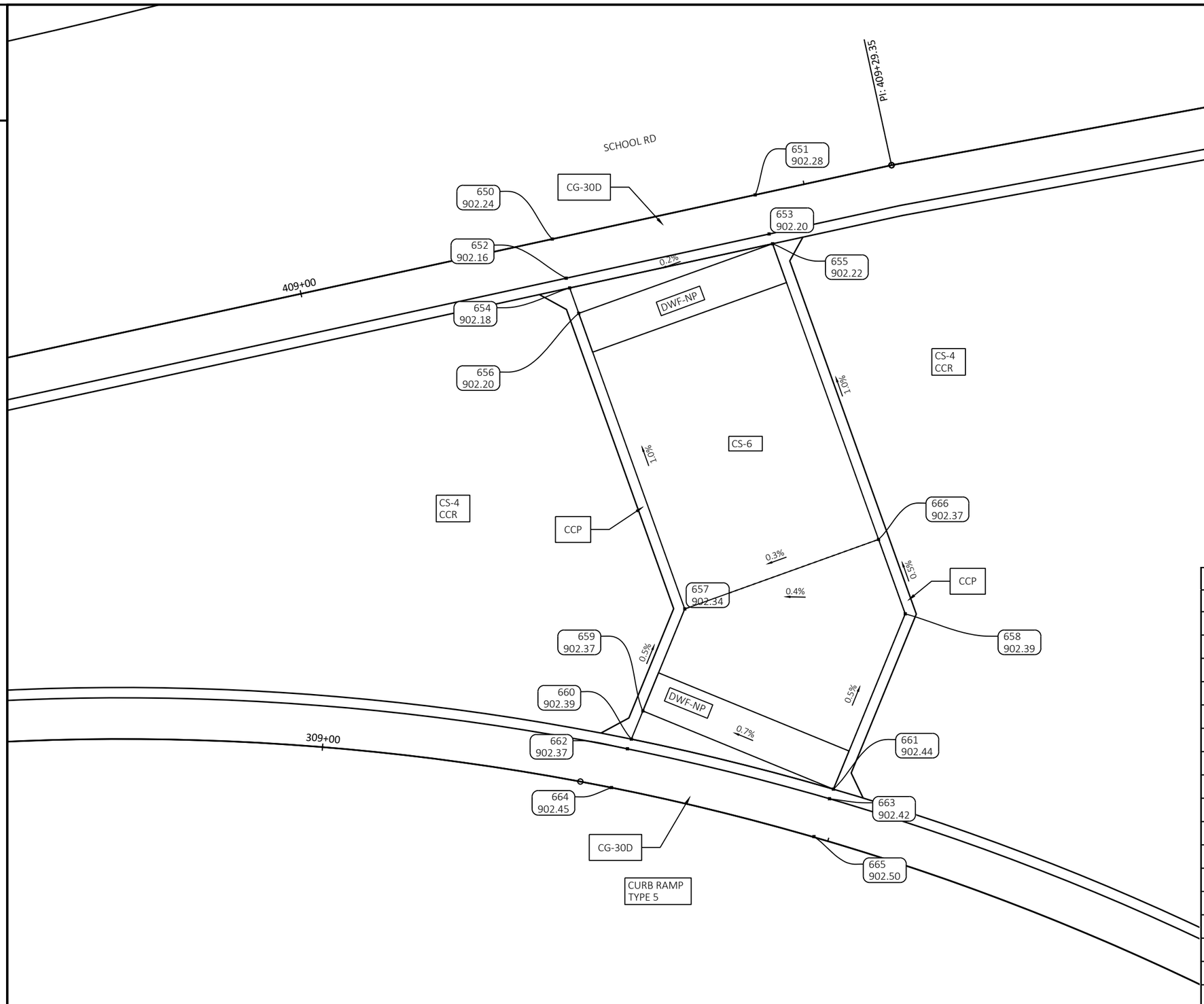


NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

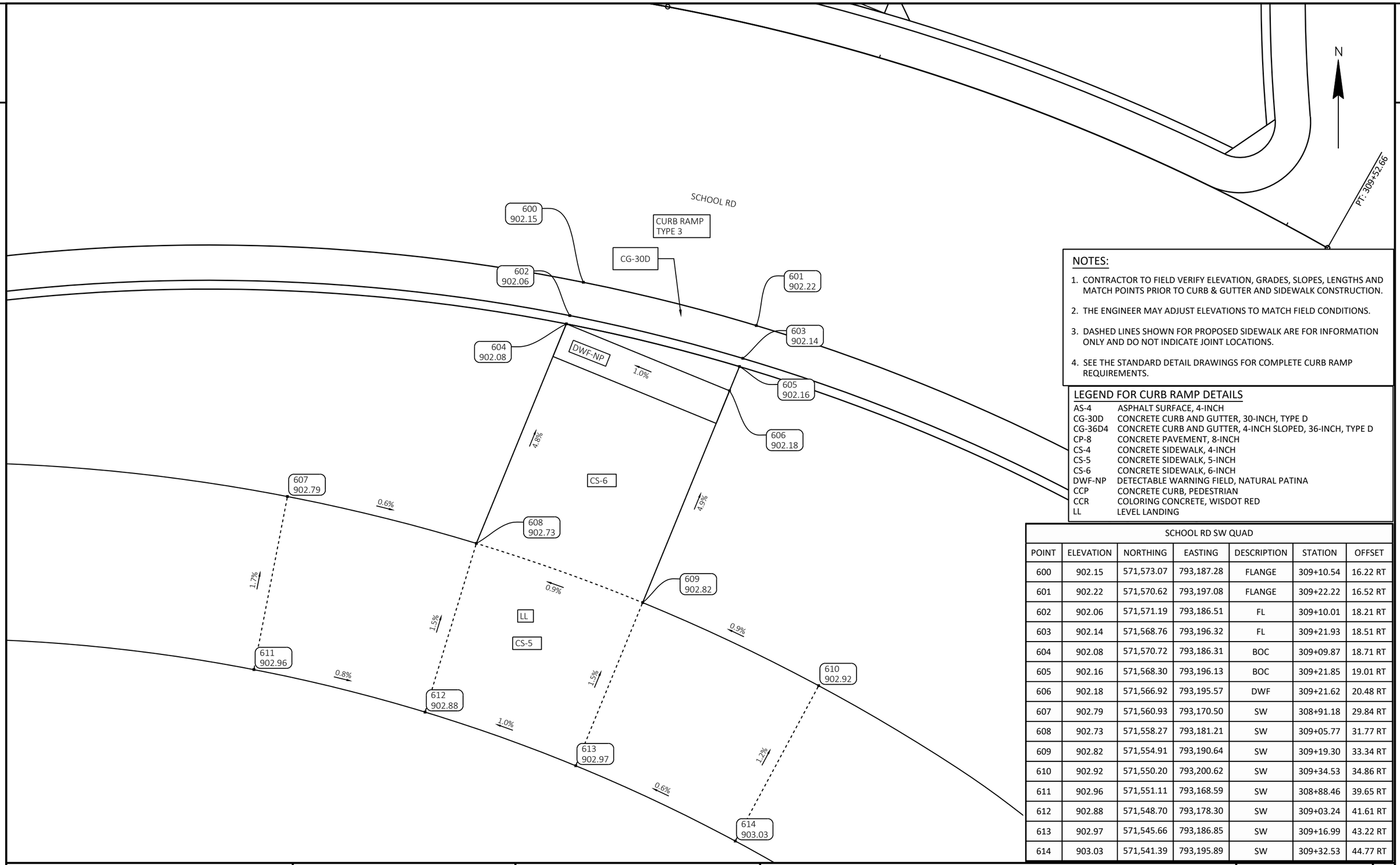
AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

SCHOOL RD W SPLITTER INTER. QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
650	902.24	571,615.03	793,190.69	FLANGE	309+07.53	25.76 LT
651	902.28	571,617.18	793,200.54	FLANGE	309+15.13	29.58 LT
652	902.16	571,613.13	793,191.37	FL	309+08.32	23.98 LT
653	902.20	571,615.28	793,201.22	FL	309+15.99	27.87 LT
654	902.18	571,612.66	793,191.54	BOC	309+08.52	23.54 LT
655	902.22	571,614.80	793,201.39	BOC	309+16.20	27.44 LT
656	902.20	571,611.43	793,191.98	DWF	309+09.04	22.39 LT
657	902.34	571,597.08	793,197.13	SW	309+15.83	9.21 LT
658	902.39	571,596.84	793,207.83	SW	309+25.44	11.65 LT
659	902.37	571,592.13	793,195.09	DWF	309+14.92	3.95 LT
660	902.39	571,590.76	793,194.53	BOC	309+14.65	2.50 LT
661	902.44	571,588.33	793,204.35	BOC	309+24.56	2.50 LT
662	902.37	571,590.29	793,194.34	FL	309+14.56	2.00 LT
663	902.42	571,587.87	793,204.16	FL	309+24.51	2.00 LT
664	902.45	571,588.41	793,193.57	FLANGE	309+14.18	0.00 RT
665	902.50	571,586.03	793,203.40	FLANGE	309+24.30	0.02 LT
666	902.37	571,600.46	793,206.54	SW	309+23.41	14.76 LT

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 36	E

2



NOTES:

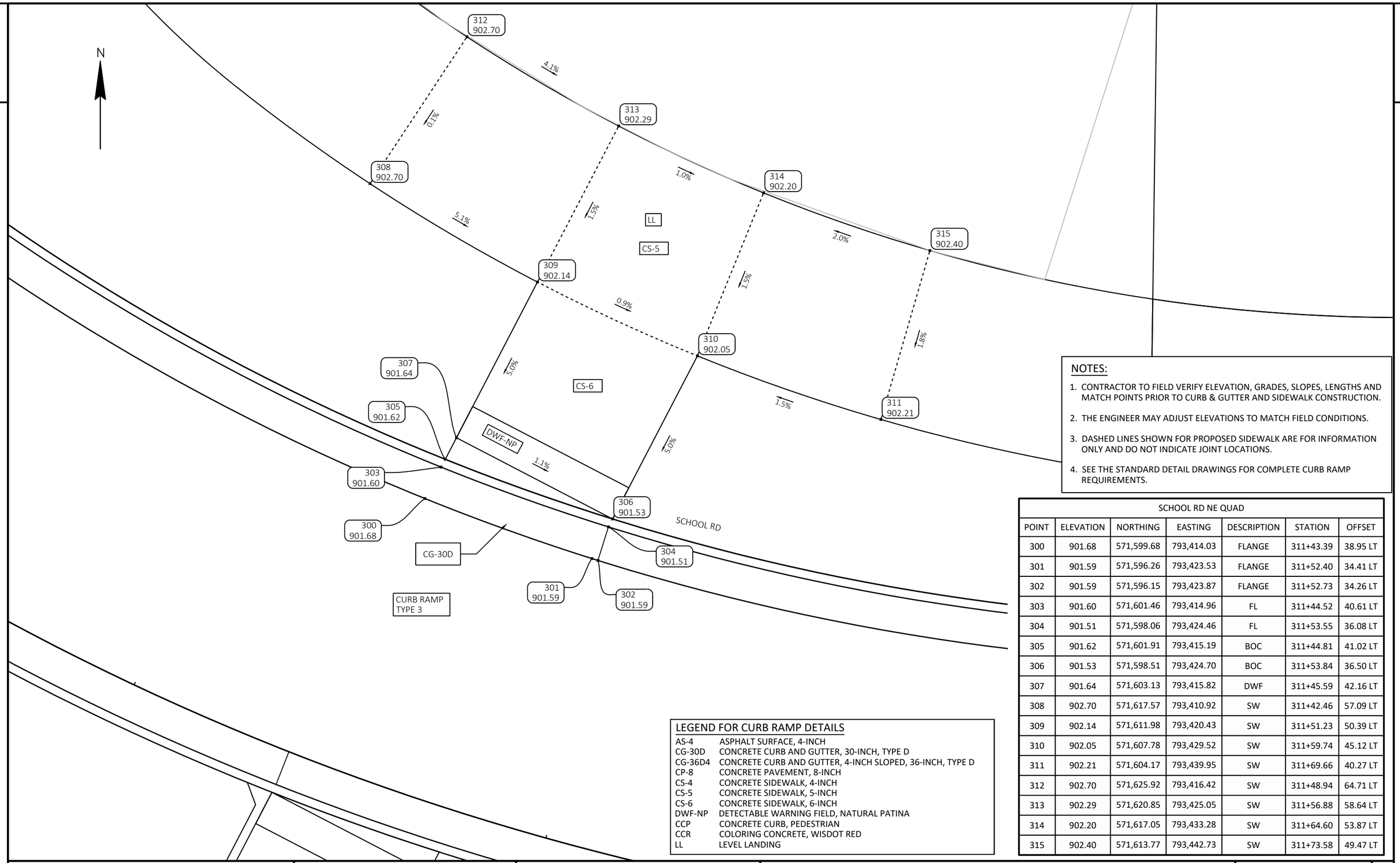
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

SCHOOL RD SW QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
600	902.15	571,573.07	793,187.28	FLANGE	309+10.54	16.22 RT
601	902.22	571,570.62	793,197.08	FLANGE	309+22.22	16.52 RT
602	902.06	571,571.19	793,186.51	FL	309+10.01	18.21 RT
603	902.14	571,568.76	793,196.32	FL	309+21.93	18.51 RT
604	902.08	571,570.72	793,186.31	BOC	309+09.87	18.71 RT
605	902.16	571,568.30	793,196.13	BOC	309+21.85	19.01 RT
606	902.18	571,566.92	793,195.57	DWF	309+21.62	20.48 RT
607	902.79	571,560.93	793,170.50	SW	308+91.18	29.84 RT
608	902.73	571,558.27	793,181.21	SW	309+05.77	31.77 RT
609	902.82	571,554.91	793,190.64	SW	309+19.30	33.34 RT
610	902.92	571,550.20	793,200.62	SW	309+34.53	34.86 RT
611	902.96	571,551.11	793,168.59	SW	308+88.46	39.65 RT
612	902.88	571,548.70	793,178.30	SW	309+03.24	41.61 RT
613	902.97	571,545.66	793,186.85	SW	309+16.99	43.22 RT
614	903.03	571,541.39	793,195.89	SW	309+32.53	44.77 RT



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

SCHOOL RD NE QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
300	901.68	571,599.68	793,414.03	FLANGE	311+43.39	38.95 LT
301	901.59	571,596.26	793,423.53	FLANGE	311+52.40	34.41 LT
302	901.59	571,596.15	793,423.87	FLANGE	311+52.73	34.26 LT
303	901.60	571,601.46	793,414.96	FL	311+44.52	40.61 LT
304	901.51	571,598.06	793,424.46	FL	311+53.55	36.08 LT
305	901.62	571,601.91	793,415.19	BOC	311+44.81	41.02 LT
306	901.53	571,598.51	793,424.70	BOC	311+53.84	36.50 LT
307	901.64	571,603.13	793,415.82	DWF	311+45.59	42.16 LT
308	902.70	571,617.57	793,410.92	SW	311+42.46	57.09 LT
309	902.14	571,611.98	793,420.43	SW	311+51.23	50.39 LT
310	902.05	571,607.78	793,429.52	SW	311+59.74	45.12 LT
311	902.21	571,604.17	793,439.95	SW	311+69.66	40.27 LT
312	902.70	571,625.92	793,416.42	SW	311+48.94	64.71 LT
313	902.29	571,620.85	793,425.05	SW	311+56.88	58.64 LT
314	902.20	571,617.05	793,433.28	SW	311+64.60	53.87 LT
315	902.40	571,613.77	793,442.73	SW	311+73.58	49.47 LT

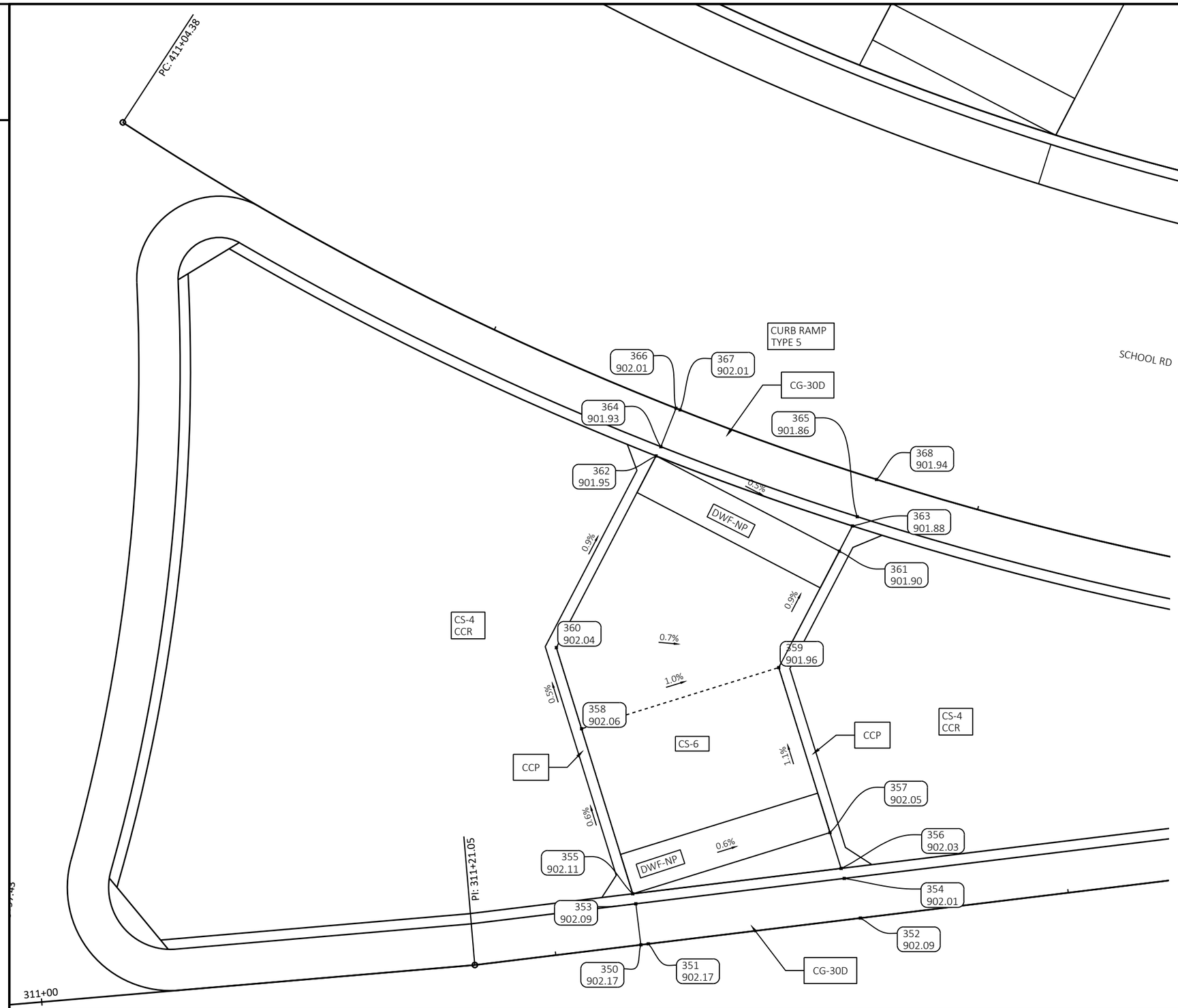
LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 38	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021301-CR.DWG
LAYOUT NAME - 643020-021314-cr

PLOT DATE : 6/1/2023 10:40 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:5 FT



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

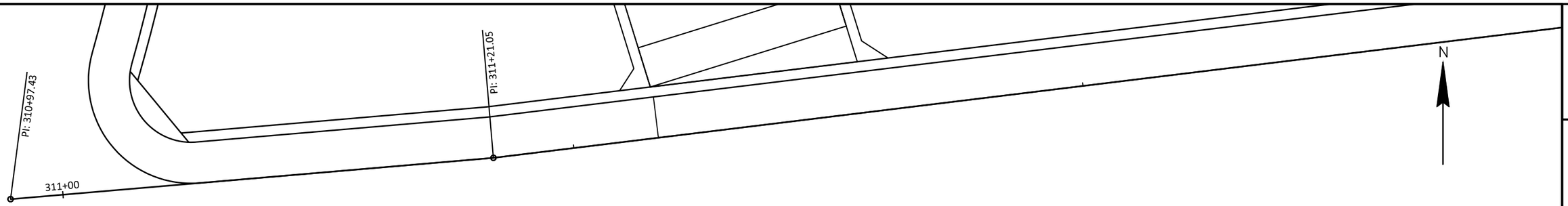
SCHOOL RD E SPLITTER QUAD

POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
350	902.17	571,559.29	793,404.61	FLANGE	311+29.15	0.00 RT
351	902.17	571,559.34	793,404.97	FLANGE	311+29.51	0.00 RT
352	902.09	571,560.59	793,415.24	FLANGE	311+39.86	0.00 RT
353	902.09	571,561.28	793,404.36	FL	311+29.15	2.00 LT
354	902.01	571,562.51	793,414.45	FL	311+39.31	2.00 LT
355	902.11	571,561.76	793,404.21	BOC	311+29.06	2.50 LT
356	902.03	571,562.99	793,414.30	BOC	311+39.22	2.50 LT
357	902.05	571,564.73	793,413.76	DWF	311+38.90	4.29 LT
358	902.06	571,569.76	793,401.73	SW	311+27.56	10.74 LT
359	901.96	571,572.72	793,411.28	SW	311+37.40	12.52 LT
360	902.04	571,573.69	793,400.51	SW	311+26.83	14.78 LT
361	901.90	571,578.36	793,414.22	DWF	311+41.00	17.76 LT
362	901.95	571,582.97	793,405.34	BOC	311+32.75	23.42 LT
363	901.88	571,579.58	793,414.85	BOC	311+41.77	18.90 LT
364	901.93	571,583.42	793,405.57	FL	311+33.03	23.83 LT
365	901.86	571,580.03	793,415.08	FL	311+42.06	19.32 LT
366	902.01	571,585.28	793,406.31	FLANGE	311+33.98	25.59 LT
367	902.01	571,585.20	793,406.50	FLANGE	311+34.17	25.49 LT
368	901.94	571,581.83	793,416.02	FLANGE	311+43.21	20.99 LT

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 39	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021301-CR.DWG
LAYOUT NAME - 643020-021315-cr
PLOT DATE : 6/1/2023 10:40 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:5 FT

2



NOTES:

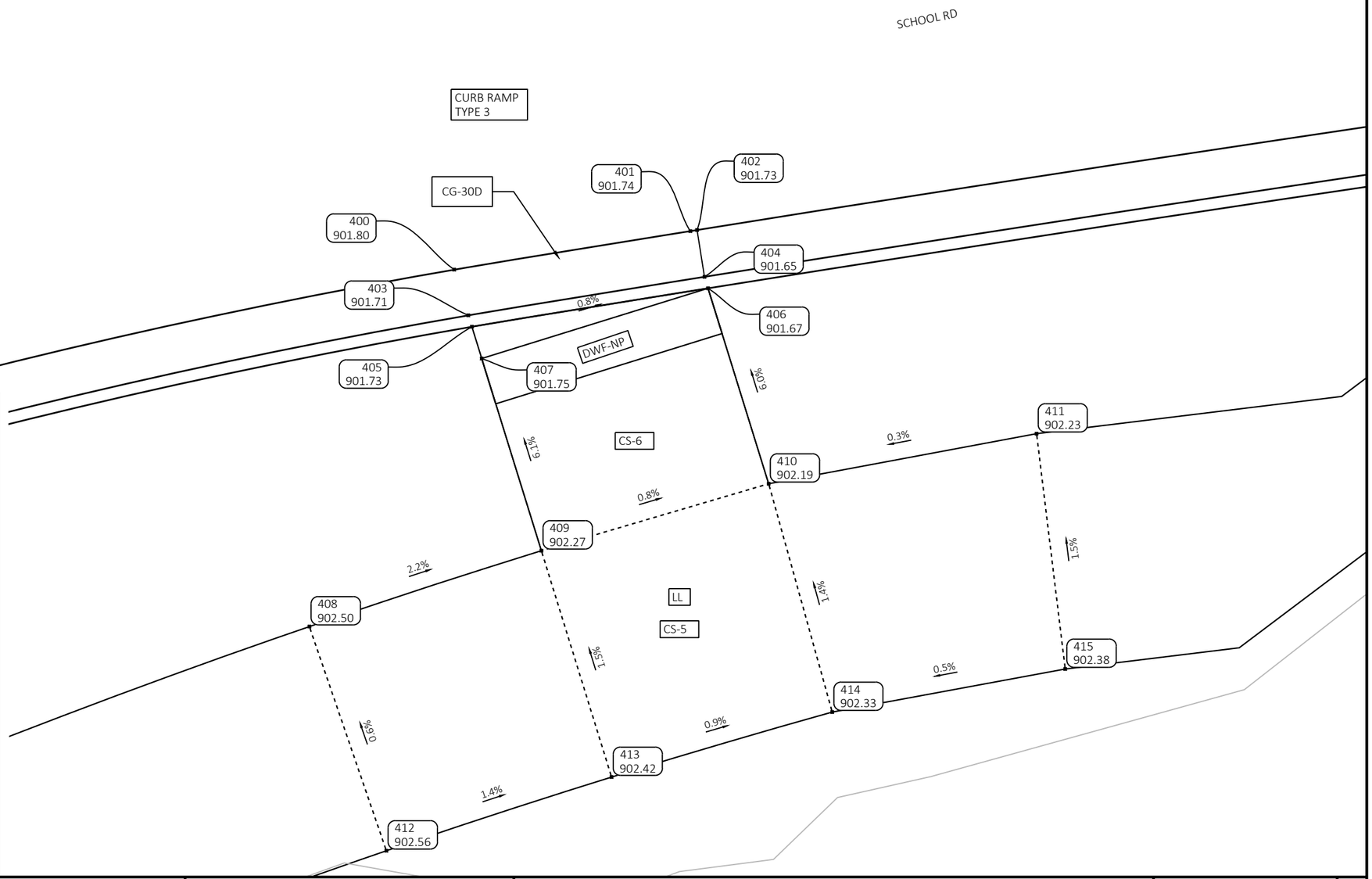
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB & GUTTER AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND FOR CURB RAMP DETAILS

AS-4	ASPHALT SURFACE, 4-INCH
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE D
CP-8	CONCRETE PAVEMENT, 8-INCH
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-5	CONCRETE SIDEWALK, 5-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
DWF-NP	DETECTABLE WARNING FIELD, NATURAL PATINA
CCP	CONCRETE CURB, PEDESTRIAN
CCR	COLORING CONCRETE, WISDOT RED
LL	LEVEL LANDING

SCHOOL RD SE QUAD

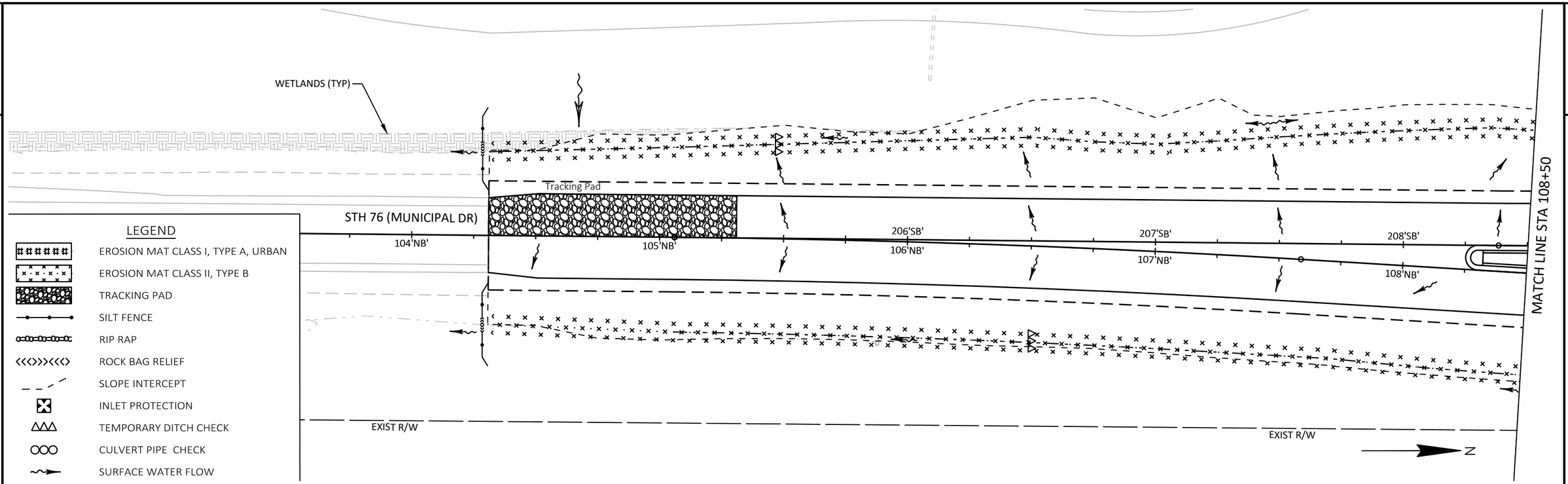
POINT	ELEVATION	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
400	901.80	571,542.68	793,410.13	FLANGE	311+32.63	17.16 RT
401	901.74	571,544.31	793,420.10	FLANGE	311+42.72	16.75 RT
402	901.73	571,544.35	793,420.38	FLANGE	311+43.01	16.74 RT
403	901.71	571,540.75	793,410.73	FL	311+32.99	19.14 RT
404	901.65	571,542.38	793,420.70	FL	311+43.08	18.74 RT
405	901.73	571,540.27	793,410.88	BOC	311+33.08	19.64 RT
406	901.67	571,541.89	793,420.85	BOC	311+43.17	19.23 RT
407	901.75	571,538.93	793,411.29	DWF	311+33.33	21.02 RT
408	902.50	571,527.62	793,404.02	SW	311+24.74	31.37 RT
409	902.27	571,530.82	793,413.81	SW	311+34.85	29.37 RT
410	902.19	571,533.65	793,423.41	SW	311+44.71	27.73 RT
411	902.23	571,535.76	793,434.71	SW	311+56.19	27.00 RT
412	902.56	571,518.17	793,407.27	SW	311+26.82	41.15 RT
413	902.42	571,521.27	793,416.78	SW	311+36.64	39.21 RT
414	902.33	571,524.01	793,426.09	SW	311+46.21	37.62 RT
415	902.38	571,525.83	793,435.92	SW	311+56.19	37.00 RT

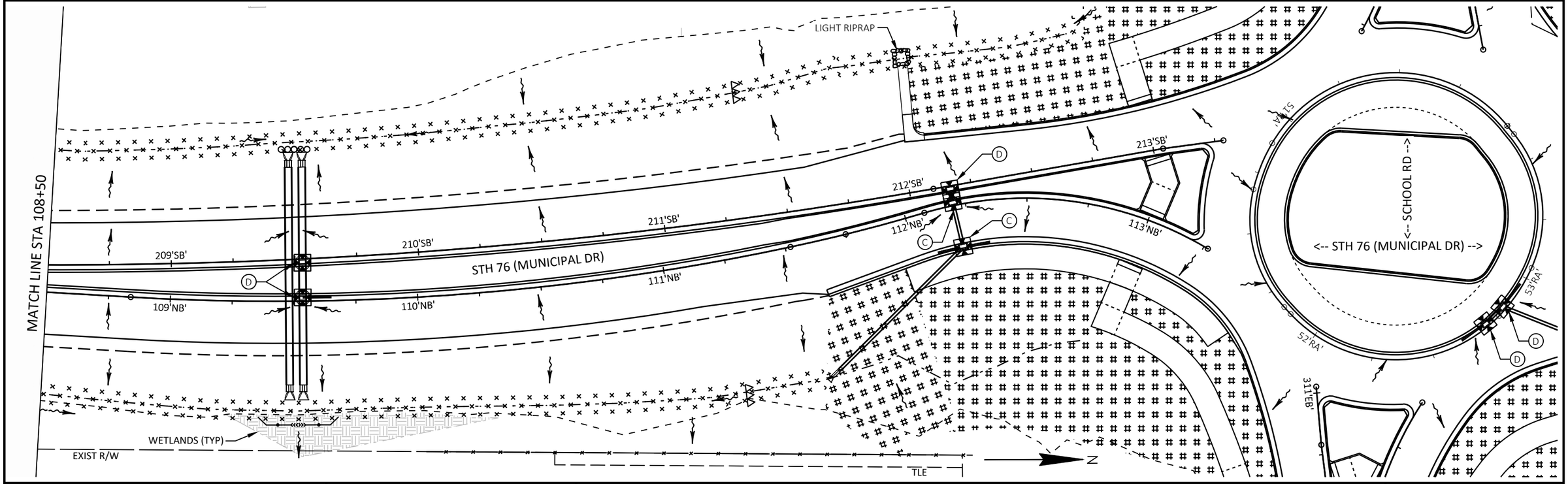


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CURB RAMP DETAILS	SHEET 40	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-021301-CR.DWG
LAYOUT NAME - 643020-021316-cr
PLOT DATE : 6/1/2023 10:40 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2





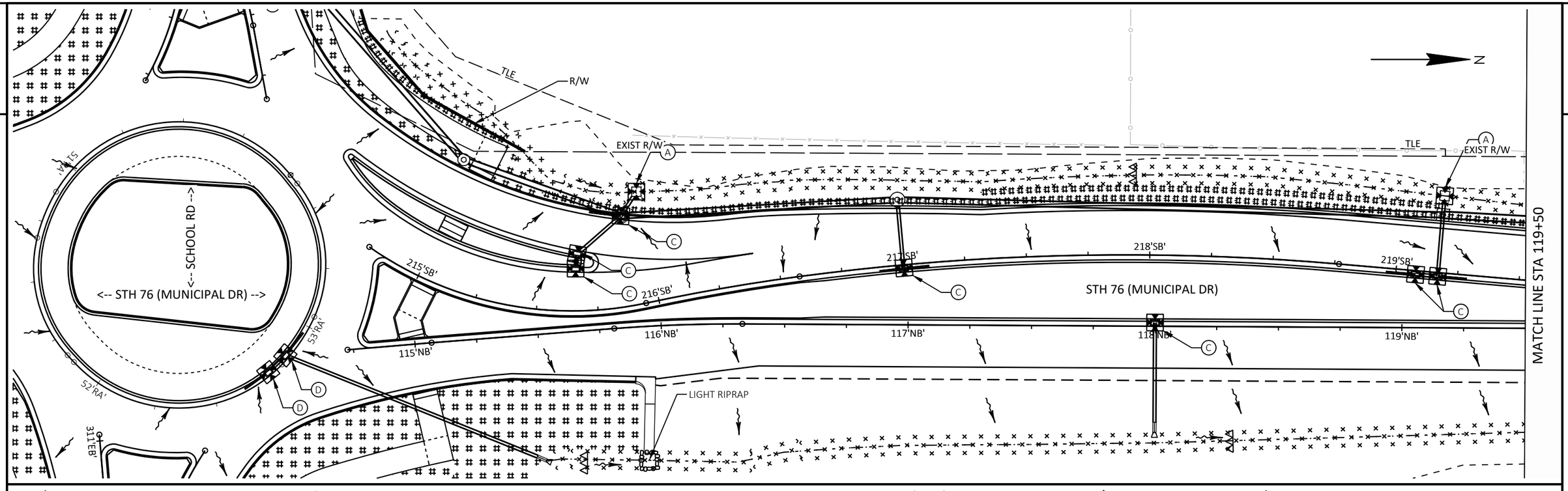
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	EROSION CONTROL - STH 76	SHEET 41	E

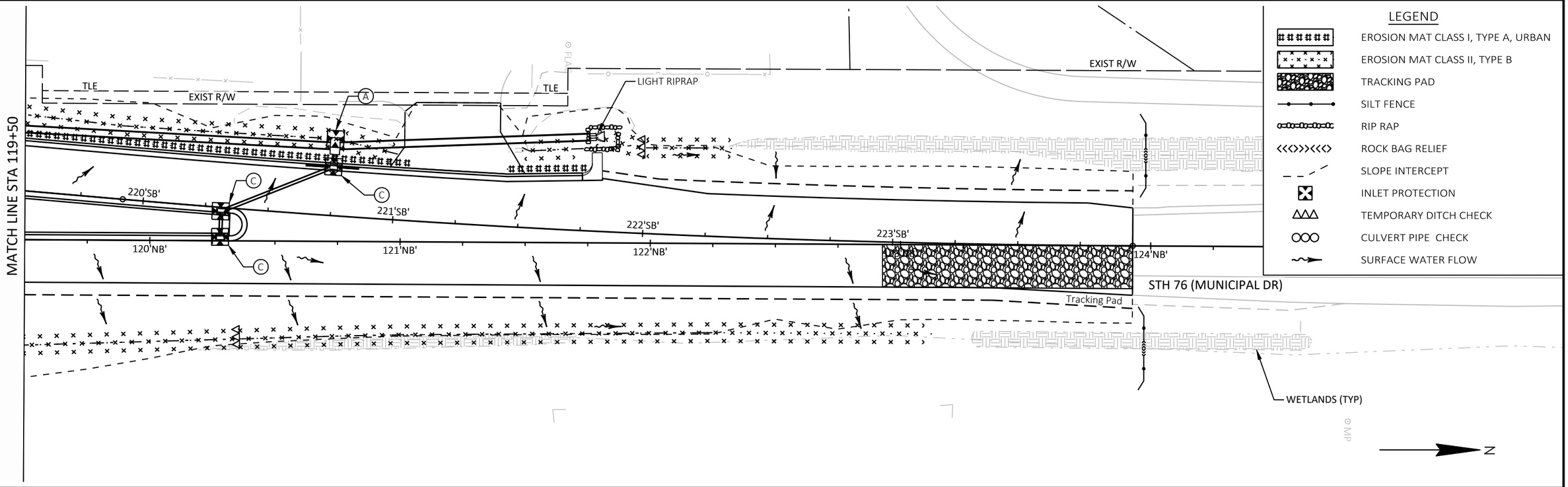
FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-022000-EC.DWG
LAYOUT NAME - 643020-022001-ec

PLOT DATE : 5/24/2023 2:20 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



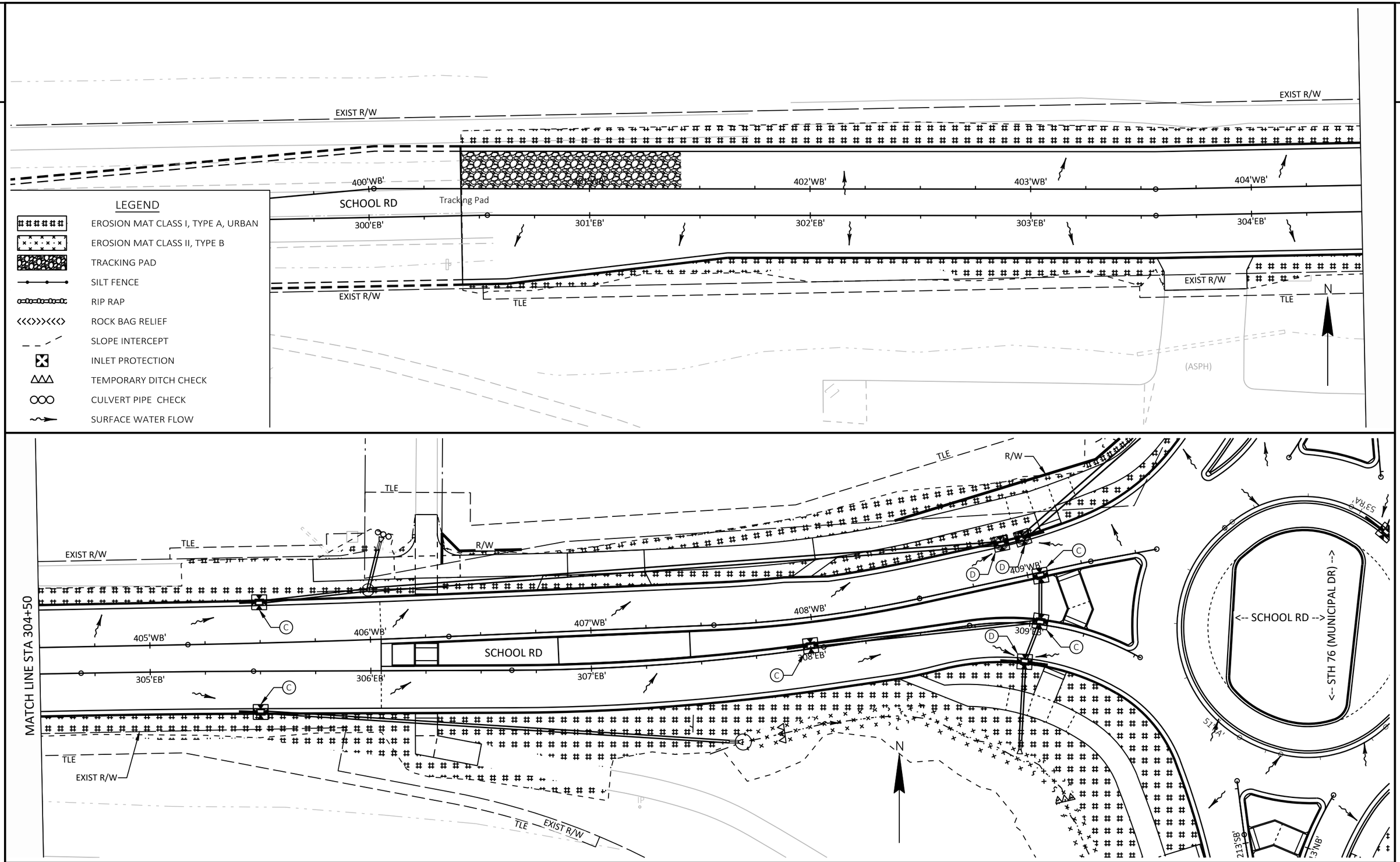


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	EROSION CONTROL - STH 76	SHEET 42	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-022000-EC.DWG
LAYOUT NAME - 643020-022005-ec

PLOT DATE : 5/24/2023 2:20 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



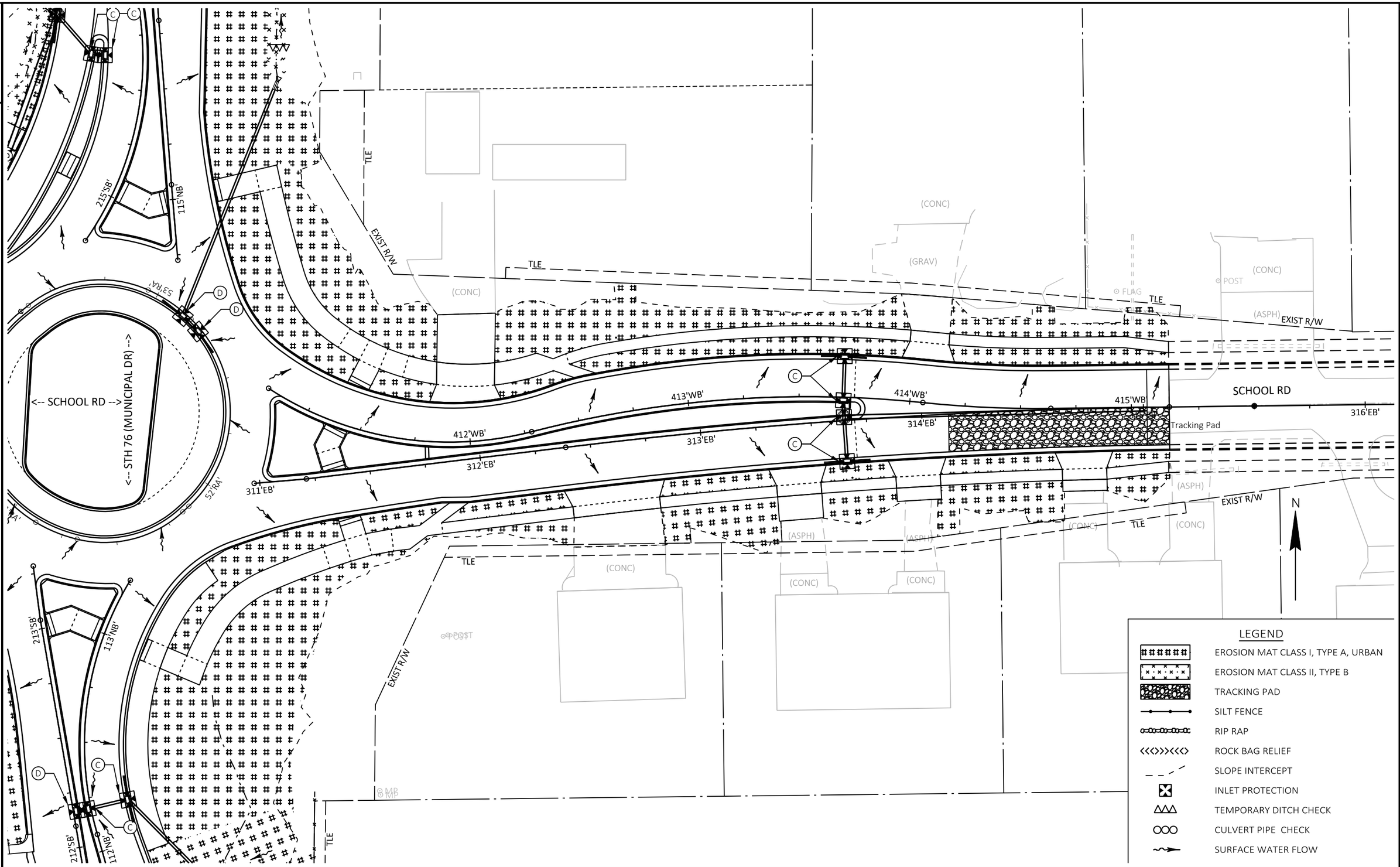
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	EROSION CONTROL - SCHOOL RD	SHEET 43	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-022000-EC.DWG
LAYOUT NAME - 643020-022011-ec

PLOT DATE : 5/24/2023 2:20 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

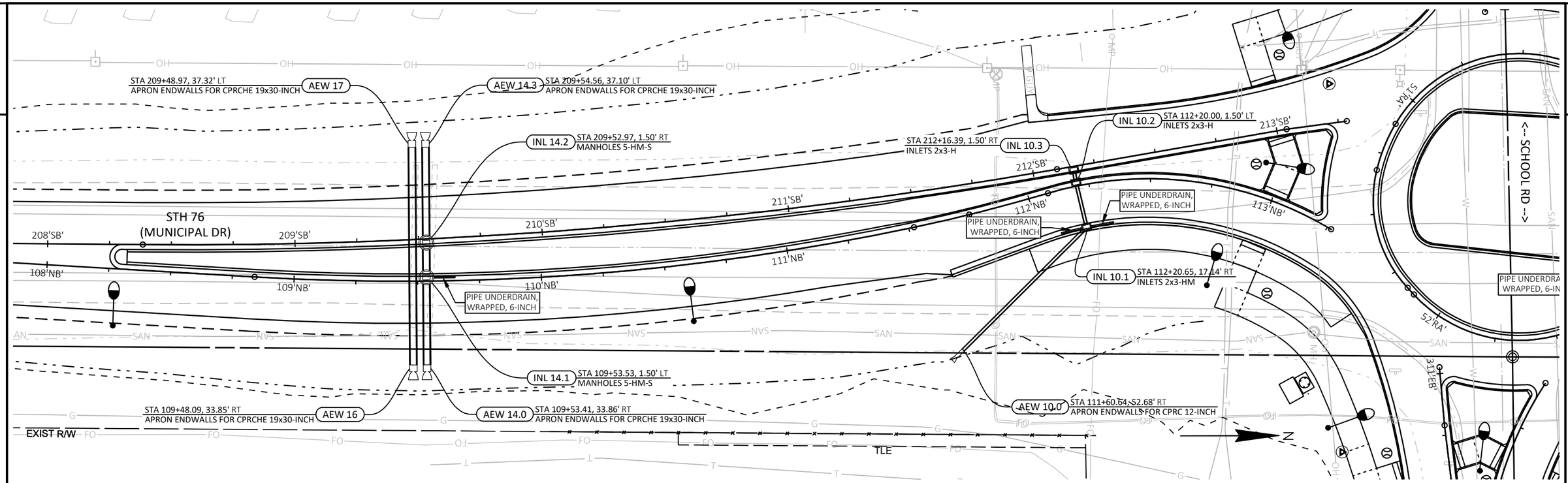
2



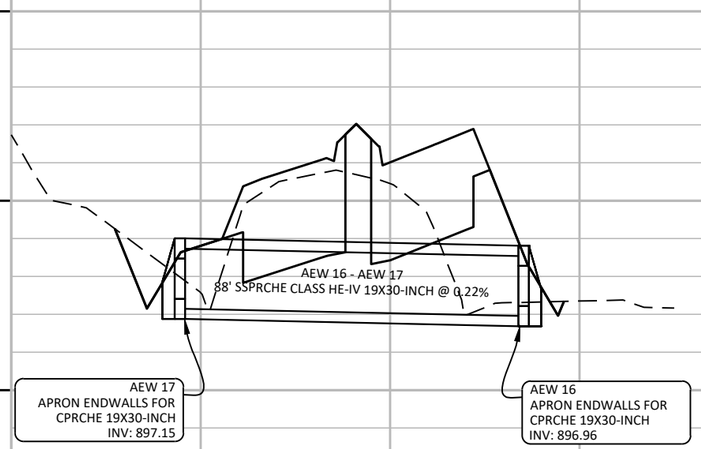
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	EROSION CONTROL - SCHOOL RD	SHEET 44	E

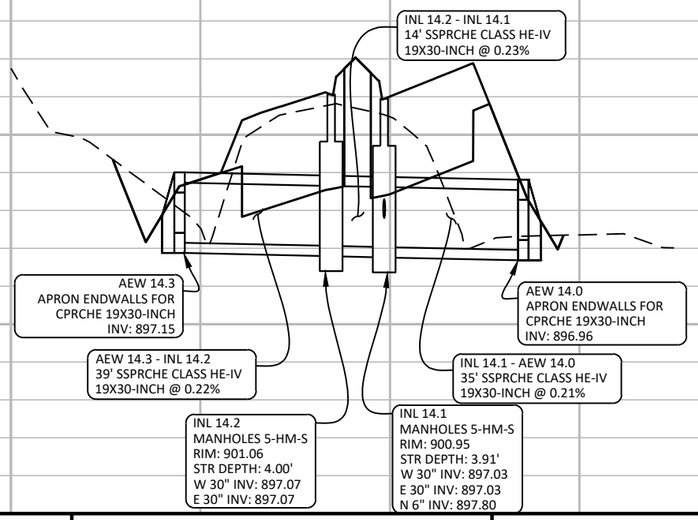
FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-022000-EC.DWG
LAYOUT NAME - 643020-022015-ec

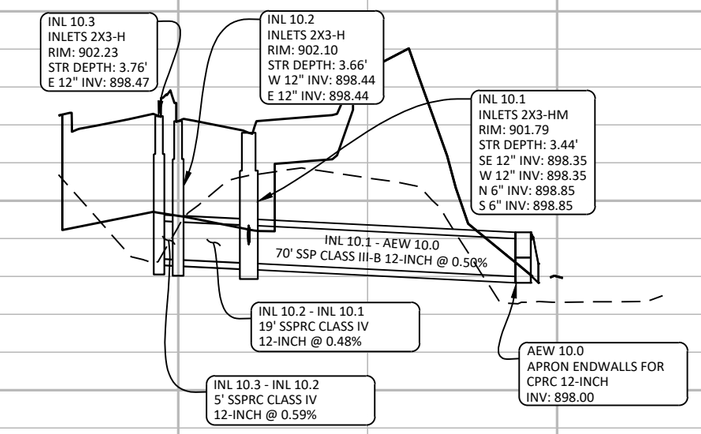
PLOT DATE : 5/24/2023 2:20 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



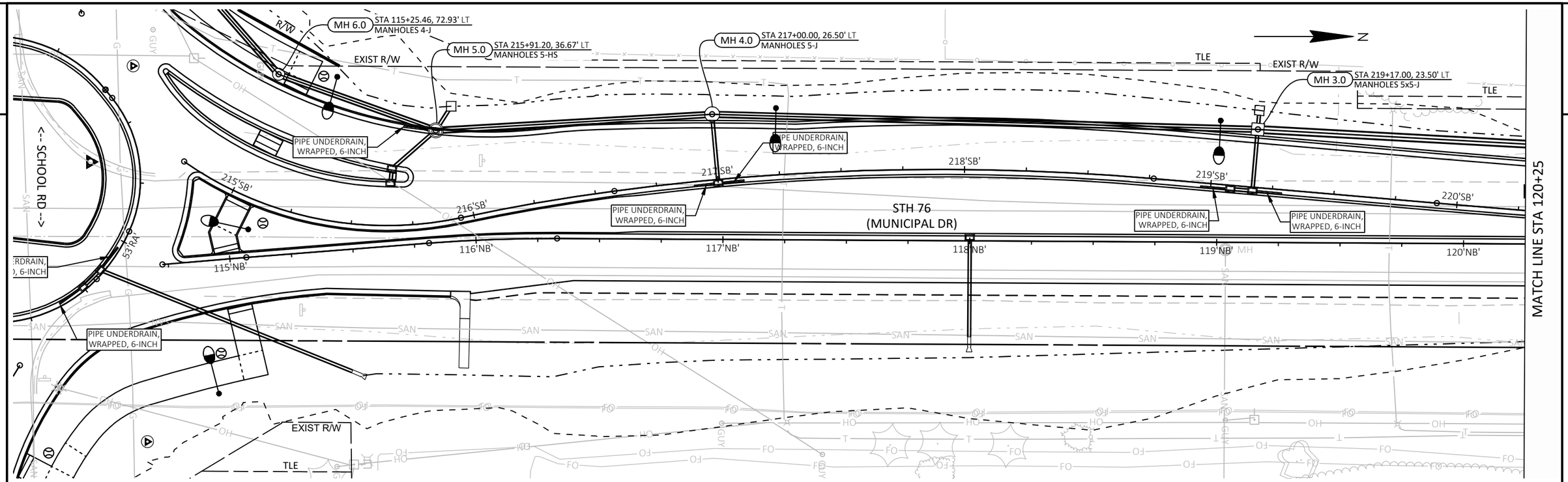
NOTE: ADD 0.06' TO RIM GRADE TO REACH FLANGE GRADE
STR DEPTH= RIM - INVERT FOR ALL STRUCTURES EXCEPT FOR TOWN OF GREENVILLE SPECIFIC STRUCTURES. USE CONSTRUCTION DETAIL FOR TOWN OF GREENVILLE STRUCTURE DEPTHS.

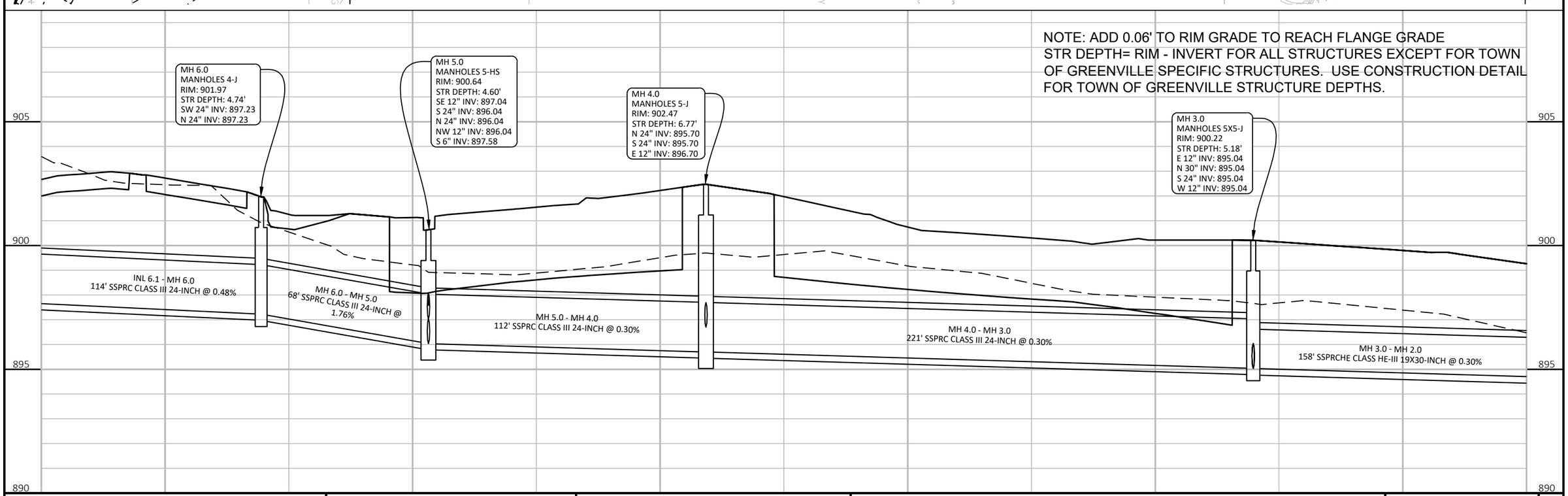




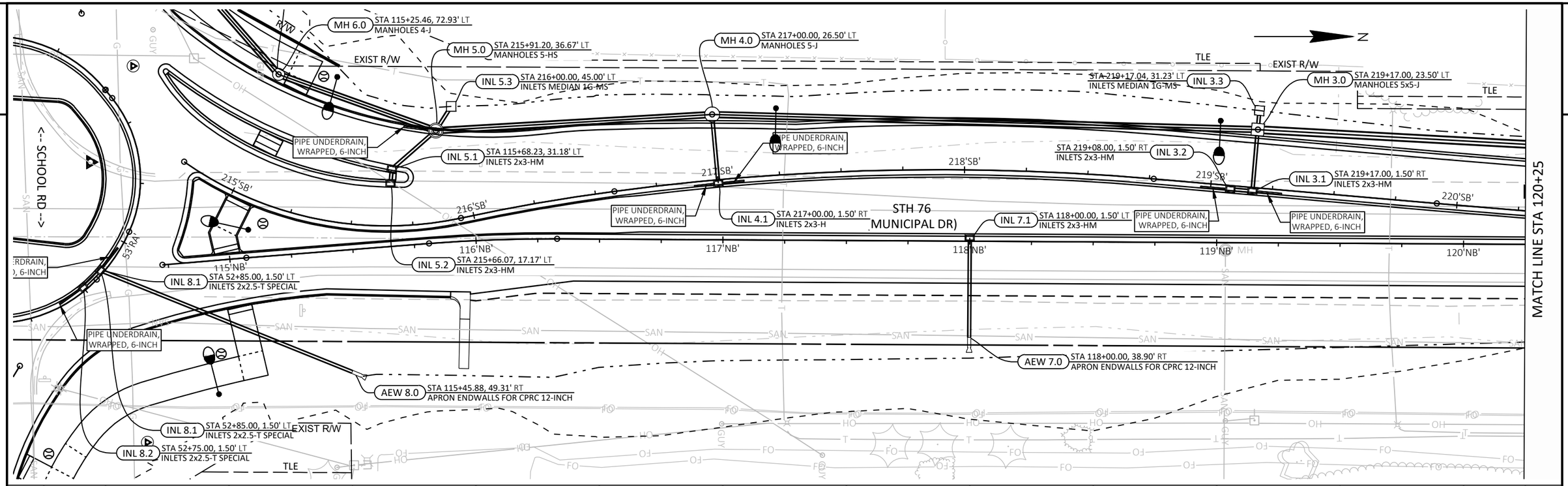


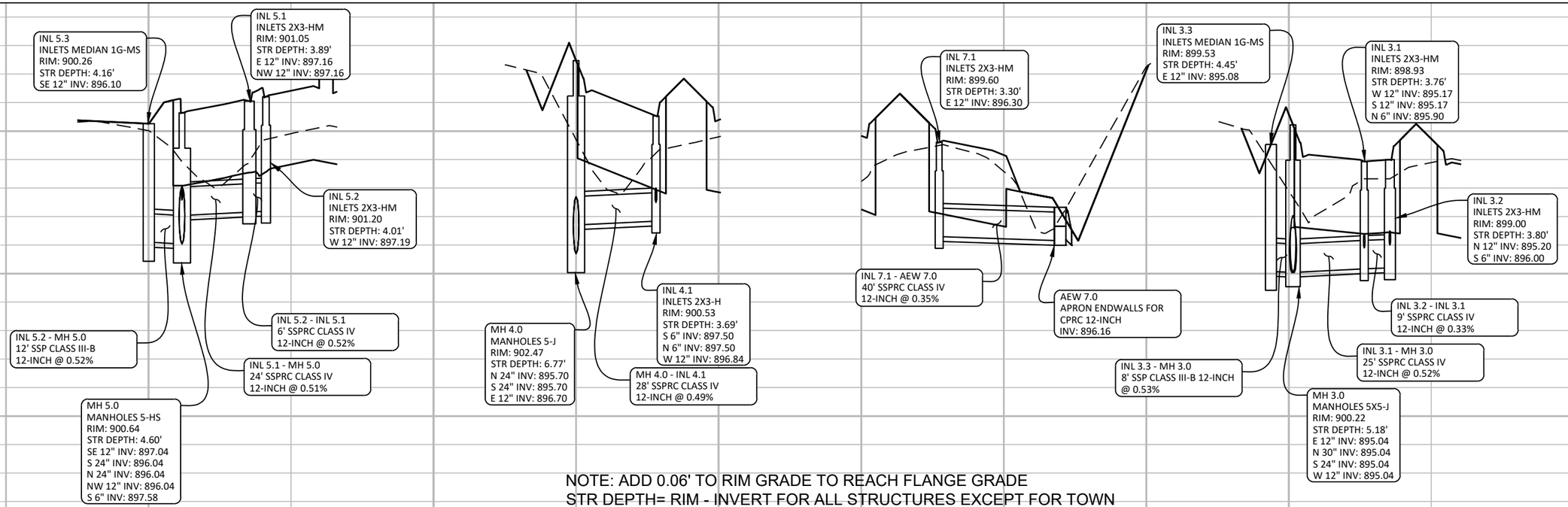
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	STORM SEWER - STH 76	SHEET 45 E





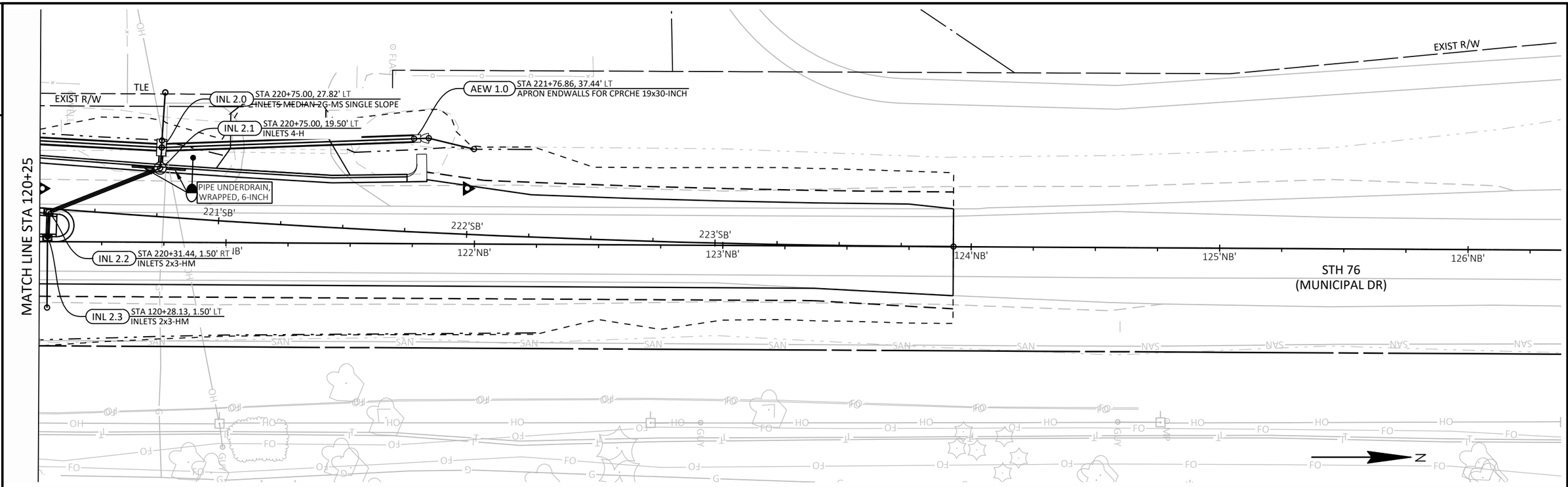
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	STORM SEWER - STH 76	SHEET 46 E



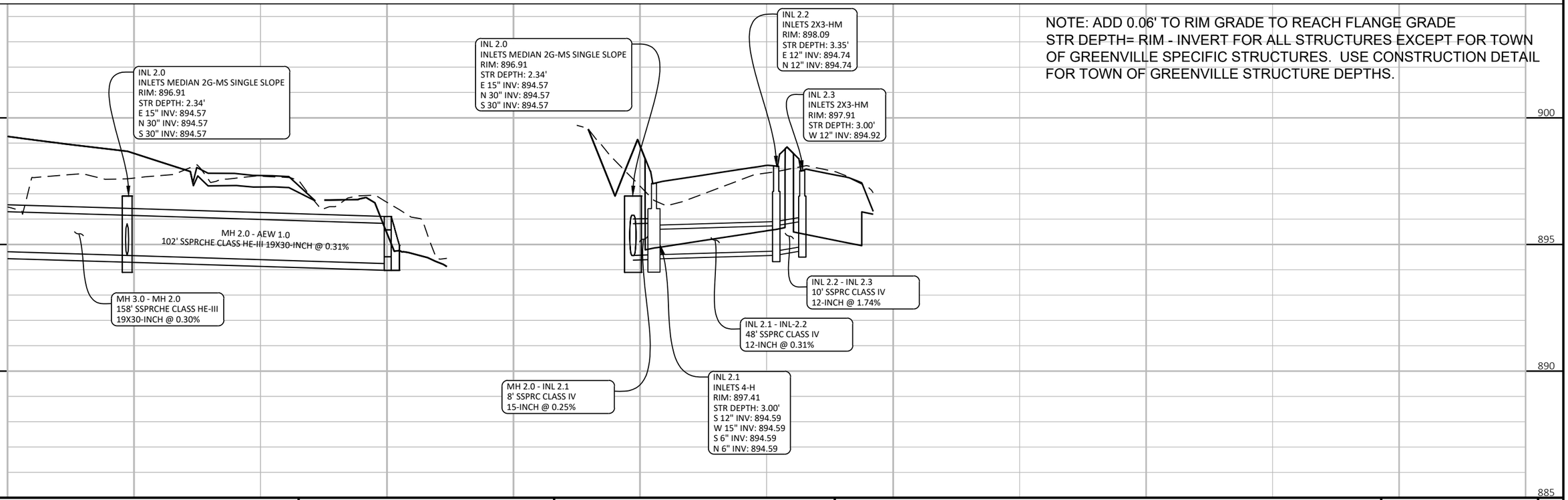


NOTE: ADD 0.06' TO RIM GRADE TO REACH FLANGE GRADE
STR DEPTH= RIM - INVERT FOR ALL STRUCTURES EXCEPT FOR TOWN OF GREENVILLE SPECIFIC STRUCTURES. USE CONSTRUCTION DETAIL FOR TOWN OF GREENVILLE STRUCTURE DEPTHS.

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	STORM SEWER - STH 76	SHEET 47	E

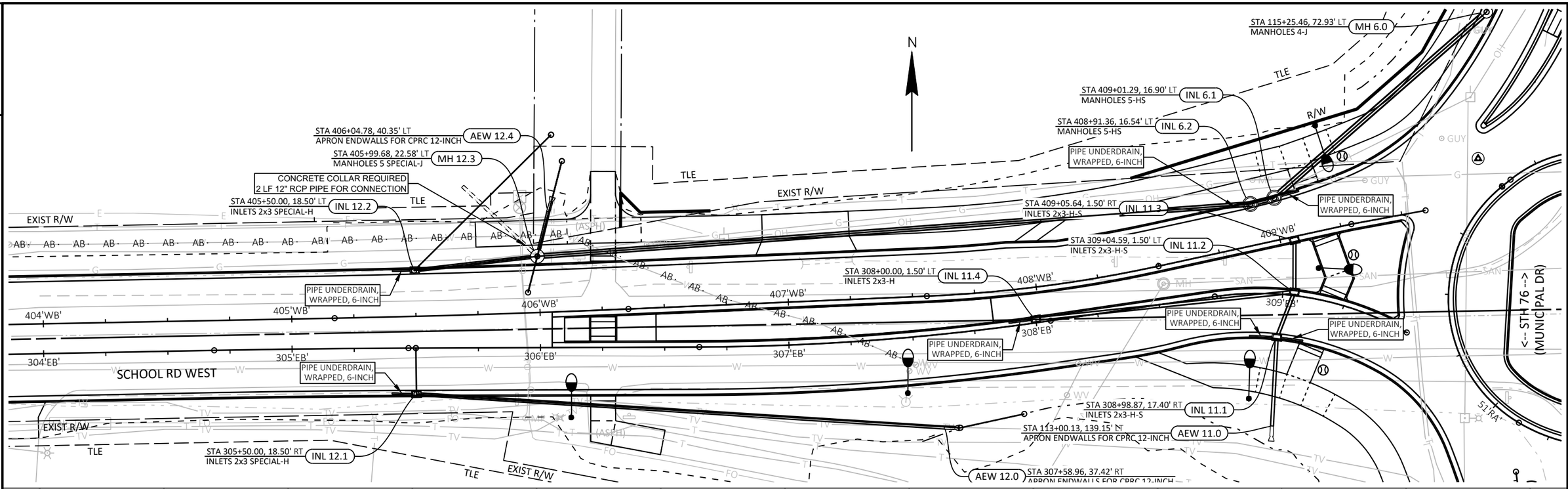


2



NOTE: ADD 0.06' TO RIM GRADE TO REACH FLANGE GRADE
STR DEPTH= RIM - INVERT FOR ALL STRUCTURES EXCEPT FOR TOWN OF GREENVILLE SPECIFIC STRUCTURES. USE CONSTRUCTION DETAIL FOR TOWN OF GREENVILLE STRUCTURE DEPTHS.

2



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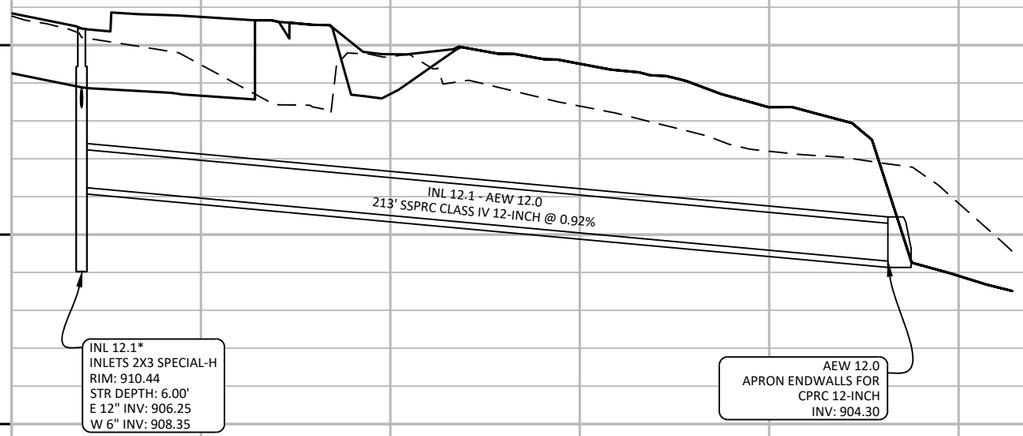
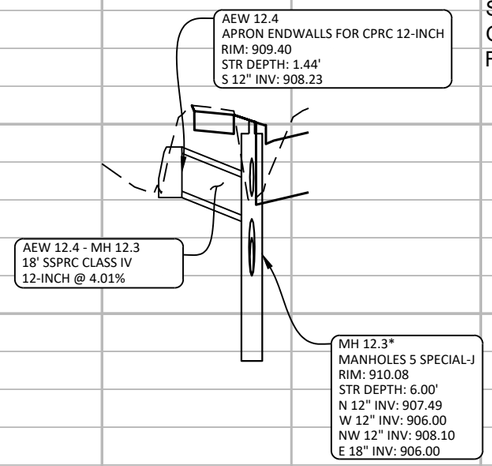
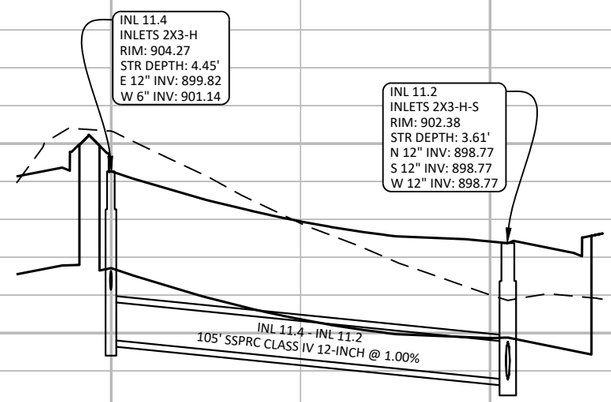




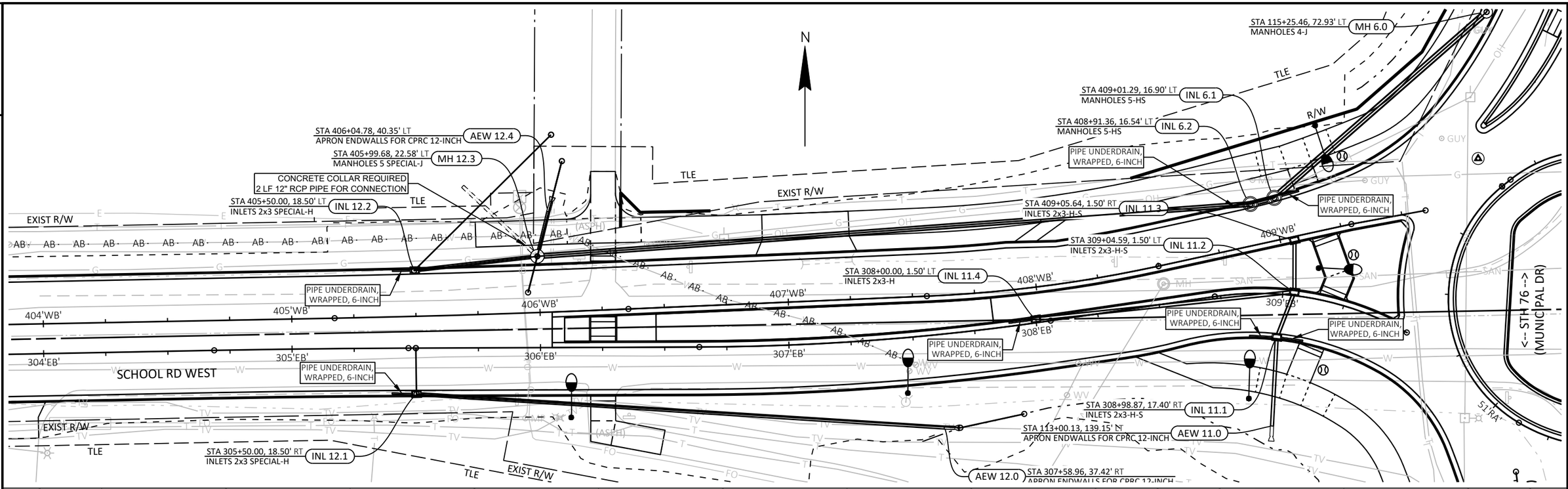


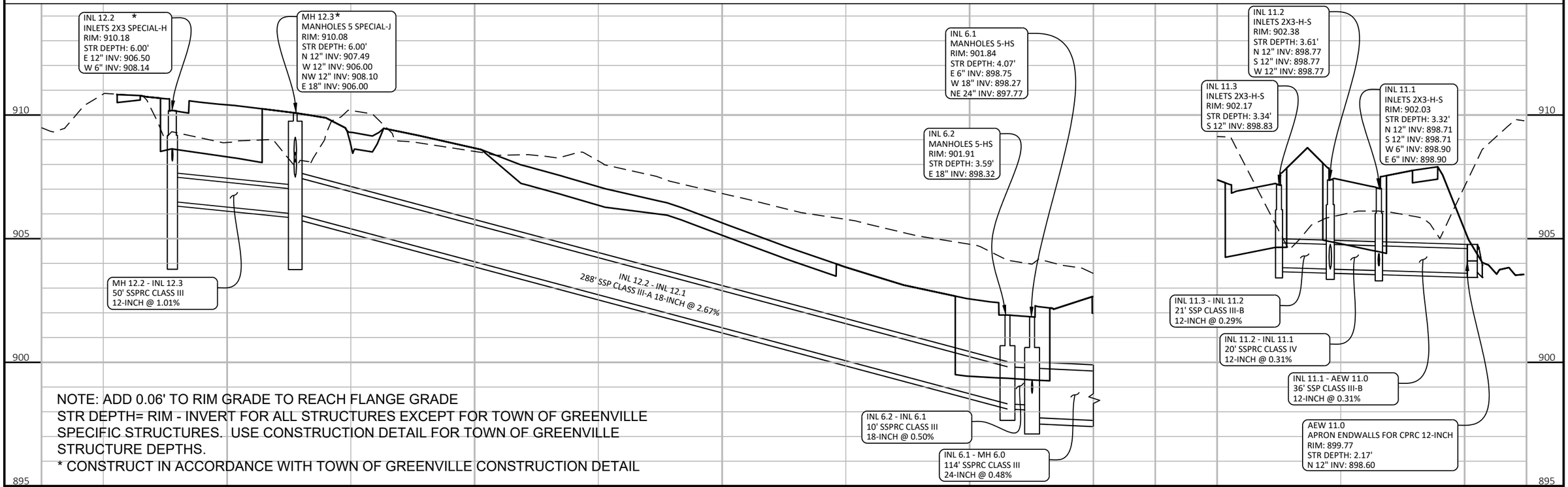
* CONSTRUCT IN ACCORDANCE WITH TOWN OF GREENVILLE CONSTRUCTION DETAIL

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	STORM SEWER - SCHOOL RD	SHEET 49 E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-022500-SS.DWG
LAYOUT NAME - 643020-022511-ss
PLOT DATE : 8/30/2023 1:09 PM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2



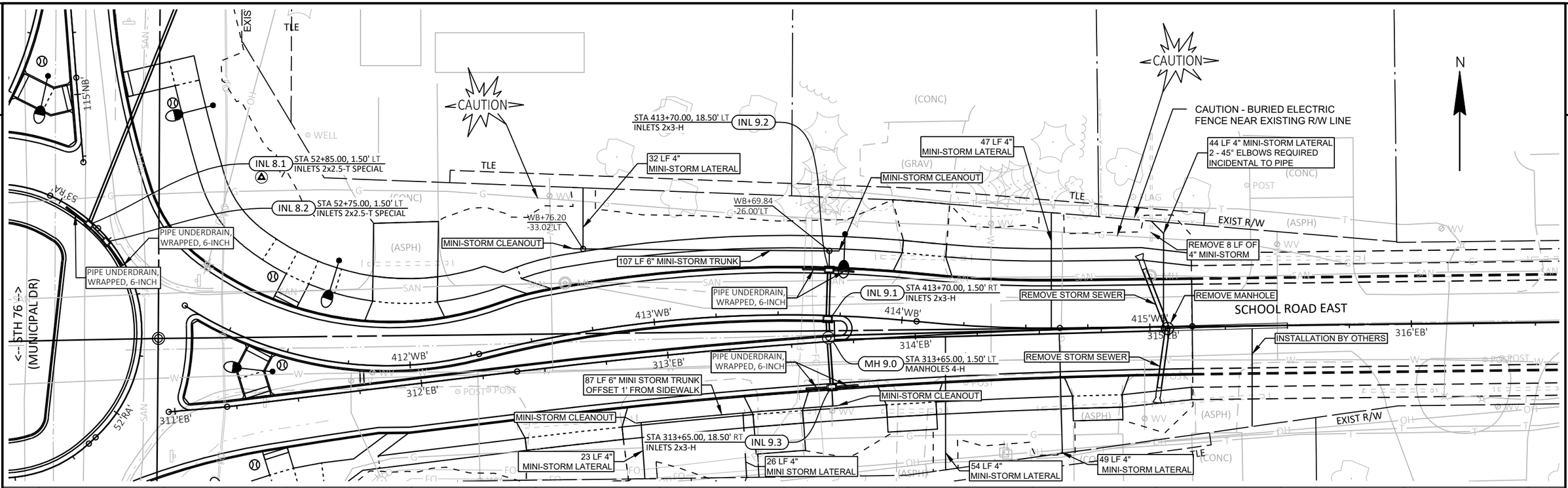


NOTE: ADD 0.06' TO RIM GRADE TO REACH FLANGE GRADE
STR DEPTH= RIM - INVERT FOR ALL STRUCTURES EXCEPT FOR TOWN OF GREENVILLE SPECIFIC STRUCTURES. USE CONSTRUCTION DETAIL FOR TOWN OF GREENVILLE STRUCTURE DEPTHS.
* CONSTRUCT IN ACCORDANCE WITH TOWN OF GREENVILLE CONSTRUCTION DETAIL

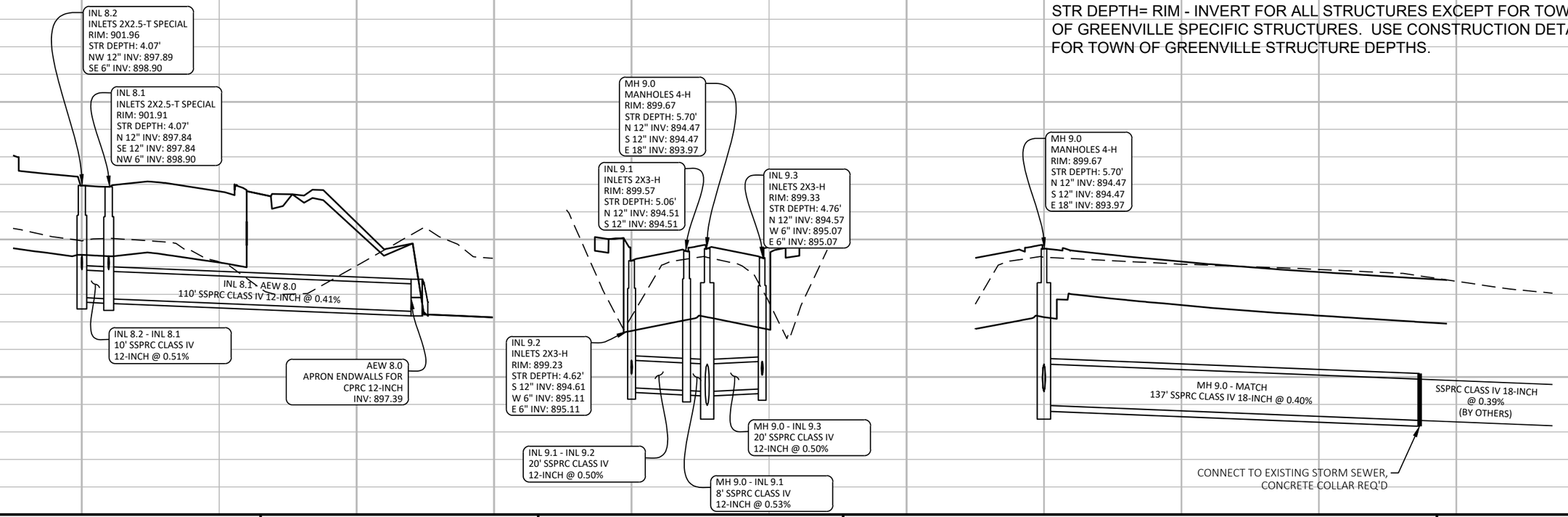
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	STORM SEWER - SCHOOL RD	SHEET 50	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-022500-SS.DWG
LAYOUT NAME - 643020-022512-ss
PLOT DATE : 8/30/2023 1:09 PM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2



NOTE: ADD 0.06' TO RIM GRADE TO REACH FLANGE GRADE
STR DEPTH= RIM - INVERT FOR ALL STRUCTURES EXCEPT FOR TOWN OF GREENVILLE SPECIFIC STRUCTURES. USE CONSTRUCTION DETAIL FOR TOWN OF GREENVILLE STRUCTURE DEPTHS.



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	**STORM SEWER** - SCHOOL RD	SHEET 51	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-022500-SS.DWG
LAYOUT NAME - 643020-022515-ss
PLOT DATE : 6/1/2023 11:40 AM
PLOT BY : RYAN BETKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

N

<-- STH 76 -->

<-- SCHOOL RD -->

YARD HYDRANT
51+86.95
-58.00' LT

CURB STOP
51+40.94
-42.49' LT

SERVICE SADDLE &
CORPORATION STOP
51+42.89
-37.51' LT

1-IN HDPE SERVICE
(16.5 LF)

1-IN HDPE SERVICE
(5.0 LF)

WV

PC: 212+76.98

PT: 53+62.08

EP: 53+66.43

PC: 53+00.75

PI: 114+72.55

PCC: 52+81.24

53+00

PI: 409+59.74

PI: 409+53.53

409+00

309+00

PI: 309+52.66

PC: 308+71.62

50+00.00

51+00

PCC: 51+11.75

PI: 213+28.50

PCC: 51+31.97

PT: 113+26.76

52+00

PC: 51+86.98

PT: 51+83.62

PI: 310+97.43

311+00

PI: 311+21.05

PC: 4+04.38

WELL

MH

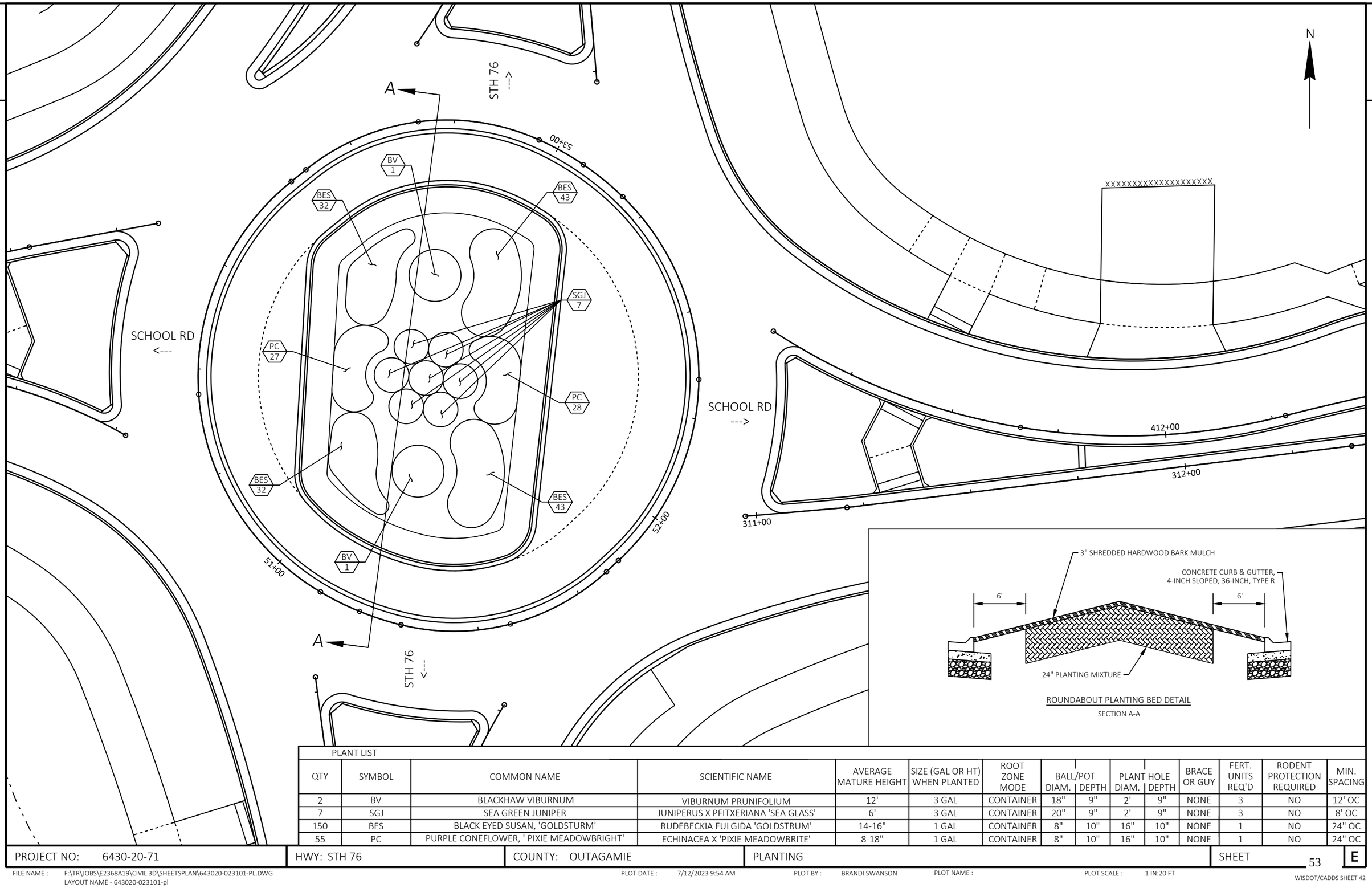
GUY

YARD HYDRANT DETAIL
SCHOOL RD

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	UTILITY PLAN - WATER - STH 76 & SCHOOL RD	SHEET 52	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-022621-WM.DWG
LAYOUT NAME - 643020-022621-wm

PLOT DATE : 10/18/2022 2:51 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT



ROUNDABOUT PLANTING BED DETAIL

SECTION A-A

PLANT LIST

QTY	SYMBOL	COMMON NAME	SCIENTIFIC NAME	AVERAGE MATURE HEIGHT	SIZE (GAL OR HT) WHEN PLANTED	ROOT ZONE MODE	BALL/POT DIAM.	BALL/POT DEPTH	PLANT HOLE DIAM.	PLANT HOLE DEPTH	BRACE OR GUY	FERT. UNITS REQ'D	RODENT PROTECTION REQUIRED	MIN. SPACING
2	BV	BLACKHAW VIBURNUM	VIBURNUM PRUNIFOLIUM	12'	3 GAL	CONTAINER	18"	9"	2'	9"	NONE	3	NO	12' OC
7	SGJ	SEA GREEN JUNIPER	JUNIPERUS X PFITXERIANA 'SEA GLASS'	6'	3 GAL	CONTAINER	20"	9"	2'	9"	NONE	3	NO	8' OC
150	BES	BLACK EYED SUSAN, 'GOLDSTURM'	RUDEBECKIA FULGIDA 'GOLDSTRUM'	14-16"	1 GAL	CONTAINER	8"	10"	16"	10"	NONE	1	NO	24" OC
55	PC	PURPLE CONEFLOWER, ' PIXIE MEADOWBRIGHT'	ECHINACEA X 'PIXIE MEADOWBRITE'	8-18"	1 GAL	CONTAINER	8"	10"	16"	10"	NONE	1	NO	24" OC

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLANTING	SHEET 53	E

N

1 — W14-3 NO PASSING ZONE 48" X 36"

2 — W2-6 30" X 30"

3 — W13-1 15 M.P.H. 18" X 18"

4 — R4-7 24" X 36"

5 — W5-54 18" X 18"

6 — D1-62 76 NORTH SCHOOL RD SCHOOL RD 126" X 72"

7 — R2-1 SPEED LIMIT 45 24" X 30"

8 — J4-1 SOUTH 76 24" X 36"

9 — R1-2 YIELD 36" X 31"

10 — R6-1R ONE WAY 54" X 18"

11 — D1-1 SOUTH 76 42" X 30"

12 — R6-4B 60" X 24"

13 — R1-2 YIELD 36" X 31"

14 — D1-1 SCHOOL RD 60" X 18"

15 — D1-1 SCHOOL RD 60" X 18"

16 — R1-2 YIELD 36" X 31"

17 — R6-1R ONE WAY 54" X 18"

18 — R6-4B 60" X 24"

19 — R6-4B 60" X 24"

20 — R6-1R ONE WAY 54" X 18"

21 — R6-4B 60" X 24"

22 — R6-1B ONE WAY 54" X 18"

23 — R6-4B 60" X 24"

24 — R6-1R ONE WAY 54" X 18"

25 — R6-4B 60" X 24"

26 — R1-2 YIELD 36" X 31"

27 — R1-2 YIELD 36" X 31"

28 — D1-1 NORTH 76 42" X 30"

29 — J4-1 NORTH 76 24" X 36"

30 — R2-1 SPEED LIMIT 45 24" X 30"

31 — D1-62 76 SOUTH SCHOOL RD SCHOOL RD 126" X 72"

32 — R4-7 24" X 36"

33 — W5-54 18" X 18"

34 — W2-6 30" X 30"

35 — W13-1 15 M.P.H. 18" X 18"

36 — W14-3 NO PASSING ZONE 48" X 36"

STH 76

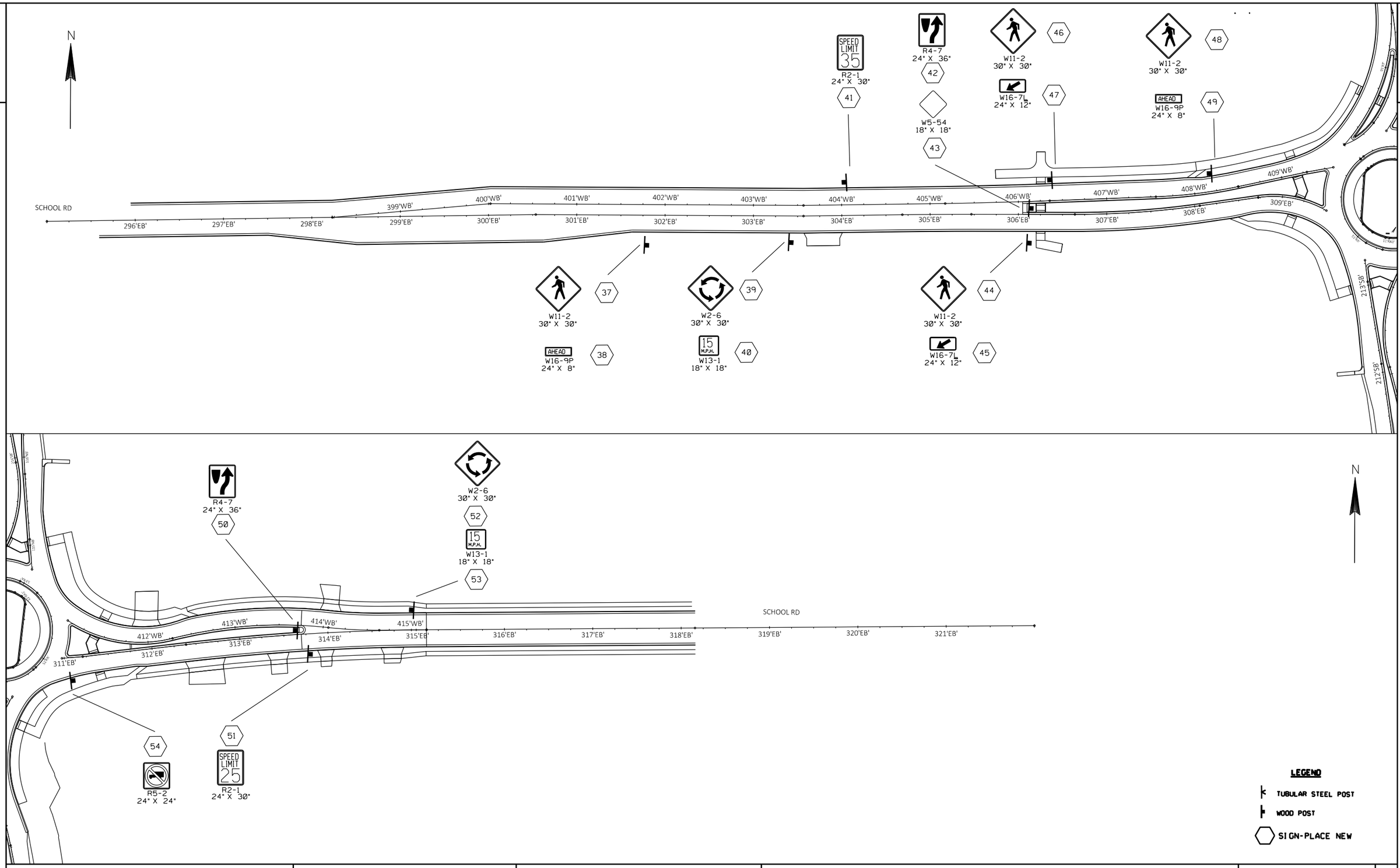
LEGEND

- TUBULAR STEEL POST
- WOOD POST
- SIGN-PLACE NEW

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET E

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

WISDOT/CADDS SHEET 42



PROJECT NO: 6430-20-71	HWY:STH 76	COUNTY:WINNEBAGO	PERMANENT SIGNING	SHEET	E

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

2

N

SCHOOL RD

SPEED LIMIT 45
R2-1
REMOVE

61

STH 76

60

SCHOOL RD
D1-1
REMOVE

SCHOOL RD

STH 76

2

SCHOOL RD

NO PASSING ZONE
W14-3
REMOVE

63

SCHOOL RD
D1-1
REMOVE

64

N

STH 76

STH 76

62

SPEED LIMIT 45
R2-1
REMOVE

SCHOOL RD

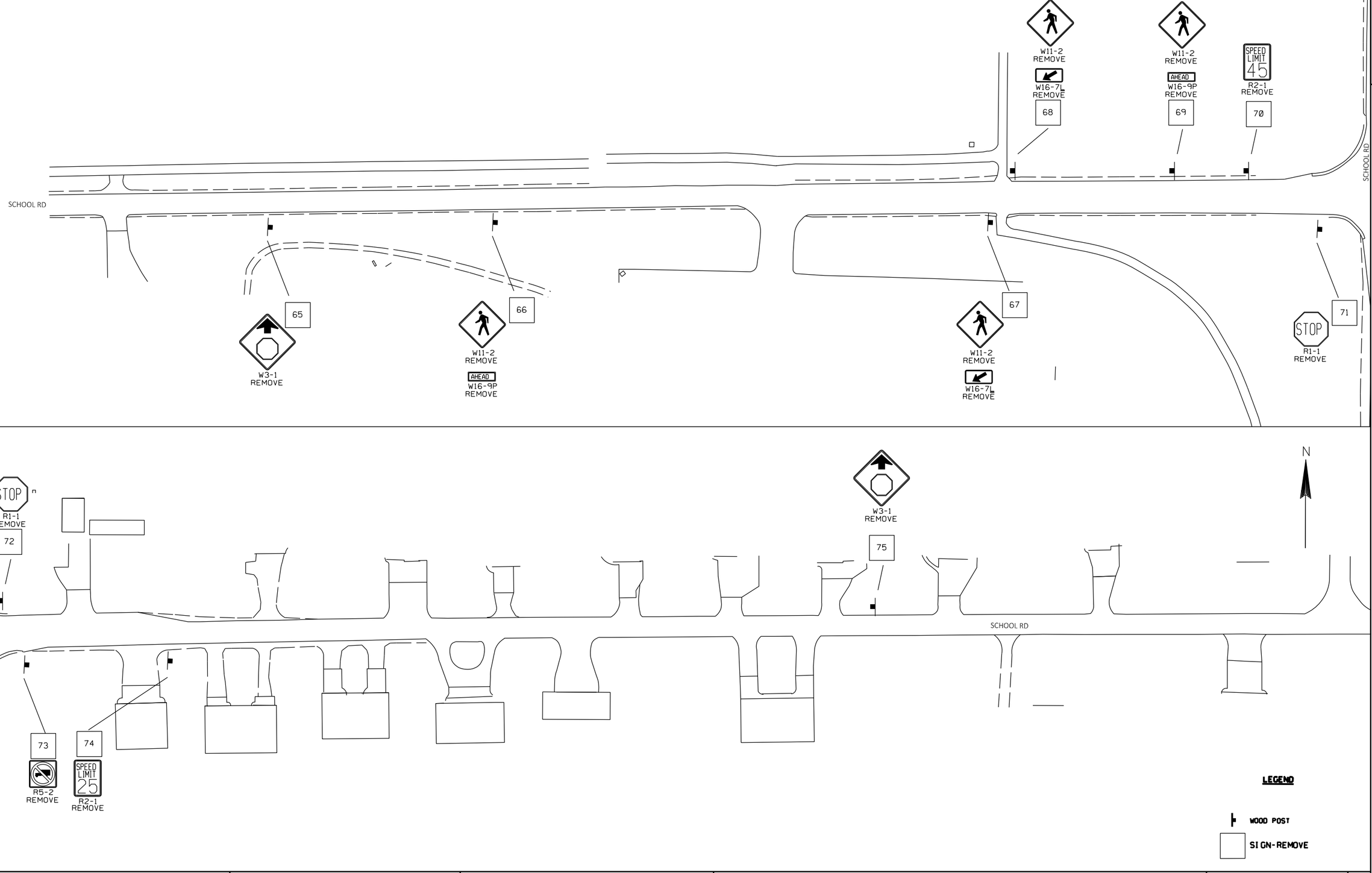
LEGEND

WOOD POST

SIGN-REMOVE

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: WINNEBAGO	SIGN REMOVALS	SHEET	E

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



2

PROJECT NO: 6430-20-71	HWY:STH 76	COUNTY:WINNEBAGO	SIGN REMOVALS	SHEET	E

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

2

N

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

III-LED A-12-5-C-2
III-LED A-12-5-D-4
III-LED A-12-5-D-3
III-LED A-12-5-C-1
III-LED A-12-5-D-2
III-LED A-12-5-B-5
III-LED A-12-5-B-3
III-LED A-12-5-D-1
III-LED A-12-5-B-4
III-LED A-12-5-B-2
III-LED A-12-5-A-1
III-LED A-12-5-B-1
III-LED A-12-5-A-5
III-LED A-12-5-A-2

LB1 LB2 LB3 LB4 LB5 LB6 LB7 LB8 LB9 LB10 LB11 LB12 LB15 LB16
PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB12
CB1

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM
120/240 VOLT ELECTRIC SERVICE

STH 76 & School Road
VILLAGE OF GREENVILLE
OUTAGAMIE COUNTY

LIGHTING NO. 44-2057

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/23/2023 SHEET NO. 1 OF 1

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 58	E

2

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

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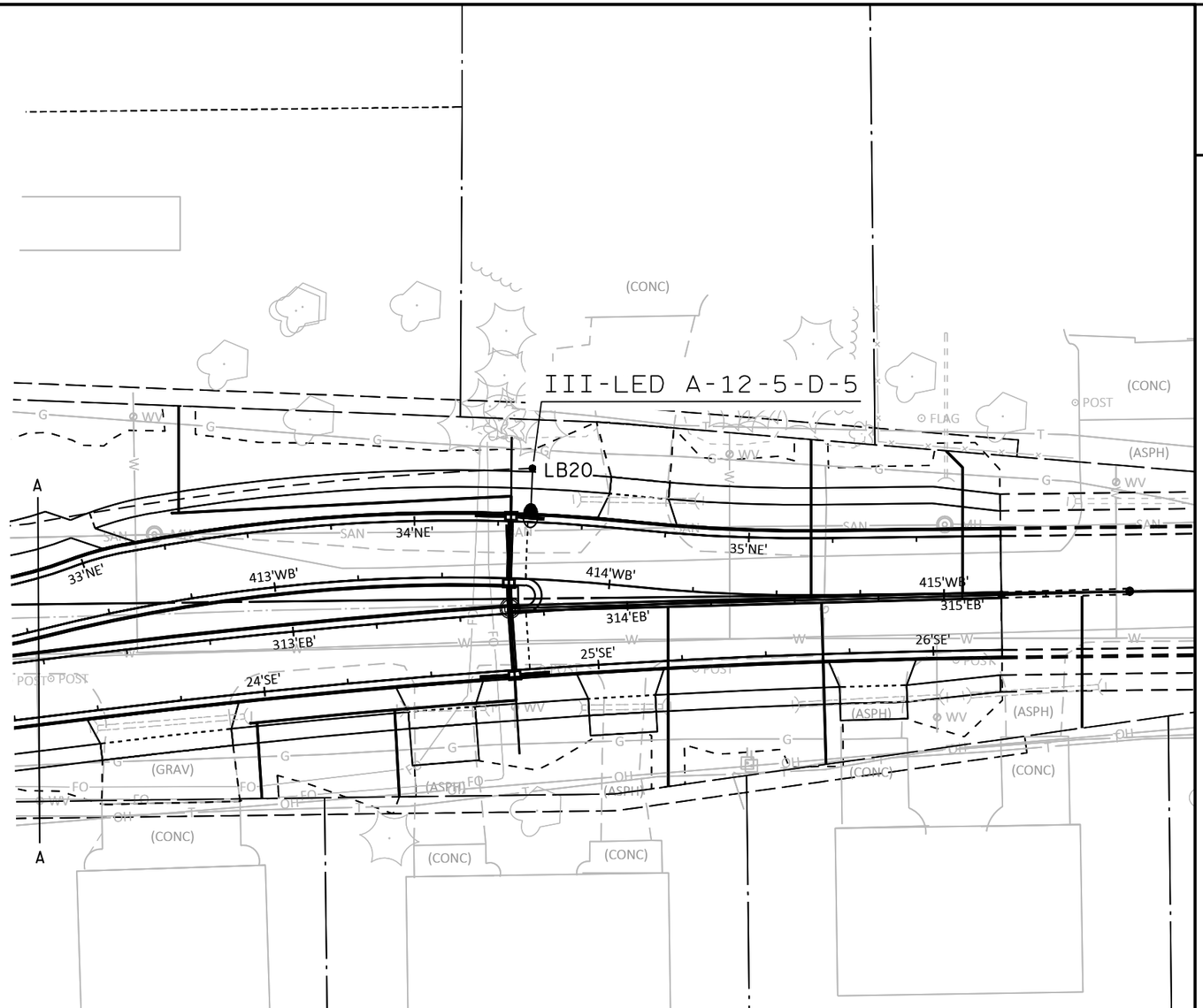

CONDUCTOR COLOR SCHEME

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Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted) — — —
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

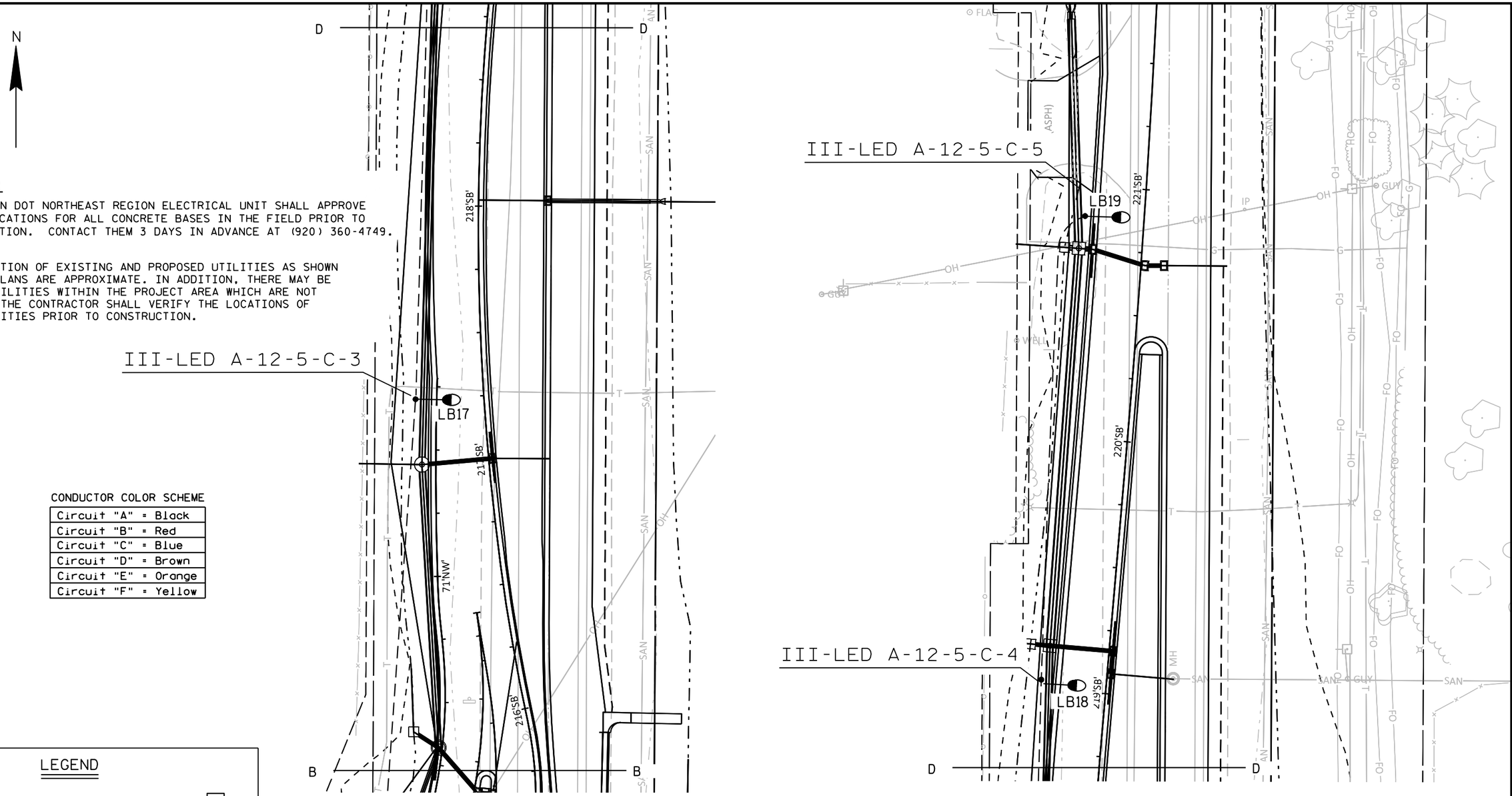
STH 76 & School Road
VILLAGE OF GREENVILLE
OUTAGAMIE COUNTY

LIGHTING NO. 44-2057

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/23/2023 SHEET NO. 1 OF 1

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 59	E



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CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

STH 76 & School Road
VILLAGE OF GREENVILLE
OUTAGAMIE COUNTY

LIGHTING NO. 44-2057

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/23/2023 SHEET NO. 1 OF 1

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 60	E

2

N

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-4749.

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CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

- LIGHTING CONTROL CABINET (Type 10) WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM
120/240 VOLT ELECTRIC SERVICE

III-LED A-12-5-A-3

LB13

III-LED A-12-5-A-4

LB14

211'SB'

210'SB'

209'SB'

STH 76 & School Road
VILLAGE OF GREENVILLE
OUTAGAMIE COUNTY

LIGHTING NO. 44-2057

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

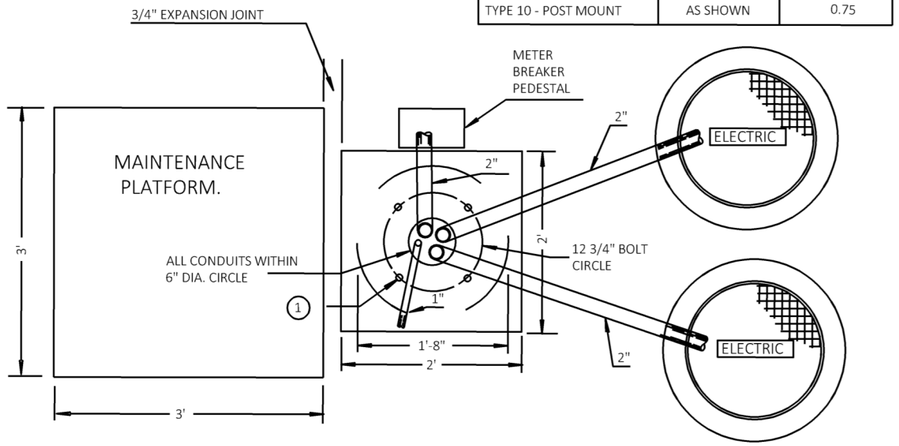
DATE: 2/23/2023 SHEET NO. 1 OF 1

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET 61 E

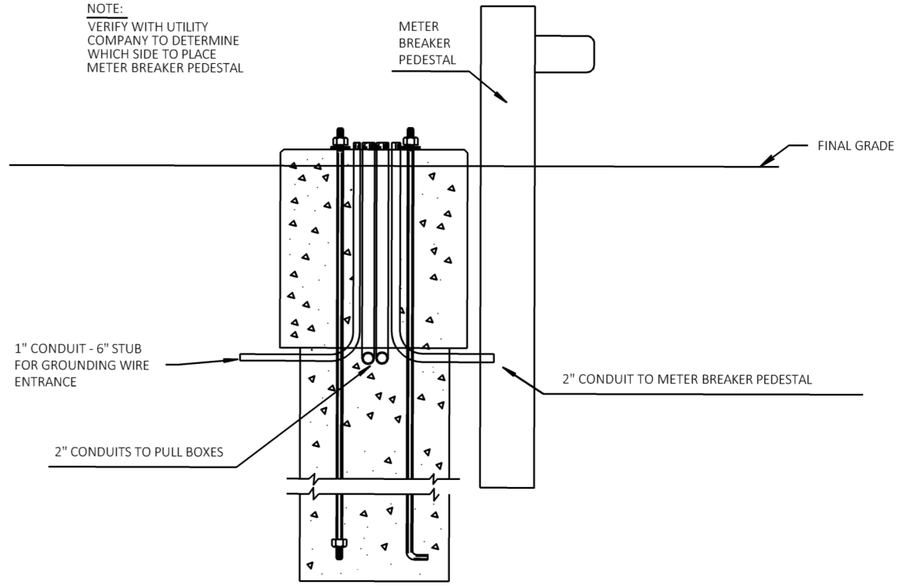
FILE NAME : F:\D3_TRAFFI\L44-2057 (STH 76 & SCHOOL ROAD)\STH 76 & SCHOOL ROAD.DWG
LAYOUT NAME - STH 76 & School Road (4)

PLOT DATE : 4/25/2023 10:08 AM PLOT BY : TALCOTT, MATTHEW J PLOT NAME : PLOT SCALE : 1 IN:40 FT

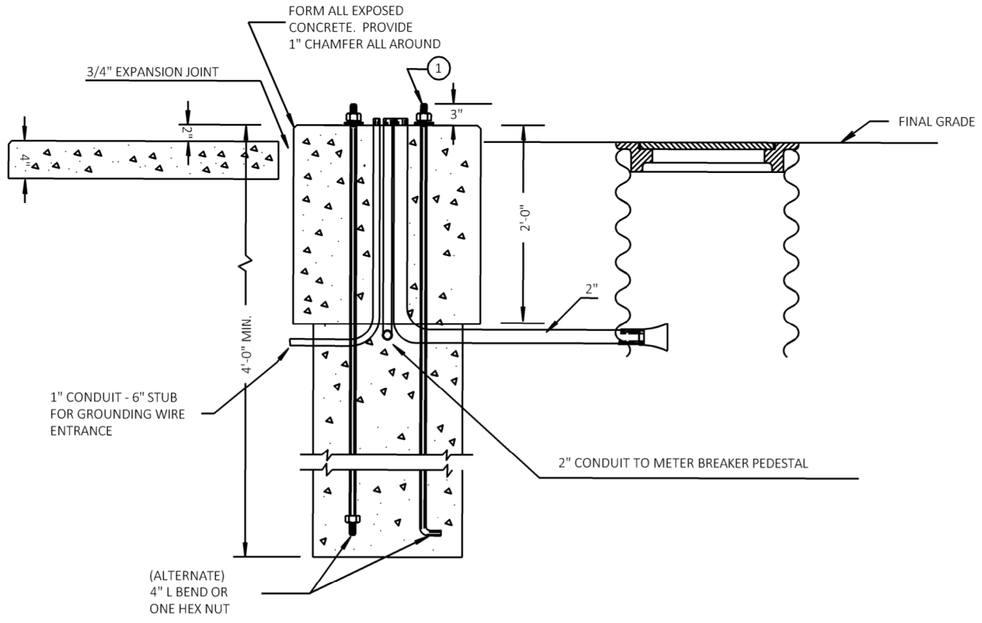
CONTROL CABINET BASE TYPE	DIMENSIONS	C.Y. CONCRETE (APPROX.)
TYPE 10 - POST MOUNT	AS SHOWN	0.75



PLAN VIEW



FRONT VIEW



PROFILE VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

ALL CONDUIT ENDS AT THE TOP OF THE CONCRETE BASE SHALL PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

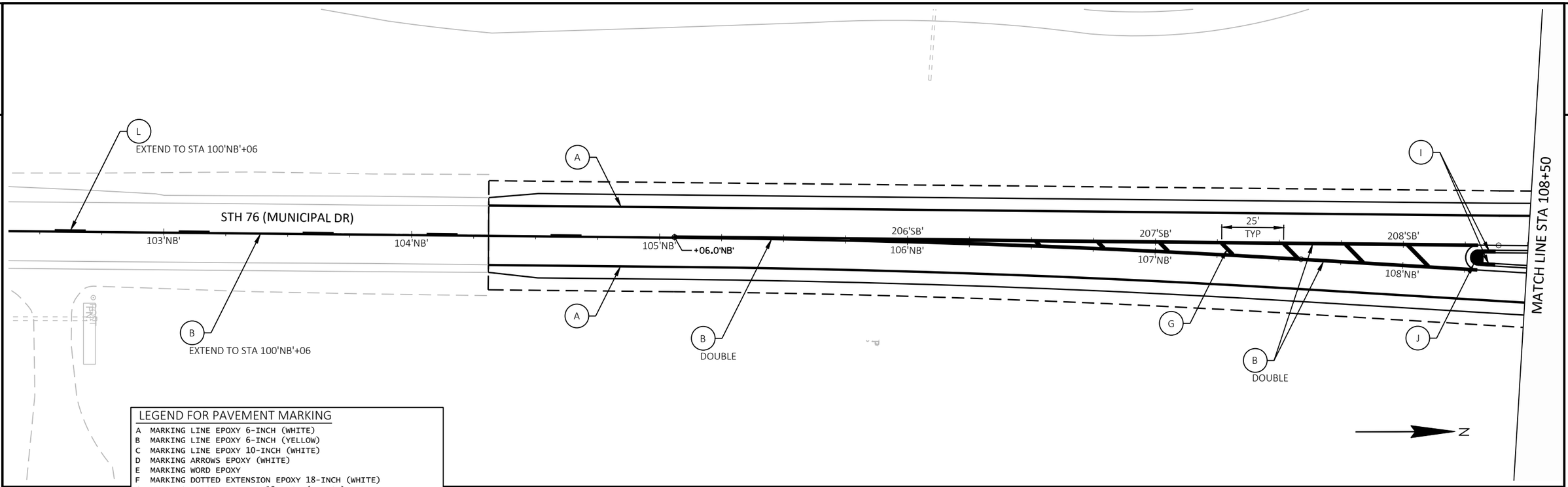
THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6"
ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH A-449, OR ASTM.

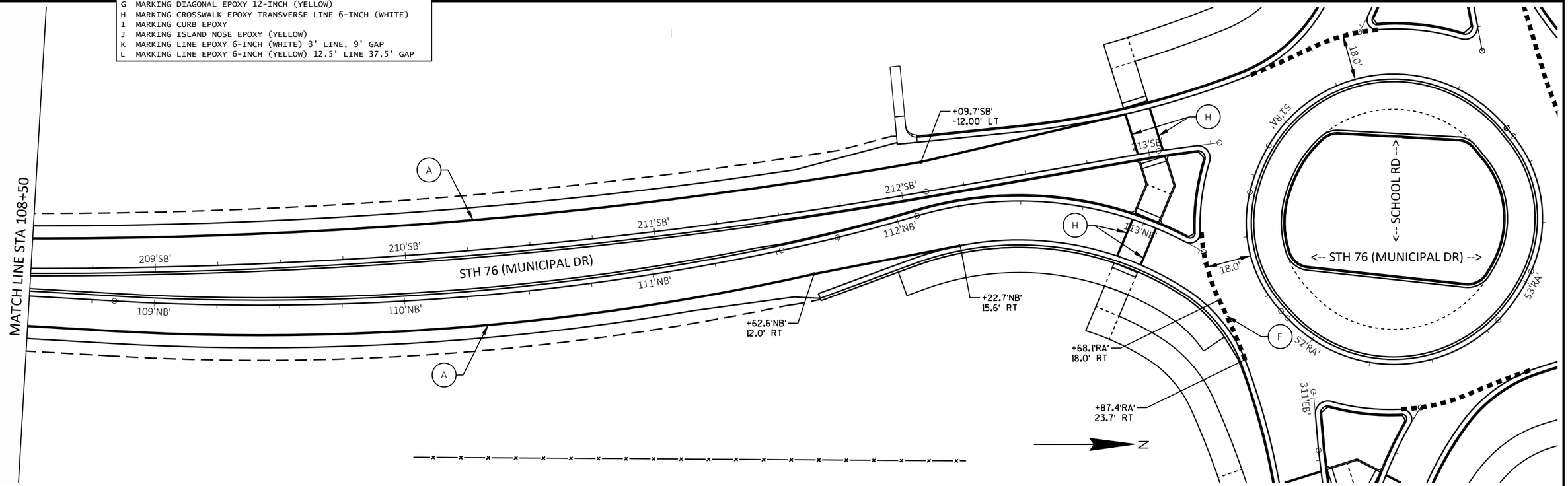
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	LIGHTING CABINET BASE - TYPE 10 NER	SHEET 62	E

2



LEGEND FOR PAVEMENT MARKING

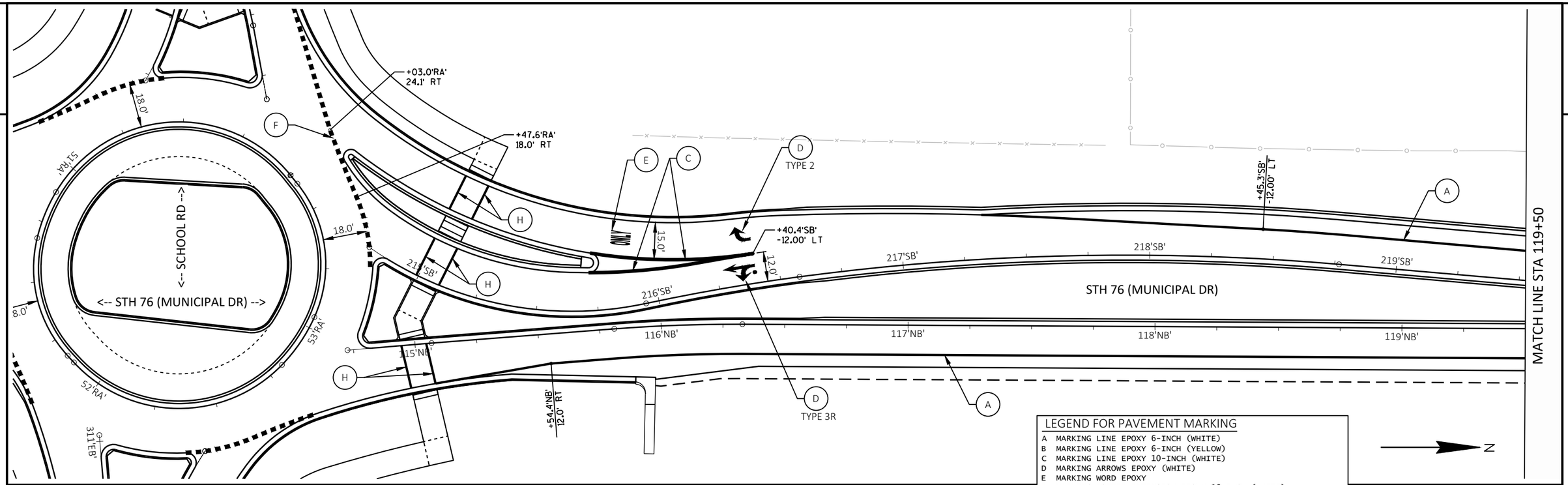
A MARKING LINE EPOXY 6-INCH (WHITE)
B MARKING LINE EPOXY 6-INCH (YELLOW)
C MARKING LINE EPOXY 10-INCH (WHITE)
D MARKING ARROWS EPOXY (WHITE)
E MARKING WORD EPOXY
F MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE)
G MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
H MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
I MARKING CURB EPOXY
J MARKING ISLAND NOSE EPOXY (YELLOW)
K MARKING LINE EPOXY 6-INCH (WHITE) 3' LINE, 9' GAP
L MARKING LINE EPOXY 6-INCH (YELLOW) 12.5' LINE 37.5' GAP

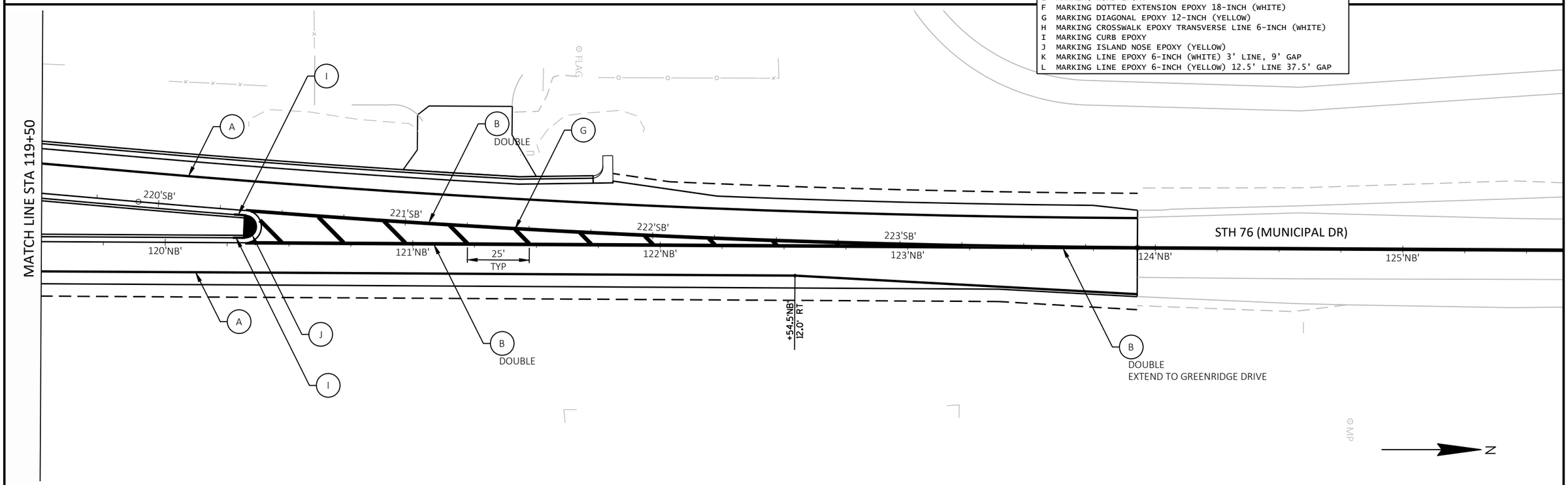


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 76	SHEET 63	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-024500-PM.DWG
LAYOUT NAME - 643020-024501-pm
PLOT DATE : 5/24/2023 4:28 PM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2





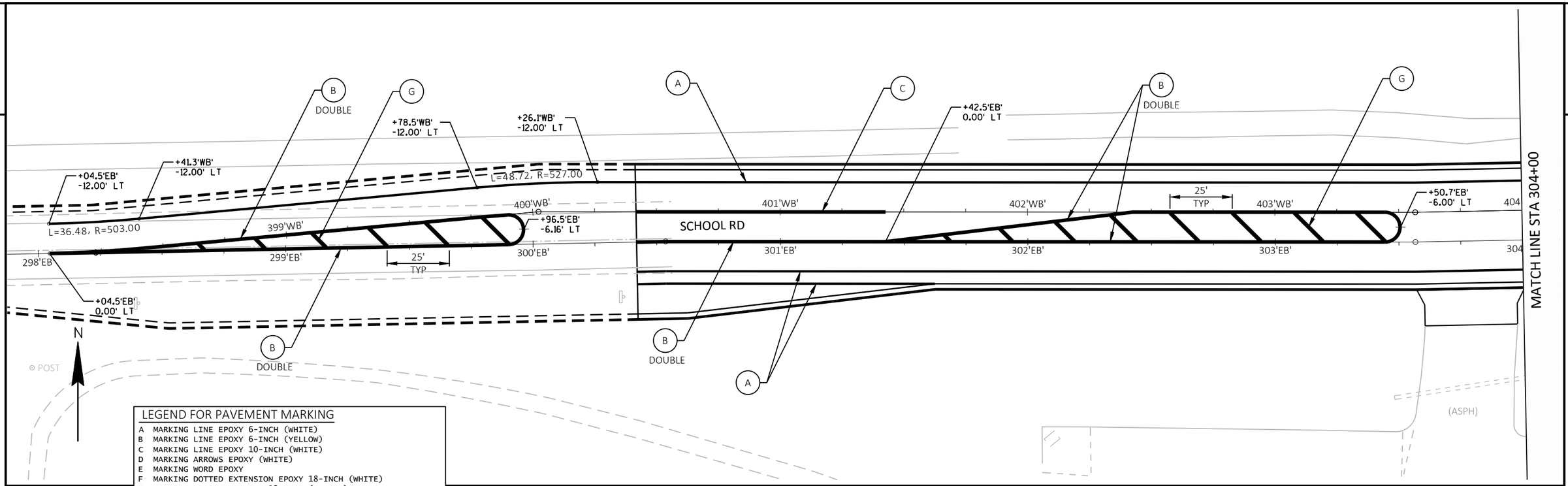
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVEMENT MARKING - STH 76	SHEET 64	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-024500-PM.DWG
LAYOUT NAME - 643020-024505-pm

PLOT DATE : 5/24/2023 4:28 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

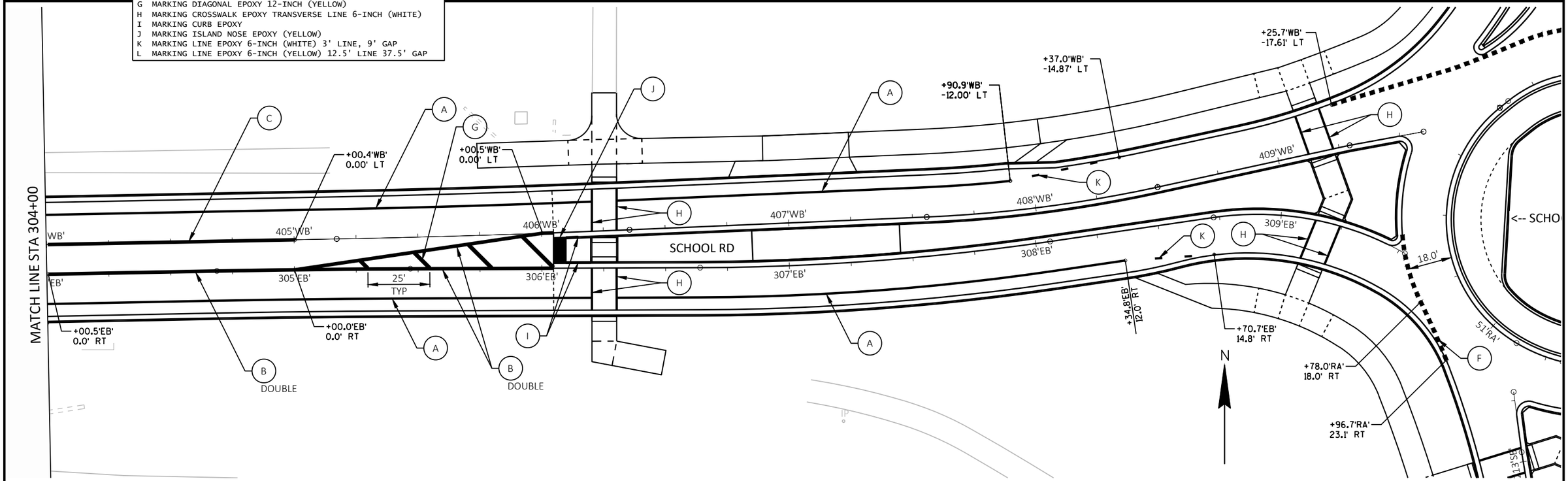
WISDOT/CADDS SHEET 44

2



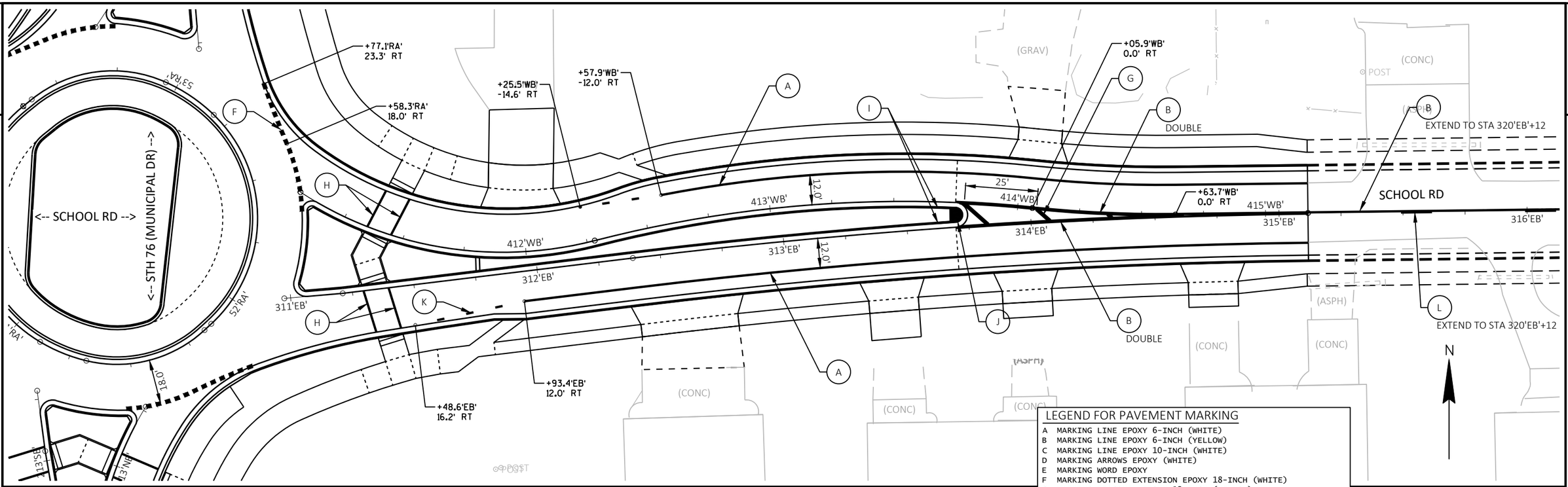
LEGEND FOR PAVEMENT MARKING

A MARKING LINE EPOXY 6-INCH (WHITE)
B MARKING LINE EPOXY 6-INCH (YELLOW)
C MARKING LINE EPOXY 10-INCH (WHITE)
D MARKING ARROWS EPOXY (WHITE)
E MARKING WORD EPOXY
F MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE)
G MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
H MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
I MARKING CURB EPOXY
J MARKING ISLAND NOSE EPOXY (YELLOW)
K MARKING LINE EPOXY 6-INCH (WHITE) 3' LINE, 9' GAP
L MARKING LINE EPOXY 6-INCH (YELLOW) 12.5' LINE 37.5' GAP



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVEMENT MARKING - SCHOOL RD	SHEET 65	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-024500-PM.DWG
LAYOUT NAME - 643020-024511-pm
PLOT DATE : 5/24/2023 4:28 PM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



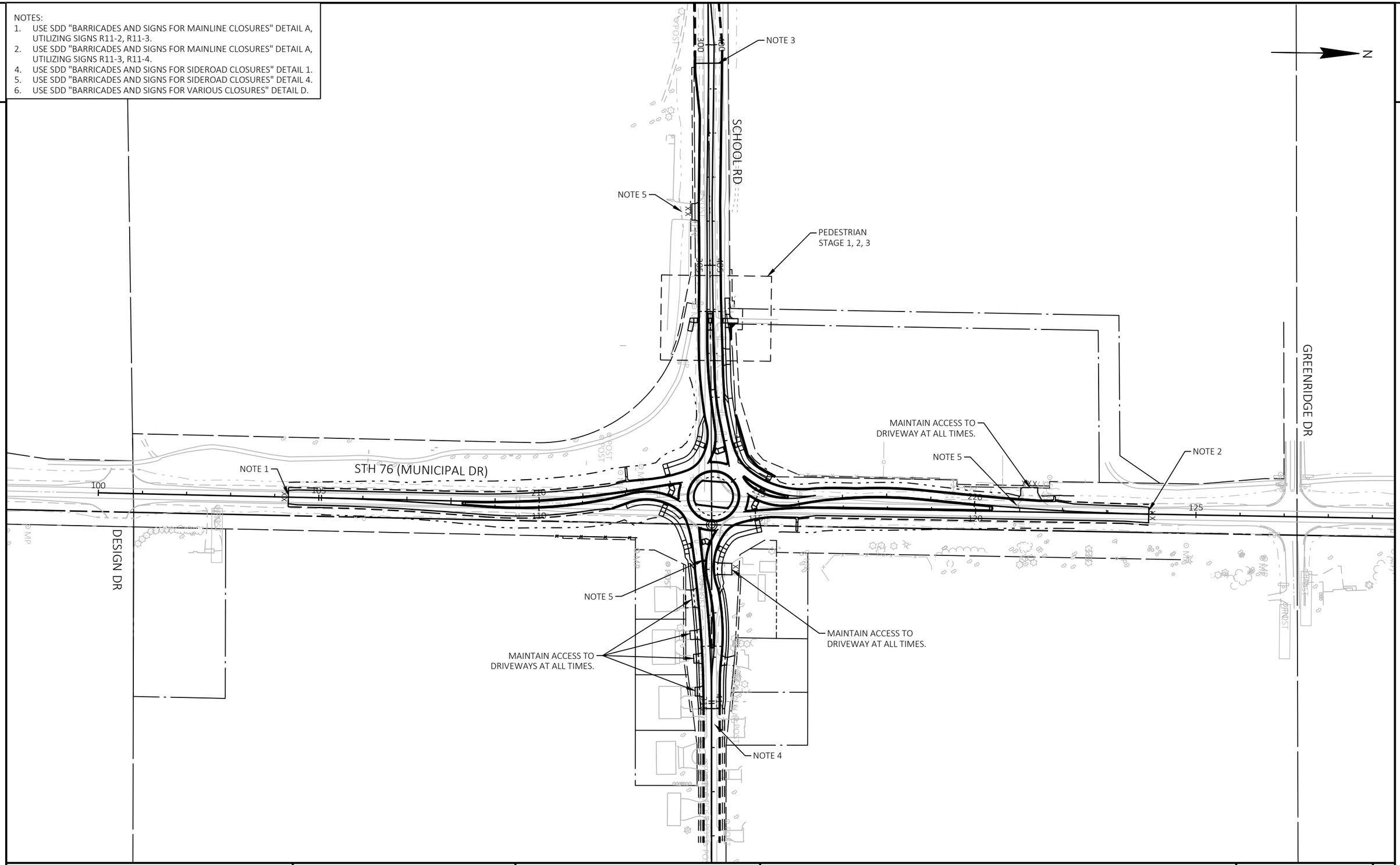
LEGEND FOR PAVEMENT MARKING

A MARKING LINE EPOXY 6-INCH (WHITE)
B MARKING LINE EPOXY 6-INCH (YELLOW)
C MARKING LINE EPOXY 10-INCH (WHITE)
D MARKING ARROWS EPOXY (WHITE)
E MARKING WORD EPOXY
F MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE)
G MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
H MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
I MARKING CURB EPOXY
J MARKING ISLAND NOSE EPOXY (YELLOW)
K MARKING LINE EPOXY 6-INCH (WHITE) 3' LINE, 9' GAP
L MARKING LINE EPOXY 6-INCH (YELLOW) 12.5' LINE 37.5' GAP

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PAVEMENT MARKING - SCHOOL RD	SHEET 66	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-024500-PM.DWG
LAYOUT NAME - 643020-024515-pm
PLOT DATE : 5/24/2023 4:28 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTES:
1. USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL A, UTILIZING SIGNS R11-2, R11-3.
2. USE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL A, UTILIZING SIGNS R11-3, R11-4.
4. USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 1.
5. USE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4.
6. USE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL D.



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	TRAFFIC CONTROL	SHEET 67	E

2

2

LEGEND

- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN SURFACE MATTING
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- DW TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

N

2' TEMPORARY WIDENING

5' MIN

PC: 304+68.63

PT: 305+46.83

PC: 305+63.91

PT: 406+35.57

PC: 407+55.80

305+00

306+00

307+00

405+00

406+00

407+00

PC: 405+17.23

6 MP

IP

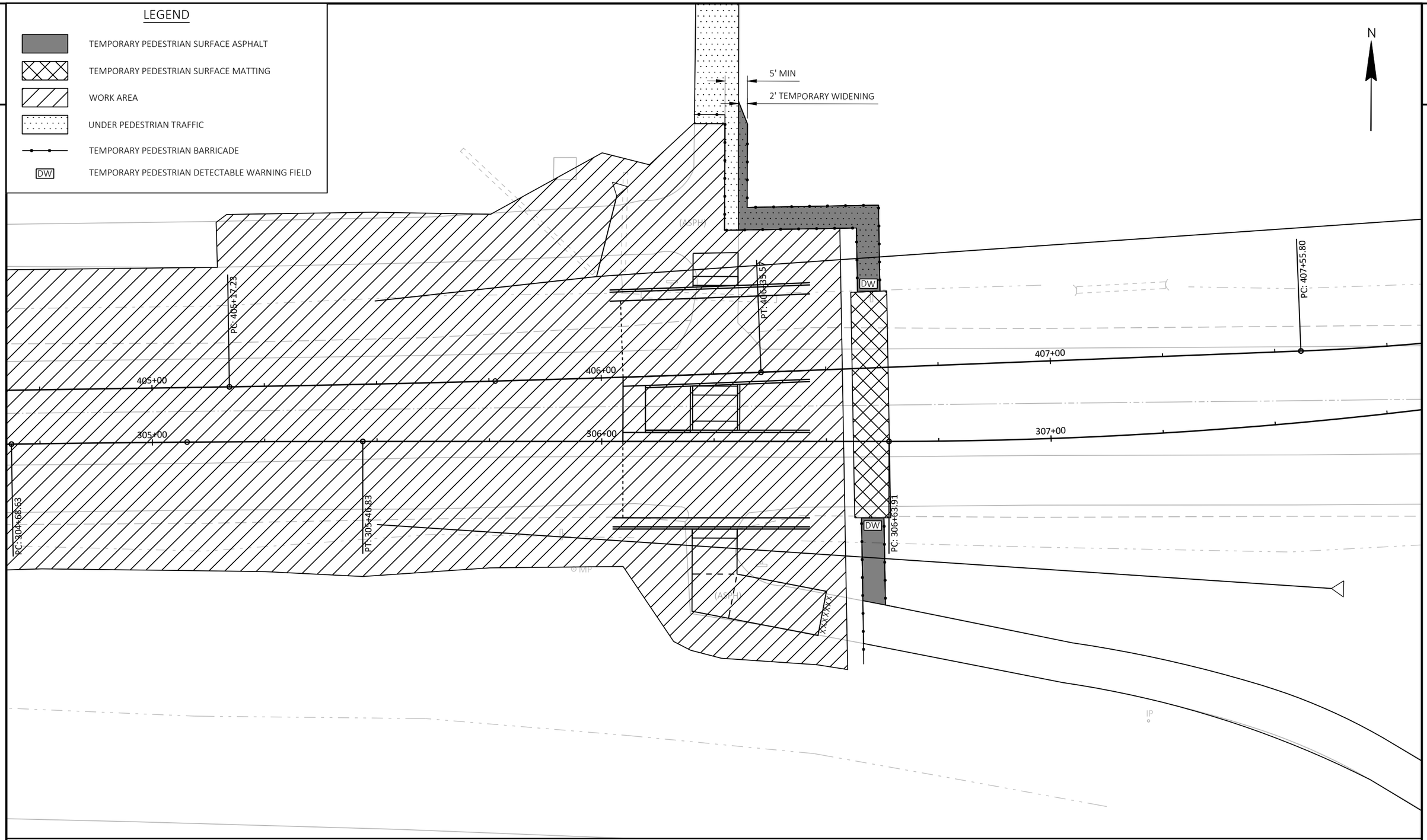
STAGE 1

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	STAGE CONSTRUCTION	SHEET 68	E

2

LEGEND

- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN SURFACE MATTING
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- DW TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD



STAGE 2

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	STAGE CONSTRUCTION	SHEET 69	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-026001-S2.DWG
LAYOUT NAME - 643020-026001-s2

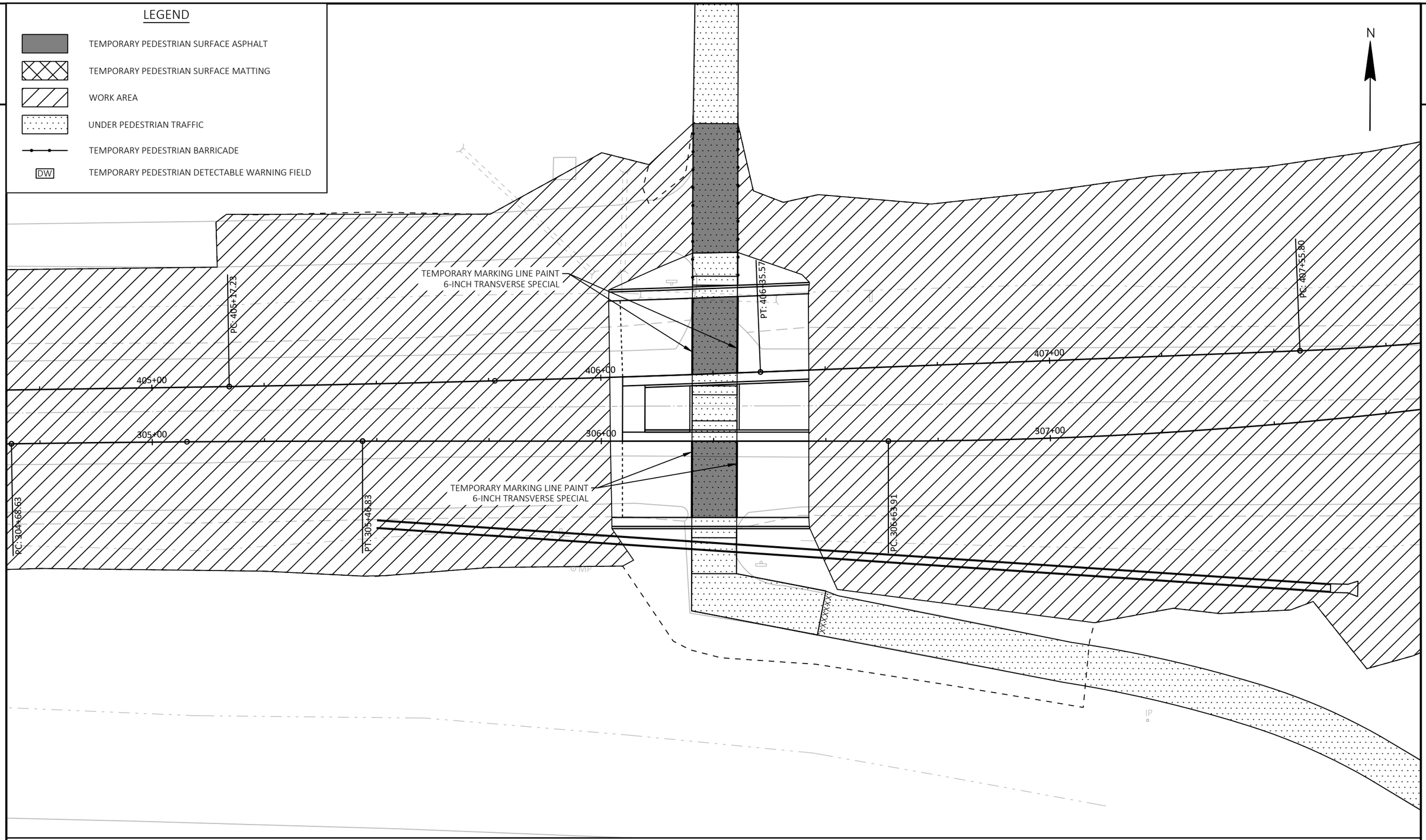
PLOT DATE : 5/24/2023 4:31 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN SURFACE MATTING
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- DW TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD



STAGE 3

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	STAGE CONSTRUCTION	SHEET 70	E

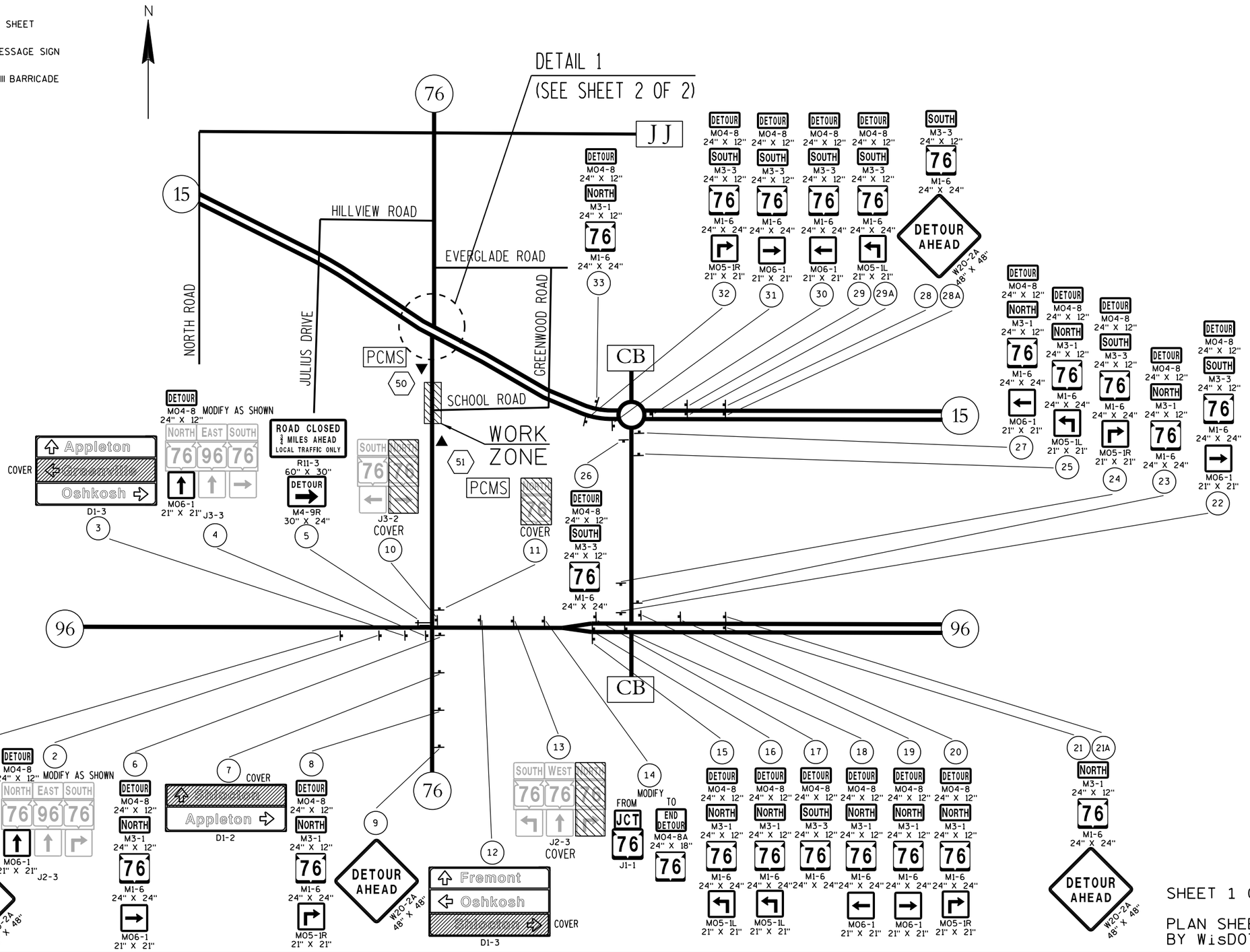
FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-026001-S3.DWG
LAYOUT NAME - 643020-026001-s3

PLOT DATE : 2/27/2023 10:07 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

LEGEND

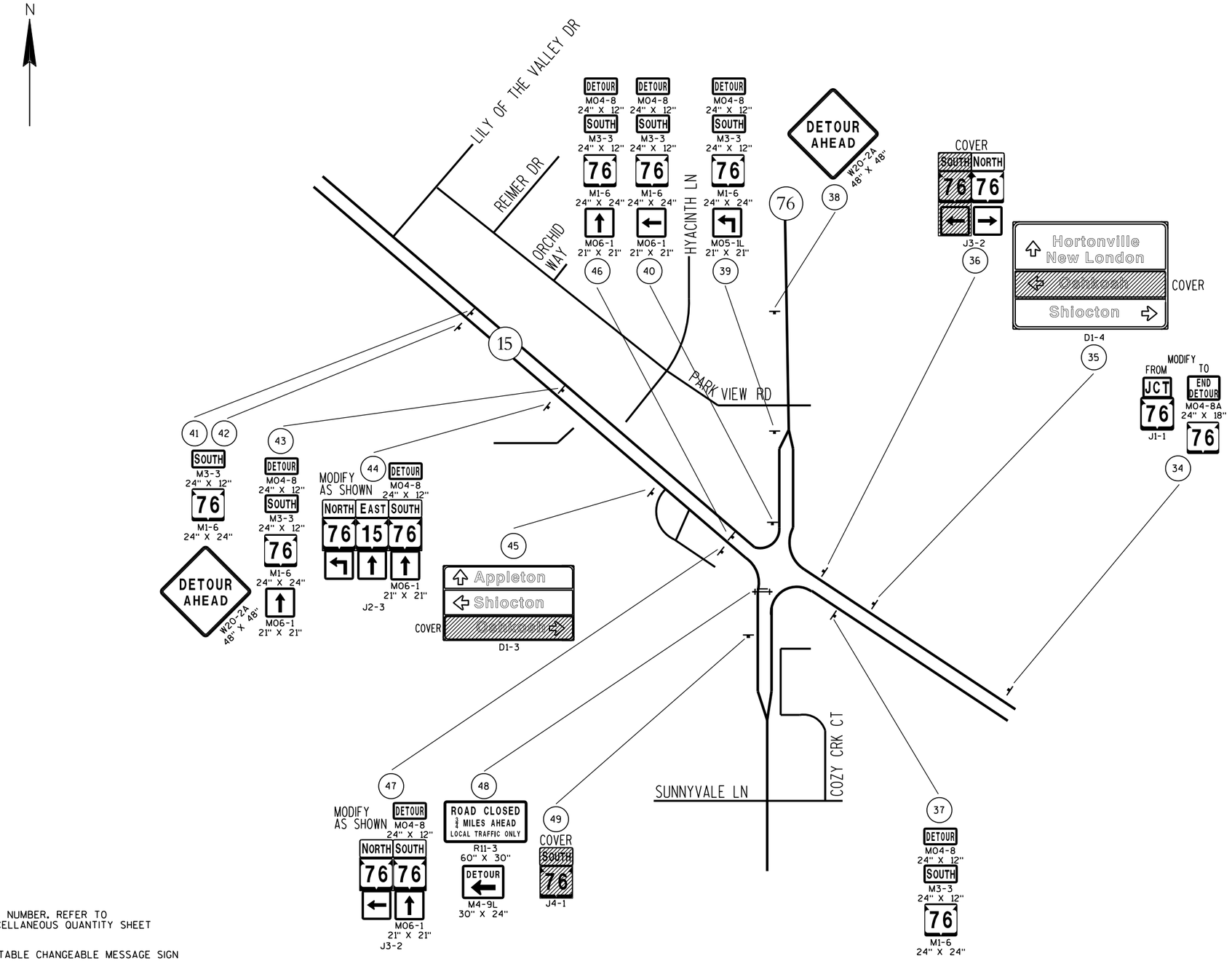
- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN



SHEET 1 OF 2

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL	SHEET 71 E



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 1

SHEET 2 OF 2

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	DETOUR SIGNING DETAIL	SHEET 72	E

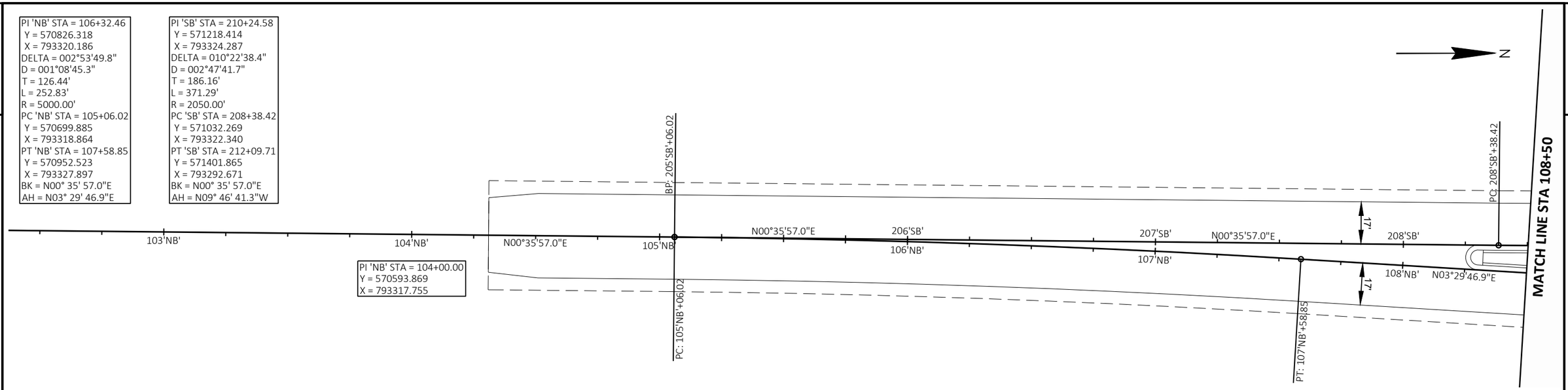
FILE NAME : N:\spo\traffic\A Work Zone\Detours\Outagamie County\STH 76\School Rd\027002_dt.dgn PLOT DATE : 19-SEP-2019 15:03 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

PI 'NB' STA = 106+32.46
Y = 570826.318
X = 793320.186
DELTA = 002°53'49.8"
D = 001°08'45.3"
T = 126.44'
L = 252.83'
R = 5000.00'
PC 'NB' STA = 105+06.02
Y = 570699.885
X = 793318.864
PT 'NB' STA = 107+58.85
Y = 570952.523
X = 793327.897
BK = N00° 35' 57.0"E
AH = N03° 29' 46.9"E

PI 'SB' STA = 210+24.58
Y = 571218.414
X = 793324.287
DELTA = 010°22'38.4"
D = 002°47'41.7"
T = 186.16'
L = 371.29'
R = 2050.00'
PC 'SB' STA = 208+38.42
Y = 571032.269
X = 793322.340
PT 'SB' STA = 212+09.71
Y = 571401.865
X = 793292.671
BK = N00° 35' 57.0"E
AH = N09° 46' 41.3"W

PI 'NB' STA = 104+00.00
Y = 570593.869
X = 793317.755



PI 'NB' STA = 110+18.86
Y = 571212.047
X = 793343.754
DELTA = 015°21'43.1"
D = 005°43'46.5"
T = 134.87'
L = 268.12'
R = 1000.00'
PC 'NB' STA = 108+83.99
Y = 571077.431
X = 793335.529
PT 'NB' STA = 111+52.11
Y = 571344.033
X = 793316.023
BK = N03° 29' 46.9"E
AH = N11° 51' 56.2"W

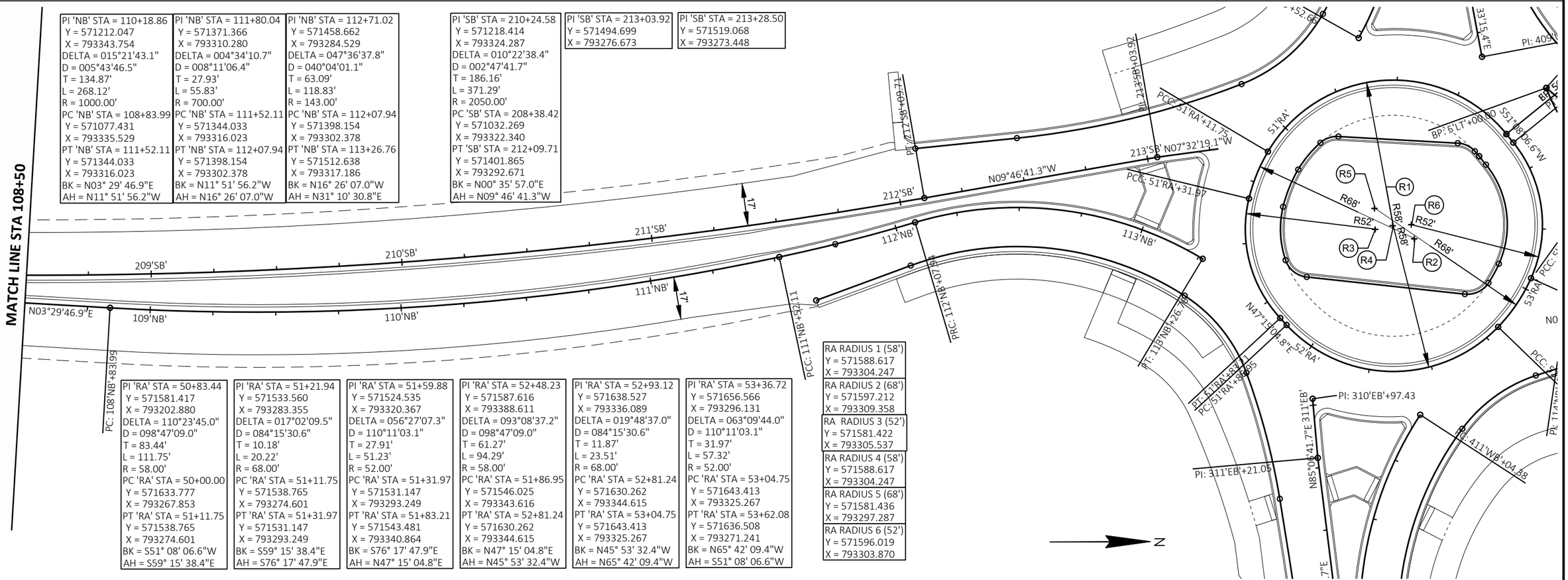
PI 'NB' STA = 111+80.04
Y = 571371.366
X = 793310.280
DELTA = 004°34'10.7"
D = 008°11'06.4"
T = 27.93'
L = 55.83'
R = 700.00'
PC 'NB' STA = 111+52.11
Y = 571344.033
X = 793316.023
PT 'NB' STA = 112+07.94
Y = 571398.154
X = 793302.378
BK = N11° 51' 56.2"W
AH = N16° 26' 07.0"W

PI 'NB' STA = 112+71.02
Y = 571458.662
X = 793284.529
DELTA = 047°36'37.8"
D = 040°04'01.1"
T = 63.09'
L = 118.83'
R = 143.00'
PC 'NB' STA = 112+07.94
Y = 571398.154
X = 793302.378
PT 'NB' STA = 113+26.76
Y = 571512.638
X = 793317.186
BK = N16° 26' 07.0"W
AH = N31° 10' 30.8"E

PI 'SB' STA = 210+24.58
Y = 571218.414
X = 793324.287
DELTA = 010°22'38.4"
D = 002°47'41.7"
T = 186.16'
L = 371.29'
R = 2050.00'
PC 'SB' STA = 208+38.42
Y = 571032.269
X = 793322.340
PT 'SB' STA = 212+09.71
Y = 571401.865
X = 793292.671
BK = N00° 35' 57.0"E
AH = N09° 46' 41.3"W

PI 'SB' STA = 213+03.92
Y = 571494.699
X = 793276.673

PI 'SB' STA = 213+28.50
Y = 571519.068
X = 793273.448



PI 'RA' STA = 50+83.44
Y = 571581.417
X = 793202.880
DELTA = 110°23'45.0"
D = 098°47'09.0"
T = 83.44'
L = 111.75'
R = 58.00'
PC 'RA' STA = 50+00.00
Y = 571633.777
X = 793267.853
PT 'RA' STA = 51+11.75
Y = 571538.765
X = 793274.601
BK = S51° 08' 06.6"W
AH = S59° 15' 38.4"E

PI 'RA' STA = 51+21.94
Y = 571533.560
X = 793283.355
DELTA = 017°02'09.5"
D = 084°15'30.6"
T = 10.18'
L = 20.22'
R = 68.00'
PC 'RA' STA = 51+11.75
Y = 571538.765
X = 793274.601
PT 'RA' STA = 51+31.97
Y = 571531.147
X = 793293.249
BK = S59° 15' 38.4"E
AH = S76° 17' 47.9"E

PI 'RA' STA = 51+59.88
Y = 571524.535
X = 793320.367
DELTA = 056°27'07.3"
D = 110°11'03.1"
T = 27.91'
L = 51.23'
R = 52.00'
PC 'RA' STA = 51+31.97
Y = 571531.147
X = 793293.249
PT 'RA' STA = 51+83.21
Y = 571543.481
X = 793340.864
BK = S76° 17' 47.9"E
AH = N47° 15' 04.8"E

PI 'RA' STA = 52+48.23
Y = 571587.616
X = 793388.611
DELTA = 093°08'37.2"
D = 098°47'09.0"
T = 61.27'
L = 94.29'
R = 58.00'
PC 'RA' STA = 51+86.95
Y = 571546.025
X = 793343.616
PT 'RA' STA = 52+81.24
Y = 571630.262
X = 793344.615
BK = N47° 15' 04.8"E
AH = N45° 53' 32.4"W

PI 'RA' STA = 52+93.12
Y = 571638.527
X = 793336.089
DELTA = 019°48'37.0"
D = 084°15'30.6"
T = 11.87'
L = 23.51'
R = 68.00'
PC 'RA' STA = 52+81.24
Y = 571630.262
X = 793344.615
PT 'RA' STA = 53+04.75
Y = 571643.413
X = 793325.267
BK = N45° 53' 32.4"W
AH = N65° 42' 09.4"W

PI 'RA' STA = 53+36.72
Y = 571656.566
X = 793296.131
DELTA = 063°09'44.0"
D = 110°11'03.1"
T = 31.97'
L = 57.32'
R = 52.00'
PC 'RA' STA = 53+04.75
Y = 571643.413
X = 793325.267
PT 'RA' STA = 53+62.08
Y = 571636.508
X = 793271.241
BK = N65° 42' 09.4"W
AH = S51° 08' 06.6"W

RA RADIUS 1 (58')
Y = 571588.617
X = 793304.247

RA RADIUS 2 (68')
Y = 571597.212
X = 793309.358

RA RADIUS 3 (52')
Y = 571581.422
X = 793305.537

RA RADIUS 4 (58')
Y = 571588.617
X = 793304.247

RA RADIUS 5 (68')
Y = 571581.436
X = 793297.287

RA RADIUS 6 (52')
Y = 571596.019
X = 793303.870

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL - STH 76 SOUTH	SHEET 73	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-027200-AD.DWG
LAYOUT NAME - 743020-027201-ad
743020-027201-ad
PLOT DATE : 1/25/2021 10:12 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

PI 'NB' STA = 116+06.89
Y = 571790.758
X = 793328.007
DELTA = 004°46'10.7"
D = 009°10'55.3"
T = 25.99'
L = 51.95'
R = 624.00'
PC 'NB' STA = 115+80.91
Y = 571764.848
X = 793330.023
PT 'NB' STA = 116+32.85
Y = 571816.745
X = 793328.153
BK = N04° 26' 54.2"W
AH = N00° 19' 16.6"E

PI 'SB' STA = 215+39.40
Y = 571716.774
X = 793332.805
DELTA = 047°09'39.8"
D = 040°04'01.1"
T = 62.42'
L = 117.71'
R = 143.00'
PC 'SB' STA = 214+76.98
Y = 571665.677
X = 793296.959
PT 'SB' STA = 215+94.69
Y = 571777.803
X = 793319.711
BK = N35° 03' 03.2"E
AH = N12° 06' 36.5"W

PI 'SB' STA = 217+67.68
Y = 571948.882
X = 793294.396
DELTA = 012°32'50.5"
D = 005°43'46.5"
T = 109.94'
L = 218.99'
R = 1000.00'
PC 'SB' STA = 216+57.74
Y = 571839.910
X = 793308.924
PT 'SB' STA = 218+76.73
Y = 572058.407
X = 793303.887
BK = N07° 35' 39.4"W
AH = N04° 57' 11.1"E

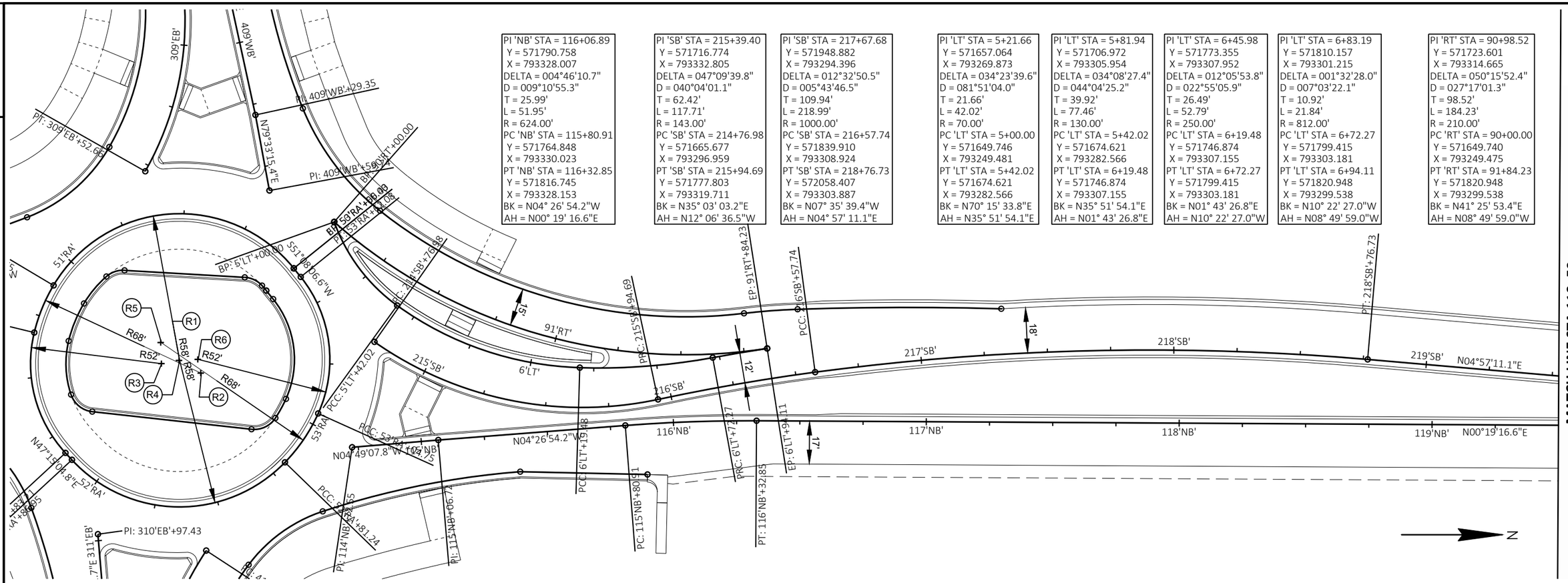
PI 'LT' STA = 5+21.66
Y = 571657.064
X = 793269.873
DELTA = 034°23'39.6"
D = 081°51'04.0"
T = 21.66'
L = 42.02'
R = 70.00'
PC 'LT' STA = 5+00.00
Y = 571649.746
X = 793249.481
PT 'LT' STA = 5+42.02
Y = 571674.621
X = 793282.566
BK = N70° 15' 33.8"E
AH = N35° 51' 54.1"E

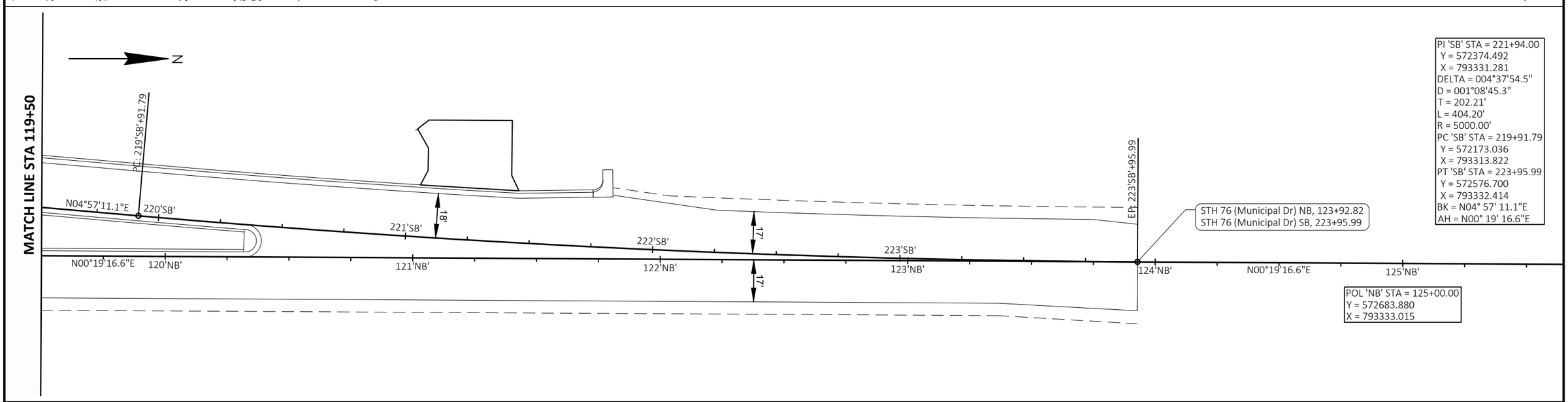
PI 'LT' STA = 5+81.94
Y = 571706.972
X = 793305.954
DELTA = 034°08'27.4"
D = 044°04'25.2"
T = 39.92'
L = 77.46'
R = 130.00'
PC 'LT' STA = 5+42.02
Y = 571674.621
X = 793282.566
PT 'LT' STA = 6+19.48
Y = 571746.874
X = 793307.155
BK = N35° 51' 54.1"E
AH = N01° 43' 26.8"E

PI 'LT' STA = 6+45.98
Y = 571773.355
X = 793307.952
DELTA = 012°05'53.8"
D = 022°55'05.9"
T = 26.49'
L = 52.79'
R = 250.00'
PC 'LT' STA = 6+19.48
Y = 571746.874
X = 793307.155
PT 'LT' STA = 6+72.27
Y = 571799.415
X = 793303.181
BK = N01° 43' 26.8"E
AH = N10° 22' 27.0"W

PI 'LT' STA = 6+83.19
Y = 571810.157
X = 793301.215
DELTA = 001°32'28.0"
D = 007°03'22.1"
T = 10.92'
L = 21.84'
R = 812.00'
PC 'LT' STA = 6+72.27
Y = 571799.415
X = 793303.181
PT 'LT' STA = 6+94.11
Y = 571820.948
X = 793299.538
BK = N10° 22' 27.0"W
AH = N08° 49' 59.0"W

PI 'RT' STA = 90+98.52
Y = 571723.601
X = 793314.665
DELTA = 050°15'52.4"
D = 027°17'01.3"
T = 98.52'
L = 184.23'
R = 210.00'
PC 'RT' STA = 90+00.00
Y = 571649.740
X = 793249.475
PT 'RT' STA = 91+84.23
Y = 571820.948
X = 793299.538
BK = N41° 25' 53.4"E
AH = N08° 49' 59.0"W





PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL - STH 76 NORTH	SHEET 74	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-027200-AD.DWG
LAYOUT NAME - 743020-027202-ad
PLOT DATE : 3/15/2023 8:39 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

N

PI 'WB' STA = 400+53.75
Y = 571565.885
X = 792334.466

PI 'WB' STA = 403+56.68
Y = 571577.698
X = 792637.404

PI: 400'WB'+02.32
BP: 59'NW'+85.4
PI: 63'NW'+00.5
PI: 403'WB'+56.68
PI: 303'EB'+56.66
PI: 300'EB'+53.61
PI: 36'SW'+93.51
PI: 38'SW'+87.86
35'SW'+72.76
35'SW'+92.81

60'NW' 61'NW' 62'NW' 63'NW'
399'WB' 400'WB' 401'WB' 402'WB' 403'WB' 404'WB' N88°53'22.7"E
299'EB' 300'EB' 301'EB' 302'EB' S89°57'52.6"E 303'EB' 304'EB' N88°53'22.7"E
37'SW' 38'SW' 39'SW'
36'SW'

17'
12'
29'

MATCH LINE STA 304+50

2

MATCH LINE STA 304+50

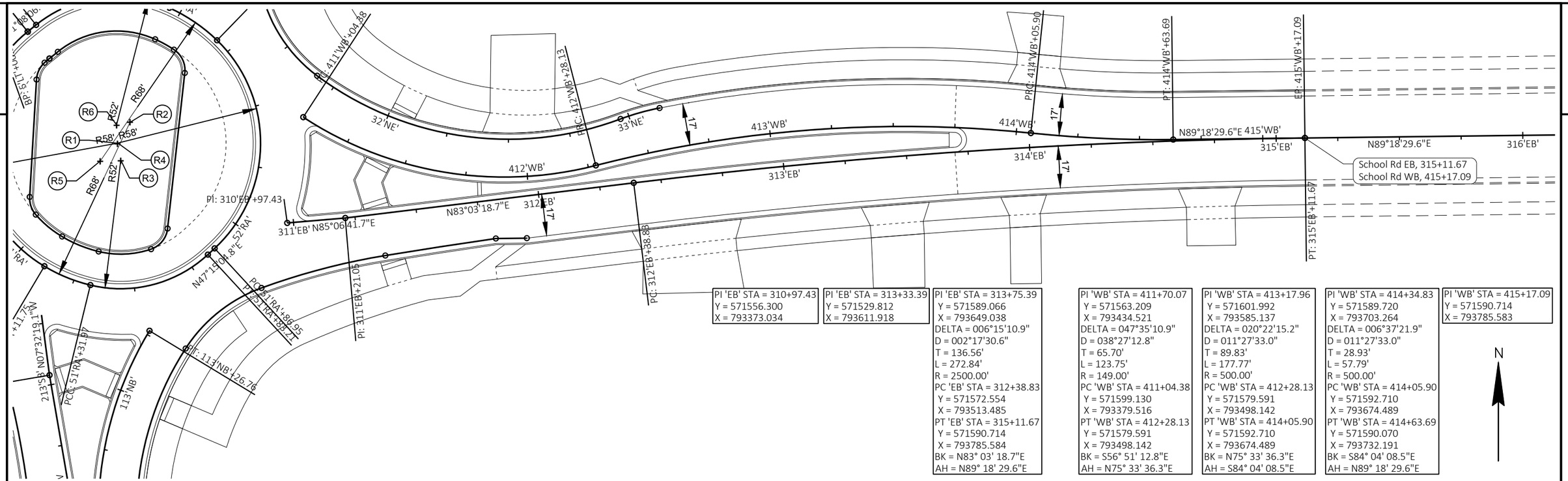
PC: 304'EB'+68.68
PT: 305'EB'+46.88
PC: 306'EB'+63.91
PT: 406'WB'+35.57
PC: 407'WB'+55.80
PT: 408'WB'+49.94
PC: 308'EB'+72.62
PT: 308'EB'+05.82
PT: 309'EB'+52.66
PI: 405'WB'+17.23
PI: 407'WB'+49.94
PI: 409'WB'+29.35
PI: 213'SB'+28.50
PI: 213'SB'+03.92

N88°53'22.7"E 405'WB' 406'WB' 407'WB' N87°32'01.0"E 408'WB' N77°43'36.3"E 409'WB' N79°33'15.4"E
N88°53'22.7"E 305'EB' 306'EB' N89°47'08.5"E 307'EB' 308'EB' N81°39'16.6"E 309'EB'

17'
15'

BK = N04° 26' 54.2"W
AH = N00° 19' 16.6"E

PCC: 5'LT'+42.02
BP: 5'LT'+10.00
PI: 5'LT'+62.68
PI: 5'LT'+49.09
PCC: 5'LT'+42.02
PI: 5'LT'+49.09
PI: 5'LT'+62.68
BP: 5'LT'+10.00



PI 'EB' STA = 310+97.43
Y = 571556.300
X = 793373.034

PI 'EB' STA = 313+33.39
Y = 571529.812
X = 793611.918

PI 'EB' STA = 313+75.39
Y = 571589.066
X = 793649.038
DELTA = 006°15'10.9"
D = 002°17'30.6"
T = 136.56'
L = 272.84'
R = 2500.00'
PC 'EB' STA = 312+38.83
Y = 571572.554
X = 793513.485
PT 'EB' STA = 315+11.67
Y = 571590.714
X = 793785.584
BK = N83° 03' 18.7"E
AH = N89° 18' 29.6"E

PI 'WB' STA = 411+70.07
Y = 571563.209
X = 793434.521
DELTA = 047°35'10.9"
D = 038°27'12.8"
T = 65.70'
L = 123.75'
R = 149.00'
PC 'WB' STA = 411+04.38
Y = 571599.130
X = 793379.516
PT 'WB' STA = 412+28.13
Y = 571579.591
X = 793498.142
BK = S56° 51' 12.8"E
AH = N75° 33' 36.3"E

PI 'WB' STA = 413+17.96
Y = 571601.992
X = 793585.137
DELTA = 020°22'15.2"
D = 011°27'33.0"
T = 89.83'
L = 177.77'
R = 500.00'
PC 'WB' STA = 412+28.13
Y = 571579.591
X = 793498.142
PT 'WB' STA = 414+05.90
Y = 571592.710
X = 793674.489
BK = N75° 33' 36.3"E
AH = S84° 04' 08.5"E

PI 'WB' STA = 414+34.83
Y = 571589.720
X = 793703.264
DELTA = 006°37'21.9"
D = 011°27'33.0"
T = 28.93'
L = 57.79'
R = 500.00'
PC 'WB' STA = 414+05.90
Y = 571592.710
X = 793674.489
PT 'WB' STA = 414+63.69
Y = 571590.070
X = 793732.191
BK = S84° 04' 08.5"E
AH = N89° 18' 29.6"E

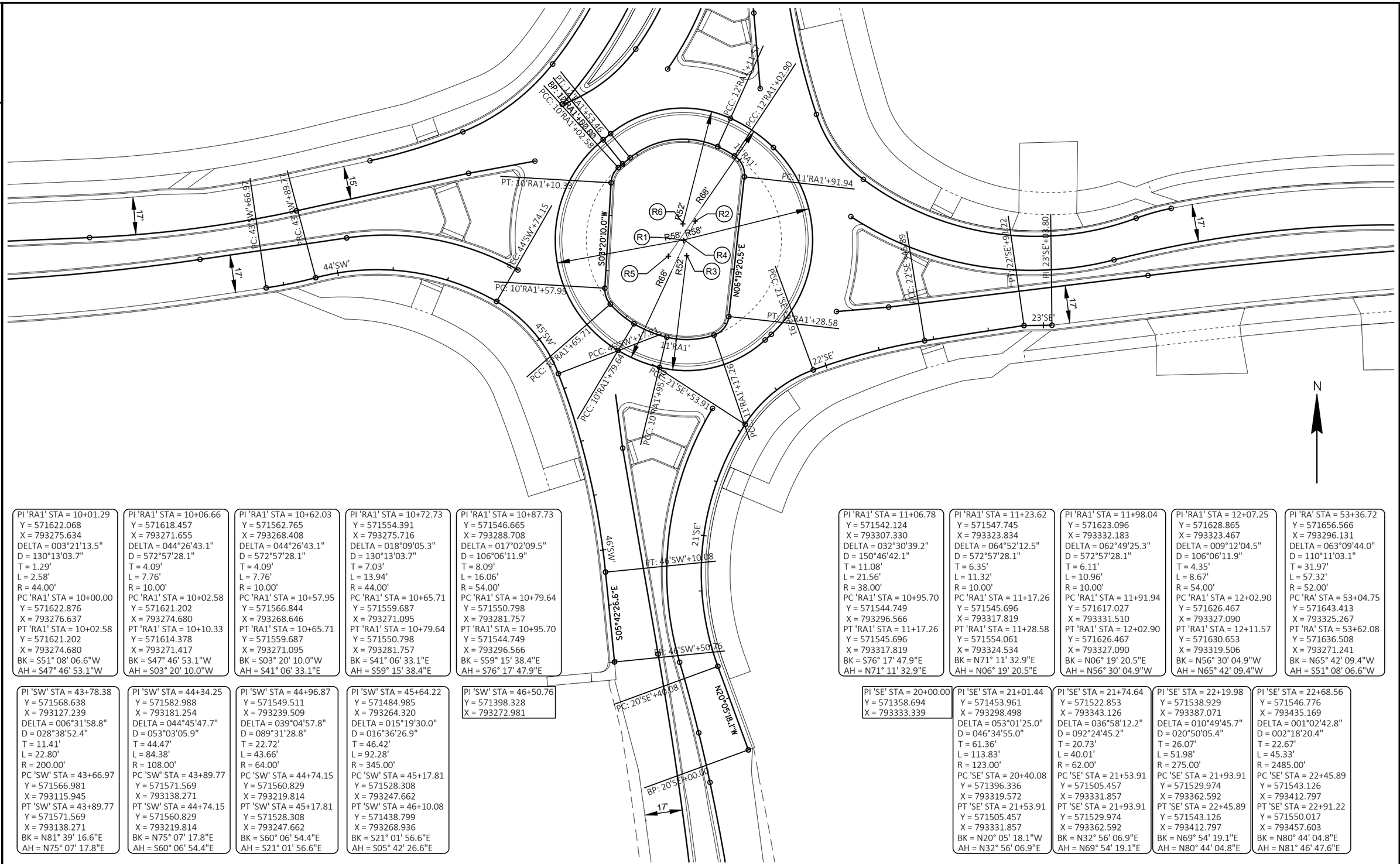
PI 'WB' STA = 415+17.09
Y = 571590.714
X = 793785.583

N

2

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL - SCHOOL RD EAST	SHEET 76	E

2



PI 'RA1' STA = 10+01.29
Y = 571622.068
X = 793275.634
DELTA = 003°21'13.5"
D = 130°13'03.7"
T = 1.29'
L = 2.58'
R = 44.00'
PC 'RA1' STA = 10+00.00
Y = 571622.876
X = 793276.637
PT 'RA1' STA = 10+02.58
Y = 571621.202
X = 793274.680
BK = S51° 08' 06.6"W
AH = S47° 46' 53.1"W

PI 'RA1' STA = 10+06.66
Y = 571618.457
X = 793271.655
DELTA = 044°26'43.1"
D = 572°57'28.1"
T = 4.09'
L = 7.76'
R = 10.00'
PC 'RA1' STA = 10+02.58
Y = 571621.202
X = 793274.680
PT 'RA1' STA = 10+10.33
Y = 571614.378
X = 793271.417
BK = S47° 46' 53.1"W
AH = S03° 20' 10.0"W

PI 'RA1' STA = 10+62.03
Y = 571562.765
X = 793268.408
DELTA = 044°26'43.1"
D = 572°57'28.1"
T = 4.09'
L = 7.76'
R = 10.00'
PC 'RA1' STA = 10+57.95
Y = 571566.844
X = 793268.646
PT 'RA1' STA = 10+65.71
Y = 571559.687
X = 793271.095
BK = S03° 20' 10.0"W
AH = S41° 06' 33.1"E

PI 'RA1' STA = 10+72.73
Y = 571554.391
X = 793275.716
DELTA = 018°09'05.3"
D = 130°13'03.7"
T = 7.03'
L = 13.94'
R = 44.00'
PC 'RA1' STA = 10+65.71
Y = 571559.687
X = 793271.095
PT 'RA1' STA = 10+79.64
Y = 571550.798
X = 793281.757
BK = S41° 06' 33.1"E
AH = S59° 15' 38.4"E

PI 'RA1' STA = 10+87.73
Y = 571546.665
X = 793288.708
DELTA = 017°02'09.5"
D = 106°06'11.9"
T = 8.09'
L = 16.06'
R = 54.00'
PC 'RA1' STA = 10+79.64
Y = 571550.798
X = 793281.757
PT 'RA1' STA = 10+95.70
Y = 571544.749
X = 793296.566
BK = S59° 15' 38.4"E
AH = S76° 17' 47.9"E

PI 'SW' STA = 43+78.38
Y = 571568.638
X = 793127.239
DELTA = 006°31'58.8"
D = 028°38'52.4"
T = 11.41'
L = 22.80'
R = 200.00'
PC 'SW' STA = 43+66.97
Y = 571566.981
X = 793115.945
PT 'SW' STA = 43+89.77
Y = 571571.569
X = 793138.271
BK = N81° 39' 16.6"E
AH = N75° 07' 17.8"E

PI 'SW' STA = 44+34.25
Y = 571582.988
X = 793181.254
DELTA = 044°45'47.7"
D = 053°03'05.9"
T = 44.47'
L = 84.38'
R = 108.00'
PC 'SW' STA = 43+89.77
Y = 571571.569
X = 793138.271
PT 'SW' STA = 44+74.15
Y = 571560.829
X = 793219.814
BK = N75° 07' 17.8"E
AH = S60° 06' 54.4"E

PI 'SW' STA = 44+96.87
Y = 571549.511
X = 793239.509
DELTA = 039°04'57.8"
D = 089°31'28.8"
T = 22.72'
L = 43.66'
R = 64.00'
PC 'SW' STA = 44+74.15
Y = 571560.829
X = 793219.814
PT 'SW' STA = 45+17.81
Y = 571528.308
X = 793247.662
BK = S60° 06' 54.4"E
AH = S21° 01' 56.6"E

PI 'SW' STA = 45+64.22
Y = 571484.985
X = 793264.320
DELTA = 015°19'30.0"
D = 016°36'26.9"
T = 46.42'
L = 92.28'
R = 345.00'
PC 'SW' STA = 45+17.81
Y = 571528.308
X = 793247.662
PT 'SW' STA = 46+10.08
Y = 571438.799
X = 793268.936
BK = S21° 01' 56.6"E
AH = S05° 42' 26.6"E

PI 'SW' STA = 46+50.76
Y = 571398.328
X = 793272.981

PI 'RA1' STA = 11+06.78
Y = 571542.124
X = 793307.330
DELTA = 032°30'39.2"
D = 150°46'42.1"
T = 11.08'
L = 21.56'
R = 38.00'
PC 'RA1' STA = 10+95.70
Y = 571544.749
X = 793296.566
PT 'RA1' STA = 11+17.26
Y = 571545.696
X = 793317.819
BK = S76° 17' 47.9"E
AH = N71° 11' 32.9"E

PI 'RA1' STA = 11+23.62
Y = 571547.745
X = 793323.834
DELTA = 064°52'12.5"
D = 572°57'28.1"
T = 6.35'
L = 11.32'
R = 10.00'
PC 'RA1' STA = 11+17.26
Y = 571545.696
X = 793317.819
PT 'RA1' STA = 11+28.58
Y = 571554.061
X = 793324.534
BK = N71° 11' 32.9"E
AH = N06° 19' 20.5"E

PI 'RA1' STA = 11+98.04
Y = 571623.096
X = 793332.183
DELTA = 062°49'25.3"
D = 572°57'28.1"
T = 6.11'
L = 10.96'
R = 10.00'
PC 'RA1' STA = 11+91.94
Y = 571617.027
X = 793331.510
PT 'RA1' STA = 12+02.90
Y = 571626.467
X = 793327.090
BK = N06° 19' 20.5"E
AH = N56° 30' 04.9"W

PI 'RA1' STA = 12+07.25
Y = 571628.865
X = 793323.467
DELTA = 009°12'04.5"
D = 106°06'11.9"
T = 4.35'
L = 8.67'
R = 54.00'
PC 'RA1' STA = 12+02.90
Y = 571626.467
X = 793327.090
PT 'RA1' STA = 12+11.57
Y = 571630.653
X = 793319.506
BK = N56° 30' 04.9"W
AH = N65° 42' 09.4"W

PI 'RA' STA = 53+36.72
Y = 571656.566
X = 793296.131
DELTA = 063°09'44.0"
D = 110°11'03.1"
T = 31.97'
L = 57.32'
R = 52.00'
PC 'RA' STA = 53+04.75
Y = 571643.413
X = 793325.267
PT 'RA' STA = 53+62.08
Y = 571636.508
X = 793271.241
BK = N65° 42' 09.4"W
AH = S51° 08' 06.6"W

PI 'SE' STA = 20+00.00
Y = 571358.694
X = 793333.339

PI 'SE' STA = 21+01.44
Y = 571453.961
X = 793298.498
DELTA = 053°01'25.0"
D = 046°34'55.0"
T = 61.36'
L = 113.83'
R = 123.00'
PC 'SE' STA = 20+40.08
Y = 571396.336
X = 793319.572
PT 'SE' STA = 21+53.91
Y = 571505.457
X = 793331.857
BK = N20° 05' 18.1"W
AH = N32° 56' 06.9"E

PI 'SE' STA = 21+74.64
Y = 571522.853
X = 793343.126
DELTA = 036°58'12.2"
D = 092°24'45.2"
T = 20.73'
L = 40.01'
R = 62.00'
PC 'SE' STA = 21+53.91
Y = 571505.457
X = 793331.857
PT 'SE' STA = 21+93.91
Y = 571529.974
X = 793362.592
BK = N32° 56' 06.9"E
AH = N69° 54' 19.1"E

PI 'SE' STA = 22+19.98
Y = 571538.929
X = 793387.071
DELTA = 010°49'45.7"
D = 020°50'05.4"
T = 26.07'
L = 51.98'
R = 275.00'
PC 'SE' STA = 21+93.91
Y = 571529.974
X = 793362.592
PT 'SE' STA = 22+45.89
Y = 571543.126
X = 793412.797
BK = N69° 54' 19.1"E
AH = N80° 44' 04.8"E

PI 'SE' STA = 22+68.56
Y = 571546.776
X = 793435.169
DELTA = 001°02'42.8"
D = 002°18'20.4"
T = 22.67'
L = 45.33'
R = 2485.00'
PC 'SE' STA = 22+45.89
Y = 571543.126
X = 793412.797
PT 'SE' STA = 22+91.22
Y = 571550.017
X = 793457.603
BK = N80° 44' 04.8"E
AH = N81° 46' 47.6"E

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL - ROUNDABOUT SOUTH	SHEET 77	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-027200-AD.DWG
LAYOUT NAME - 643020-027221-ad
643020-027221-ad
PLOT DATE : 1/25/2021 10:12 AM
PLOT BY : CRAIG KNUTH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

PI 'NW' STA = 68+49.79
Y = 571628.980
X = 793184.242
DELTA = 010°03'37.5"
D = 022°55'05.9"
T = 22.01'
L = 43.90'
R = 250.00'
PC 'NW' STA = 68+27.78
Y = 571624.303
X = 793162.740
PT 'NW' STA = 68+71.68
Y = 571637.342
X = 793204.597
BK = N67° 43' 36.3"E
AH = N67° 39' 58.7"E

PI 'NW' STA = 68+97.90
Y = 571647.305
X = 793228.846
DELTA = 029°22'49.3"
D = 057°17'44.8"
T = 26.22'
L = 51.28'
R = 100.00'
PC 'NW' STA = 68+71.68
Y = 571637.342
X = 793204.597
PT 'NW' STA = 69+22.96
Y = 571667.882
X = 793245.089
BK = N67° 39' 58.7"E
AH = N38° 17' 09.4"E

PI 'NW' STA = 70+03.91
Y = 571731.424
X = 793295.247
DELTA = 045°05'26.6"
D = 029°22'56.8"
T = 80.95'
L = 153.46'
R = 195.00'
PC 'NW' STA = 69+22.96
Y = 571667.882
X = 793245.089
PT 'NW' STA = 70+76.42
Y = 571811.807
X = 793285.655
BK = N38° 17' 09.4"E
AH = N06° 48' 17.2"W

PI 'NW' STA = 70+87.04
Y = 571822.357
X = 793284.396
DELTA = 004°52'01.9"
D = 022°55'05.9"
T = 10.62'
L = 21.24'
R = 250.00'
PC 'NW' STA = 70+76.42
Y = 571811.807
X = 793285.655
PT 'NW' STA = 70+97.66
Y = 571832.976
X = 793284.037
BK = N06° 48' 17.2"W
AH = N01° 56' 15.2"W

PI 'NW' STA = 71+37.95
Y = 571873.248
X = 793282.674
DELTA = 003°35'32.1"
D = 004°27'31.7"
T = 40.30'
L = 80.57'
R = 1285.00'
PC 'NW' STA = 70+97.66
Y = 571832.976
X = 793284.037
PT 'NW' STA = 71+78.22
Y = 571913.527
X = 793283.838
BK = N01° 56' 15.2"W
AH = N01° 39' 16.9"E

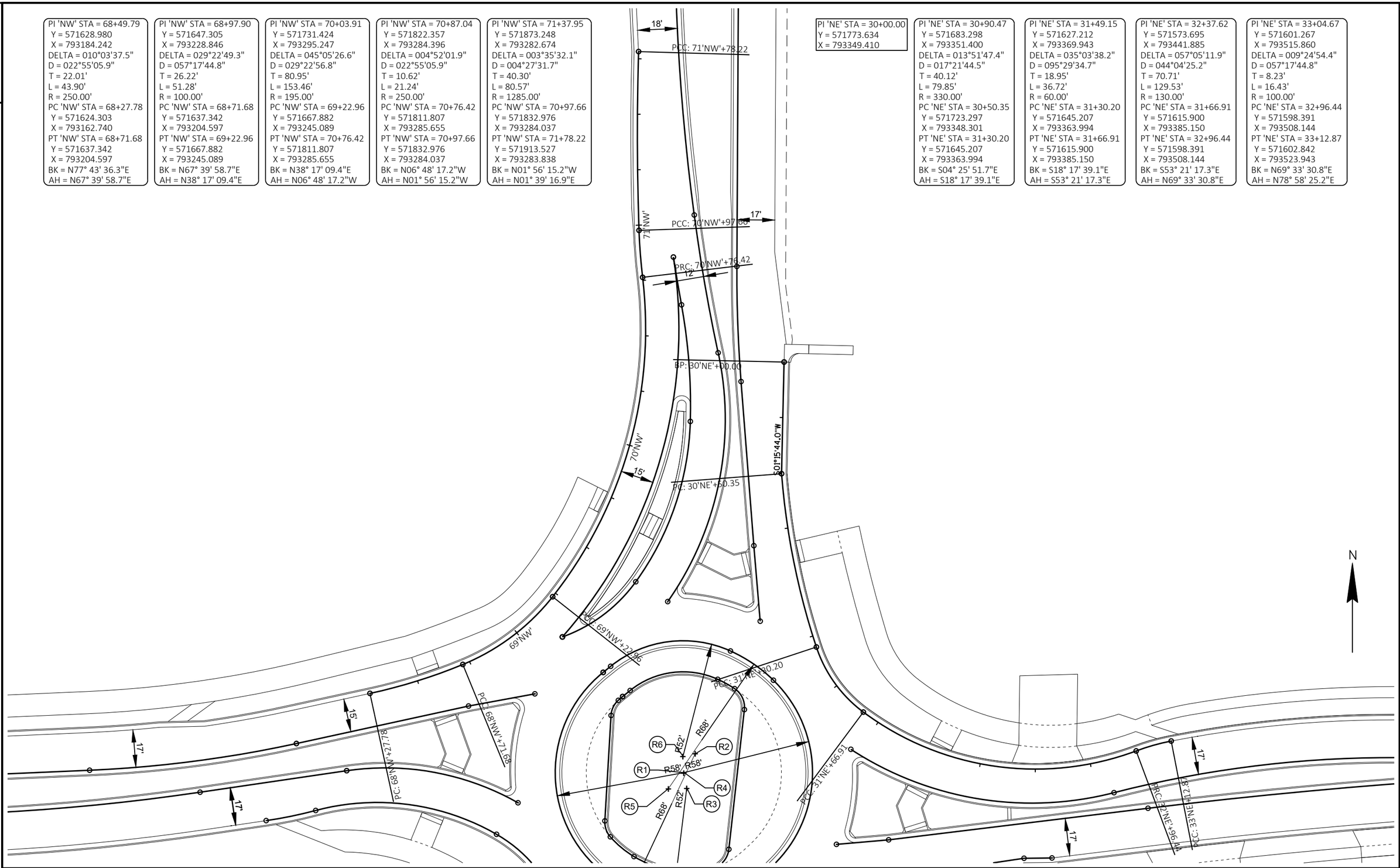
PI 'NE' STA = 30+00.00
Y = 571773.634
X = 793349.410

PI 'NE' STA = 30+90.47
Y = 571683.298
X = 793351.400
DELTA = 013°51'47.4"
D = 017°21'44.5"
T = 40.12'
L = 79.85'
R = 330.00'
PC 'NE' STA = 30+50.35
Y = 571723.297
X = 793348.301
PT 'NE' STA = 31+30.20
Y = 571645.207
X = 793363.994
BK = S04° 25' 51.7"E
AH = S18° 17' 39.1"E

PI 'NE' STA = 31+49.15
Y = 571627.212
X = 793369.943
DELTA = 035°03'38.2"
D = 095°29'34.7"
T = 18.95'
L = 36.72'
R = 60.00'
PC 'NE' STA = 31+30.20
Y = 571645.207
X = 793363.994
PT 'NE' STA = 31+66.91
Y = 571615.900
X = 793385.150
BK = S18° 17' 39.1"E
AH = S53° 21' 17.3"E

PI 'NE' STA = 32+37.62
Y = 571573.695
X = 793441.885
DELTA = 057°05'11.9"
D = 044°04'25.2"
T = 70.71'
L = 129.53'
R = 130.00'
PC 'NE' STA = 31+66.91
Y = 571615.900
X = 793385.150
PT 'NE' STA = 32+96.44
Y = 571598.391
X = 793508.144
BK = S53° 21' 17.3"E
AH = N69° 33' 30.8"E

PI 'NE' STA = 33+04.67
Y = 571601.267
X = 793515.860
DELTA = 009°24'54.4"
D = 057°17'44.8"
T = 8.23'
L = 16.43'
R = 100.00'
PC 'NE' STA = 32+96.44
Y = 571598.391
X = 793508.144
PT 'NE' STA = 33+12.87
Y = 571602.842
X = 793523.943
BK = N69° 33' 30.8"E
AH = N78° 58' 25.2"E



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	ALIGNMENT DETAIL - ROUNDABOUT NORTH	SHEET 78	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-027200-AD.DWG
LAYOUT NAME - 643020-027222-ad
643020-027222-ad
PLOT DATE : 1/25/2021 10:12 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

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Line	Item	Item Description	Unit	Total	Qty
0002	201.0220	Grubbing	ID	24.000	24.000
0004	203.0100	Removing Small Pipe Culverts	EACH	13.000	13.000
0006	204.0150	Removing Curb & Gutter	LF	270.000	270.000
0008	204.0210	Removing Manholes	EACH	1.000	1.000
0010	204.0245	Removing Storm Sewer (size) 01. 18-Inch	LF	50.000	50.000
0012	205.0100	Excavation Common	CY	18,005.000	18,005.000
0014	213.0100	Finishing Roadway (project) 01. 6430-20-71	EACH	1.000	1.000
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,050.000	3,050.000
0018	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	8,588.000	8,588.000
0020	305.0130	Base Aggregate Dense 3-Inch	TON	2,350.000	2,350.000
0022	310.0115	Base Aggregate Open-Graded	CY	9.200	9.200
0024	312.0110	Select Crushed Material	TON	20,749.000	20,749.000
0026	405.0100	Coloring Concrete WisDOT Red	CY	882.000	882.000
0028	415.0080	Concrete Pavement 8-Inch	SY	210.000	210.000
0030	415.2010	Concrete Truck Apron 12-inch	SY	541.000	541.000
0032	455.0605	Tack Coat	GAL	1,088.000	1,088.000
0034	460.2000	Incentive Density HMA Pavement	DOL	3,094.600	3,094.600
0036	460.7223	HMA Pavement 3 HT 58-28 S	TON	5,040.000	5,040.000
0038	460.7424	HMA Pavement 4 HT 58-28 H	TON	1,460.000	1,460.000
0040	465.0105	Asphaltic Surface	TON	114.000	114.000
0042	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	56.000	56.000
0044	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	2.000	2.000
0046	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000
0048	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	2.000	2.000
0050	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000
0052	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0054	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	5.000	5.000
0056	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	252.000	252.000
0058	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	5,189.000	5,189.000
0060	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	395.000	395.000
0062	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	1,917.000	1,917.000
0064	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	354.000	354.000
0066	601.0600	Concrete Curb Pedestrian	LF	210.000	210.000
0068	602.0405	Concrete Sidewalk 4-Inch	SF	18,740.000	18,740.000
0070	602.0410	Concrete Sidewalk 5-Inch	SF	6,960.000	6,960.000
0072	602.0415	Concrete Sidewalk 6-Inch	SF	2,060.000	2,060.000
0074	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	440.000	440.000
0076	602.0810	Concrete Driveway 6-Inch	SY	340.000	340.000
0078	602.3010	Concrete Surface Drains	CY	6.500	6.500
0080	606.0100	Riprap Light	CY	7.000	7.000
0082	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	50.000	50.000
0084	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	200.000	200.000
0086	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	294.000	294.000
0088	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	541.000	541.000
0090	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	8.000	8.000
0092	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	137.000	137.000
0094	608.2319	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	260.000	260.000
0096	608.2419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	176.000	176.000
0098	608.3612	Storm Sewer Pipe Class III-B 12-Inch	LF	147.000	147.000

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Line	Item	Item Description	Unit	Total	Qty
0100	611.0530	Manhole Covers Type J	EACH	4.000	4.000
0102	611.0624	Inlet Covers Type H	EACH	10.000	10.000
0104	611.0627	Inlet Covers Type HM	EACH	9.000	9.000
0106	611.0636	Inlet Covers Type HM-S	EACH	2.000	2.000
0108	611.0639	Inlet Covers Type H-S	EACH	6.000	6.000
0110	611.0642	Inlet Covers Type MS	EACH	4.000	4.000
0112	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0114	611.2004	Manholes 4-FT Diameter	EACH	2.000	2.000
0116	611.2005	Manholes 5-FT Diameter	EACH	4.000	4.000
0118	611.2055	Manholes 5x5-FT	EACH	2.000	2.000
0120	611.3004	Inlets 4-FT Diameter	EACH	1.000	1.000
0122	611.3230	Inlets 2x3-FT	EACH	20.000	20.000
0124	611.3901	Inlets Median 1 Grate	EACH	3.000	3.000
0126	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0128	612.0106	Pipe Underdrain 6-Inch	LF	230.000	230.000
0130	616.0700.S	Fence Safety	LF	200.000	200.000
0132	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6430-20-71	EACH	1.000	1.000
0134	619.1000	Mobilization	EACH	1.000	1.000
0136	620.0300	Concrete Median Sloped Nose	SF	436.000	436.000
0138	624.0100	Water	MGAL	165.000	165.000
0140	625.0100	Topsoil	SY	6,188.000	6,188.000
0142	625.0500	Salvaged Topsoil	SY	11,720.000	11,720.000
0144	627.0200	Mulching	SY	10,096.000	10,096.000
0146	628.1504	Silt Fence	LF	510.000	510.000
0148	628.1520	Silt Fence Maintenance	LF	510.000	510.000
0150	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0152	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0154	628.2006	Erosion Mat Urban Class I Type A	SY	7,421.000	7,421.000
0156	628.2023	Erosion Mat Class II Type B	SY	3,480.000	3,480.000
0158	628.7005	Inlet Protection Type A	EACH	3.000	3.000
0160	628.7015	Inlet Protection Type C	EACH	21.000	21.000
0162	628.7020	Inlet Protection Type D	EACH	8.000	8.000
0164	628.7504	Temporary Ditch Checks	LF	144.000	144.000
0166	628.7555	Culvert Pipe Checks	EACH	20.000	20.000
0168	628.7560	Tracking Pads	EACH	4.000	4.000
0170	628.7570	Rock Bags	EACH	60.000	60.000
0172	629.0210	Fertilizer Type B	CWT	11.300	11.300
0174	630.0110	Seeding Mixture No. 10	LB	53.000	53.000
0176	630.0130	Seeding Mixture No. 30	LB	140.000	140.000
0178	630.0140	Seeding Mixture No. 40	LB	111.000	111.000
0180	630.0200	Seeding Temporary	LB	241.000	241.000
0182	630.0500	Seed Water	MGAL	100.000	100.000
0184	632.0201	Shrubs (species, root, size) 01. Blackhaw Viburnum, 18-24" HT, CG3	EACH	2.000	2.000
0186	632.0201	Shrubs (species, root, size) 02. Sea Green Juniper, 18-24" HT, CG3	EACH	7.000	7.000
0188	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	8.000	8.000
0190	633.5200	Markers Culvert End	EACH	11.000	11.000
0192	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	12.000	12.000
0194	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	26.000	26.000
0196	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	10.000	10.000

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Line	Item	Item Description	Unit	Total	Qty
0198	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	1.000	1.000
0200	637.2210	Signs Type II Reflective H	SF	310.540	310.540
0202	637.2230	Signs Type II Reflective F	SF	82.200	82.200
0204	638.2602	Removing Signs Type II	EACH	16.000	16.000
0206	638.3000	Removing Small Sign Supports	EACH	18.000	18.000
0208	642.5001	Field Office Type B	EACH	1.000	1.000
0210	643.0420	Traffic Control Barricades Type III	DAY	3,570.000	3,570.000
0212	643.0705	Traffic Control Warning Lights Type A	DAY	5,145.000	5,145.000
0214	643.0900	Traffic Control Signs	DAY	16,590.000	16,590.000
0216	643.0920	Traffic Control Covering Signs Type II	EACH	10.000	10.000
0218	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0220	643.3305	Temporary Marking Crosswalk Paint 6-inch	LF	172.000	172.000
0222	643.5000	Traffic Control	EACH	1.000	1.000
0224	644.1410	Temporary Pedestrian Surface Asphalt	SF	1,090.000	1,090.000
0226	644.1440	Temporary Pedestrian Surface Matting	SF	405.000	405.000
0228	644.1605	Temporary Pedestrian Detectable Warning Field	SF	20.000	20.000
0230	644.1810	Temporary Pedestrian Barricade	LF	834.000	834.000
0232	645.0111	Geotextile Type DF Schedule A	SY	138.000	138.000
0234	645.0130	Geotextile Type R	SY	63.000	63.000
0236	645.0140	Geotextile Type SAS	SY	2,040.000	2,040.000
0238	646.1020	Marking Line Epoxy 4-Inch	LF	5,968.000	5,968.000
0240	646.2020	Marking Line Epoxy 6-Inch	LF	6,901.000	6,901.000
0242	646.3020	Marking Line Epoxy 8-Inch	LF	200.000	200.000
0244	646.4020	Marking Line Epoxy 10-Inch	LF	133.000	133.000
0246	646.5020	Marking Arrow Epoxy	EACH	4.000	4.000
0248	646.5120	Marking Word Epoxy	EACH	1.000	1.000
0250	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	277.000	277.000
0252	646.7120	Marking Diagonal Epoxy 12-Inch	LF	437.000	437.000
0254	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	366.000	366.000
0256	646.8120	Marking Curb Epoxy	LF	40.000	40.000
0258	646.8220	Marking Island Nose Epoxy	EACH	4.000	4.000
0260	646.9000	Marking Removal Line 4-Inch	LF	948.000	948.000
0262	650.4000	Construction Staking Storm Sewer	EACH	48.000	48.000
0264	650.4500	Construction Staking Subgrade	LF	6,730.000	6,730.000
0266	650.5000	Construction Staking Base	LF	6,730.000	6,730.000
0268	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	8,162.000	8,162.000
0270	650.9000	Construction Staking Curb Ramps	EACH	22.000	22.000
0272	650.9500	Construction Staking Sidewalk (project) 01. 6430-20-71	EACH	1.000	1.000
0274	650.9911	Construction Staking Supplemental Control (project) 01. 6430-20-71	EACH	1.000	1.000
0276	650.9920	Construction Staking Slope Stakes	LF	6,376.000	6,376.000
0278	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,360.000	2,360.000
0280	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	12.000	12.000
0282	654.0105	Concrete Bases Type 5	EACH	20.000	20.000
0284	654.0220	Concrete Control Cabinet Bases Type 10	EACH	1.000	1.000
0286	655.0610	Electrical Wire Lighting 12 AWG	LF	3,000.000	3,000.000
0288	655.0615	Electrical Wire Lighting 10 AWG	LF	10,390.000	10,390.000
0290	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. STH 76 & School Road	EACH	1.000	1.000
0292	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	20.000	20.000
0294	657.0322	Poles Type 5-Aluminum	EACH	20.000	20.000

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Line	Item	Item Description	Unit	Total	Qty
0296	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	20.000	20.000
0298	659.1115	Luminaires Utility LED A	EACH	20.000	20.000
0300	690.0150	Sawing Asphalt	LF	235.000	235.000
0302	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0304	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0306	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0308	SPV.0035	Special 01. Planting Mixture	CY	103.000	103.000
0310	SPV.0060	Special 01. Adjusting Water Valve Box	EACH	3.000	3.000
0312	SPV.0060	Special 02. Adjusting Sanitary Manhole	EACH	2.000	2.000
0314	SPV.0060	Special 03. Reconstructing Sanitary Manhole	EACH	3.000	3.000
0316	SPV.0060	Special 04. Mini Storm Sewer Cleanouts	EACH	4.000	4.000
0318	SPV.0060	Special 05. Corporation, Curb Stop and Box	EACH	1.000	1.000
0320	SPV.0060	Special 06. Yard Hydrant	EACH	1.000	1.000
0322	SPV.0060	Special 07. Inlets 2x2.5-FT Special	EACH	2.000	2.000
0324	SPV.0060	Special 09. Perennials, Black-Eyed Susan, Goldstrum, 1 Gal. CG	EACH	150.000	150.000
0326	SPV.0060	Special 10. Perennials, Purple Coneflower, Pixie Meadowbrite, 1 Gal. CG	EACH	55.000	55.000
0328	SPV.0060	Special 11. Inlets 2x3-FT Special	EACH	2.000	2.000
0330	SPV.0060	Special 12. Manhole 5-FT Diameter Special	EACH	1.000	1.000
0332	SPV.0090	Special 01. Mini storm Lateral 4-Inch	LF	275.000	275.000
0334	SPV.0090	Special 02. Mini Storm Trunk 6-Inch	LF	194.000	194.000
0336	SPV.0090	Special 03. Water Service 1-Inch	LF	22.000	22.000
0338	SPV.0180	Special 01. Shredded Hardwood Bark Mulch	SY	332.000	332.000

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EARTHWORK

DIVISION	FROM/TO STATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	AVAILABLE MATERIAL (5)	REDUCED EBS IN FILL (9) FACTOR 0.80	EXPANDED EBS BACKFILL (11) FACTOR 1.30	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	* 312.0110 SELECT CRUSH	COMMENT
DIVISION 1												
RAB		932	1,933	932	1,546	2,512	1,980	542	390	390	3,672	Note 15
SCHOOL RD EB	300+50/309+25.554	3,997	39	3,997	31	51	317	357	3,640	3,640	74	
SCHOOL RD EB	311+25/315+11.4	1,002	0	1,002	0	0	693	866	136	136	0	
SCHOOL RD WB	408+75/409+25	216	0	216	0	0	41	51	165	165	0	
SCHOOL RD WB	411+25/411+75	26	0	26	0	0	180	225	-199	0	0	
STH 76 NB	104+50/113+00	2,439	622	2,439	498	809	1,835	1,672	767	767	1,182	
STH 76 NB	115+00/123+75	3,667	478	3,667	382	621	707	406	3,261	3,261	908	
STH 76 SB	210+00/213+00	1,710	255	1,710	204	332	265	76	1,634	1,634	485	
STH 76 SB	215+00/219+00	353	336	353	269	437	304	44	309	309	638	
DIVISION 1 SUBTOTAL		14,342	3,663	14,342	2,930	4,761	6,322	4,240	10,103	10,302	6,959	
GRAND TOTAL		14,342	3,663	14,342	2,930	4,761	6,322	4,240	10,103	10,302	6,959	
TOTAL COMMON EXC		18,005									TONS	

NOTES:

(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 SELECT CRUSH MATERIAL. ITEM NUMBER 312.0110

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = X.2X

(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT CRUSH MATERIAL. EBS BACKFILL FACTOR = 1.3. ITEM NUMBER 312.0110

DEPENDING ON SELECTIONS: **EXPANDED FILL = (UNEXPANDED FILL - REDUCED EBS) * 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.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

* ADDITIONAL QUANTITIES LOCATED IN BASE COURSE TABLE.

REMOVING SMALL CULVERT PIPES

STATION	DIR	LOCATION	203.0100 REMOVING SMALL CULVERT PIPES EACH	COMMENT
CATEGORY 0010				
109+48	R/L	STH 76 NB	1	24" RCCP
109+55	R/L	STH 76 NB	1	24" RCCP
121+25	LT	STH 76 NB	1	18" CMPC
303+75	RT	SCHOOL RD EB	1	15" CPCS
306+06	LT	SCHOOL RD EB	1	12" CMPC
306+25	LT	SCHOOL RD EB	1	18" HDPE
307+10	LT	SCHOOL RD EB	1	15" CMP
312+00	LT	SCHOOL RD EB	1	18" CMPC
312+50	RT	SCHOOL RD EB	1	18" CMPC
313+40	RT	SCHOOL RD EB	1	18" CMPC
314+00	RT	SCHOOL RD EB	1	18" CMPC
314+05	LT	SCHOOL RD EB	1	18" CMPC
314+71	RT	SCHOOL RD EB	1	18" CMPC
		PROJECT TOTAL	13	

GRUBBING

STATION	OFFSET	DIR	ROADWAY	201.0220 GRUBBING ID
CATEGORY 0010				
313+10	63'	LT	SCHOOL RD EB	24
			PROJECT TOTAL	24

REMOVING STORM SEWER

FROM	-	TO	204.0210 REMOVING MANHOLES EACH	204.0245 REMOVING STORM SEWER (18-INCH) LF
CATEGORY 0010				
EX AEW 80	-	MATCH MH 1	1	24
EX AEW 81	-	MATCH MH 1	---	26
		PROJECT TOTAL	1	50

REMOVING CURB AND GUTTER

STATION TO STATION	DIR	LOCATION	204.0150 REMOVING CURB AND GUTTER LF
CATEGORY 0010			
-	RT	RAB SE QUAD	80
-	RT	RAB NE QUAD	55
-	LT	RAB SW QUAD	50
-	LT	RAB NW QUAD	85
		PROJECT TOTAL	270

SAW CUTTING

STATION	TO	STATION	DIR	LOCATION	690.0150 SAWING ASHPALT LF	Notes
CATEGORY 0010						
104+30			R/L	STH 76	30	S Project Limits
123+75			R/L	STH 76	35	N Project Limits
221+25			LT	STH 76	34	Driveway
300+50			R/L	SCHOOL RD	34	West Project Limits
315+12			R/L	SCHOOL RD	34	East Project Limits
303+75			RT	SCHOOL RD	38	YMCA Driveway
405+15			LT	SCHOOL RD	10	Trail West Tie-In
406+25			LT	SCHOOL RD	10	Trail North Tie-In
306+25			RT	SCHOOL RD	10	Trail South Tie-In
				PROJECT TOTALS	235	

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BASE COURSE

STATION TO STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH *** TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	312.0110 SELECT CRUSHED MATERIAL ** TON	624.0100 WATER MGAL	REMARKS
CATEGORY 0010							
104+31 - 113+25	STH 76 NB & SB	---	1,670	---	4,240	35	
111+94 - 113+40	STH 76 NB Truck Apron	---	50	---	---	---	
104+31 - 111+63	STH 76 NB RT Shoulder	590	130	---	---	4	
108+25 - 113+20	STH 76 Median	140	140	---	---	2	
204+31 - 212+02	STH 76 SB LT Shoulder	610	140	---	---	5	
-	RAB	---	710	---	1,790	15	
114+75 - 123+93	STH 76 NB & SB	---	1,900	---	4,810	40	
214+64 - 215+69	STH 76 SB Splitter Island	---	10	---	---	---	
155+96 - 123+93	STH 76 NB RT Shoulder	640	150	---	---	5	
114+75 - 120+75	STH 76 Median	230	170	---	---	2	
221+83 - 223+96	STH 76 SB LT Shoulder	170	40	---	---	1	
221+00 - 221+50	STH 76 Driveway RT	---	30	---	---	---	
300+56 - 306+05	SCHOOL RD EB&WB	---	1,100	1,830	---	18	
306+05 - 309+55	SCHOOL RD EB&WB	---	770	---	1,650	15	
-	ASPHALT TRAIL	---	550	---	---	3	
306+05 - 310+00	Sidewalk & Driveways	230	---	---	---	1	
311+00 - 313+70	SCHOOL RD EB&WB	---	530	---	1,300	11	
313+70 - 315+12	SCHOOL RD EB&WB	---	320	400	---	4	
311+00 - 315+12	Sidewalk & Driveways	440	---	---	---	3	
311+75 - 313+70	School RD Asphalt Median	---	90	---	---	1	
CATEGORY 0020							
300+41 - 301+62	SCHOOL RD EB	---	80	120	---	---	
	CATEGORY 0010 TOTALS	3,050	8,500	2,230	13,790	165	
	CATEGORY 0020 TOTALS	0	80	120	0	0	
	PROJECT TOTALS	3,050	8,580	2,350	13,790	165	

** ADDITIONAL QUANTITIES LOCATED IN EARTHWORK TABLE

*** ADDITIONAL QUANTITIES LOCATED IN CONCRETE DRIVEWAY TABLE

3

GEOTEXTILE FABRIC SAS

STA	DIR	LOCATION	645.0140 Geotextile Type SAS SY	Notes
CATEGORY 0010				
107+85 - 110+45	RT	S STH 76 NB	360	Place in EBS Section under Select Crushed Material
115+02 - 119+20	RT	N STH 76 NB	560	
106+50 - 213+73	RT	S STH 76 NB	930	
308+50 - 310+10	RT	W School RD EB	190	
		PROJECT TOTAL	2,040	

CONCRETE SURFACE DRAINS

STA	DIR	LOCATION	602.3010 CONCRETE SURFACE DRAINS CY	645.0130 GEOTEXTILE TYPE R SY	606.0100 Light RipRap CY
CATEGORY 0010					
212+05	LT	STH 76 SB	2.5	20	1.5
115+95	RT	STH 76 NB	2.5	20	1.5
221+77	LT	STH 76 SB	1.5	23	4.0
		PROJECT TOTAL	6.5	63	7

CONCRETE PAVEMENT

STATION TO STATION	LOCATION	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.2010 CONCRETE TRUCK ARPON 12-INCH SY	405.0100 COLORING CONCRETE WISDOT RED *** CY
CATEGORY 0010				
111+95 - 113+40	STH 76 NB	150	---	100
214+65 - 215+70	STH 76 SB	60	---	40
RAB	RAB	---	541	541
	PROJECT TOTALS	210	541	681

*** ADDITIONAL QUANTITIES LOCATED IN CONCRETE SIDEWALK TABLE

CONCRETE DRIVEWAY

STATION TO STATION	DIR	LOCATION	305.012 BASE AGGREGATE DENSE 1 1/4-INCH *** TON	602.8010 CONCRETE DRIVEWAY 6-INCH SY	COMMENTS
CATEGORY 0010					
411+85 - 412+15	LT	SCHOOL RD WB	2	50	NOTE 1
312+40 - 312+75	RT	SCHOOL RD EB	2	120	
313+35 - 313+55	RT	SCHOOL RD EB	1	30	NOTE 1
313+80 - 314+10	RT	SCHOOL RD EB	1	30	NOTE 1
413+90 - 414+10	LT	SCHOOL RD WB	1	60	
314+65 - 314+90	RT	SCHOOL RD EB	1	50	NOTE 1
		PROJECT TOTALS	8	340	

*** ADDITIONAL QUANTITIES ILOCATED IN BASE AGGREGATE TABLE

NOTE 1: INCLUDES QUANTITY FOR ADJACENT ASPHALT DRIVEWAY

3

CONCRETE SIDEWALK

STATION	TO	STATION	DIR	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	405.0100 COLORING CONCRETE WISDOT RED *** CY
CATEGORY 0010								
212+75	-	213+25		STH 76 SB	---	---	170	---
108+25	-	113+25		S STH 76 MEDIAN	4,630	---	250	57
114+75	-	120+75		STH 76 NB	---	---	200	---
214+75	-	210+85		STH 76 SB	---	---	50	---
114+75	-	120+75		STH 76 MEDIAN	8,150	---	230	101
306+00	-	310+00		SCHOOL RD EB	---	1,510	240	---
306+00	-	309+50		SCHOOL RD MEDIAN	2,550	---	360	31
406+15	-	409+50		SCHOOL RD WB	---	2,230	160	0
310+00	-	315+15		SCHOOL RD EB	1,150	1,530	90	---
410+00	-	414+85		SCHOOL RD MEDIAN	980	---	200	12
410+00	-	415+20		SCHOOL RD WB	1,280	1,690	110	---
				PROJECT TOTALS	18,740	6,960	2,060	201

*** ADDITONAL QUANTITIES LOCATED IN CONCRETE PAVEMENT TABLE

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

STATION	LOCATION	DIR	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF
CATEGORY 0010			
113+00	STH 76 NB	RT & LT	40
213+00	STH 76 SB	RT & LT	40
115+00	STH 76 NB	RT & LT	40
215+05	STH 76 SB	RT & LT	80
306+25	SCHOOL RD EB	RT & LT	40
406+25	SCHOOL RD WB	RT & LT	40
309+20	SCHOOL RD EB	RT & LT	40
409+20	SCHOOL RD WB	RT & LT	40
311+30	SCHOOL RD EB	RT & LT	40
411+40	SCHOOL RD WB	RT & LT	40
	PROJECT TOTALS		440

ASPHALTIC ITEMS

STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES TON	NOTES
CATEGORY 0010									
104+31	-	113+25	S STH 76 (SB&NB)	245	1,460	350	---	---	---
114+72	-	123+93	N STH 76 (SB&NB)	288	1,660	400	---	20	---
			RAB	83	490	120	---	---	---
300+41	-	306+05	SCHOOL RD (EB&WB)	213	365	270	---	10	4" HMA Cross-Section
306+05	-	309+53	SCHOOL EB	52	270	60	11	---	2" Surface for Trail
406+05	-	409+60	SCHOOL WB	47	280	70	---	---	---
405+15	-	409+72	SCHOOL WB	21	---	---	32	10	2" Surface for Trail
406+46	-	407+81	SCHOOL WB MEDIAN	12	---	---	40	---	HMA-4 Median
310+97	-	314+00	SCHOOL EB	40	220	50	---	6	
411+04	-	413+75	SCHOOL WB	38	200	50	---	10	---
411+80	-	413+75	SCHOOL WB MEDIAN	9	---	---	31	---	HMA-4 Median
313+70	-	315+12	SCHOOL RD (EB&WB)	40	70	60	---	---	4" HMA Cross-Section
CATEGORY 0010									
300+41	-	306+05	SCHOOL RD EB	---	25	30	---	---	4" HMA Cross-Section
			CATEGORY 0010 TOTALS	1,088	5,015	1,430	114	56	
			CATEGORY 0020 TOTALS	0	25	30	0	0	
			PROJECT TOTOTAL	1,088	5,040	1,460	114	56	

CONCRETE MEDIAN SLOPED NOSE

STATION	DIR	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
CATEGORY 0010			
108+27	LT	STH 76 NB	60
113+20	LT	STH 76 NB	18
213+22	RT	STH 76 SB	20
214+63	LT	STH 76 SB	21
214+85	LT	STH 76 SB	18
114+78	LT	STH 76 NB	20
215+72	LT	STH 76 SB	50
220+35	RT	STH 76 SB	74
306+10	LT	SCHOOL EB	72
309+45	LT	SCHOOL EB	18
409+52	RT	SCHOOL WB	25
411+10	RT	SCHOOL WB	20
311+05	LT	SCHOOL EB	20
313+70	LT	SCHOOL WB	60
		PROJECT TOTAL	436

3

CONCRETE CURB AND GUTTER

STATION TO STATION	DIR	LOCATION	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0553 CONCRETE CURB & GUTTER 4-IN SLOPED 36-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-IN SLOPPED 36-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-IN SLOPPED 36-INCH TYPE R LF	601.0600 CONCRETE CURB PEDESTRIAN LF
CATEGORY 0010								
111+62 - 113+47	RT	STH 76 NB	---	---	187	---	---	---
108+32 - 113+19	LT	STH 76 NB	---	167	---	321	---	---
212+10 - 213+60	LT	STH 76 SB	---	176	---	---	---	---
208+32 - 213+20	RT	STH 76 SB	---	170	---	317	---	---
213+00	RT	STH 76 SB	---	---	---	---	---	51
-		RAB	---	---	---	---	354	---
-		RAB	252	---	---	---	---	---
-		RAB	---	121	---	---	---	---
114+37 - 115+89	RT	STH 76 NB	---	169	---	---	---	---
114+80 - 120+75	LT	STH 76 NB	---	173	---	377	---	---
214+85 - 220+78	RT	STH 76 SB	---	173	---	377	---	---
214+63 - 215+69	LT	STH 76 SB	---	---	208	---	---	---
214+54 - 221+75	LT	STH 76 SB	---	194	---	525	---	---
215+05	RT	STH 76 SB	---	---	---	---	---	47
300+56 - 309+50	RT	SCHOOL EB	---	884	---	---	---	---
306+10 - 309+45	LT	SCHOOL EB	---	336	---	---	---	---
400+56 - 409+57	LT	SCHOOL WB	---	900	---	---	---	---
406+10 - 409+50	RT	SCHOOL WB	---	340	---	---	---	---
406+25	RT	SCHOOL WB	---	---	---	---	---	20
408+80	RT	SCHOOL WB	---	---	---	---	---	52
310+87 - 315+12	RT	SCHOOL EB	---	430	---	---	---	---
311+06 - 313+68	LT	SCHOOL EB	---	261	---	---	---	---
411+04 - 415+18	LT	SCHOOL WB	---	403	---	---	---	---
411+12 - 413+73	RT	SCHOOL WB	---	262	---	---	---	---
411+40	RT	SCHOOL WB	---	---	---	---	---	41
300+41 - 303+57	RT	SCHOOL EB	---	15	---	---	---	---
300+41 - 303+57	LT	SCHOOL WB	---	15	---	---	---	---
		PROJECT TOTALS	252	5,189	395	1,917	354	210

STORM SEWER & CULVERT PIPES

FROM	-	TO	520.8000	608.0312	608.0318	608.0324	608.0412	608.0415	608.0418	608.3612	608.2319	608.2419
			CONCRETE COLLARS FOR PIPE	STORM SEWER PIPE								
				REINFORCED CONCRETE CLASS III			REINFORCED CONCRETE CLASS IV			CLASS III-B	SSPRCHE CLASS HE-III	SSPRCHE CLASS HE-IV
				12-INCH LF	18-INCH LF	24-INCH LF	12-INCH LF	15-INCH LF	18-INCH LF	12-INCH LF	19X30-INCH LF	19X30-INCH LF
CATEGORY 0010												
AEW 1.0	-	MH 2.0	---	---	---	---	---	---	---	---	102	---
MH 2.0	-	INL 2.1	---	---	---	---	---	8	---	---	---	---
INL 2.1	-	INL 2.2	---	---	---	---	48	---	---	---	---	---
INL 2.2	-	INL 2.3	---	---	---	---	10	---	---	---	---	---
MH 2.0	-	MH 3.0	---	---	---	---	---	---	---	---	158	---
MH 3.0	-	INL 3.3	---	---	---	---	---	---	---	8	---	---
MH 3.0	-	INL 3.1	---	---	---	---	25	---	---	---	---	---
INL 3.1	-	INL 3.2	---	---	---	---	9	---	---	---	---	---
MH 3.0	-	MH 4.0	---	---	---		---	---	---	---	---	---
MH 4.0		INL 4.1	---	---	---	---	28	---	---	---	---	---
MH 4.0	-	MH 5.0	---	---	---	112	---	---	---	---	---	---
MH 5.0	-	INL 5.3	---	---	---	---	---	---	---	12	---	---
MH 5.0	-	INL 5.1	---	---	---	---	24	---	---	---	---	---
INL 5.1	-	INL 5.2	---	---	---	---	6	---	---	---	---	---
MH 5.0	-	MH 6.0	---	---	---	68	---	---	---	---	---	---
MH 6.0	-	INL 6.1	---	---	---	114	---	---	---	---	---	---
INL 6.1	-	INL 6.2	---	---	10	---	---	---	---	---	---	---
AEW 7.0	-	INL 7.1	---	---	---	---	40	---	---	---	---	---
AEW 8.0	-	INL 8.1	---	---	---	---	88	---	---	---	---	---
INL 8.1	-	INL 8.2	---	---	---	---	10	---	---	---	---	---
MH 9.0	-	PROJECT LIMITS	1	---	---	---	---	---	137	---	---	---
MH 9.0	-	INL 9.1	---	---	---	---	8	---	---	---	---	---
INL 9.1	-	INL 9.2	---	---	---	---	20	---	---	---	---	---
MH 9.0	-	INL 9.3	---	---	---	---	20	---	---	---	---	---
AEW 10.0	-	INL 10.1	---	---	---	---	---	---	---	70	---	---
INL 10.1	-	INL 10.2	---	---	---	---	19	---	---	---	---	---
INL 10.2	-	INL 10.3	---	---	---	---	5	---	---	---	---	---
AEW 11.0	-	INL 11.1	---	---	---	---	---	---	---	36	---	---
INL 11.1	-	INL 11.2	---	---	---	---	20	---	---	---	---	---
INL 11.2	-	INL 11.3	---	---	---	---	---	---	---	21	---	---
INL 11.2	-	INL 11.4	---	---	---	---	105	---	---	---	---	---
AEW 12.0	-	INL 12.1	---	---	190	---	---	---	---	---	---	---
INL 12.2	-	INL 12.3	---	50	---	---	---	---	---	---	---	---
		SUBTOTAL	1	50	200	294	485	8	137	147	260	0

STORM SEWER & CULVERT PIPES

FROM	-	TO	520.8000 CONCRETE COLLARS FOR PIPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 REINFORCED CONCRETE CLASS III 24-INCH LF	608.0412 REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 REINFORCED CONCRETE CLASS IV 18-INCH LF	608.3612 CLASS III-B 12-INCH LF	608.2319 SSPRCHE CLASS HE-III 19X30-INCH LF	608.2419 SSPRCHE CLASS HE-IV 19X30-INCH LF
CATEGORY 0010												
INL 12.3	-	INL 12.4	---	---	---	---	18	---	---	---	---	---
MH 12.3	-	Existing Pipe	1	---	---	---	2	---	---	---	---	---
MH 12.3	-	INL 6.2	---	---	---	---	---	---	---	---	---	---
AEW 14.0	-	INL 14.1	---	---	---	---	36	---	---	---	---	35
INL 14.1	-	INL 14.2	---	---	---	---	---	---	---	---	---	14
INL 14.2	-	AEW 14.3	---	---	---	---	---	---	---	---	---	39
AEW 16	-	AEW 17	---	---	---	---	---	---	---	---	---	88
		SUBTOTAL	1	0	0	0	56	0	0	0	0	176
		PROJECT TOTAL	2	50	200	294	541	8	137	147	260	176

PIPE UNDERDRAIN

STATION	LOCATION	OFFSET	DIR	S.S STR #	310.0115 BASE AGGREGATE OPEN-GRADED CY	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	612.0106 PIPE UNDERDRAIN 6-INCH LF	NOTES
CATEGORY 0010								
220+75	N STH 76 SB Lane	19.5	LT	2.1	0.8	12	20	10' Section to North & South
219+17	N STH 76 SB Lane	1.5	RT	3.1	0.4	6	10	10' Section to North
219+08	N STH 76 SB Lane	1.5	RT	3.2	0.4	6	10	10' Section to South
217+00	N STH 76 SB Lane	1.5	RT	4.1	0.8	12	20	10' Section to North & South
215+91	N STH 76 SB Lane	36.7	LT	5.0	0.4	6	10	10' Section to South
409+01	W School RD WB Lane	16.9	LT	6.1	0.4	6	10	10' Section to East
408+91	W School RD WB Lane	16.5	LT	6.2	0.4	6	10	10' Section to West
52+85	STH 76 & School RD RAB	1.5	LT	8.1	0.4	6	10	10' Section to NorthWest
52+75	STH 76 & School RD RAB	1.5	LT	8.2	0.4	6	10	10' Section to SouthEast
413+70	E School RD WB Lane	18.5	LT	9.2	0.8	12	20	10' Section to West & East
313+65	E School RD EB Lane	18.5	RT	9.3	0.8	12	20	10' Section to West & East
112+20	S STH 76 NB Lane	17	RT	10.1	0.8	12	20	10' Section to North & South
308+99	W School RD EB Lane	17.4	RT	11.1	0.8	12	20	10' Section to West & East
308+00	W School RD EB Lane	1.5	LT	11.4	0.4	6	10	10' Section to West
305+50	W School RD EB Lane	18.5	RT	12.1	0.4	6	10	10' Section to West
405+50	W School RD WB Lane	18.5	LT	12.2	0.4	6	10	10' Section to West & East
109+54	S STH 76 NB Lane	1.5	LT	14.1	0.4	6	10	10' Section to North
	PROJECT TOTALS				9.2	138	230	

STORM SEWER STRUCTURES/ENDWALLS

STRUCTURE	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2055 Manholes 5x5-FT EACH	SPV.0060.07 Inlets 2x2.5-FT SPECIAL EACH	SPV.0060.11 Inlets 2X3-FT Special EACH	SPV.0060.12 Manhole 5-FT Diameter Special EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	611.3902 Inlets Median 2 Grate EACH	611.3004 Inlets 4-FT Diameter EACH	522.2619 Apron Endwall CPRCHE 19x30-Inch EACH	520.1012 Apron Endwalls for Culvert Pipe 12-Inch EACH	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch EACH	522.1015 15-Inch EACH	522.1018 18-Inch EACH
CATEGORY 0010															
AEW 1.0	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---
MH 2.0	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---
INL 2.1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---
INL 2.2	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 2.3	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 2.4	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---
MH 3.0	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
INL 3.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 3.2	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 3.3	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---
MH 4.0	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---
INL 4.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
MH 5.0	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---
INL 5.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 5.2	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 5.3	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---
MH 6.0	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
INL 6.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 6.2	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
AEW 7.0	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---
INL 7.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
AEW 8.0	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---
INL 8.1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
INL 8.2	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
MH 9.0	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
INL 9.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 9.2	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 9.3	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
AEW 10.0	---	---	---	---	---	---		---	---	---	---	1	---	---	---
INL 10.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 10.2	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 10.3	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
AEW 11.0	---	---	---	---	---	---		---	---	---	---	1	---	---	---
INL 11.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 11.2	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 11.3	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
INL 11.4	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
AEW 12.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
SUBTOTAL	2	2	2	2	0	0	20	3	1	1	1	2	2	0	1

STORM SEWER STRUCTURES/ENDWALLS

STRUCTURE	611.2004 Manholes 4-FT Diameter EACH	611.2005 Manholes 5-FT Diameter EACH	611.2055 Manholes 5x5-FT EACH	SPV.0060.07 Inlets 2x2.5-FT SPECIAL EACH	SPV.0060.11 Inlets 2X3-FT Special EACH	SPV.0060.12 Manhole 5-FT Diameter Special EACH	611.3230 Inlets 2x3-FT EACH	611.3901 Inlets Median 1 Grate EACH	611.3902 Inlets Median 2 Grate EACH	611.3004 Inlets 4-FT Diameter EACH	522.2619 Apron Endwall CPRCHE 19x30-Inch EACH	520.1012 Apron Endwalls for Culvert Pipe 12-Inch EACH	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch EACH	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch EACH	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch EACH
CATEGORY 0010															
INL 12.1	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
INL 12.2	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
INL 12.3	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---
AEW 12.4	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
AEW 14.0	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---
INL 14.1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---
INL 14.2	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---
AEW 14.3	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---
AEW 16	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---
AEW 17	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---
SUBTOTAL	0	2	0	0	2	1	0	0	0	0	4	0	0	1	0
PROJECT TOTAL	2	4	2	2	2	1	20	3	1	1	5	2	2	1	1

FENCE SAFETY

STATION TO STATION	LOCATION	616.0770.S FENCE SAFETY LF
CATEGORY 0010		
110+00 RT - 112+00 RT	STH 76 NB	200
	PROJECT TOTALS	200

STORM SEWER COVERS

STRUCTURE	611.0530 Manhole Covers Type J EACH	611.0624 Inlet Covers Type H EACH	611.0627 Inlet Covers Type HM EACH	611.0636 Inlet Covers Type HM-S EACH	611.0639 Inlet Covers Type H-S EACH	611.0642 Inlet Covers Type MS EACH	611.0652 Inlet Covers Type T EACH	NOTES
CATEGORY 0010								
MH 2.0	---	---	---	---	---	2	---	
INL 2.1	---	---	1	---	---	---	---	
INL 2.2	---	---	1	---	---	---	---	
INL 2.3	---	---	1	---	---	---	---	
MH 3.0	1	---	---	---	---	---	---	
INL 3.1	---	---	1	---	---	---	---	
INL 3.2	---	---	1	---	---	---	---	
INL 3.3	---	---	---	---	---	1		
MH 4.0	1	---	---	---	---	---	---	
INL 4.1	---	1	---	---	---	---	---	
MH 5.0	---	---	---	---	1	---	---	
INL 5.1	---	---	1	---	---	---	---	
INL 5.2	---	---	1	---	---	---	---	
INL 5.3	---	---	---	---	---	1	---	
MH 6.0	1	---	---	---	---	---	---	
INL 6.1	---	---	---	---	1	---	---	
INL 6.2	---	---	---	---	1	---	---	
INL 7.1	---	---	1	---	---	---	---	
INL 8.1	---	---	---	---	---	---	1	
INL 8.2	---	---	---	---	---	---	1	
MH 9.0	---	1	---	---	---	---	---	
INL 9.1	---	1	---	---	---	---	---	
INL 9.2	---	1	---	---	---	---	---	
INL 9.3	---	1	---	---	---	---	---	
INL 10.1	---	---	1	---	---	---	---	
INL 10.2	---	1	---	---	---	---	---	
INL 10.3	---	1	---	---	---	---	---	
INL 11.1	---	---	---	---	1	---	---	
INL 11.2	---	---	---	---	1	---	---	
INL 11.3	---	---	---	---	1	---	---	
INL 11.4	---	1	---	---	---	---	---	
INL 12.1	---	1	---	---	---	---	---	
INL 12.2	---	1	---	---	---	---	---	
INL 12.3	1	---	---	---	---	---	---	
INL 14.1	---	---	---	1	---	---	---	
INL 14.2	---	---	---	1	---	---	---	
PRJOECT TOTAL	4	10	9	2	6	4	2	

LANDSCAPING ITEMS

STATION TO STATION	LOCATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.2023 EROSION MAT CLASS II TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIX NO. 10 LB	630.0130 SEEDING MIX NO. 30 LB	630.0140 SEEDING MIX NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
CATEGORY 0010												
400+50 - 409+50	W School Rd	2,424	0	0	2,777	0	1.5	0	0	44	33	14
411+00 - 415+20	E School Rd	2,532	0	0	3,015	0	1.6	0	0	46	34	14
104+25 - 113+00	S STH 76 NB	0	2,145	2,065	0	654	1.4	8	27	0	29	12
204+25 - 213+28	S STH 76 SB	0	3,783	4,164	0	943	2.4	17	45	0	51	21
115+00 - 124+00	N STH 76 NB	201	2,250	1,820	0	674	1.5	7	31	4	33	14
215+00 - 224+00	N STH 76 SB	0	1,534	365	393	629	1.0	11	12	0	21	9
UNDISTRIBUTED		1,031	2,009	1,683	1,237	580	1.9	9	24	19	40	17
PROJECT TOTALS		6,188	11,720	10,096	7,421	3,480	11.3	53	140	111	241	100

EROSION CONTROL

STATION TO STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	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	628.7560 TRACKING PAD EACH	628.7570 ROCK BAGS EACH
CATEGORY 0010												
400+50 - 409+50	W School RD	225	225	---	---	---	5	3	20	2	1	---
411+00 - 415+20	E School RD	---	---	---	---	---	4	---	---	---	1	---
204+25 - 113+00	S STH 76 NB	80	80	---	---	---	2	1	20	---	1	20
104+25 - 213+25	S STH 76 SB	40	40	---	---	---	---	2	30	15	---	10
ST H 76 & School RD RAB	RAB	---	---	---	---	---	---	2	---	---	---	---
115+00 - 124+00	N STH 76 NB	40	40	---	---	---	2	---	30	---	1	10
215+00 - 224+00	N STH 76 SB	40	40	---	---	3	8	---	20	---	---	10
Undistributed		85	85	4	2	---	---	---	24	3	---	10
PROJECT TOTAL		510	510	4	2	3	21	8	144	20	4	60

ROUNDABOUT LANDSCAPING ITEMS

STATION TO STATION	LOCATION	632.0201 SHRUBS (SPECIES) (SIZE) (ROOT) 01. BLACKHAW VIBURNUM, 18-24" HT, CG3 EACH	632.0201 SHRUBS (SPECIES) (SIZE) (ROOT) 02. SEA GREEN JUNIPER, 18-24" HT, CG3 EACH	632.9101 LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH	SPV.0035.01 PLANTING MIXTURE CY	SPV.0060.09 PERENNIALS, BLACK-EYED SYSAN, GOLDSTRUM EACH	SPV.0060.10 PERENNIALS, PURPLE CONEFLOWER, PIXIE MEADOWBRITE EACH	SPV.0180.01 SHREDDED HARDWOOD BARK MULCH SY
CATEGORY 0010								
50+00 - 213+28	ROUNDABOUT	2	7	8	103	150	55	332
PROJECT TOTALS		2	7	8	103	150	55	332

MAINTENANCE AND REPAIR OF HAUL ROADS

LOCATION	618.0100 EACH
PROJECT 6430-20-71 CATEGORY 0010	
6430-20-71	1
PROJECT TOTALS	1

MOBILIZATION

LOCATION	619.1000 EACH
PROJECT 6430-20-71 CATEGORY 0010	
6430-20-71	1
PROJECT TOTALS	1

TRAFFIC CONTROL PROJECT

LOCATION	643.5000 EACH
PROJECT 6430-20-71 CATEGORY 0010	
6430-20-71	1
PROJECT TOTALS	1

TRAFFIC CONTROL

LOCATION	APPROX. SERVICE DAYS	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III		* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		* 643.0900 TRAFFIC CONTROL SIGNS		* 643.1050 TRAFFIC CONTROL SIGNS PCMS	
		NO IN SERVICE	DAYS	NO IN SERVICE	DAYS	NO IN SERVICE	DAYS	NO IN SERVICE	DAYS
PROJECT 6430-20-71 CATEGORY 0010									
STH 76 (MUNICIPAL DR) SOUTH OF RAB	105	8	840	12	1,260	7	735	1	7
STH 76 (MUNICIPAL DR) NORTH OF RAB	105	13	1,365	18	1,890	8	840	1	7
SCHOOL RD EAST OF RAB	105	2	210	4	420	4	420	0	0
SCHOOL RD WEST OF RAB	105	9	945	11	1,155	7	735	0	0
UNDISTRIBUTED			0		0		0		
PROJECT TOTALS			3,360		4,725		2,730		14

NOTE: PCMS TO BE INSTALLED 7 DAYS IN ADVANCE OF CONSTRUCTION AND 7 DAYS IN ADVANCE OF ROAD CLOSURES.
* ADDITIONAL QUANTITIES LOCATED IN THE TRAFFIC CONTROL DETOUR SIGN SUMMARY TABLES

TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMODATION

LOCATION	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1440 TEMPORARY PEDESTRIAN SURFACE MATTING SF	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	643.3305 TEMPORARY MARKING CROSSWALK PAINT 6-INCH LF
PROJECT 6430-20-71 CATEGORY 0010					
PEDESTRIAN STAGE 1	220	---	---	140	---
PEDESTRIAN STAGE 2	240	405	20	617	---
PEDESTRIAN STAGE 3	630	---	---	77	68
UNDISTRIBUTED	---	---	---	---	104
PROJECT TOTALS	1090	405	20	834	172

MARKING

STATION TO STATION	LOCATION	646.9000 REMOVAL LINE 4-INCH LF	646.1020 LINE EPOXY 4-INCH (YELLOW) LF	646.1020 LINE EPOXY 4-INCH (WHITE) LF	646.2020 LINE EPOXY 6-INCH (YELLOW) LF	646.2020 LINE EPOXY 6-INCH (WHITE) LF	646.3020 LINE EPOXY 8-INCH (WHITE) LF	646.4020 LINE EPOXY 10-INCH (WHITE) LF	646.5020 ARROW EPOXY (TYPE 2) (WHITE) EACH	646.5020 ARROW EPOXY (TYPE 3R) (WHITE) EACH	646.5120 WORD EPOXY (ONLY) EA	646.6320 DOTTED EXTENSION EPOXY 18-INCH (WHITE) LF	646.7120 DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) LF	646.8120 CURB EPOXY (YELLOW) LF	646.8220 ISLAND NOSE EPOXY (YELLOW) EACH
PROJECT 6430-20-71	CATEGORY 0010															
104+31 - 113+27	STH 76	0	--	--	1,779	1,655	--	--	--	--	--	57	48	66	10	1
214+77 - 223+96	STH 76	0	--	--	1,918	1,549	--	133	1	1	1	108	77	98	10	1
297+52 - 309+53	SCHOOL RD	948	2,391	1,894	--	--	200	--	2	--	--	56	291	135	10	1
310+97 - 318+16	SCHOOL RD	0	1,090	593	--	--	--	--	--	--	--	56	22	67	10	1
	PROJECT SUBTOTALS		3,481	2,487	3,697	3,204	200	133	3	1	1	277	437	366	40	4
	PROJECT TOTALS	948	5,968		6,901		200	133	4		1	277	437	366	40	4

MARKERS CULVERT END

AEW NUMBER	LOCATION	633.5200 MARKERS CULVERT END EACH
CATEGORY 0010		
AEW 1.0	STA: 221+66 LT	1
AEW 7.0	STA: 117+99 RT	1
AEW 8.0	STA: 52+91 RT	1
AEW 10.0	STA: 111+60 RT	1
AEW 11.0	STA: 309+00 RT	1
AEW 12.0	STA: 307+38 RT	1
AEW 12.4	STA: 406+04 LT	1
AEW 14.0	STA: 109+53 RT	1
AEW 14.3	STA: 209+55 LT	1
AEW 16.0	STA: 109+48 RT	1
AEW 17.0	STA:209+49 LT	1
	PROJECT TOTAL	11

CONSTRUCTION STAKING

STATION TO STATION	ROADWAY	650.4000 STORM SEWER EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.9000 CURB RAMPS EACH	650.9920 SLOPE STAKES LF	650.9500 CONSTRUCTION STAKING SIDEWALK PROJECT 6430-20-71 EACH
CATEGORY 0010								
104+30 - 114+00	STH 76 (NB&SB)	10	1,859	1,859	1,337	4	1,859	---
	RAB	3	354	354	727	---	0	---
114+00 - 123+93	STH 76 (NB&SB)	18	1,899	1,899	2,282	6	1,899	---
301+56 - 309+50	SCHOOL RD (EB&WB)	13	1,785	1,785	2,461	8	1,785	---
311+00 - 315+12	SCHOOL RD (EB&WB)	4	833	833	1,355	4	833	---
	STH 76 & SCHOOL RD	---	---	---	---	---	---	1
	PROJECT TOTALS	48	6,730	6,730	8,162	22	6,376	1

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	634.0812 POSTS TUBULAR STEEL 2X2X12 EACH	REMARKS
1	STH 76, S. OF SCHOOL RD	W14-3	48" X 36"	---	5.56	---	1	---	---	
2	"	W2-6	30" X 30"	---	6.25	---	---	1	---	
3	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH MOUNT BELOW SIGN 2
4	"	R4-7	24" X 36"	6.00	---	---	1	---	---	
5	"	W5-54	18" X 18"	---	2.25	---	---	---	---	MOUNT BELOW SIGN 4
6	"	D1-62	126" X 72"	63.00	---	---	---	3	---	SEE SIGN DETAILS
7	"	R2-1	24" X 30"	5.00	---	1	---	---	---	45 MPH
8	"	J4-1	24" X 36"	6.00	---	---	1	---	---	SEE PLAN SHEET
9	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
10	"	R1-2	36" X 31"	3.88	---	---	---	---	1	
11	"	D1-1	42" X 30"	8.75	---	1	---	---	---	
12	SCHOOL RD, W. OF STH 76	R1-2	36" X 31"	3.88	---	---	1	---	---	
13	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
14	"	D1-1	60" X 18"	7.50	---	2	---	---	---	
15	SCHOOL RD, E. OF STH 76	D1-1	60" X 18"	7.50	---	2	---	---	---	
16	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
17	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
18	CENTRAL ISLAND	R6-1R	54" X 18"	6.75	---	---	2	---	---	
19	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN 18
20	"	R6-1R	54" X 18"	6.75	---	---	2	---	---	
21	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN 20
22	"	R6-1R	54" X 18"	6.75	---	---	2	---	---	
23	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN 22
24	"	R6-1R	54" X 18"	6.75	---	---	2	---	---	
25	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN 24
26	STH 76, N. OF SCHOOL RD	R1-2	36" X 31"	3.88	---	---	1	---	---	
27	"	R1-2	36" X 31"	3.88	---	---	1	---	---	
28	"	D1-1	42" X 30"	8.75	---	1	---	---	---	
29	"	J4-1	24" X 36"	6.00	---	---	1	---	---	SEE PLAN SHEET
30	"	R2-1	24" X 30"	5.00	---	1	---	---	---	45 MPH
31	"	D1-62	126" X 72"	63.00	---	---	---	3	---	SEE SIGN DETAILS
32	"	R4-7	24" X 36"	6.00	---	---	1	---	---	
33	"	W5-54	18" X 18"	---	2.25	---	---	---	---	MOUNT BELOW SIGN 32
34	"	W2-6	30" X 30"	---	6.25	---	---	1	---	
35	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH MOUNT BELOW SIGN 2
36	"	W14-3	48" X 36"	---	5.56	---	1	---	---	
	PAGE SUBTOTALS			290.54	32.62	8	21	8	1	

3

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	634.0812 POSTS TUBULAR STEEL 2X2X12 EACH	REMARKS
37	SCHOOL RD, W. OF STH 76	W11-2	30" X 30"	---	6.25	---	1	---	---	
38	"	W16-9P	24" X 8"	---	1.33	---	---	---	---	MOUNT BELOW SIGN 37
39	"	W2-6	30" X 30"	---	6.25	---	---	1	---	
40	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH MOUNT BELOW SIGN 39
41	"	R2-1	24" X 30"	5.00	---	1	---	---	---	35 MPH
42	"	R4-7	24" X 36"	6.00	---	---	1	---	---	
43	"	W5-54	18" X 18"	---	2.25	---	---	---	---	MOUNT BELOW SIGN 42
44	"	W11-2	30" X 30"	---	6.25	---	1	---	---	
45	"	W16-7L	24" X 8"	---	1.33	---	---	---	---	MOUNT BELOW SIGN 44
46	"	W11-2	30" X 30"	---	6.25	---	1	---	---	
47	"	W16-7L	24" X 8"	---	1.33	---	---	---	---	MOUNT BELOW SIGN 46
48	"	W11-2	30" X 30"	---	6.25	---	1	---	---	
49	"	W16-9P	24" X 8"	---	1.33	---	---	---	---	MOUNT BELOW SIGN 48
50	SCHOOL RD, E. OF STH 76	R4-7	24" 36	0.00	---	1	---	---	---	
51	"	R2-1	24" X 30"	5.00	---	1	---	---	---	25 MPH
52	"	W2-6	30" X 30"	---	6.25	---	---	1	---	
53	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH MOUNT BELOW SIGN 52
54	"	R5-2	24" X 24"	4.00	---	1	---	---	---	
	PAGE SUBTOTALS			20.00	49.58	4	5	2	0	
	PROJECT TOTALS			**310.54**	**82.20**	**12**	**26**	**10**	**1**	

3

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
60	STH 76, S. OF SCHOOL RD	D1-1	1	2
61	"	R2-1	1	1
62	STH 76, N. OF SCHOOL RD	R2-1	1	1
63	"	W14-3	1	1
64	"	D1-1	1	2
65	SCHOOL RD, W. OF STH 76	W3-1	1	1
66	"	W11-2	1	1
67	"	W11-2	1	1
68	"	W11-2	1	1
69	"	W11-2	1	1
70	"	R2-1	1	1
71	"	R1-1	1	1
72	SCHOOL RD, E. OF STH 76	R1-1	1	1
73	"	R5-2	1	1
74	"	R2-1	1	1
75	"	W3-1	1	1
	TOTALS		**16**	**18**

YARD HYDRANT

LOCATION	SPV.0060.05 CORPORATION, CURB STOP AND BOX (SET) EACH	SPV.0060.06 YARD HYDRANT EACH	SPV.0090.03 WATER SERVICE 1-INCH LF
CATEGORY 0020			
STH 76 & SCHOOL RD	1	1	22
PROJECT TOTALS	1	1	22

ADJUSTING WATER VALVE

STATION	OFFSET	DIR	LOCATION	SPV.0060.01 ADJUSTING WATER VALVE BOX EACH
CATEGORY 0020				
308+14	18.4 RT	EB	W School Rd	1
311+72	4.4 LT	EB	E School Rd	1
311+81	6.7 LT	EB	E school Rd	1
			CATEGORY TOTAL	3
			PROJECT TOTAL	3

ADJUSTING MANHOLE COVERS

STATION	OFFSET	DIR	LOCATION	SPV.0060.02 ADJUSTING SANITARY MANHOLE EACH	SPV.0060.03 RECONSTRUCTING SANITARY MANHOLE EACH
CATEGORY 0020					
308+53	8.0 LT	EB	W School Rd	---	1
51+76	41 RT	RAB	STH 76 & School Rd RAB	---	1
119+04	3.0 RT	NB	N STH 76	1	---
412+67	20.6 LT	WB	E School Rd	---	1
415+00	20.7 LT	WB	E School Rd	1	---
			CATEGORY TOTAL	2	3
			PROJECT TOTAL	2	3

MINI STORM SEWER

STATION TO STATION	DIR	ROADWAY	SPV.0090.01 MINI STORM LATERAL 4-INCH LF	SPV.0090.02 MINI STORM TRUNK 6-INCH LF	SPV.0060.04 MINI STORM SEWER CLEANOUTS EACH	COMMENTS
CATEGORY 0020						
412+73 - 413+70	WB	E School Rd	32	107	2	Cleanouts Maintain 1' Clear Space from Sidewalk
312+84 - 313+65	EB	E School Rd	49	87	2	
314+12	EB	E School Rd	54	---	---	
414+61	WB	E School Rd	47	---	---	
314+59	EB	E School Rd	49	---	---	
415+06	WB	E School Rd	44	---	---	
		CATEGORY TOTALS	275	194	4	
		PROJECT TOTALS	275	194	4	

3

Conduit Rigid Nonmetallic Schedule 40		
LOCATION		652.0225
L44-2057 (STH 76 & School Road)		2-Inch
FROM	TO	LF
CB1	PB1	35
PB1	LB1	25
LB1	LB13	210
LB13	LB14	235
PB1	PB2	50
PB2	LB2	5
PB2	PB3	45
PB3	LB3	20
PB3	PB4	85
PB4	LB4	30
LB4	LB15	140
LB15	LB16	140
PB4	PB5	45
PB5	LB5	15
PB5	PB6	35
PB6	LB6	15
PB6	PB7	95
PB7	LB7	5
LB7	LB17	175
LB17	LB18	180
LB18	LB19	200
PB7	PB8	60
PB8	LB8	5
PB8	PB9	50
PB9	LB9	15
PB9	PB10	75
PB10	LB10	25
LB10	LB20	205
PB10	PB11	30
PB11	LB11	5
PB11	PB12	40
PB12	LB12	25
PB12	CB1	40
	TOTAL	2,360

Pull Boxes, Non-Conductive				
LOCATION				Non-Conductive
L44-2057 (STH 76 & School Road)				653.0164
				24x42-Inch
				EACH
		STATION	OFFSET	
	PB1	310+76.64EB	72.93	1
	PB2	310+25.40EB	83.88	1
	PB3	309+80.38EB	80.32	1
	PB4	309+24.22EB	27.11	1
	PB5	309+23.32EB	-20.77	1
	PB6	409+30.69WB	-27.55	1
	PB7	409+67.76WB	-100.95	1
	PB8	410+30.69WB	-86.93	1
	PB9	410+85.48WB	-79.47	1
	PB10	411+33.07WB	-26.91	1
	PB11	311+45.14EB	-14.00	1
	PB12	311+29.25EB	24.55	1
TOTALS				12

Concrete Bases					
LOCATION					654.0220
L44-2057 (STH 76 & School Road)				654.0105	Control
				Type 5	Cabinet
					NER Type 10
				EACH	EACH
		Station	Offset		
	CB1	311+00.35EB	57.92		1
	LB1	310+76.50EB	97.47	1	
	LB2	310+24.23EB	80.00	1	
	LB3	309+59.79EB	84.49	1	
	LB4	308+84.32EB	42.16	1	
	LB5	309+12.34EB	-12.39	1	
	LB6	409+23.57WB	-41.84	1	
	LB7	215+30.49SB	-57.87	1	
	LB8	215+11.41SB	12.05	1	
	LB9	215+19.88SB	78.74	1	
	LB10	411+63.84WB	-40.68	1	
	LB11	311+41.01EB	-11.98	1	
	LB12	311+17.77EB	47.03	1	
	LB13	210+57.49SB	41.00	1	
	LB14	208+26.60SB	32.83	1	
	LB15	307+46.05EB	22.28	1	
	LB16	306+12.25EB	28.13	1	
	LB17	217+25.33SB	-27.02	1	
	LB18	219+03.35SB	-25.77	1	
	LB19	220+88.02SB	-24.07	1	
	LB20	413+75.58WB	-23.42	1	
Totals				20	1

Electrical Wire Lighting

			10AWG	12AWG	
LOCATION			***		655.0610
L44-2057 (STH 76 & School Road)			655.0615	655.0610	Equipment
			Ungrounded	Ungrounded	Grounding
(240 VOLT SYSTEM)			Conductor	Conductor	Conductor
			(see Circuit Color)	(Black)/(Red)	(Green)
Circuit	FROM	TO	LF	LF	LF
A	CB1	LB12	206		
(Black)	LB12	Luminaires		100	50
	CB1	LB1	196		
	LB1	Luminaires		100	50
	LB1	LB13	452		
	LB13	Luminaires		100	50
	LB13	LB14	502		
	LB14	Luminaires		100	50
	LB1	LB2	252		
	LB2	Luminaires		100	50
B	CB1	LB3	436		
(Red)	LB3	Luminaires		100	50
	LB3	LB4	362		
	LB4	Luminaires		100	50
	LB4	LB15	312		
	LB15	Luminaires		100	50
	LB15	LB16	312		
	LB16	Luminaires		100	50
	LB4	LB5	272		
	LB5	Luminaires		100	50
C	CB1	LB6	816		
(Blue)	LB6	Luminaires		100	50
	LB6	LB7	322		
	LB7	Luminaires		100	50
	LB7	LB17	382		
	LB17	Luminaires		100	50
	LB17	LB18	392		
	LB18	Luminaires		100	50
	LB18	LB19	432		
	LB19	Luminaires		100	50
D	CB1	LB11	206		
(Brown)	LB11	Luminaires		100	50
	LB11	LB10	232		
	LB10	Luminaires		100	50
	LB10	LB9	372		
	LB9	Luminaires		100	50
	LB9	LB8	232		
	LB8	Luminaires		100	50
	LB10	LB20	442		
	LB20	Luminaires		100	50
		SUB-TOTALS	7,130	2,000	1,000
		TOTAL	7,130	3,000	

*** ADDITIONAL QUANTITIES LOCATED IN ELECTRICAL WITE LIGHTING 10 AWG TABLE

Electrical Wire Lighting 10AWG

		655.0615
LOCATION		Equipment
L44-2057 (STH 76 & School Road)		Grounding
		Conductor
(240 VOLT SYSTEM)		(Green)
FROM	TO	LF
CB1	LB1	98
LB1	LB13	226
LB13	LB14	251
LB1	LB2	126
LB2	LB3	116
LB3	LB4	181
LB4	LB15	156
LB15	LB16	156
LB4	LB5	136
LB5	LB6	111
LB6	LB7	161
LB7	LB17	191
LB17	LB18	196
LB18	LB19	216
LB7	LB8	116
LB8	LB9	116
LB9	LB10	161
LB10	LB20	221
LB10	LB11	106
LB11	LB12	116
LB12	CB1	103
	TOTAL	3,260

*** ADDITIONAL QUANTITIES LOCATED IN ELECTRICAL WIRE LIGHTING TABLE

Electric Service

	656.0201
	Meter Breaker Pedestal
LOCATION	EACH
L44-2057 (STH 76 & School Road)	1

Lighting Summary

	657.0255	657.0322	657.0710	659.1115
	Transformer Bases	Poles	Luminaire Arms	Luminaires
	Breakaway	Type 5	Truss Type	Utility
	11 1/2-Inch	(Aluminum)	4 1/2-Inch Clamp	LED-A
	Bolt Circle		12-FT	
LOCATION	EACH	EACH	EACH	EACH
L44-2057 (STH 76 & School Road)	20	20	20	20

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 105 DAYS	*643.0900 SIGNS DAYS	*643.0420 BARRICADES TYPE III DAYS	*643.0705 WARNING LIGHTS TYPE A DAYS	*643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	STH 96, W. OF STH 76, PLACE 1500' W. OF STH 76 INTERSECTION	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	W 20-2A	48"X48"	1	105	105						
2	STH 96, W. OF STH 76, MODIFY EXISTING J2-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	105	105						
	"	MO 6-1	21"X21"	1	105	105						AHEAD
3	STH 96, W. OF STH 76, COVER EXISTING D1-3 SIGN AS SHOWN									1	1	COVER "GREENVILLE"
4	STH 96, AT STH 76, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	105	105						
	"	MO 6-1	21"X21"	1	105	105						AHEAD
5	STH 76, AT STH 96, PLACE ON RIGHT SHOULDER IN NW QUADRANT OF INTERSECTION	R 11-3	60"X30"	1	105	105	105	210				3/4 MILES AHEAD
	"	M 4-9R	30"X24"	1	105	105						
6	STH 76, AT STH 96, PLACE RIGHT OF EXISTING J3-1 SIGN	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						RIGHT
7	STH 76, S. OF STH 96, COVER EXISTING D1-2 SIGN AS SHOWN									1	1	COVER "SHIOCTON"
8	STH 76, S. OF STH 96, PLACE RIGHT OF EXISTING J2-2 SIGN	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1R	21"X21"	1	105	105						
9	STH 76, S. OF STH 96, PLACE 1/4 MILE S. OF STH 96 INTERSECTION	W 20-2A	48"X48"	1	105	105						
10	STH 96, AT STH 76, COVER EXISTING J3-2 SIGN AS SHOWN									1	1	COVER "NORTH 76 RT"
11	STH 76, N. OF STH 96, COVER EXISTING J4-1 SIGN AS SHOWN									1	1	COVER ENTIRE SIGN
12	STH 96, E. OF STH 76, COVER EXISTING D1-3 SIGN AS SHOWN									1	1	COVER "SHIOCTON"
13	STH 96, E. OF STH 76, COVER EXISTING J2-3 SIGN AS SHOWN									1	1	COVER "NORTH 76 ADV RT"
14	STH 96, E. OF STH 76, MODIFY EXISTING J1-1 SIGN AS SHOWN	MO 4-8A	24"X18"	1	105	105						
15	STH 96, W. OF CTH CB, PLACE 1000' W. OF CTH CB INTERSECTION ON RIGHT SHOULDER	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1L	21"X21"	1	105	105						
16	STH 96, W. OF CTH CB, PLACE 1000' W. OF CTH CB INTERSECTION IN MEDIAN	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1L	21"X21"	1	105	105						
17	STH 96, W. OF CTH CB, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
18	STH 96, W. OF CTH CB, PLACE AT LEFT TURN LANE OPENING IN MEDIAN	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						LEFT
19	STH 96, E. OF CTH CB, PLACE AT RIGHT TURN LANE OPENING ON RIGHT SHOULDER	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						RIGHT
	PAGE SUBTOTALS			38		3,990	105	210	0		6	

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*ADDITIONAL QUANTITIES LOCATED IN THE TRAFFIC CONTROL TABLE

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 105 DAYS	*643.0900 SIGNS DAYS	*643.0420 BARRICADES TYPE III DAYS	*643.0705 WARNING LIGHTS TYPE A DAYS	*643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
20	STH 96, E. OF CTH CB, PLACE 1000' E. OF CTH CB INTERSECTION	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1R	21"X21"	1	105	105						
21	STH 96, E. OF CTH CB, PLACE 1500' E. OF CTH CB INTERSECTION	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	W 20-2A	48"X48"	1	105	105						
21A	STH 96, E. OF CTH CB, PLACE 1500' E. OF CTH CB INTERSECTION	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	W 20-2A	48"X48"	1	105	105						
22	CTH CB, AT STH 96, PLACE RIGHT OF EXISTING J3-2 SIGN	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						RIGHT
23	CTH CB, N. OF STH 96, PLACE RIGHT OF EXISITNG J4-1 SIGN	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
24	CTH CB, N. OF STH 96, PLACE 750' N. OF STH 96 INTERSECTION	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1R	21"X21"	1	105	105						
25	CTH CB, S. OF STH 15, PLACE 750' S. OF STH 15 INTERSECTION	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1L	21"X21"	1	105	105						
26	CTH CB, S. OF STH 15, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
27	CTH CB, S. OF STH 15, PLACE IN FRONT OF SIGN CANTILEVER IN MEDIAN	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						LEFT
28	STH 15, E. OF CTH CB, PLACE 1/4 MILE E. OF CTH CB INTERSECTION ON RIGHT SHOULDER	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	W 20-2A	48"X48"	1	105	105						
28A	STH 15, E. OF CTH CB, PLACE 1/4 MILE E. OF CTH CB INTERSECTION IN MEDIAN	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	W 20-2A	48"X48"	1	105	105						
29	STH 15, E. OF CTH CB, PLACE 750' E. OF CTH CB INTERSECTION ON RIGHT SHOULDER	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1L	21"X21"	1	105	105						
	PAGE SUBTOTALS			42		4,410	0	0	0		0	

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*ADDITIONAL QUANTITIES LOCATED IN THE TRAFFIC CONTROL TABLE

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 105 DAYS	*643.0900 SIGNS DAYS	*643.0420 BARRICADES TYPE III DAYS	*643.0705 WARNING LIGHTS TYPE A DAYS	*643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
29A	STH 15, E. OF CTH CB, PLACE 750' E. OF CTH CB INTERSECTION IN MEDIAN	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1L	21"X21"	1	105	105						
30	STH 15, E. OF CTH CB, PLACE IN FRONT OF SIGN BRIDGE IN MEDIAN	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						LEFT
31	STH 15, W. OF CTH CB, PLACE IN FRONT OF SIGN BRIDGE ON RIGHT SHOULDER	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						RIGHT
32	STH 15, W. OF CTH CB, PLACE 750' W. OF CTH CB INTERSECTION	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1R	21"X21"	1	105	105						
33	STH 15, W. OF CTH CB, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	105	105						
	"	M 3-1	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						
34	STH 15, E. OF STH 76, MODIFY EXISTING J1-1 SIGN AS SHOWN	MO 4-8A	24"X18"	1	105	105						
35	STH 15, E. OF STH 76, COVER EXISTING D1-4 SIGN AS SHOWN									1	1	COVER "OSHKOSH"
36	STH 15, E. OF STH 76, COVER EXISTING J3-2 SIGN AS SHOWN									1	1	COVER "SOUTH 76 LT"
37	STH 15, E. OF STH 76, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
38	STH 76, N. OF STH 15, PLACE 1/4 MILE N. OF STH 15 INTERSECTION	W 20-2A	48"X48"	1	105	105						
39	STH 76, N. OF STH 15, PLACE 750' N. OF STH 15 INTERSECTION	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 5-1L	21"X21"	1	105	105						
40	STH 76, N. OF STH 15, PLACE RIGHT OF EXISITNG J3-2 SIGN N. OF STH 15 INTERSECTION	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						LEFT
41	STH 15, W. OF STH 76, PLACE 1/4 MILE W. OF STH 76 INTERSECTION IN MEDIAN	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	W 20-2A	48"X48"	1	105	105						
42	STH 15, W. OF STH 76, PLACE 1/4 MILE W. OF STH 76 INTERSECTION ON RIGHT SHOULDER	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						
	"	W 20-2A	48"X48"	1	105	105						
43	STH 15, W. OF STH 76, PLACE ACROSS FROM SIGN #44 IN MEDIAN	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						AHEAD
	PAGE SUBTOTALS			42		4,410	0	0	0		2	

3

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*ADDITIONAL QUANTITIES LOCATED IN THE TRAFFIC CONTROL TABLE

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 105 DAYS	*643.0900 SIGNS DAYS	*643.0420 BARRICADES TYPE III DAYS	*643.0705 WARNING LIGHTS TYPE A DAYS	*643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
44	STH 15, W. OF STH 76, MODIFY EXISTING J2-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	105	105						
	"	MO 6-1	21"X21"	1	105	105						AHEAD
45	STH 15, W. OF STH 76, COVER EXISTING D1-3 SIGN AS SHOWN									1	1	COVER "OSHKOSH"
46	STH 15, W. OF STH 76, PLACE ACROSS FROM SIGN #47 IN MEDIAN	MO 4-8	24"X12"	1	105	105						
	"	M 3-3	24"X12"	1	105	105						
	"	M 1-6	24"X24"	1	105	105						76
	"	MO 6-1	21"X21"	1	105	105						AHEAD
47	STH 15, W. OF STH 76, MODIFY EXISTING J3-2 SIGN AS SHOWN	MO 4-8	24"X12"	1	105	105						
	"	MO 6-1	21"X21"	1	105	105						AHEAD
48	STH 76, PLACE ON RIGHT SHOULDER IN SW QUADRANT OF INTERSECTION	R 11-3	60"X30"	1	105	105	105	210				3/4 MILES AHEAD
	"	M 4-9L	30"X24"	1	105	105						
49	STH 76, S. OF STH 15, COVER EXISTING J4-1 SIGN AS SHOWN									1	1	COVER ENTIRE SIGN
50	STH 76, N. OF SCHOOL RD, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1					7			PLACE PRIOR TO CLOSURE
51	STH 76, S. OF SCHOOL RD, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1					7			PLACE PRIOR TO CLOSURE
	PAGE SUBTOTALS			12		1,050	105	210	14		2	
	PROJECT TOTALS			**134**		**13,860**	**210**	**420**	**14**		**10**	

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*ADDITIONAL QUANTITIES LOCATED IN THE TRAFFIC CONTROL TABLE

TRANSPORTATION PROJECT PLAT NO: 6430-20-21-4.01

PART OF LOT 1 OF CERTIFIED SURVEY MAP 1231, AS DOCUMENT NUMBER 1034565, AND PART OF OUTLOT 4 OF FOX HIGHLANDS, SUBDIVISION PLAT AS DOCUMENT NUMBER 2104711, LOCATED IN AND INCLUDING PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, ALL WITHIN SECTION 15, T21N-R16E, VILLAGE OF GREENVILLE, OUTAGAMIE COUNTY, WISCONSIN.

RELOCATION ORDER STH 76
STH 96 - STH 15 SCHOOL ROAD INTERSECTION, OUTAGAMIE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE 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.

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE, AND OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) (TYPE)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMP. LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
BUILDING (TO BE REMOVED)
BRIDGE

PARCEL NUMBER 25
SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
PARALLEL OFFSETS

UTILITY NUMBER 40
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN (TYPE)
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS

NON-COMPENSABLE / COMPENSABLE

POWER POLE
TELEPHONE POLE
TELEPHONE PEDESTAL
ELECTRIC TOWER

GRAPHIC SCALE, FEET (0, 50, 100)

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.	POINT OF INTERSECTION	PI
EASEMENT	EASE.	POINT NUMBER	PT.#
HIGHWAY EASEMENT	H.E.		
LAND CONTRACT	LC		
MONUMENT	MON.		
PAGE	P.		
PERMANENT LIMITED EASEMENT	PLE		
PROPERTY LINE	PL		
RECORDED AS	(100')		
REFERENCE LINE	R/L		

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST (S) REQUIRED	FEE R/W ACRE(S) OR (S.F.) REQUIRED NEW	EXISTING	TOTAL	T.L.E. AREA
1	WAYNE E. SEMMERLING	FEE & TLE	0.056 AC(s)	-	0.056 AC(s)	0.200 AC(s)
2	VILLAGE OF GREENVILLE	TLE	-	-	-	0.029 AC(s)
3	SCHOOL ROAD AT 76, LLC, AND ETAL	TLE	-	-	-	0.012 AC(s)

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST(S) TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

UTILITY INTEREST REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
100	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
101	AT&T WISCONSIN	RELEASE OF RIGHTS

POINT TABLE

POINT NUMBER	STATION	OFFSET	Y	X
2	496+10.55	41.62'	571,585.870	793,368.870
6	497+52.59	-69.70'	571,728.666	793,258.293
7	497+11.66	-92.13'	571,687.850	793,235.657
8	496+88.56	-118.26'	571,664.887	793,209.401
9	496+60.21	-209.27'	571,637.014	793,118.242
10	496+46.27	-378.17'	571,623.952	792,949.272
11	496+45.52	-406.50'	571,623.350	792,920.943
12	496+53.32	-414.39'	571,631.196	792,913.091
13	503+74.92	-59.76'	572,350.934	793,271.494
14	501+64.92	-59.74'	572,140.936	793,270.414
15	501+25.43	-69.73'	572,101.497	793,260.211
16	501+25.43	-72.73'	572,101.513	793,257.211
17	498+12.56	-72.71'	571,788.648	793,255.601
18	497+24.33	-107.99'	571,700.605	793,219.861
19	497+06.38	-128.30'	571,682.760	793,199.458
20	496+67.15	-254.24'	571,644.191	793,073.315
21	496+57.06	-401.52'	571,634.864	792,925.983
22	496+71.91	-401.60'	571,649.714	792,925.983
23	496+71.92	-449.38'	571,649.975	792,878.200
24	496+53.31	-449.38'	571,631.367	792,878.099
25	496+52.88	-466.69'	571,631.032	792,860.790
26	496+47.88	-466.66'	571,626.031	792,860.790
27	496+46.13	-537.75'	571,624.653	792,789.695
28	496+41.13	-537.63'	571,619.654	792,789.792
52	503+74.91	0.00'	572,350.607	793,331.249
53	503+74.90	41.80'	572,350.377	793,373.047
54	503+74.88	101.90'	572,350.047	793,433.145
55	497+58.38	101.66'	571,733.554	793,429.688
56	497+57.93	74.67'	571,733.245	793,402.692
57	497+29.93	74.66'	571,705.249	793,402.535
58	497+30.05	41.65'	571,705.540	793,369.524
59	495+93.98	-536.45'	571,574.663	792,790.664
69	496+43.04	-460.09'	571,621.157	792,867.342
70	496+45.06	-449.39'	571,623.120	792,878.054
71	496+32.81	-449.39'	571,610.872	792,877.987
72	496+39.42	-414.39'	571,617.300	792,913.018
73	496+49.99	-358.48'	571,627.570	792,968.989
74	501+64.92	-69.74'	572,140.988	793,260.414
75	501+64.92	-54.74'	572,140.911	793,275.414
76	503+74.92	-54.76'	572,350.908	793,276.495
80	496+09.35	0.00'	571,585.063	793,327.237

NOTE(S):

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), OUTAGAMIE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES 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 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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 CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN GREEN BAY.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

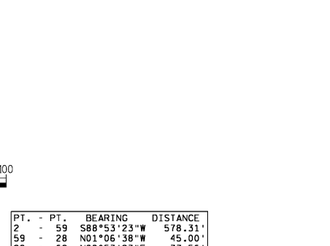
EXISTING RIGHT OF WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 76 AND SCHOOL ROAD: 1146-10-21, CSM#1231, FOX HIGHLANDS SUB, & FAWN RIDGE ESTATES.

EXISTING ACCESS CONTROL SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 76: 1146-10-21, FOX HIGHLANDS SUB.

PT. - PT.	BEARING	DISTANCE
2 - 59	S88°53'23"W	578.31'
59 - 28	N01°06'38"W	45.00'
28 - 69	N88°53'23"E	77.56'
69 - 70	N79°36'37"E	10.89'
70 - 71	S00°18'47"W	12.25'
71 - 72	N79°36'09"E	35.62'
72 - 12	N00°18'07"E	13.90'
12 - 11	S45°01'16"E	11.10'
11 - 10	N88°46'54"E	28.34'
10 - 73	N79°36'09"E	20.04'
73 - 9	N86°22'46"E	149.55'
9 - 8	N72°59'55"E	95.33'
8 - 7	N48°49'38"E	34.88'
7 - 6	N29°00'43"E	46.67'
6 - 74	N00°17'41"E	412.33'
74 - 75	S89°42'18"E	15.00'
75 - 76	N00°17'41"E	210.00'
76 - 52	S89°41'06"E	54.76'
52 - 53	S89°41'06"E	41.80'
53 - 54	S89°41'06"E	60.10'
54 - 55	S00°19'17"W	616.50'
55 - 56	S89°20'41"W	27.00'
56 - 57	S00°19'17"W	28.00'
57 - 58	N89°29'38"W	33.01'
58 - 2	S00°18'47"W	119.68'

R/W REFERENCE LINE COURSE TABLE

STATION	Y	X	DIRECTION	DISTANCE
BP480+00.00	569975.779	793312.318		
			N00°31'52"E	1611.78'
PI496+11.79	571587.495	793327.260	DELTA=00°13'54" RT	
			N00°17'58"E	1888.21'
EP515+00.00	573475.684	793337.131		



LOCATION SKETCH
NOT TO SCALE

WISCONSIN DEPARTMENT OF TRANSPORTATION

I, GREGORY T. BELANGER 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 6430-20-21-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 10-26-2021
PRINT NAME: GREGORY T. BELANGER
REGISTRATION NUMBER: S-3055
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: _____ DATE: 10-26-2021
PRINT NAME: CURT VAN EREM

WISCONSIN LAND SURVEYOR — GREGORY T. BELANGER S-3055 GREEN BAY WI

APPRAISAL DATE: 10-26-2021

Document #: 2252087
Date: 10-26-2021 Time: 12:23 PM
Pages: 1 Fee: $25.00
County: OUTAGAMIE COUNTY State: WI

SARAH R VAN CAMP, REGISTER OF DEEDS
This document has been electronically recorded
Return to:
WisDOT - NE Region - Green Bay - PO# 39500-00000

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6430-20-21-4.01
AMENDMENT NO:___

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE, AND OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMP. LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
BUILDING (TO BE REMOVED)
BRIDGE

PARCEL NUMBER (25)
SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
UTILITY NUMBER (40)
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS

	NON-COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.		
HIGHWAY EASEMENT	H.E.		
LAND CONTRACT	LC		
MONUMENT	MON.		
PAGE	P.		
PERMANENT LIMITED EASEMENT	PLE		
PROPERTY LINE	PL		
RECORDED AS	(100')		
REFERENCE LINE	R/L		

NOTE(S):

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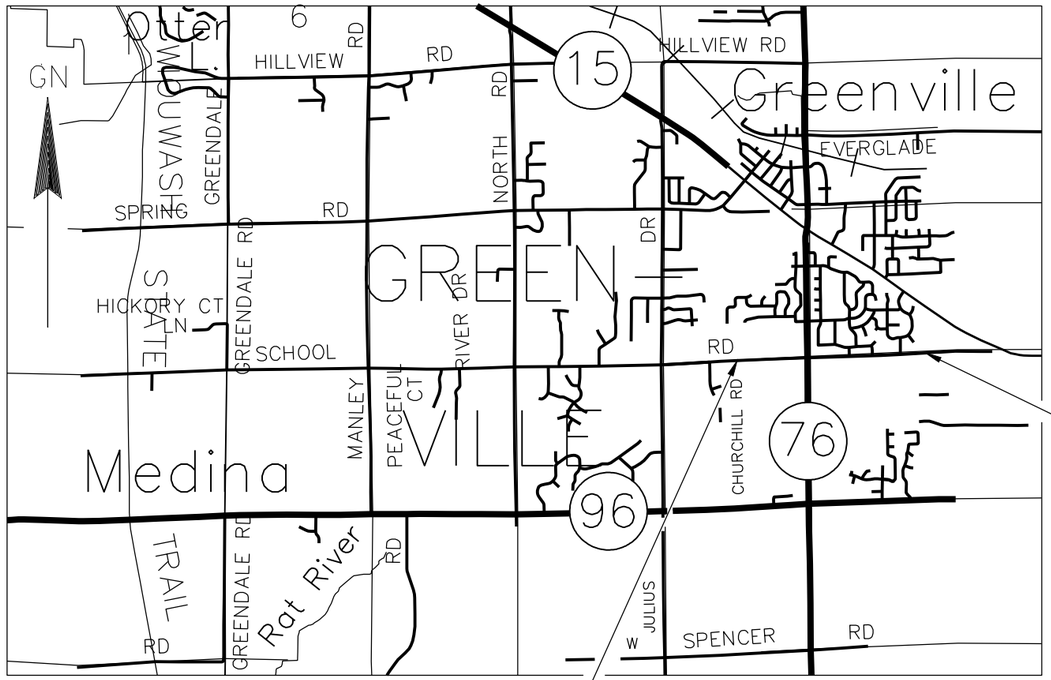
PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

EXISTING RIGHT OF WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 76 AND SCHOOL ROAD: 1146-10-21, CSM#1231, CSM#5892, CSM#7575, CSM#2041, CSM#2040, FOX HIGHLANDS SUB, & FAWN RIDGE ESTATES.

EXISTING ACCESS CONTROL SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 76: 1146-10-21, FOX HIGHLANDS SUB. & FAWN RIDGE ESTATES.



END RELOCATION ORDER
PROJECT 6430-20-21
STATION 42+99.94

BEGIN RELOCATION ORDER
PROJECT 6430-20-21
STATION 10+00.00

LAYOUT
0 1.0 MI.
SCALE

TOTAL NET LENGTH OF CENTERLINE = 1.00 MI.

GN

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6430-20-21		
FEDERAL PROJECT NUMBER	4.01	4

PLAT OF RIGHT OF WAY REQUIRED FOR
STH 96 - STH 15
SCHOOL ROAD INTERSECTION

STH 76 OUTAGAMIE COUNTY

4

REVISION DATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED:
DATE: 11-1-2021 Curt Van Eem
CURT VAN EEM

WISDOT/CADDS SHEET 100

VILLAGE

FOX HIGHLANDS

SE 1/4 - SE 1/4

OUTLOT 4
FOX HIGHLANDS
DOC. #2104711

LOT 1
CSM#1231
VOL.7 PGS. 1231
DOC. #1034565

2
MAG NAIL W/WASHER
Y=574241.570
X=793383.380

T 21 N
R 16 E
15 14
22 23

SCHOOL ROAD

45.00'

33.00'

N88° 53' 23"E 2670.50' S/L

SE-SE

NE-NE

PT.#1 TO PT.61 1633.15'

PT.#61 TO PT.60 650.77'

PT.#60 TO PT.#2 386.58'

POST

61 60 29 30 101 31 32 4 33 77 78 34 35 36 37

T 21 N
R 16 E
15 22

1
RR SPIKE
Y=571534.120
X=790698.870

EASEMENT-within r/w now
WIS. BELL. INC. d/b/a
AMERITECH OF WIS.
J.17155 PG.42
DOC.#1164084

OF

LOT 1
CSM#5892
VOL.34 PGS. 5892
DOC. #1812974

TAX ID#110080400

STORMWATER FACILITIES-BLANKET
MAINTENANCE AGREEMENT
TOWN OF GREENVILLE
DOC.#2064109 &
DOC.#2171819

NE 1/4 - NE 1/4

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
101	AT&T WISCONSIN	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE R/W ACRE(S) OR (S.F.) REQUIRED			T.L.E. AREA
			NEW	EXISTING	TOTAL	
4	YOUNG MEN'S CHRISTIAN ASSOC. OF THE FOX CITIES, INC.	TLE	-	-	-	5017 sq. ft. 0.115 AC(S)

GN

GREENVILLE

REVISION DATE	DATE: 11-1-2021	0 30 60 GRAPHIC SCALE, FEET	HWY: STH 76	STATE R/W PROJECT NUMBER 6430-20-21	PLAT SHEET NO: 4.02	
			COUNTY: OUTAGAMIE	CONSTRUCTION PROJECT NUMBER _____	PS&E SHEET NO: 109	E

VILLAGE

3
1" IP
Y=571585.870
X=793368.870

2
MAG NAIL W/WASHER
Y=574241.570
X=793383.380

4
HARRISON MON.
Y=568963.010
X=793344.780

5
RR SPIKE
Y=571616.140
X=796015.000

T 21 N R 15 E 16 — 15 14 — 22 23

T 15 N R 21 E 16 — 22 23

T 21 N R 14 E 16 — 14 23

GN

FAWN RIDGE ESTATES

SW 1/4 - SW 1/4

OUTLOT 1
FAWN RIDGE ESTATES

TAX ID*110188200

LOT 1
CSM*2040
VOL.11 PGS. 2040
DOC. #1137960

LOT 2
CSM*2040
VOL.11 PGS. 2040
DOC. #1137960

EASEMENT TELEPHONE-BLANKET
WIS. TELEPHONE COM.
VOL.456 PG.211
DOC.*474514 (PAR. 6 & 7)

EASEMENT BURIED CABLES
WIS. BELL, INC.
J.6945 PG.1
DOC.*900030 (PAR. 6 & 7)

UTILITY EASEMENT PER FAWN RIDGE ESTATES

TLE "D" FOR SLOPING
0.020 ACRE(S)
881 sq. ft.

TLE "E" FOR SLOPING
0.016 ACRE(S)
689 sq. ft.

EASEMENT
WIS. BELL, INC. d/b/a
AMERITECH OF WIS.
J.17225 PG.32
DOC.*1165680

EASEMENT
WIS. BELL, INC. d/b/a
AMERITECH OF WIS.
J.17165 PG.40
DOC.*1164083

TAX ID*110054700

TAX ID*110187300

TAX ID*110187200

PI: 26+00.00

PI: 31+62.87

N89° 20' 41"E 2646.30' S/L

SW-SW

NW-NW

SCHOOL ROAD

66.00'

25+00

30+00

UTILITY EASEMENT PER FAIRWINDS SOUTH SUB.

TLE "F" FOR SLOPING

TAX ID*1101824001

TAX ID*110182500

TAX ID*110182600

LOT 1
CSM*2041
VOL.11 PGS. 2041
DOC. #1137961

LOT 2
CSM*2041
VOL.11 PGS. 2041
DOC. #1137961

LOT 3
CSM*2041
VOL.11 PGS. 2041
DOC. #1137961

LOT 4
CSM*2041
VOL.11 PGS. 2041
DOC. #1137961

FAIRWINDS SOUTH

STH 76

TLE "G" FOR SLOPING

TAX ID*111083600

LOT 2
CSM*7575
VOL.46 PGS. 7575
DOC. #2139431

NW 1/4 - NW 1/4

GREENVILLE

EASEMENT TELEPHONE-BLANKET
WIS. TELEPHONE COM.
VOL.456 PG.215
DOC.*474516 (PAR. 8 & 9)

EASEMENT TELEPHONE-BLANKET
WIS. TELEPHONE COM.,
THE AMERICAN TELEPHONE. &
TELEGRAPH COMPANY
VOL.222 PG.123
DOC.*245494
*ASSIGNMENT
WISCONSIN TELEPHONE COM.
J.1426 1.27
DOC.*762735 (PAR. 8 & 9)

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
101	AT&T WISCONSIN	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE R/W ACRE(S) OR (S.F.) REQUIRED			T.L.E. AREA
			NEW	EXISTING	TOTAL	
5	COLETON MILLER	TLE	-	-	-	0.036 AC(s) 1570 sq.ft.
6	RICHARD M. VANDENLANGENBERG & CAROL C. VANDENLANGENBERG	TLE	-	-	-	0.014 AC(s) 621 sq.ft.
7	JOSEPH J. MUTHIG & AMANDA MUTHIG	TLE	-	-	-	0.005 AC(s) 213 sq.ft.
8	LEROY ERWIN LOHIFF, LIVING TRUST 04/02/1993	TLE	-	-	-	0.023 AC(s) 1025 sq.ft.
9	RUSSELL J. REYNARD & BARBARA J. REYNARD	TLE	-	-	-	0.014 AC(s) 603 sq.ft.
10	BREYER LIMITED PARTNERSHIP 1	TLE	-	-	-	0.019 AC(s) 823 sq.ft.

REVISION DATE

DATE: 11-1-2021

0 30 60
GRAPHIC SCALE, FEET

HWY: STH 76

COUNTY: OUTAGAMIE

STATE R/W PROJECT NUMBER 6430-20-21

CONSTRUCTION PROJECT NUMBER

PLAT SHEET NO: 4.03

PS&E SHEET NO: 110

E

Point Table 4.02

Point Number	Station	Offset	Y	X
1	OUT OF	RANGE	571,534.120	790,698.870
2	26+41.70	-2.15'	571,585.870	793,368.870
29	16+04.58	34.45'	571,532.782	792,332.585
30	16+04.58	39.45'	571,527.783	792,332.681
31	19+02.28	39.33'	571,533.548	792,630.133
32	19+02.30	44.33'	571,528.549	792,630.230
33	20+68.13	43.52'	571,531.763	792,796.024
34	21+93.99	69.20'	571,507.901	792,922.251
35	22+24.54	77.57'	571,499.973	792,952.913
36	22+54.13	88.85'	571,489.119	792,982.659
37	22+56.13	84.27'	571,493.727	792,984.599
60	22+55.12	-0.40'	571,578.379	792,982.361
61	16+04.34	1.45'	571,565.768	792,331.713
77	21+41.93	33.15'	571,543.192	792,869.671
78	21+37.95	52.66'	571,523.628	792,865.972

Point Table 4.03

Point Number	Station	Offset	Y	X
2	26+41.70	-2.15'	571,585.870	793,368.870
3	27+04.26	-2,657.16'	574,241.570	793,383.380
4	25+79.71	2,619.93'	568,963.010	793,344.780
5	OUT OF	RANGE	571,616.140	796,015.000
38	26+65.49	335.65'	571,248.554	793,398.767
39	26+70.49	335.74'	571,248.554	793,403.770
40	26+74.98	171.07'	571,413.275	793,405.278
41	27+30.45	62.34'	571,522.992	793,458.771
42	29+42.37	63.43'	571,525.730	793,670.671
43	30+65.22	48.36'	571,543.022	793,793.234
44	30+64.63	43.52'	571,547.850	793,792.553
45	30+63.82	-40.05'	571,631.392	793,790.235
46	30+64.33	-45.01'	571,636.369	793,790.654
47	29+42.75	-57.43'	571,646.585	793,668.865
48	27+60.57	-67.76'	571,653.617	793,486.533
49	27+60.29	-62.77'	571,648.620	793,486.340
50	26+96.78	-88.09'	571,672.790	793,422.382
51	26+98.19	-148.76'	571,733.474	793,422.693
56	26+78.19	-148.89'	571,733.245	793,402.692
57	26+77.52	-120.90'	571,705.249	793,402.535
62	26+45.16	-148.93'	571,732.688	793,369.672
63	26+36.98	170.82'	571,412.839	793,367.281
64	27+33.19	-1.55'	571,586.916	793,460.351
65	27+59.96	-1.37'	571,587.222	793,487.121
66	27+32.84	57.48'	571,527.895	793,461.067
67	29+42.08	58.56'	571,530.597	793,670.301
68	29+42.66	-52.42'	571,641.570	793,668.865
79	26+69.99	171.04'	571,413.216	793,400.282

COURSE TABLE 4.02

PT. - PT.	BEARING	DISTANCE
2 - 60	S88°53'23"W	386.58'
60 - 37	S01°30'51"E	84.68'
37 - 36	S22°49'21"W	5.00'
36 - 35	N69°57'10"W	31.66'
35 - 34	N75°30'13"W	31.66'
34 - 33	N79°17'42"W	128.47'
33 - 32	S88°53'23"W	165.82'
32 - 31	N01°06'37"W	5.00'
31 - 30	S88°53'23"W	297.51'
30 - 29	N01°06'37"W	5.00'
29 - 61	N01°30'51"W	33.00'
61 - 60	N88°53'23"E	650.77'

COURSE 4.03 PAR. 5

PT. - PT.	BEARING	DISTANCE
2 - 62	N00°18'47"E	146.82'
62 - 56	N89°01'58"E	33.02'
56 - 51	N89°20'41"E	20.00'
51 - 50	S00°17'38"W	60.68'
50 - 57	N31°26'40"W	38.04'
57 - 56	N00°19'17"E	28.00'

COURSE 4.03 PAR.5,6 & 7

PT. - PT.	BEARING	DISTANCE
2 - 65	N89°20'41"E	118.26'
65 - 49	N00°43'44"W	61.40'
49 - 48	N02°12'31"E	5.00'
48 - 47	S87°47'29"E	182.47'
47 - 46	S85°12'18"E	122.22'
46 - 45	S04°48'06"W	4.99'
45 - 68	N85°12'23"W	121.80'
68 - 49	N87°47'17"W	182.66'

COURSE 4.03 PAR. 8 & 9

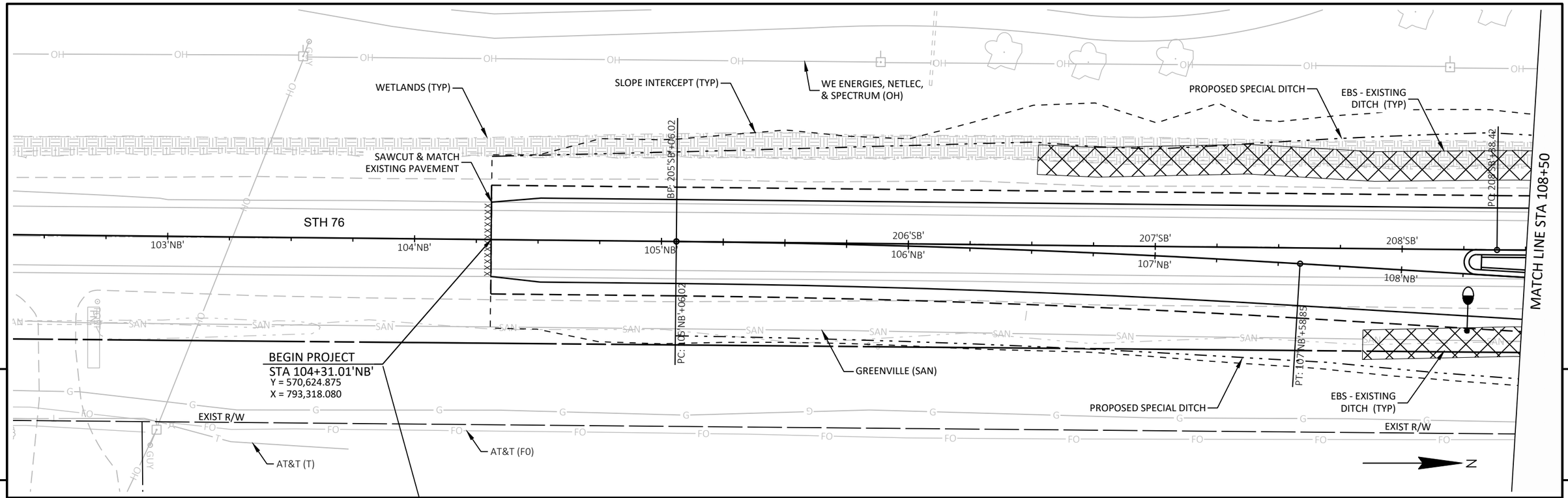
PT. - PT.	BEARING	DISTANCE
2 - 64	N89°20'41"E	118.26'
64 - 66	N00°43'44"W	61.40'
66 - 67	N02°12'31"E	5.00'
67 - 44	S87°47'29"E	182.47'
44 - 43	S85°12'18"E	122.22'
43 - 42	S04°48'06"W	4.99'
42 - 41	N85°12'23"W	121.80'
41 - 66	N87°47'17"W	182.66'

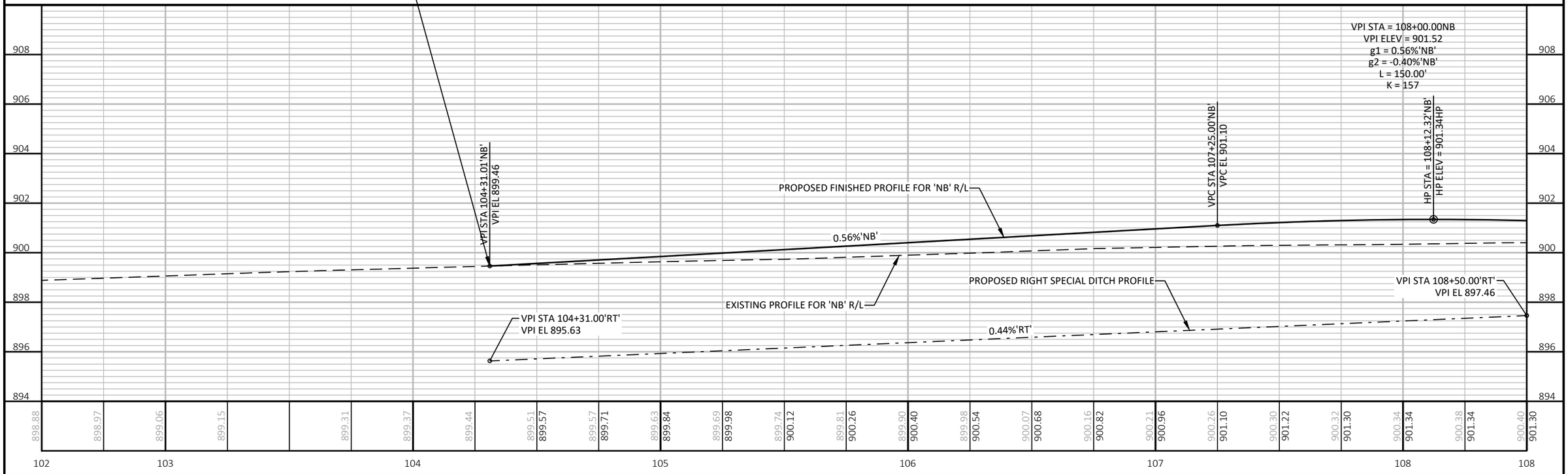
COURSE 4.03 PAR.10

PT. - PT.	BEARING	DISTANCE
2 - 63	S00°31'34"W	173.04'
63 - 79	N89°20'41"E	33.00'
79 - 40	N89°19'32"E	5.00'
40 - 39	S00°31'28"W	164.73'
39 - 38	N90°00'00"W	5.00'
38 - 79	N00°31'35"E	164.67'

R/W REFERENCE LINE SHEETS 4.02-4.03
COURSE TABLE

STATION	Y	X	DIRECTION	DISTANCE
BP10+00.00	571555.542	791727.453		
			N88°53'33"E	881.27'
PI18+81.27	571572.575	792608.558		
			N89°10'19"E	718.73'
PI26+00.00	571582.961	793327.218		
			N88°57'48"E	562.86'
PI31+62.87	571593.144	793889.989		
			N89°25'27"E"	1137.07'
EP42+99.94	571604.572	795027.001		



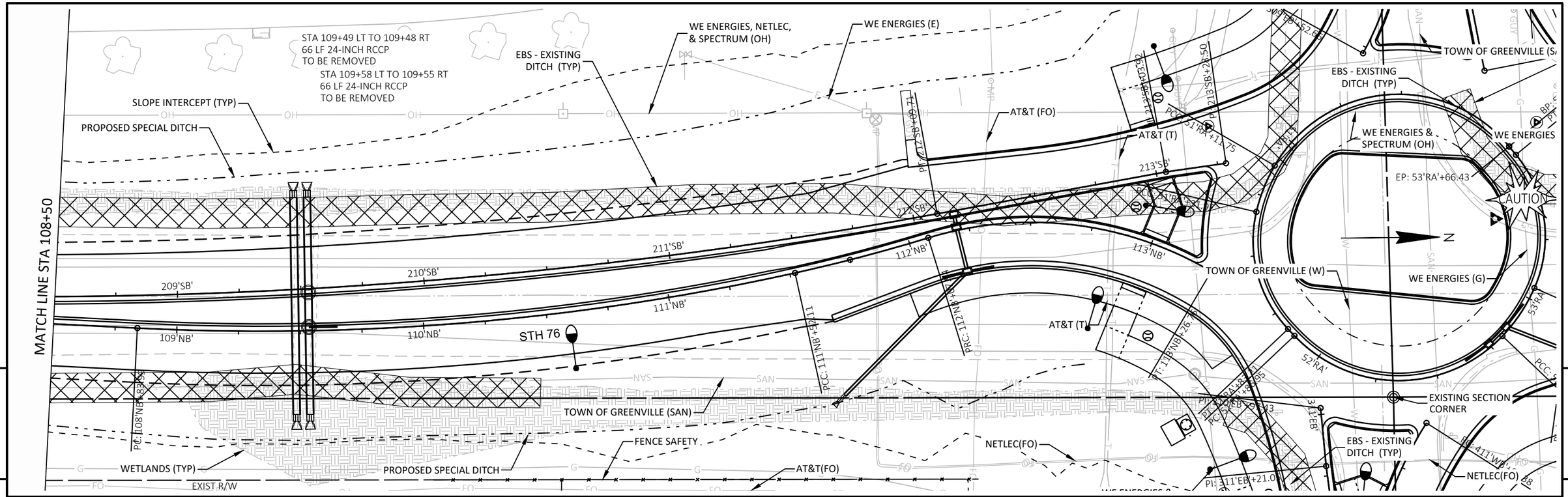


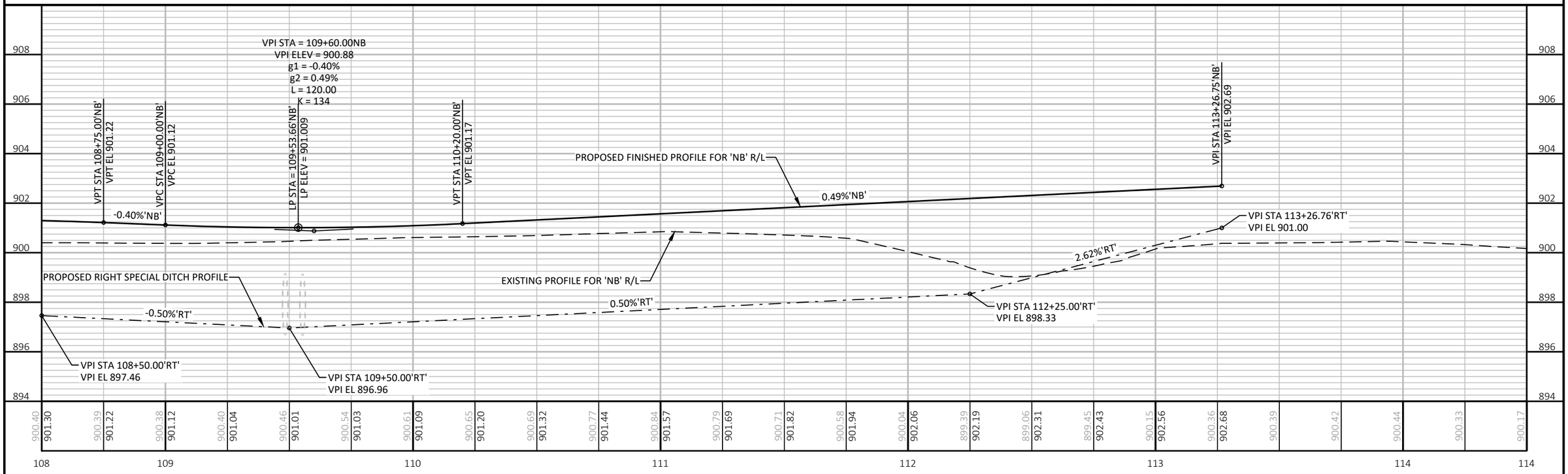
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 76 (MUNICIPAL DR) SOUTH NB	SHEET 112 E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050101-pp

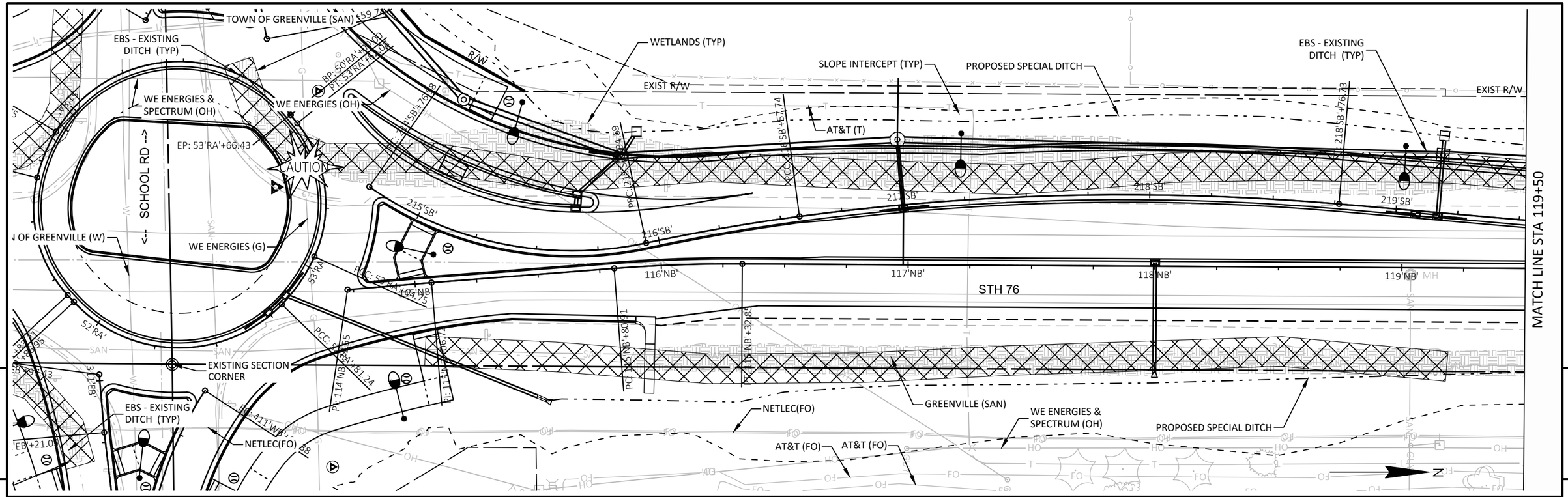
PLOT DATE : 5/24/2023 4:50 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

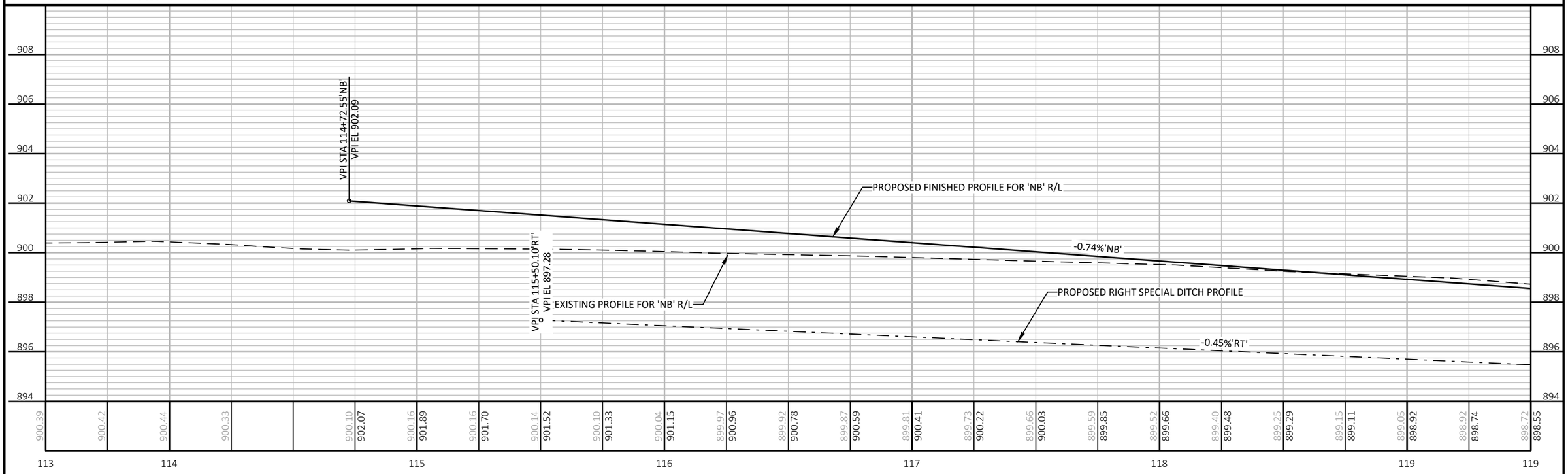
WISDOT/CADDS SHEET 44





PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 76 (MUNICIPAL DR) SOUTH NB	SHEET 113	E





PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 76 (MUNICIPAL DR) NORTH NB	SHEET 114 E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050105-pp

PLOT DATE : 5/24/2023 4:50 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA 221+02 LT TO 221+50 LT
48 LF 18-INCH CMPC
TO BE REMOVED

EBS - EXISTING DITCH (TYP)

AT&T (T)

SLOPE INTERCEPT (TYP)

EXIST R/W

SAWCUT & MATCH EXISTING PAVEMENT

PROPOSED SPECIAL DITCH

WETLANDS (TYP)

P/L

EXIST R/W

MATCH LINE STA 119+50

219'SB'+91.79

220'SB'

221'SB'

222'SB'

223'SB'

EP 223'SB'+95.99

120'NB'

121'NB'

122'NB'

123'NB'

124'NB'

125'NB'

SAWCUT & MATCH EXISTING PAVEMENT

STH 76

PROPOSED SPECIAL DITCH

WE ENERGIES (G)

CAUTION

AT&T (FO)

AT&T (T)

WE ENERGIES & SPECTRUM (OH)

NETLEC (FO)

TOWN OF GREENVILLE (SAN)

END PROJECT
STA 123+92.82'NB'

AT&T (T)

AT&T (FO)

N

VPI STA 120+75.00'NB'
VPI EL 897.63

VPI STA 121+00.00'RT'
VPI EL 894.80

PROPOSED FINISHED PROFILE FOR 'NB' R/L

-0.60%'NB'

-0.68%'RT'

PROPOSED RIGHT SPECIAL DITCH PROFILE

VPI STA 123+92.90'NB'
VPI EL 895.72

EXISTING PROFILE FOR 'NB' R/L

VPI STA 123+88.96'RT'
VPI EL 892.85

904 902 900 898 896 894 892 890

898.72 898.55 898.52 898.37 898.33 898.18 898.13 898.00 897.74 897.63 897.55 897.48 897.39 897.33 897.23 897.18 897.08 897.03 896.98 896.88 896.85 896.73 896.67 896.58 896.49 896.43 896.31 896.27 896.16 896.12 896.00 895.97 895.84 895.82 895.66 895.46 895.25 895.04 894.82 894.60 894.36

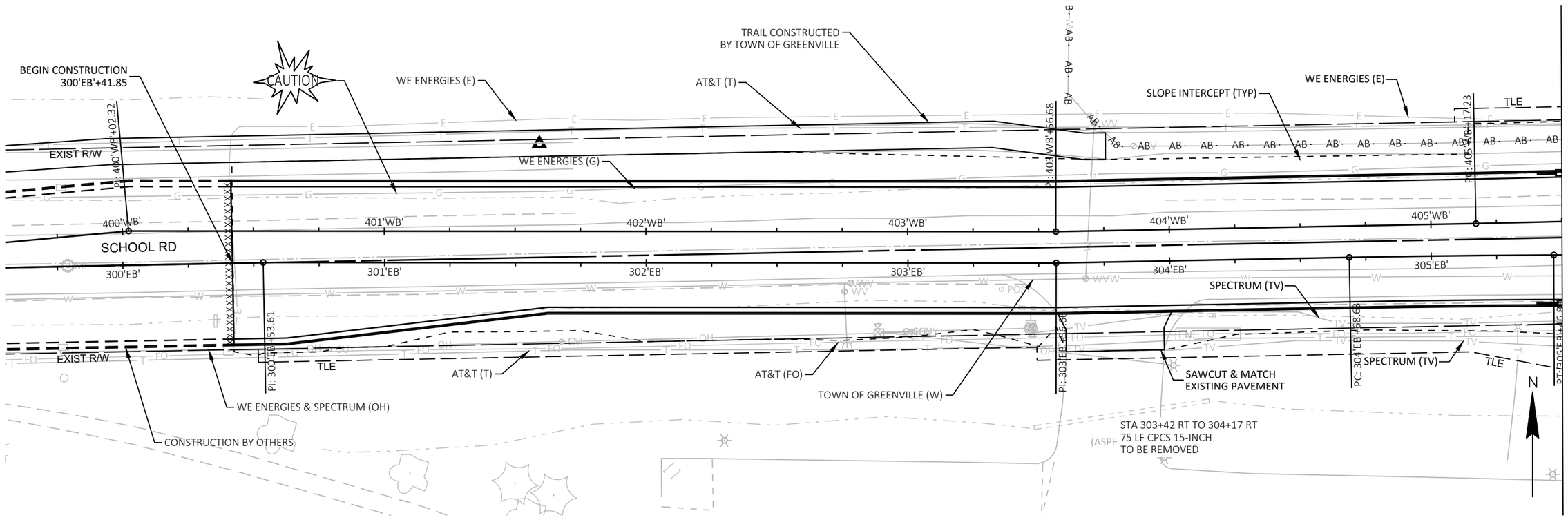
119 120 121 122 123 124 125 125

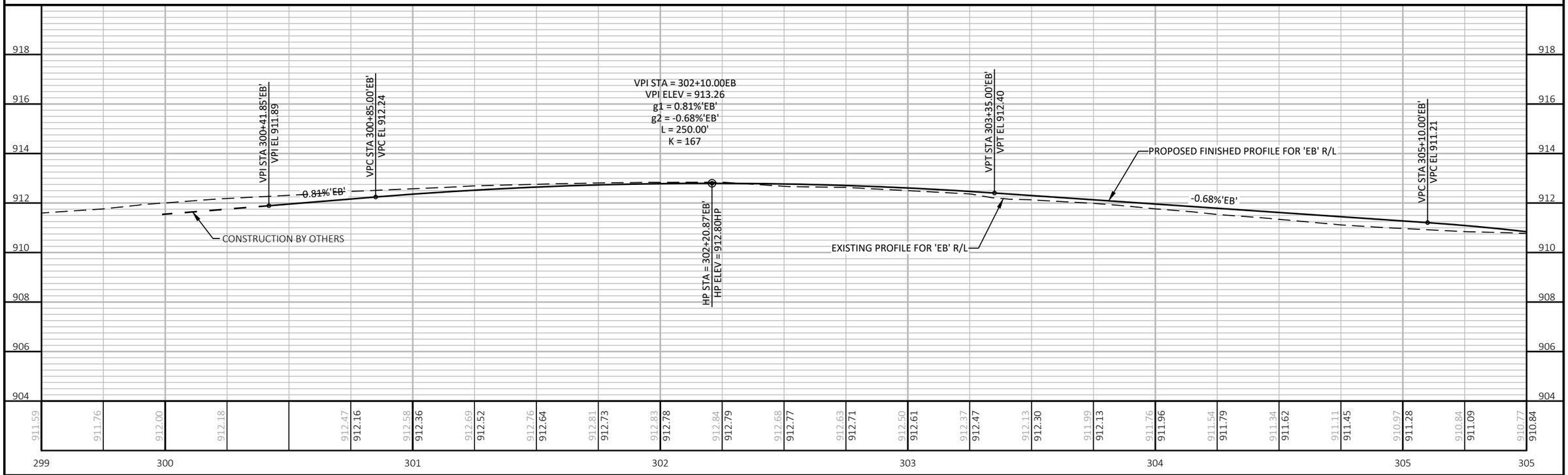
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN AND PROFILE: STH 76 (MUNICIPAL DR) NORTH NB	SHEET 115	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050106-pp

PLOT DATE : 5/24/2023 4:50 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

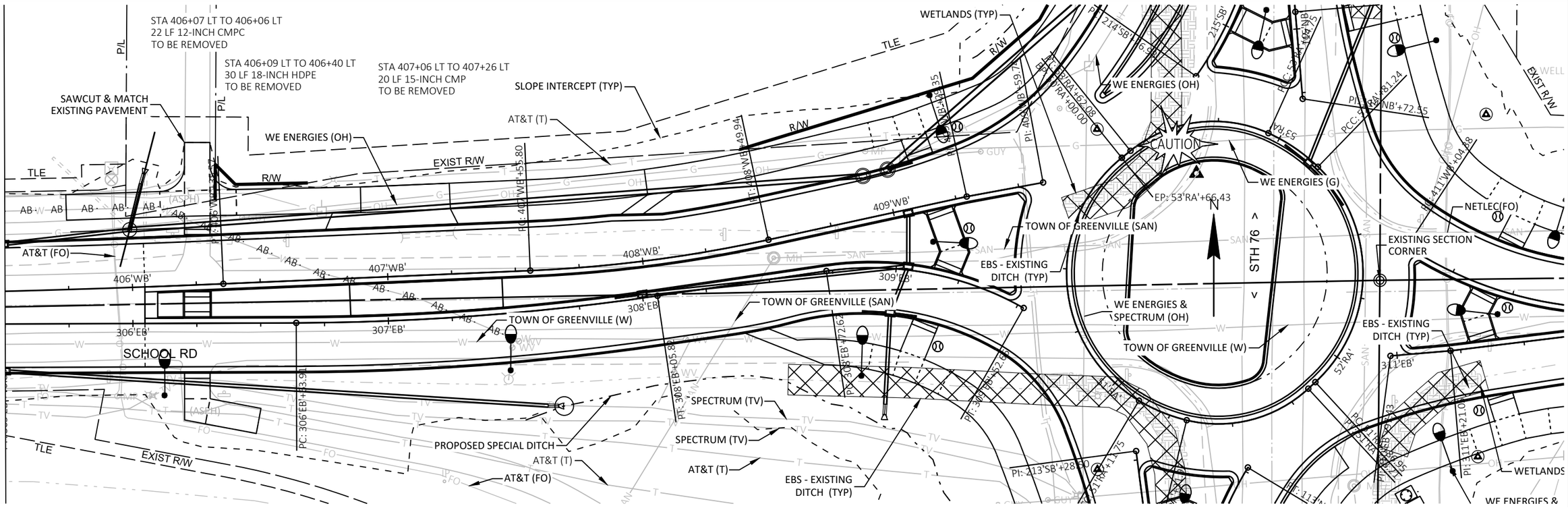
WISDOT/CADDS SHEET 44

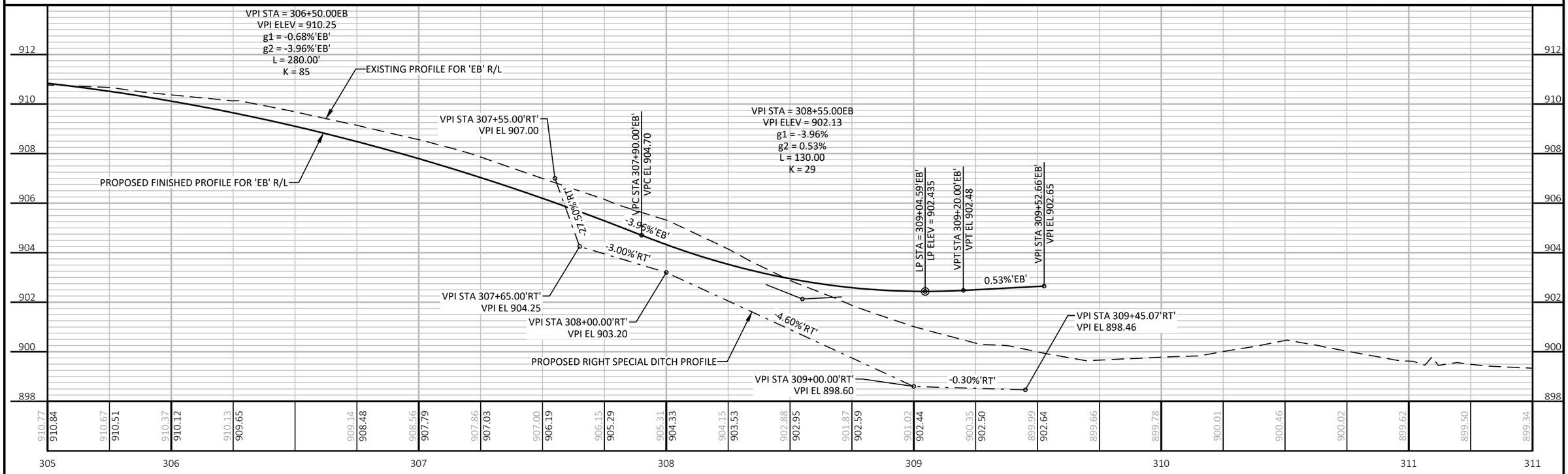




PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN AND PROFILE: SCHOOL ROAD WEST EB	SHEET 116 E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050112-pp
PLOT DATE : 5/24/2023 4:51 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN AND PROFILE: SCHOOL ROAD WEST EB	SHEET 117	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050113-pp
PLOT DATE : 5/24/2023 4:51 PM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

STA 411+80 LT TO 412+24 LT
32 LF 18-INCH CMPC
TO BE REMOVED

MATCH
EXISTING PAVEMENT

TLE

SLOPE INTERCEPT (TYP)

STA 413+90 LT TO 414+24 LT
34 LF 18-INCH CMPC
TO BE REMOVED

TOWN OF GREENVILLE (SAN)

WE ENERGIES (G)

BURIED ELECTRIC FENCE
NEAR EXISTING R/W LINE

CAUTION

AT&T (T)

EXIST R/W

TOWN OF GREENVILLE (W)

WE ENERGIES (G)

NETLEC(FO)

TOWN OF GREENVILLE (SAN)

AT&T (FO)

EXISTING SECTION
CORNER

END CONSTRUCTION
315'EB'+11.67

SCHOOL RD

EBS - EXISTING
DITCH (TYP)

TOWN OF GREENVILLE (W)

AT&T (FO)

SAWCUT & MATCH
EXISTING PAVEMENT

SAWCUT & MATCH
EXISTING PAVEMENT

WE ENERGIES & SPECTRUM (OH)

SAWCUT & MATCH
EXISTING PAVEMENT

AT&T(T)

WETLANDS (TYP)

WE ENERGIES &

EXIST R/W

STA 312+39 RT TO 312+83 RT
44 LF 18-INCH CMPC
TO BE REMOVED

STA 313+31 RT TO 313+56 RT
24 LF 18-INCH CMPC
TO BE REMOVED

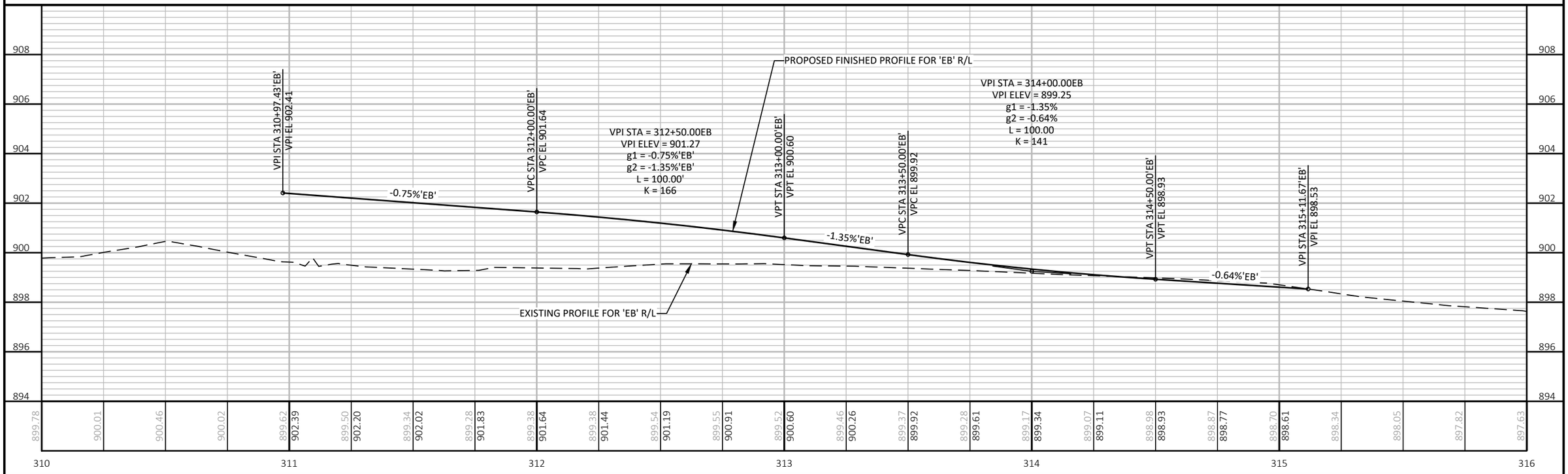
STA 313+84 RT TO 314+09 RT
24 LF 18-INCH CMPC
TO BE REMOVED

STA 314+50 RT TO 314+93 RT
42 LF 18-INCH CMPC
TO BE REMOVED

N

5

5

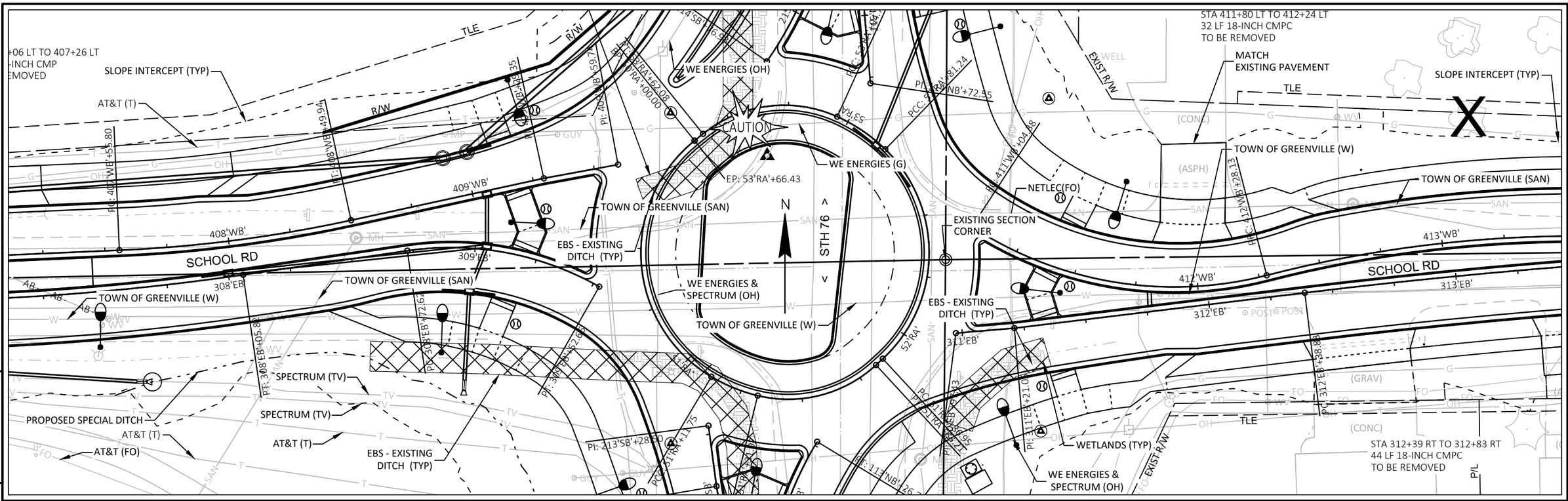


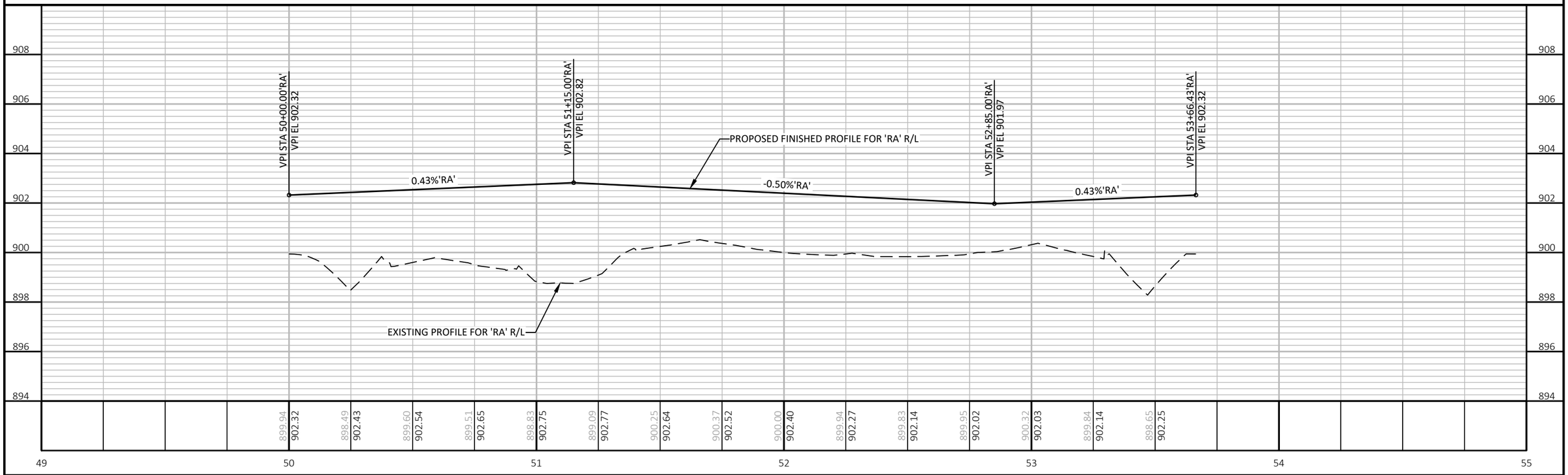
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN AND PROFILE: SCHOOL ROAD EAST EB	SHEET 118	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050115-pp

PLOT DATE : 5/24/2023 4:51 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

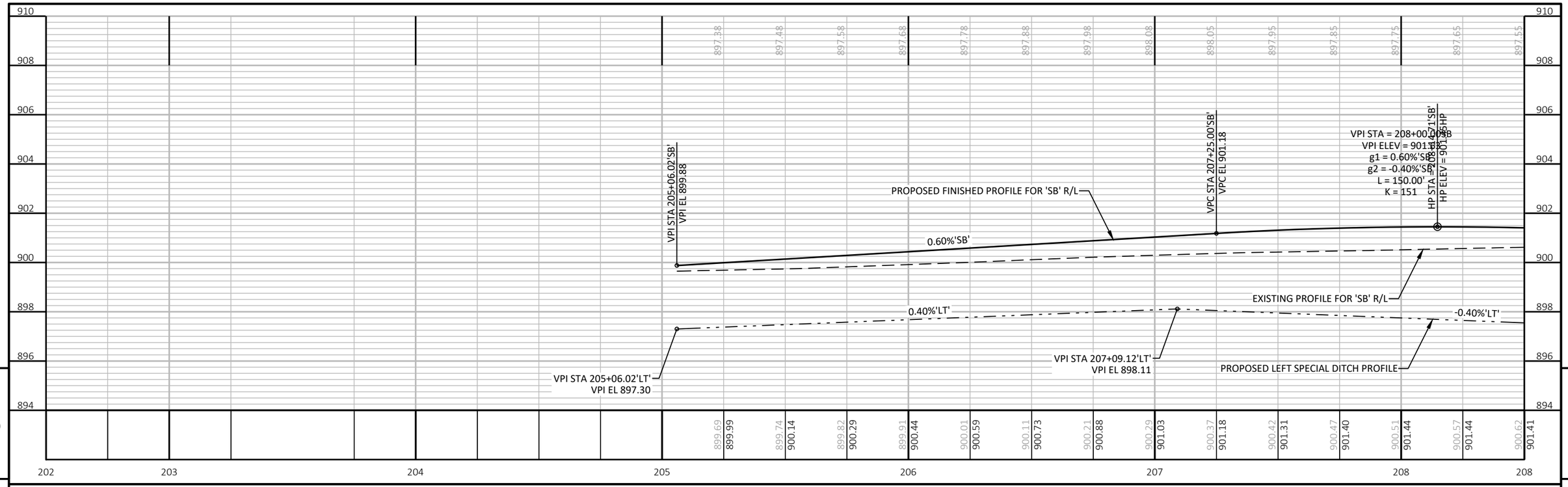


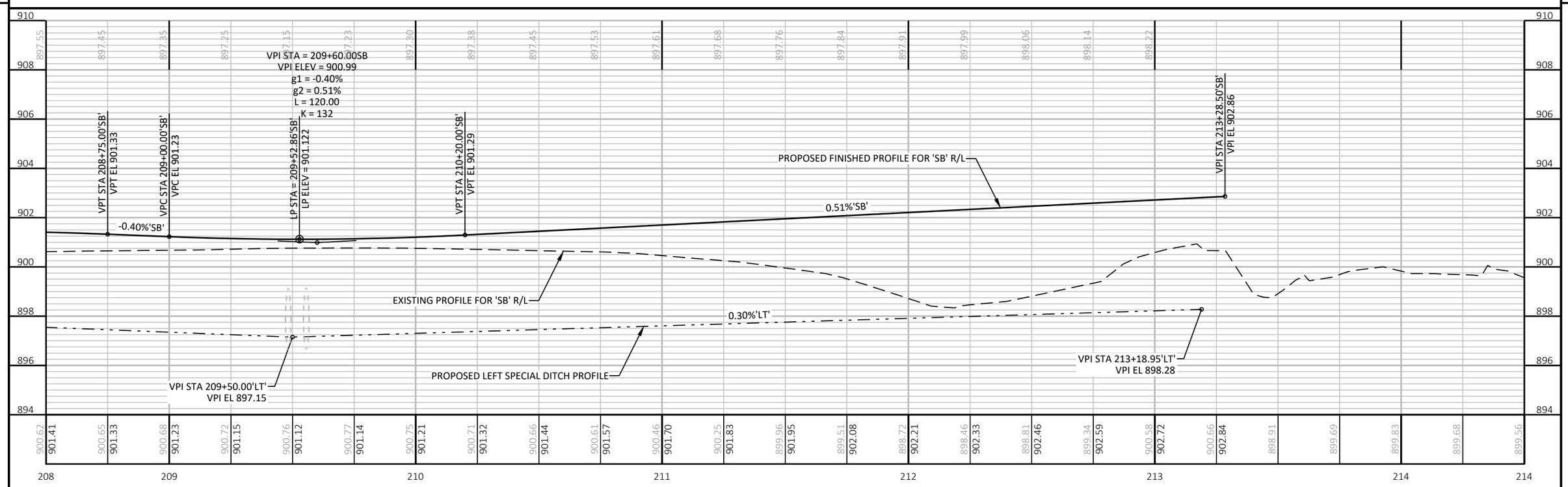


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN AND PROFILE: ROUNDABOUT	SHEET 119 E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050121-pp

PLOT DATE : 5/24/2023 4:51 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

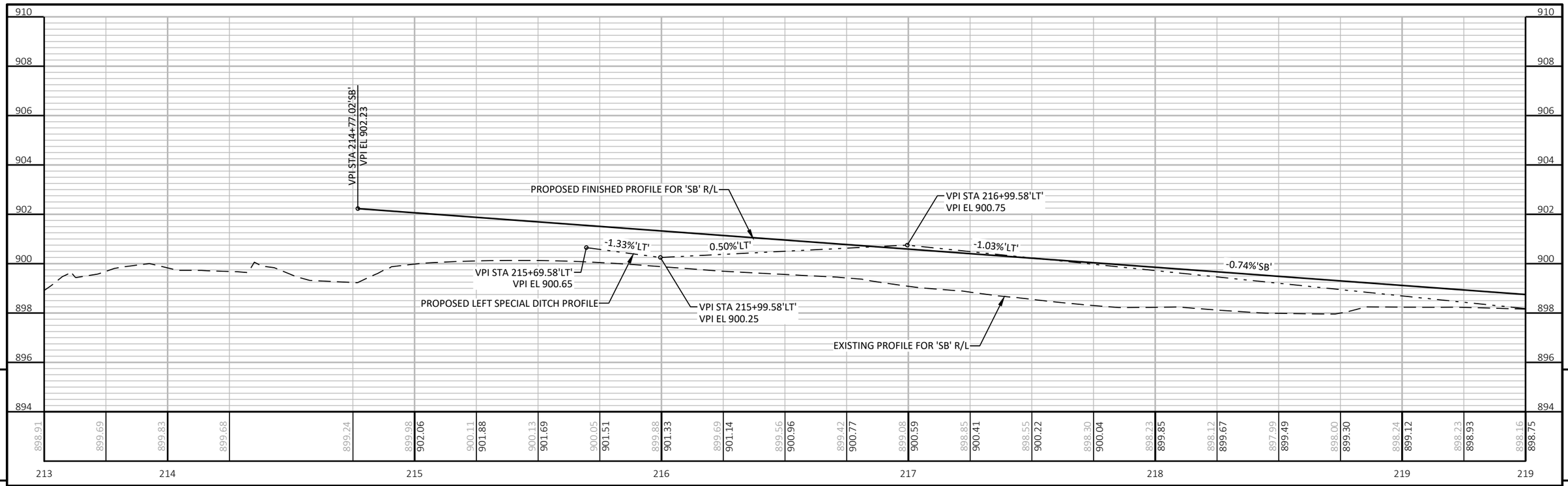


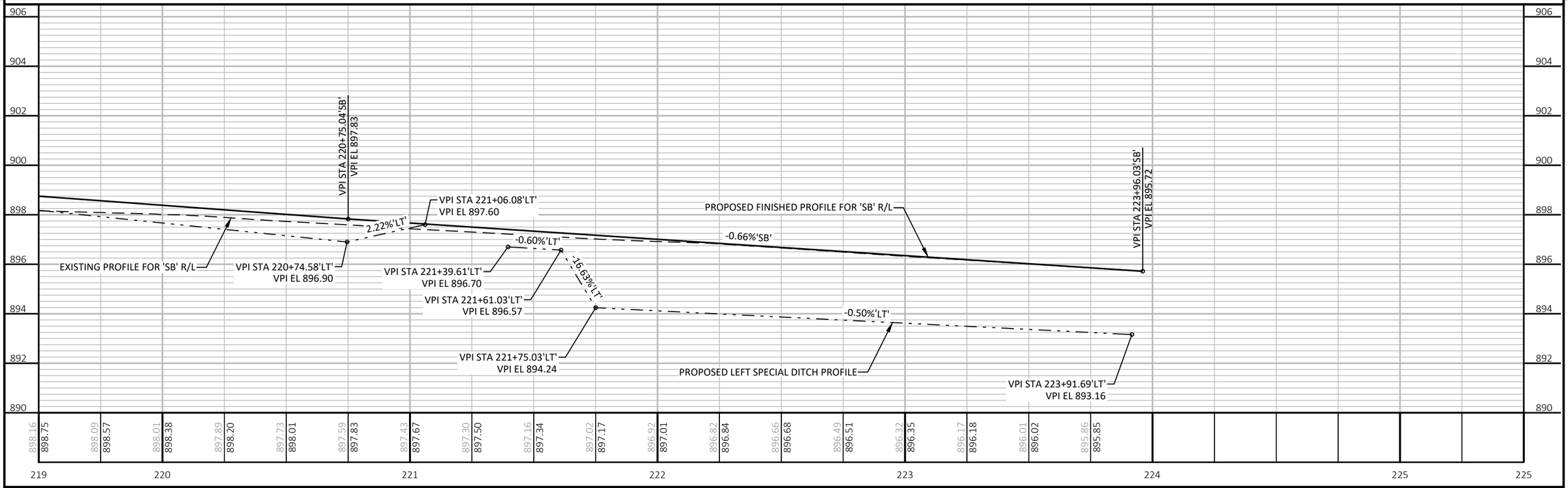


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PROFILE: STH 76 SOUTH SB	SHEET 120	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050301-pr

PLOT DATE : 10/18/2022 3:53 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

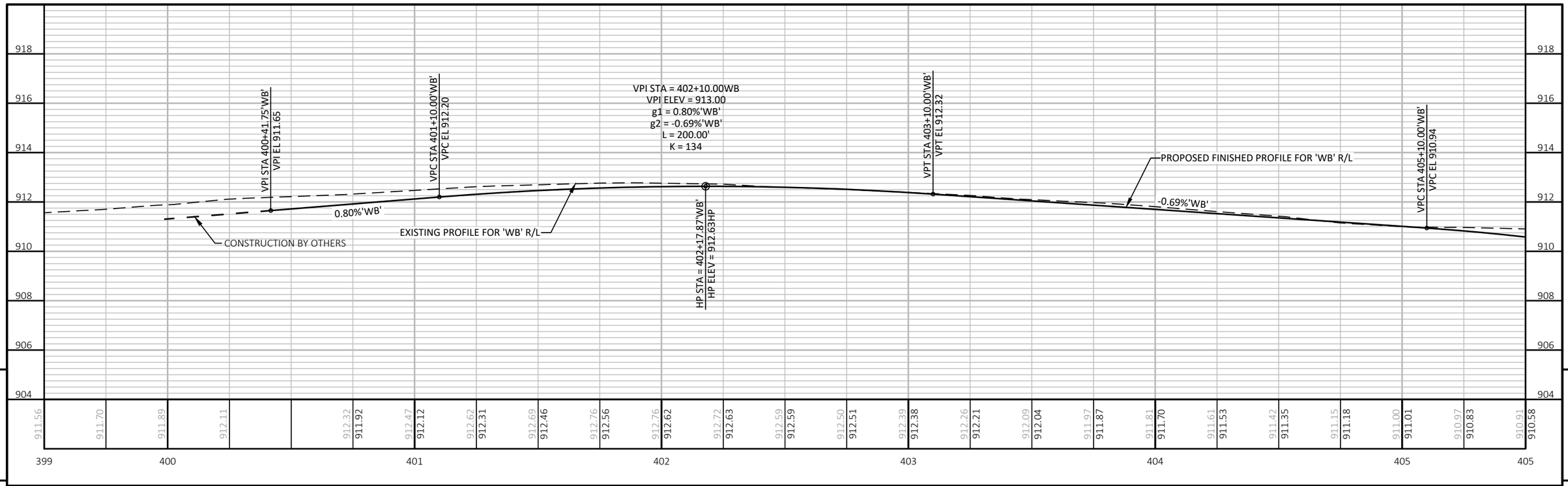


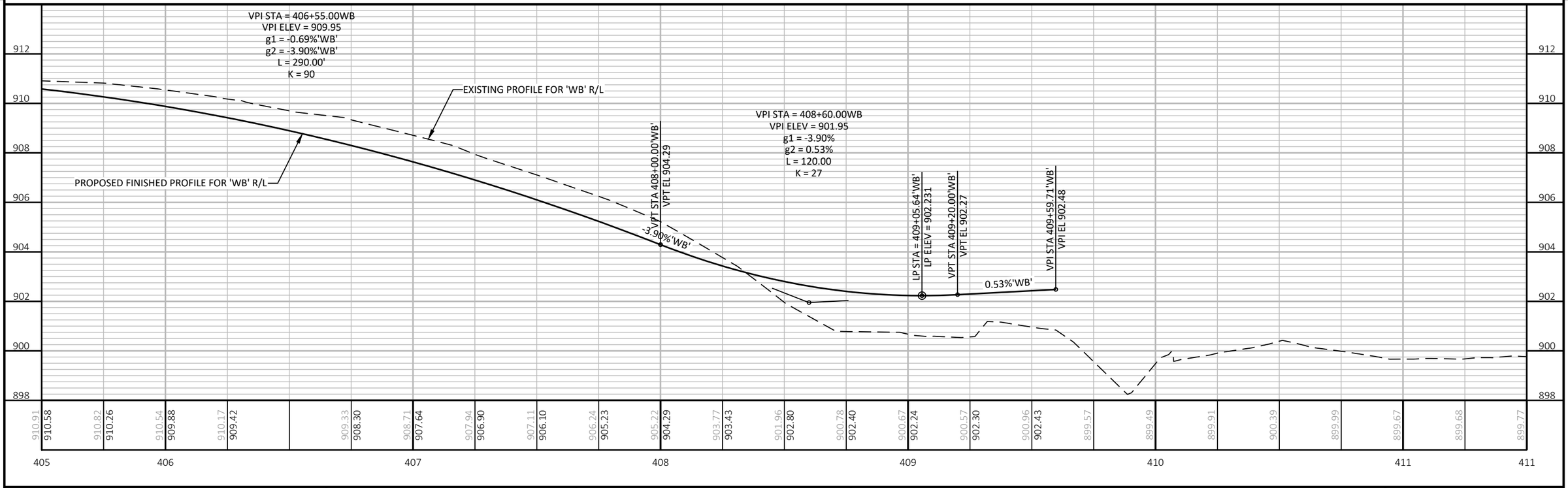


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PROFILE: STH 76 NORTH SB	SHEET 121	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050305-pr

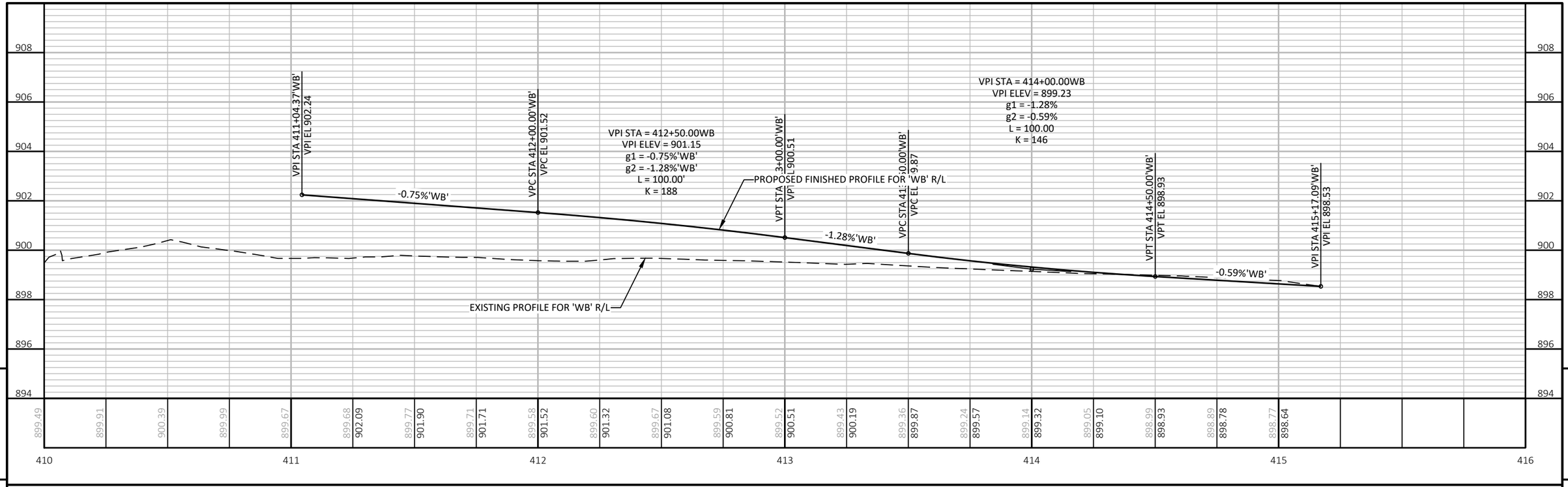
PLOT DATE : 10/18/2022 3:53 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PROFILE: SCHOOL ROAD WEST WB	SHEET 122	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050311-pr
PLOT DATE : 5/25/2023 7:54 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	PROFILE: SCHOOL ROAD EAST WB	SHEET 123	E

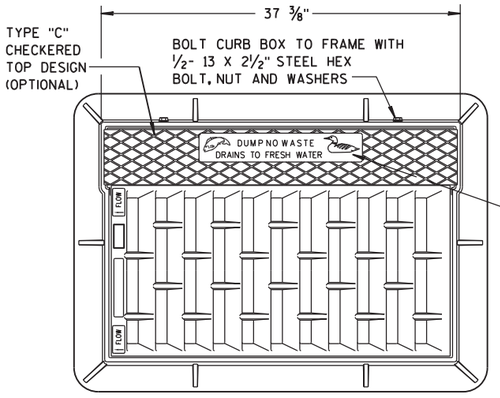
FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-050100-PP.DWG
LAYOUT NAME - 643020-050315-pr

PLOT DATE : 10/18/2022 3:53 PM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

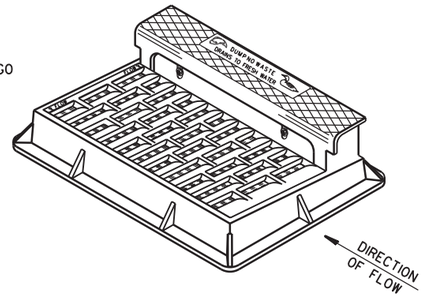
Standard Detail Drawing List

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
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08B10-02	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	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
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
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
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)
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
10A01-04	ELECTRICAL HANDHOLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C19-03	HMA LONGITUDINAL JOINTS
14A02-01	TREE PLANTING DETAIL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDABOUT ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C29-08A	BICYCLE LANE MARKING
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

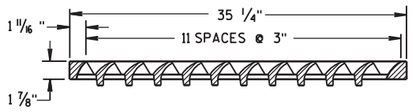
6

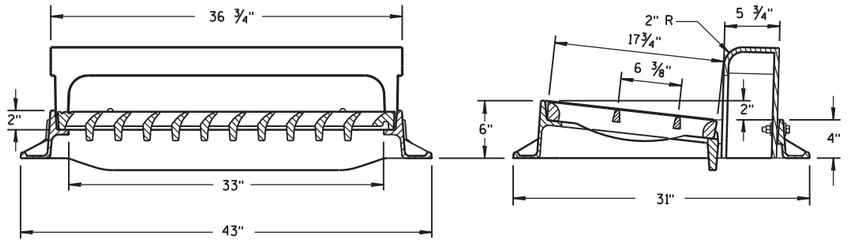


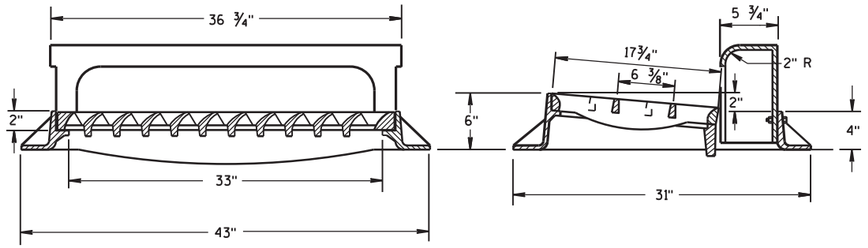
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

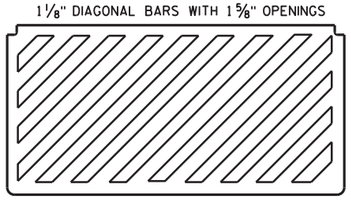






TYPE "H"

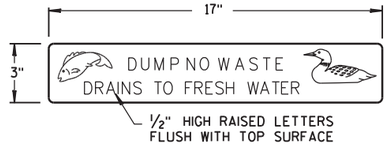
NOTE: EITHER CASTING IS ACCEPTABLE



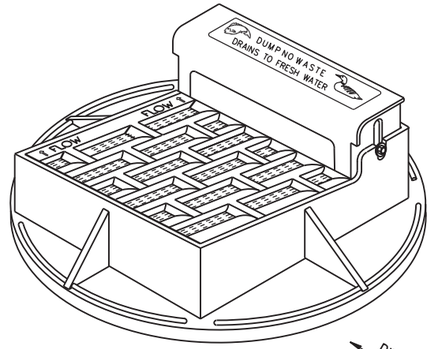
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

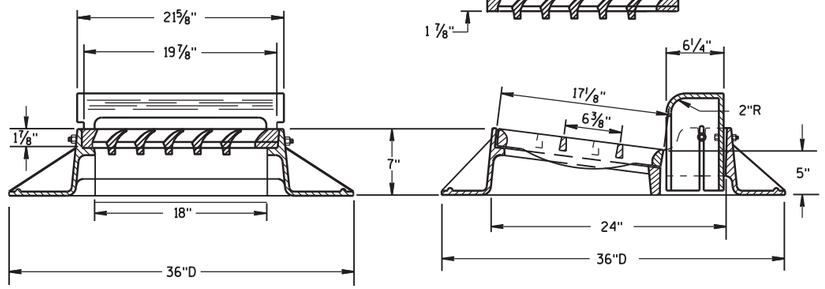


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



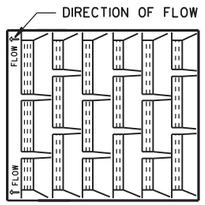
TYPE "A"

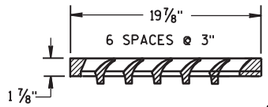
GENERAL NOTES

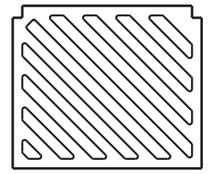
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.



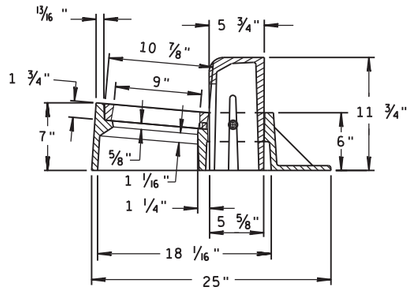


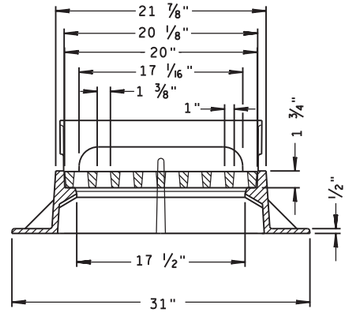


SPECIAL GRATE FOR TYPE "A" COVER

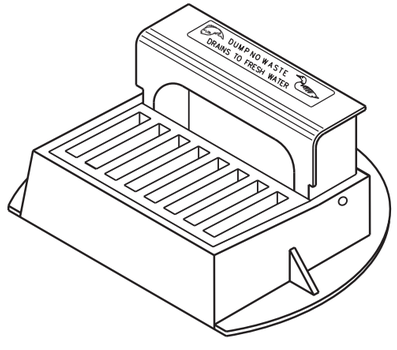
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



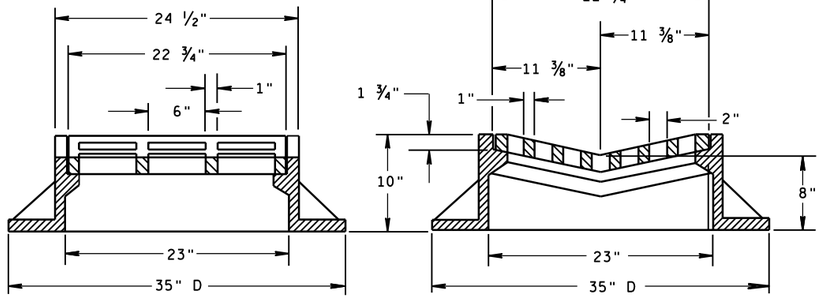
INLET COVERS TYPE A, H, A-S, H-S & Z

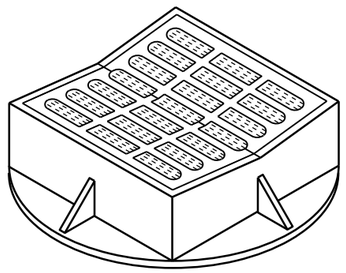
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

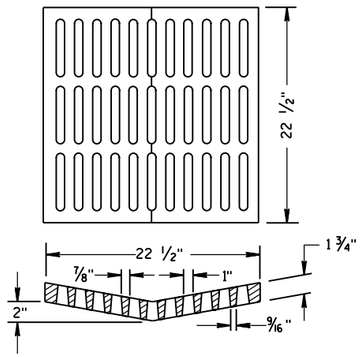
6

S.D.D. 8 A 5-19a



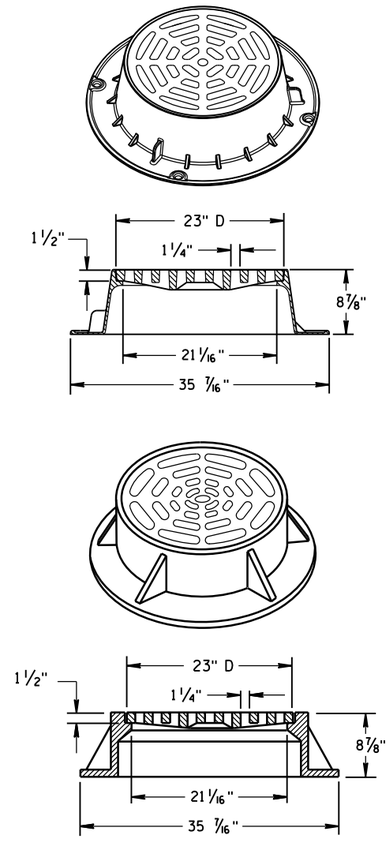


TYPE "B"



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"

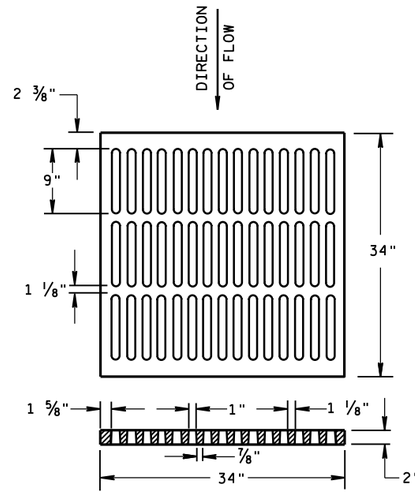
NOTE: EITHER CASTING IS ACCEPTABLE

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.

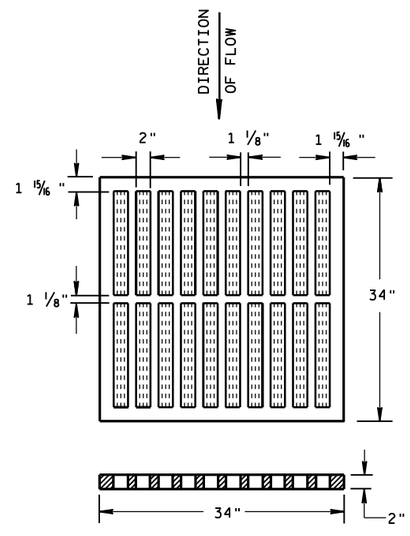
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



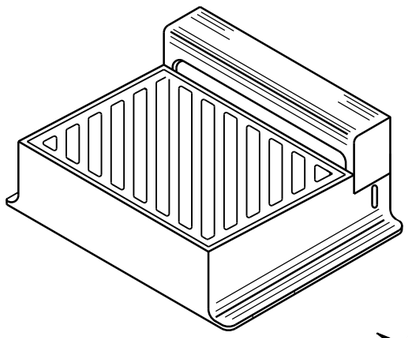
ALTERNATIVE TYPE "MS"

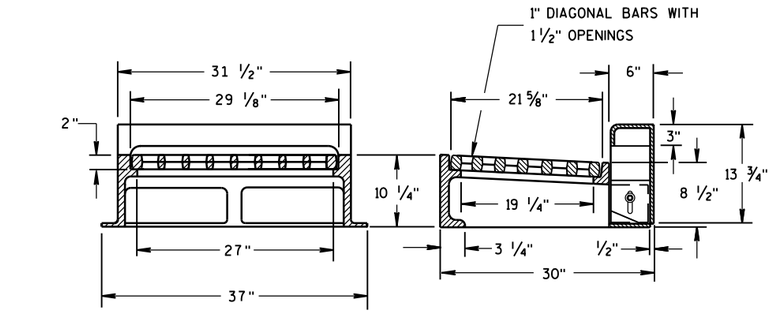
USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE





NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

DIRECTION OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.

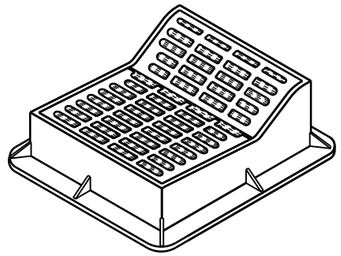
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

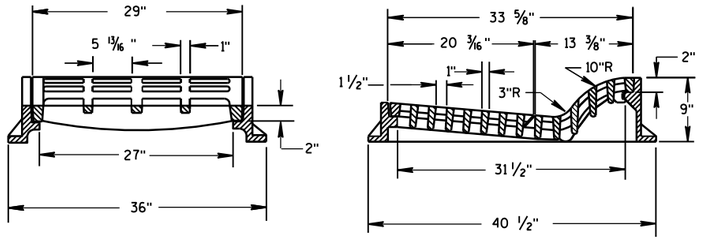
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

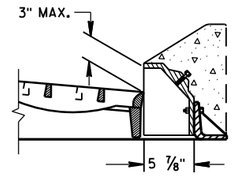
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

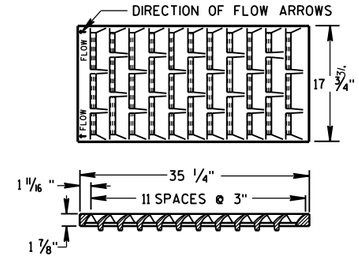
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

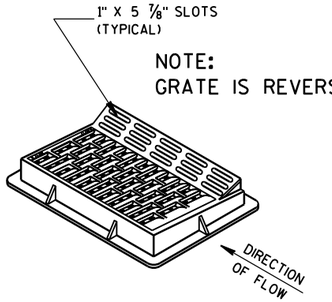
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

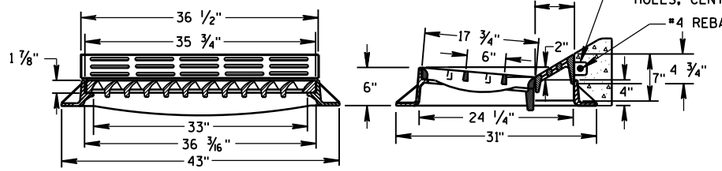
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



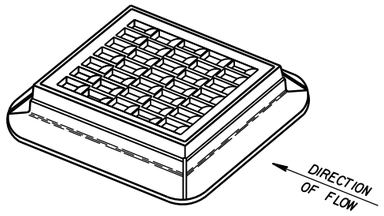


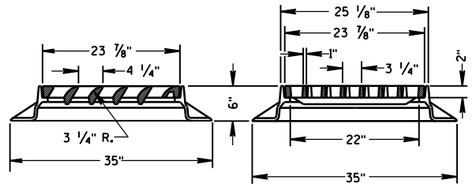


TYPE "HM"

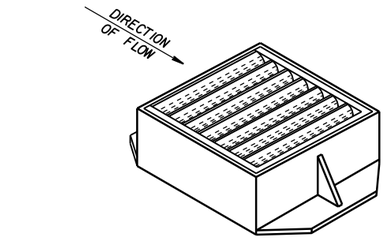
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

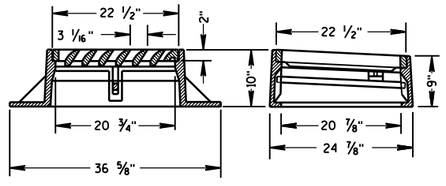
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



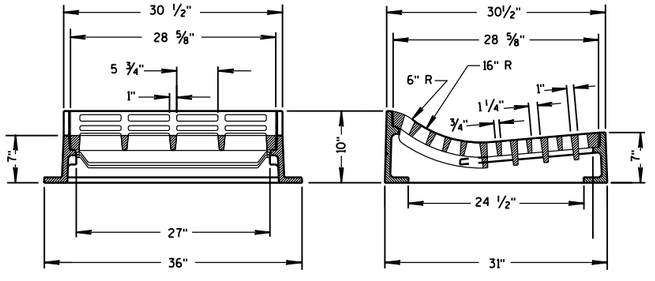


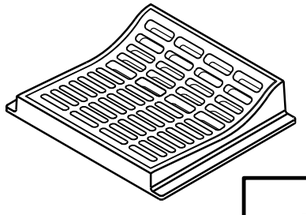
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

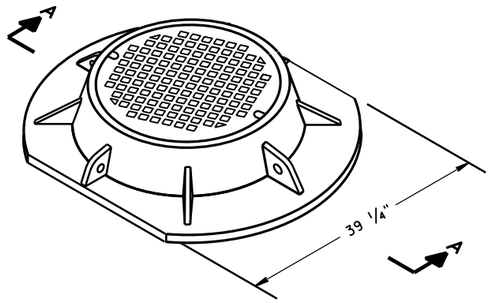
FHWA

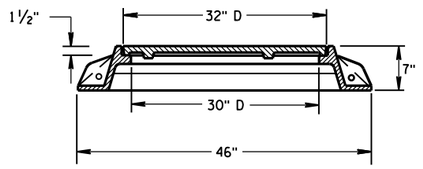
6

S.D.D. 8 A 5-19c

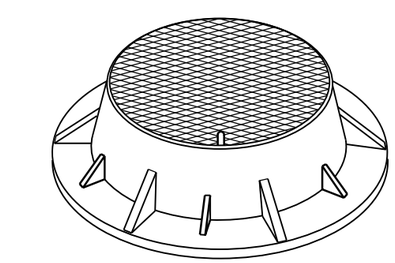
6

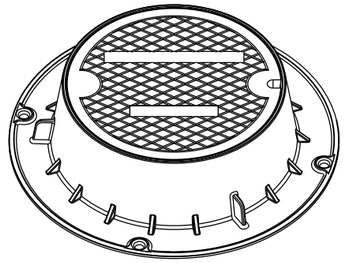
S.D.D. 8 A 5-19c

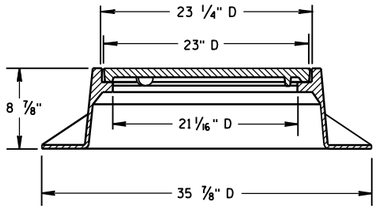


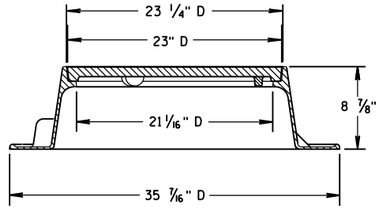


SECTION A-A
TYPE "K"









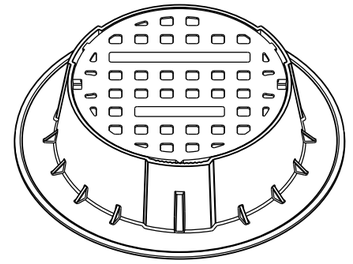
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

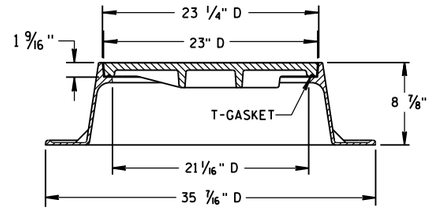
GENERAL NOTES

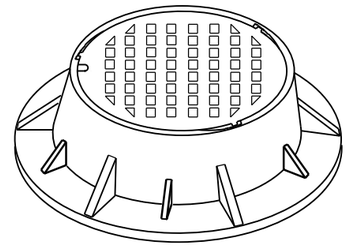
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

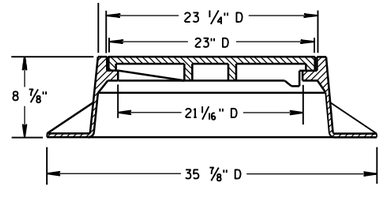
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

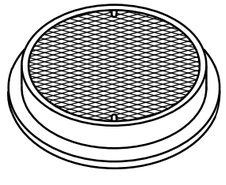


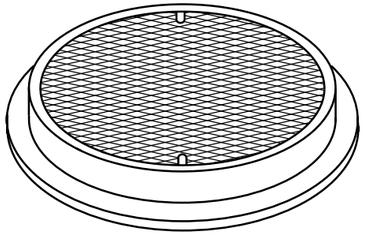


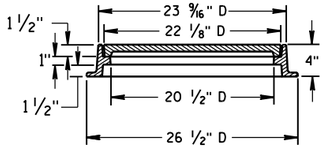




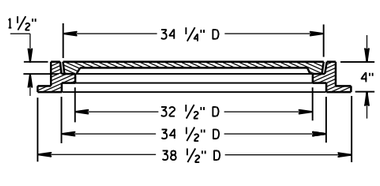
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



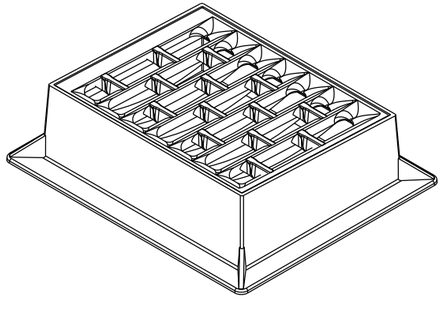


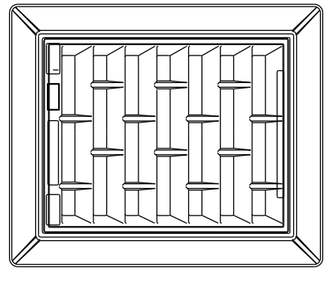


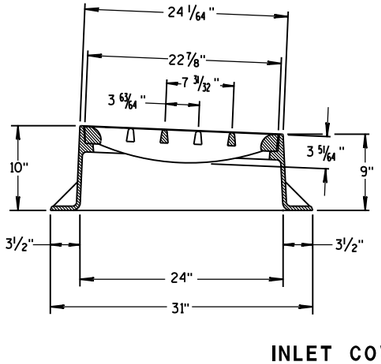
TYPE "L"

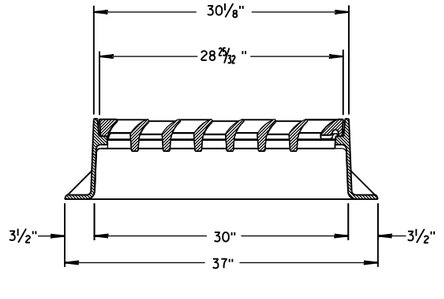


TYPE "M"









INLET COVER TYPE "BW"

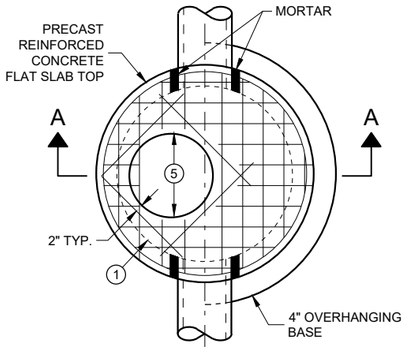
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

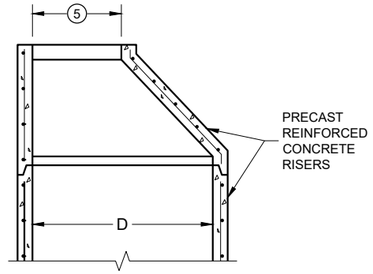
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

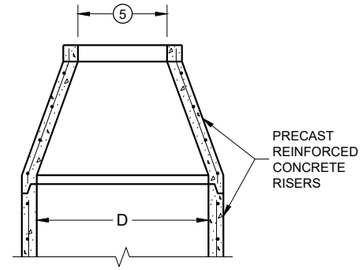
S.D.D. 8 A 5-19d



PLAN VIEW
CIRCULAR OPENING



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.

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".

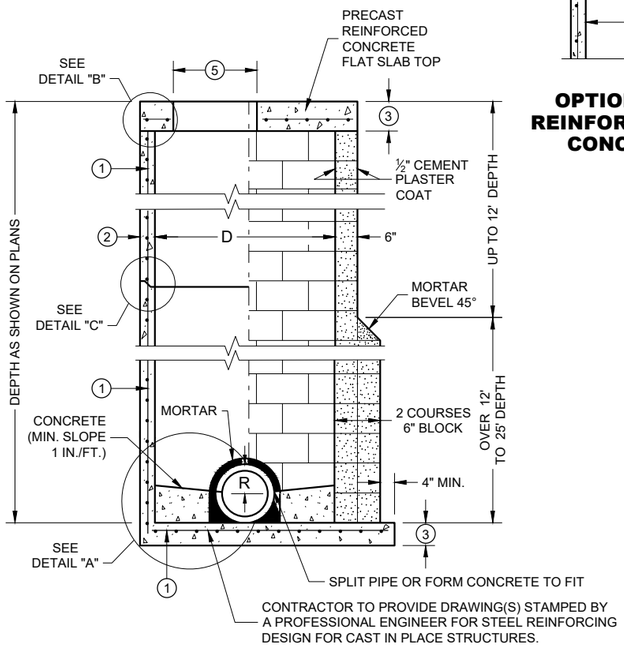
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(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.).

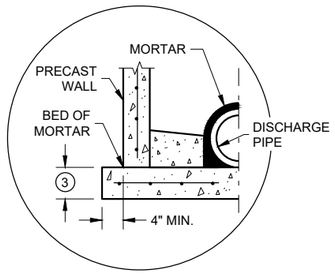
(5) SEE MANHOLE COVER OPENING MATRIX.



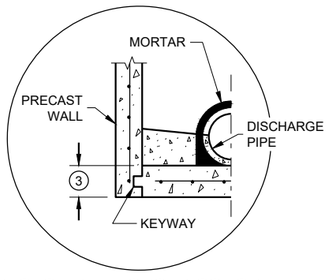
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

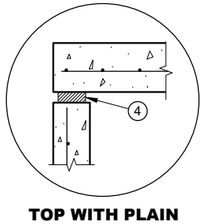


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

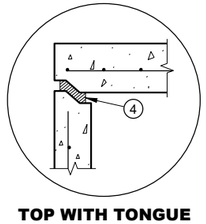


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

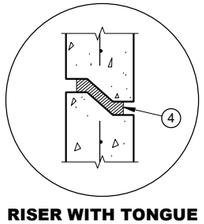
DETAIL "A"



TOP WITH PLAIN END JOINT

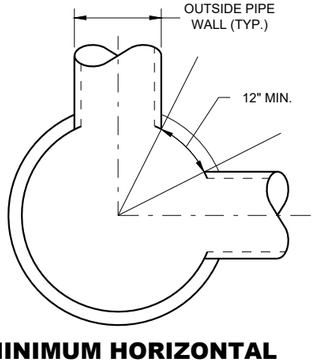


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

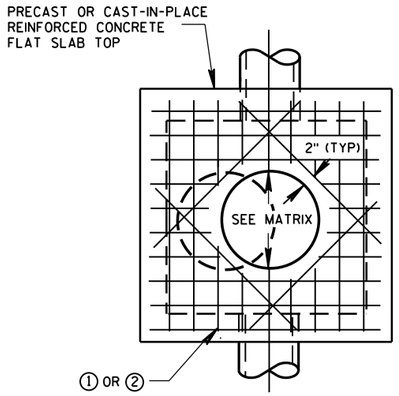
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

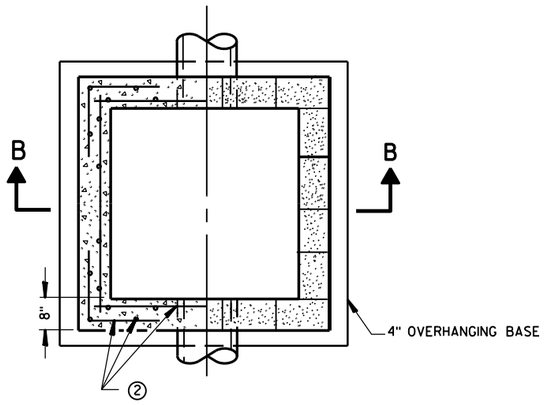
FHWA

SDD 08B09 - 03

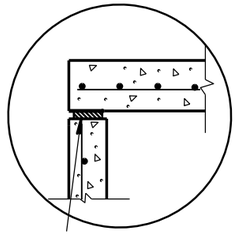
6
SDD 08B09 - 03



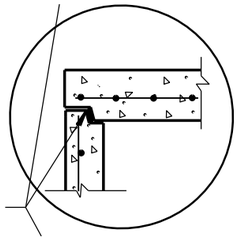
PLAN VIEW
CIRCULAR OPENING



SECTION A-A
PLAN VIEW

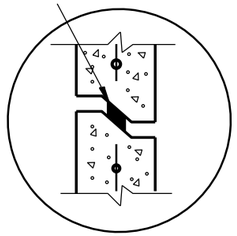


TOP WITH PLAIN END JOINT



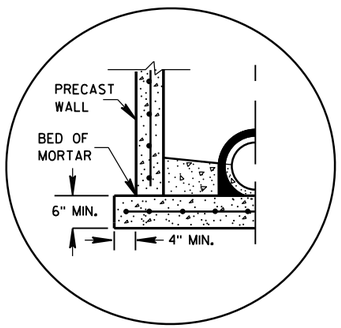
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



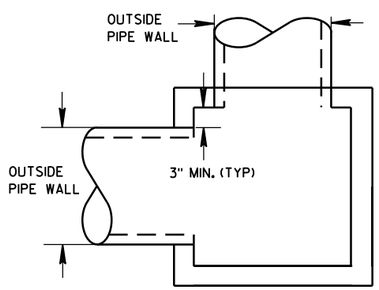
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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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 FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

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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.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN WIDTH.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

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.

MAXIMUM PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "C". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

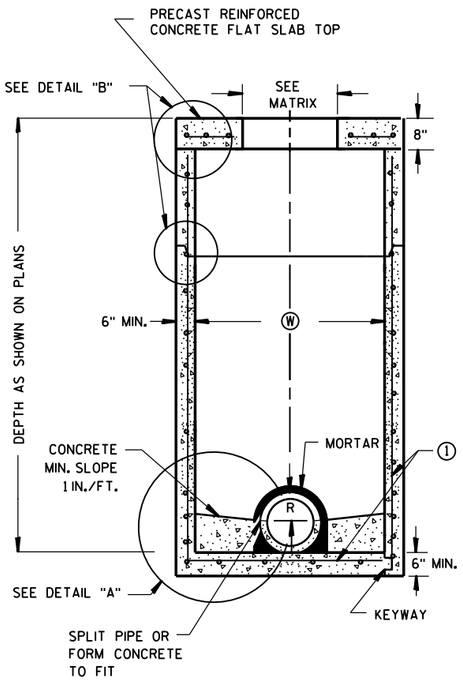
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

MANHOLE COVER OPENING MATRIX

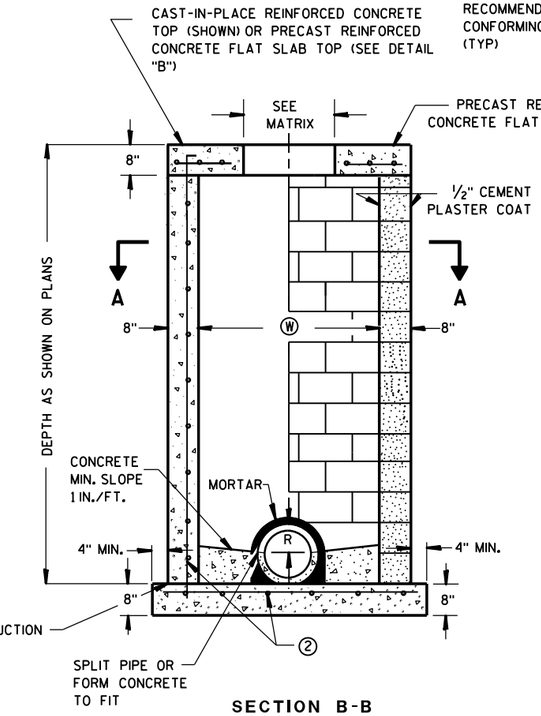
MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE



SECTION B-B

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE

SQUARE MANHOLES W/ FLAT TOP

MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

MANHOLES 3X3-FT, 4X4-FT 5X5-FT AND 6X6-FT

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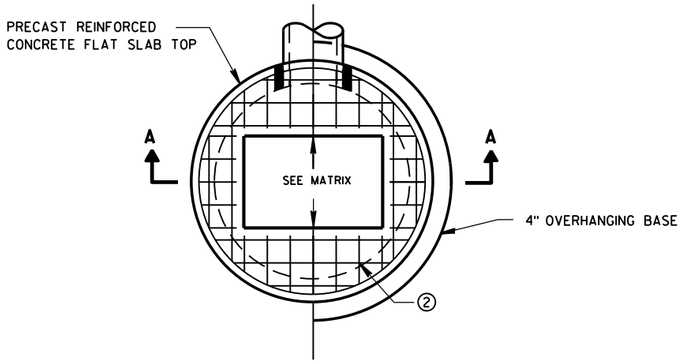
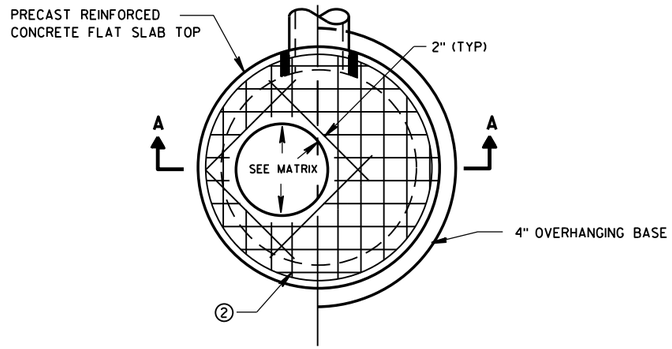
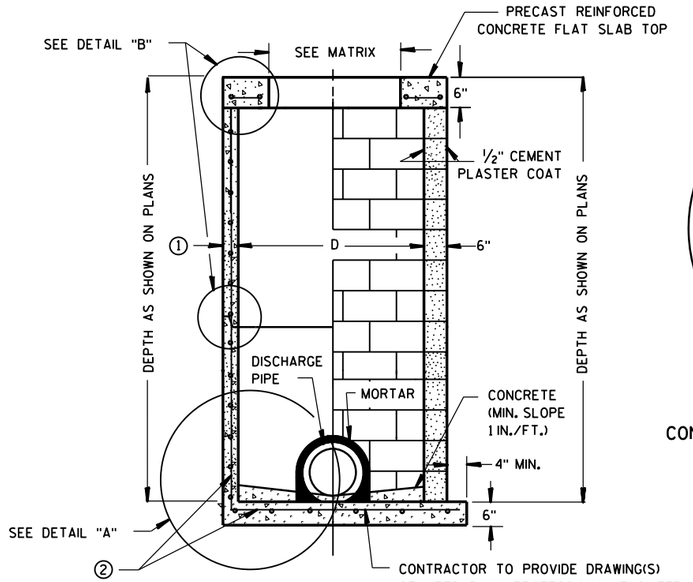


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

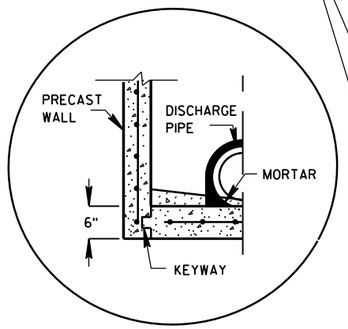


SECTION A-A

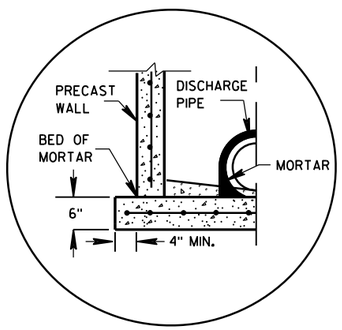
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

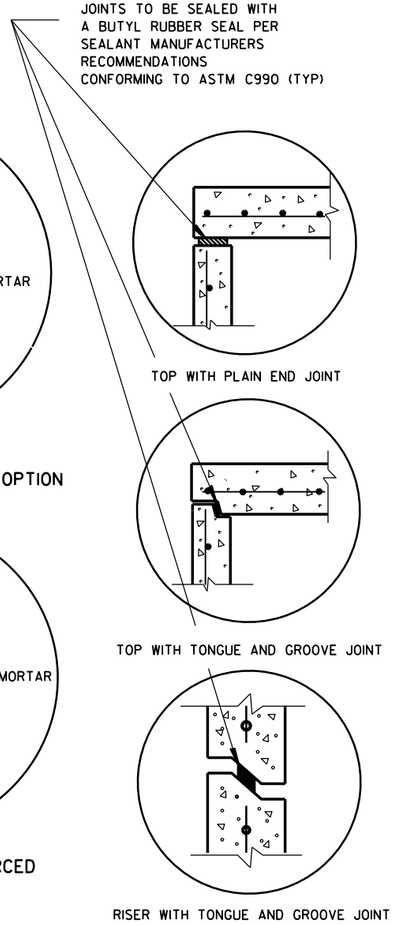


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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.

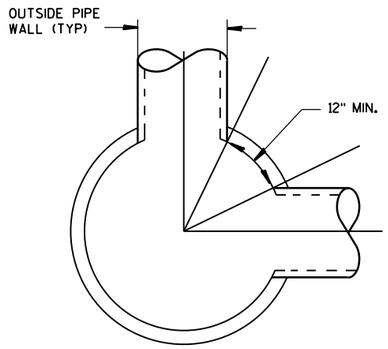
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

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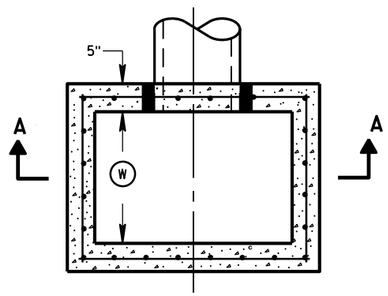
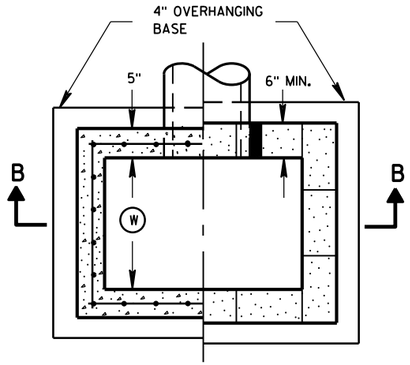
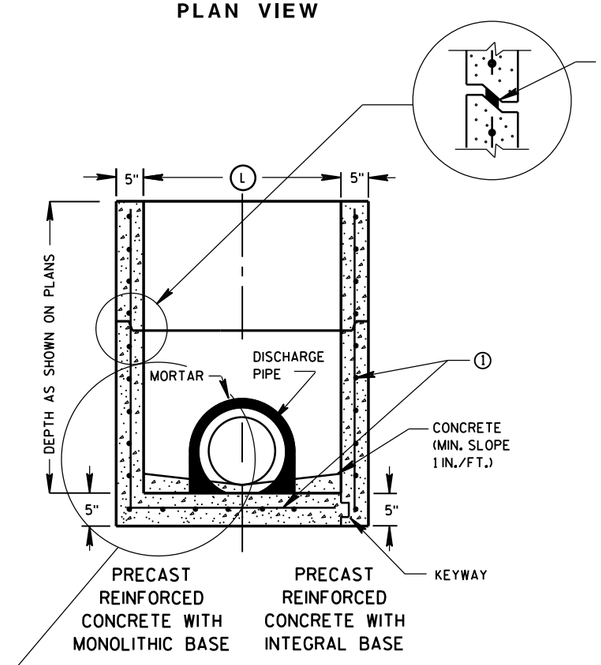
INLETS 3-FT AND 4-FT DIAMETER



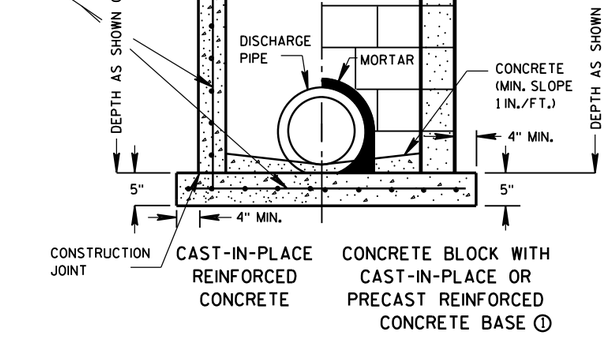
PLAN VIEW



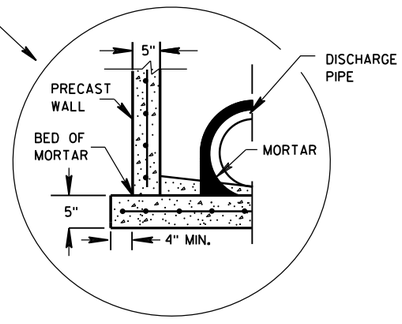
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

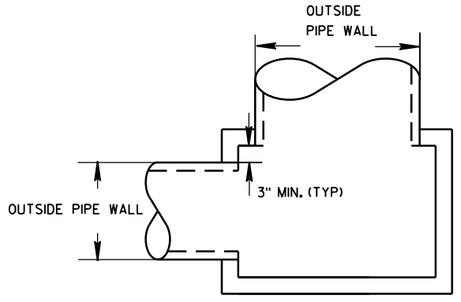
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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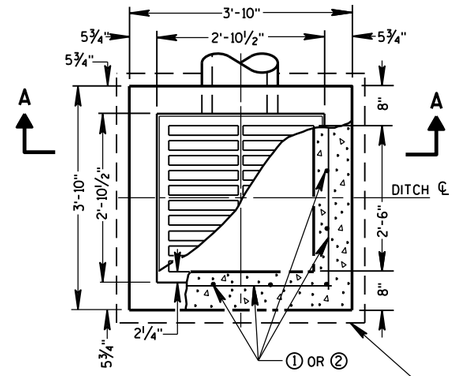
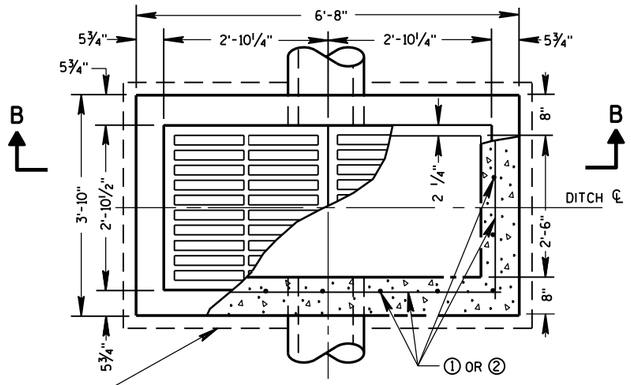
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

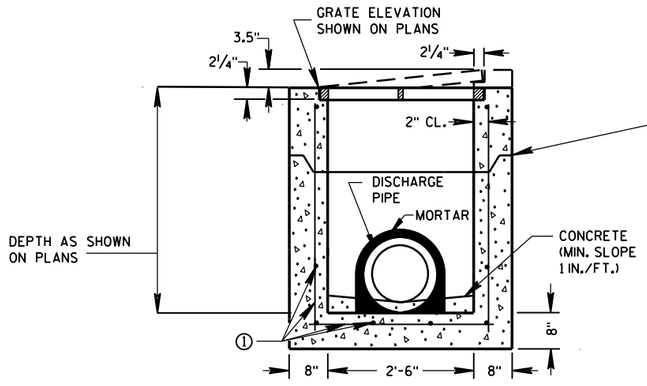


PLAN VIEW

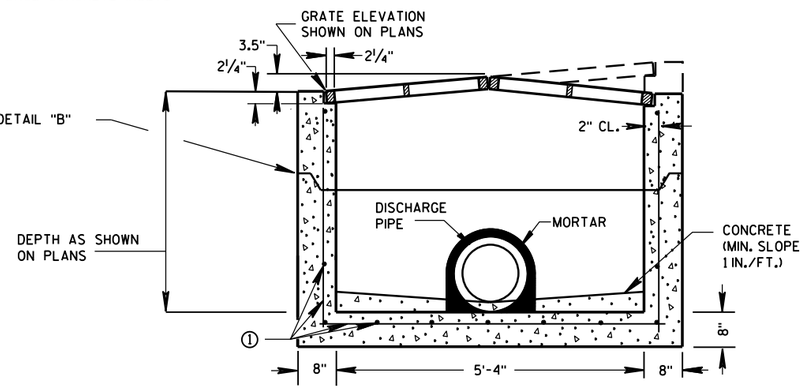


PLAN VIEW

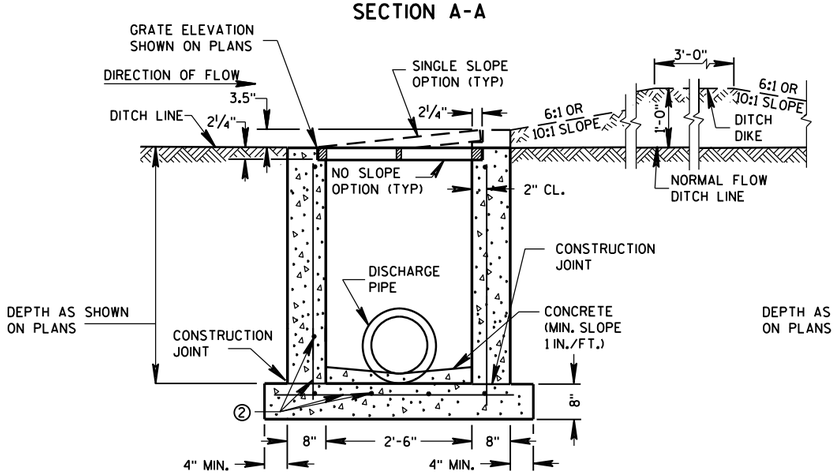
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



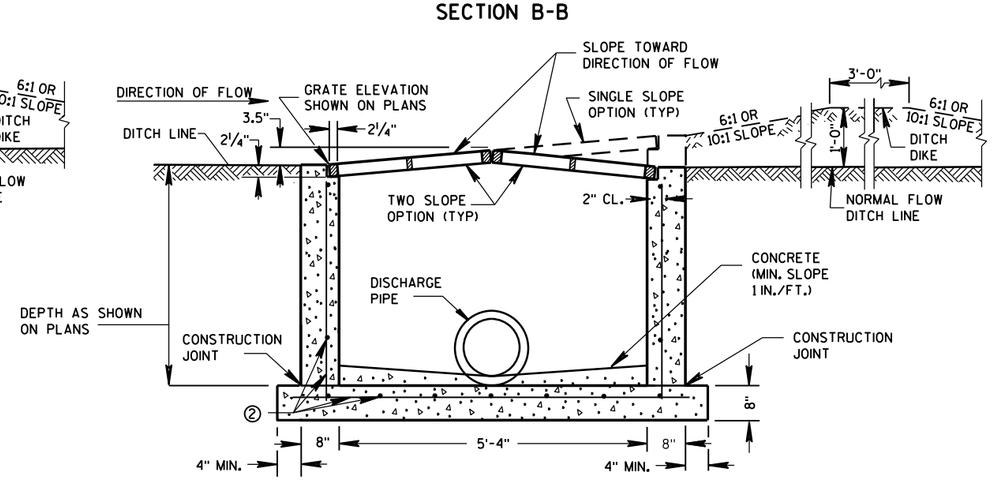
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

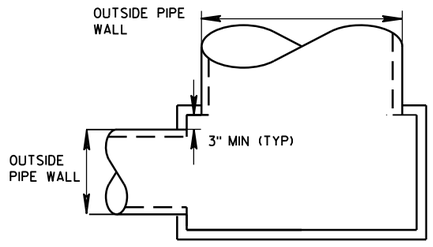
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

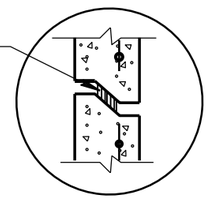
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

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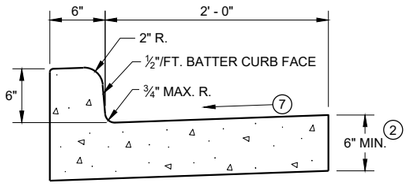
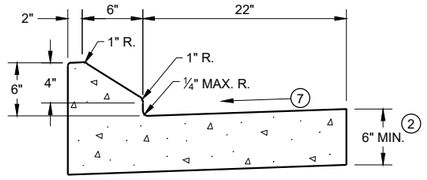
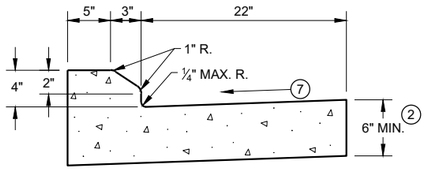


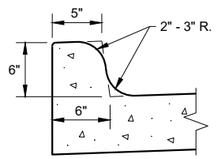
TYPES A (1) & D



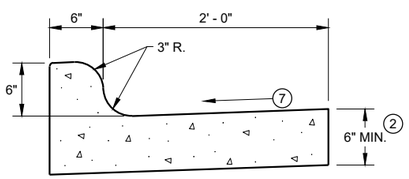
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

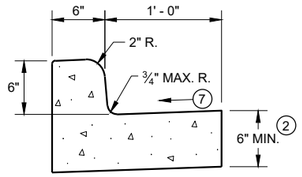


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



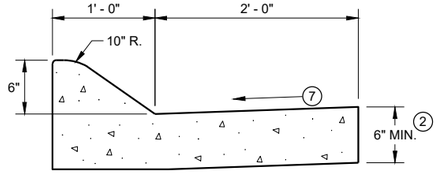
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

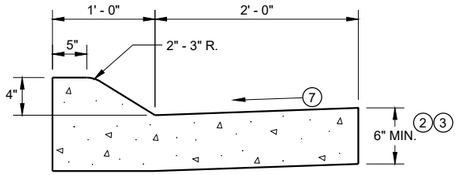


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

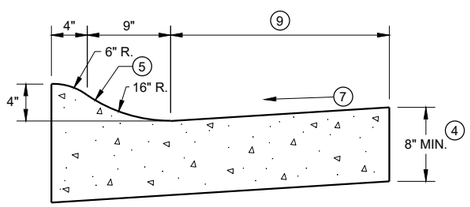


6" SLOPED CURB TYPES A (1) & D



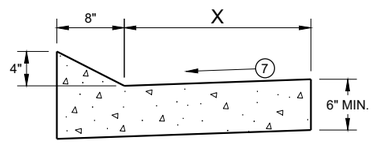
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

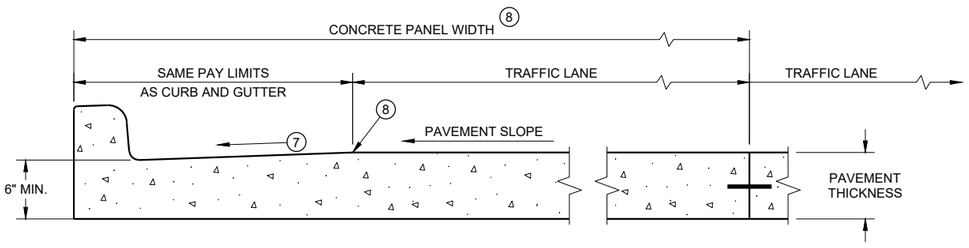


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

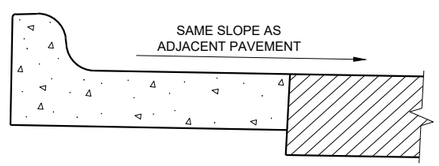
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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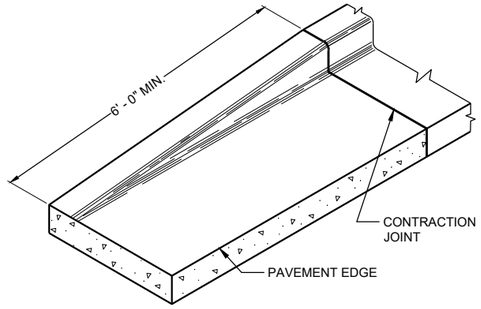
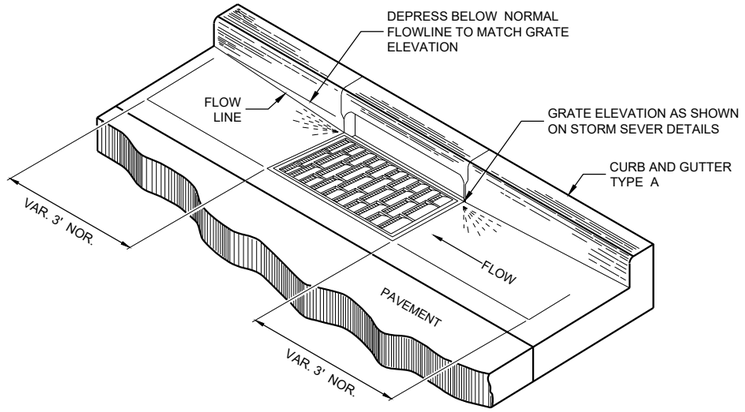
SDD 08D01 - 23a



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.

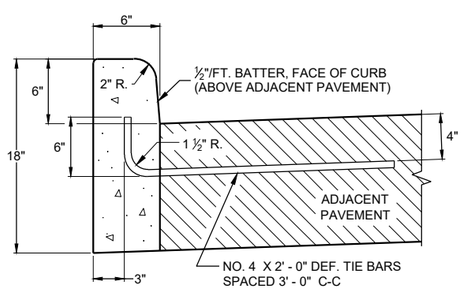
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

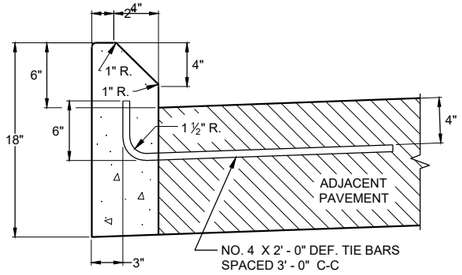
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

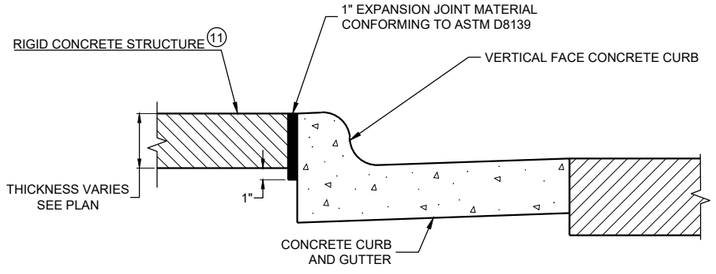


TYPES A (1) & D

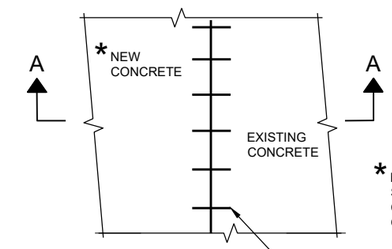


TYPES G (1) & J

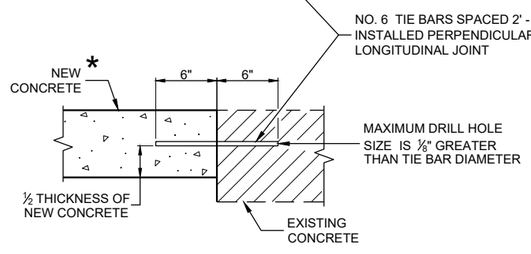
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

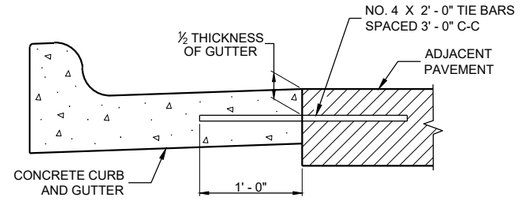


PLAN VIEW

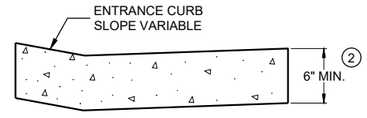


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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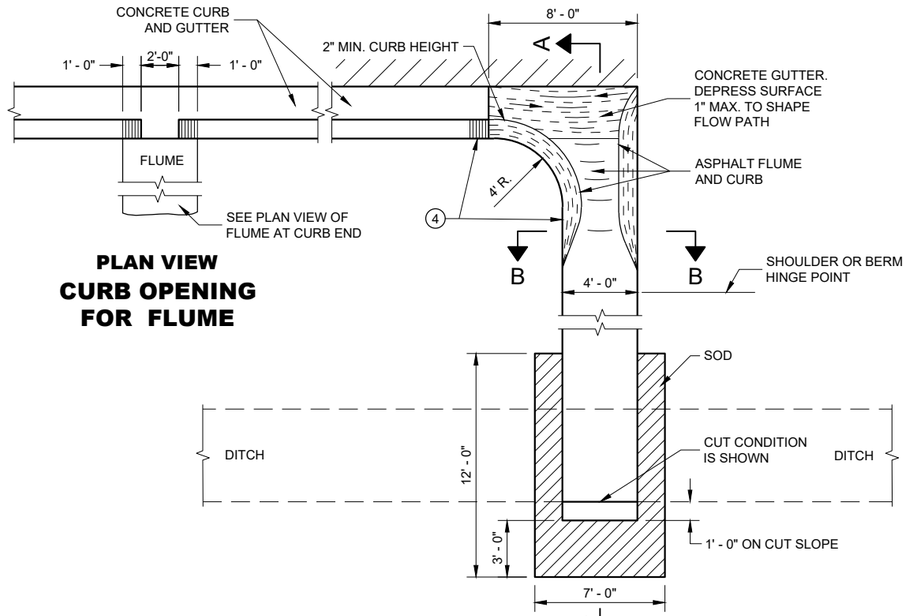
SDD08D01 - 23b

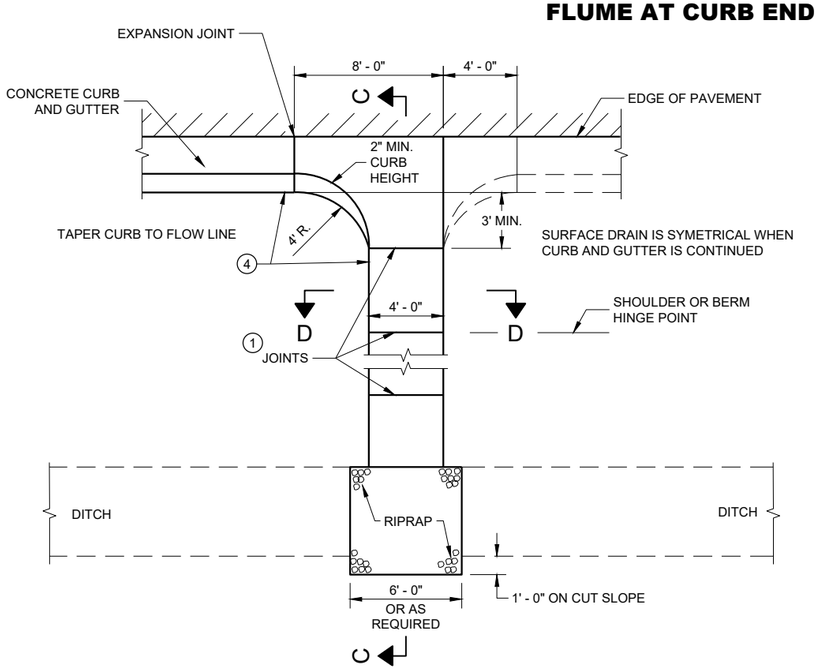
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



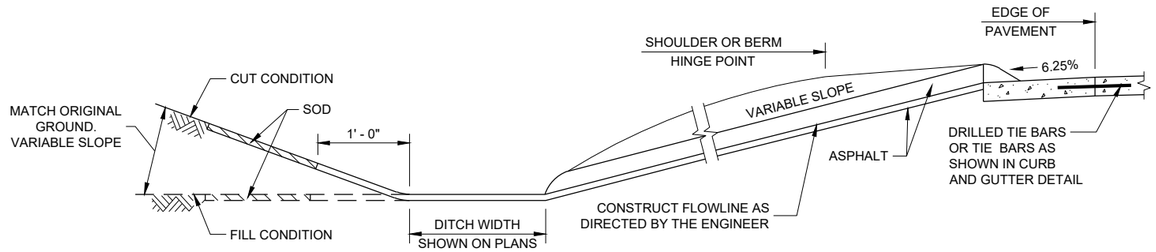
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

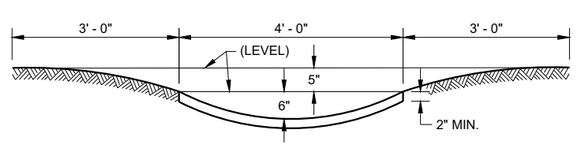
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

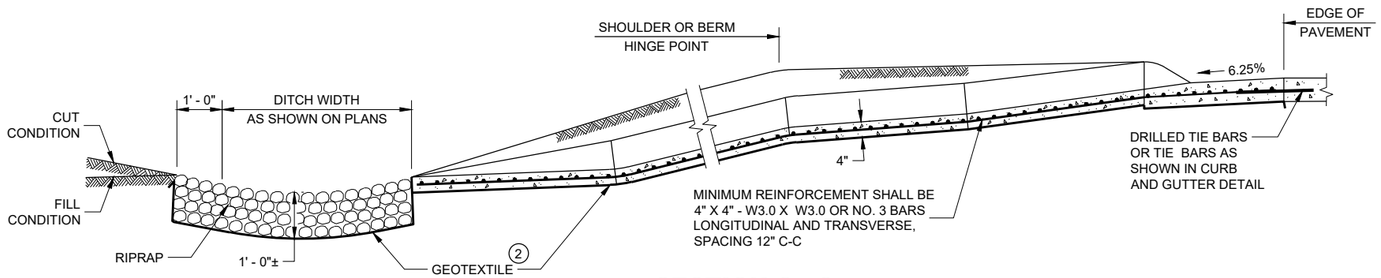
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. 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.



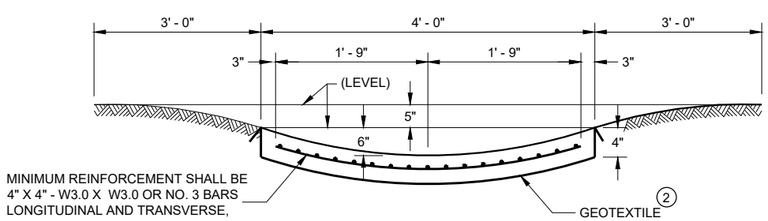
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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SDD 08D04 - 07

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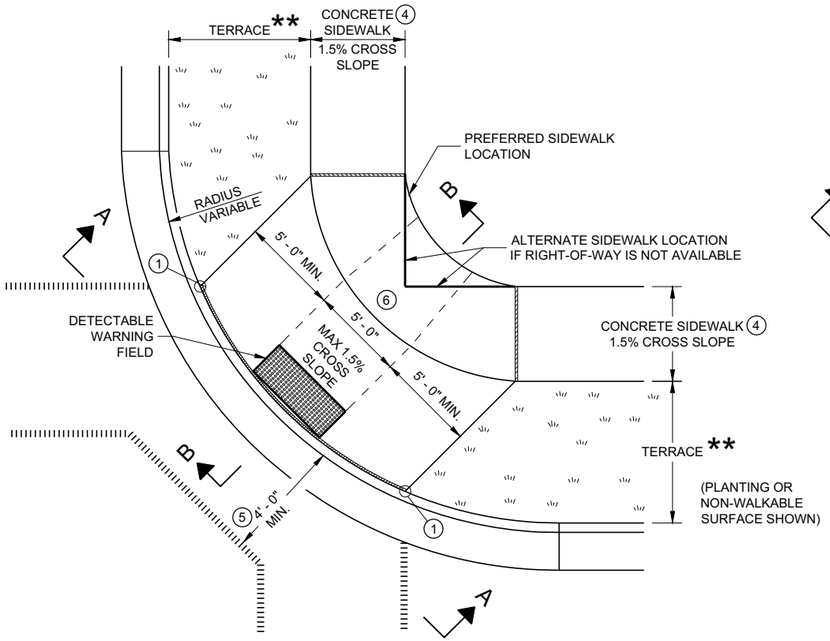
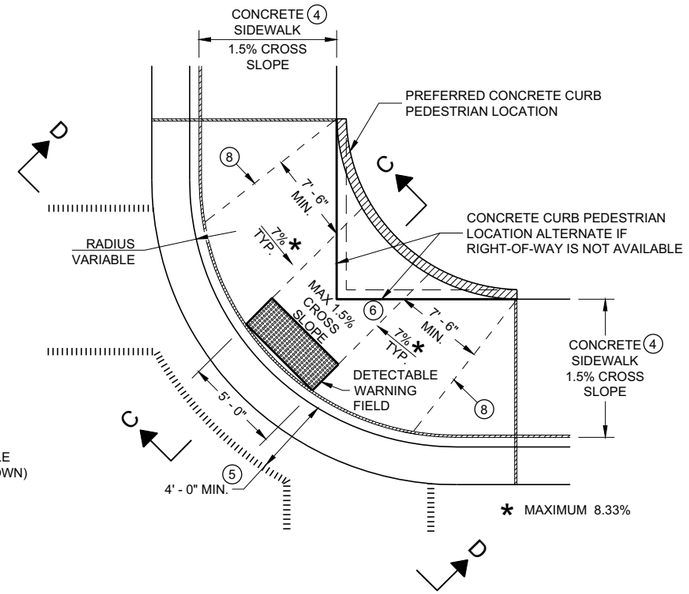
SDD 08D04 - 07



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

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.

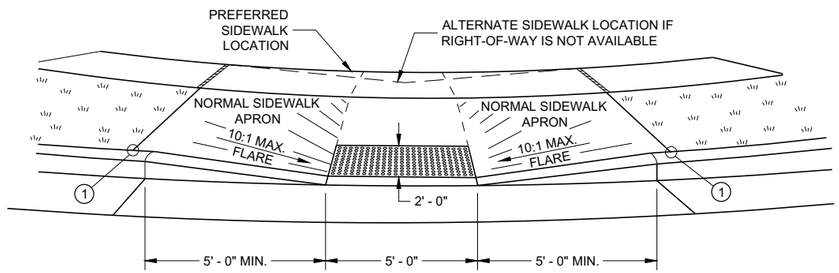
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

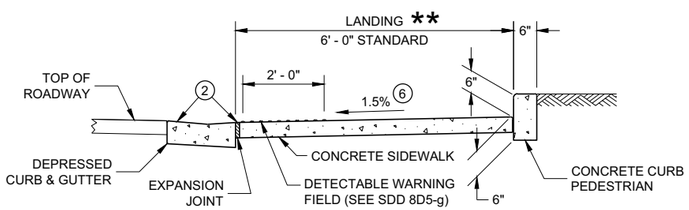
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(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.



VIEW A - A FOR TYPE 1

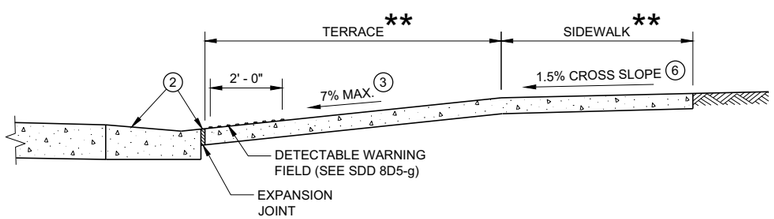


SECTION C - C FOR TYPE 1 - A

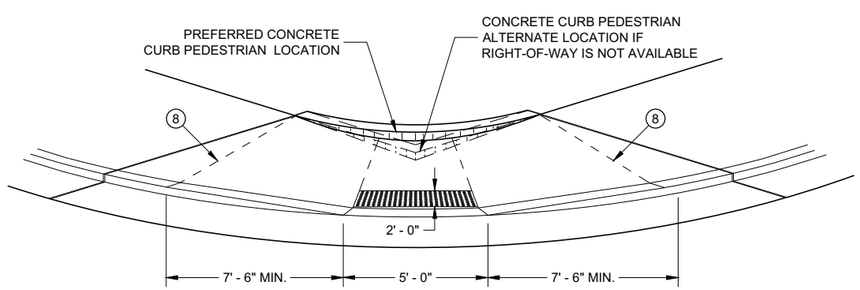
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



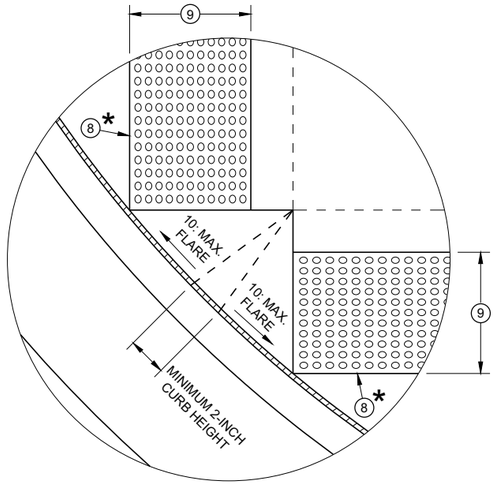
VIEW D - D FOR TYPE 1 - A

CURB RAMPS
TYPE 1 AND 1-A

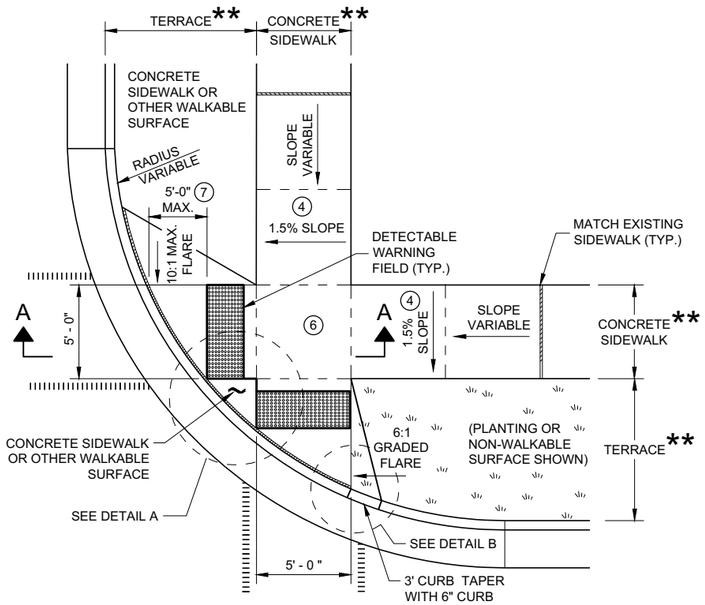
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

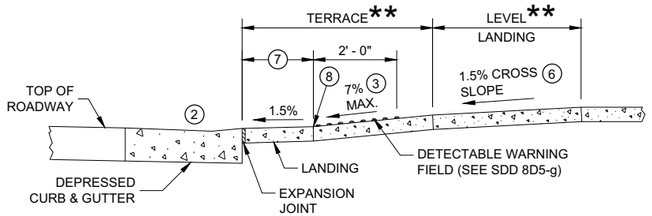
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

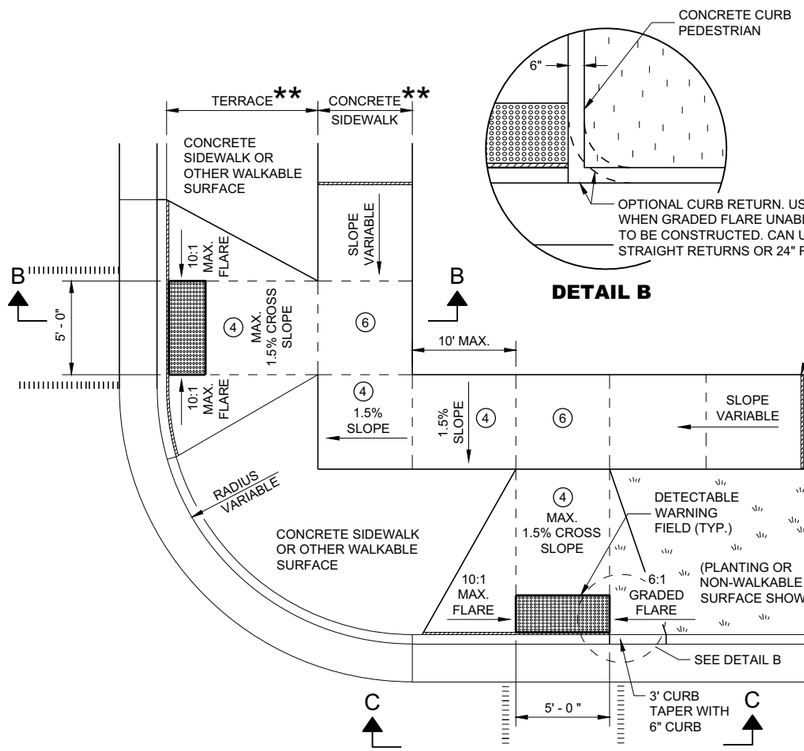
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

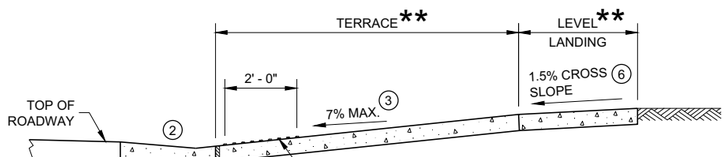
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

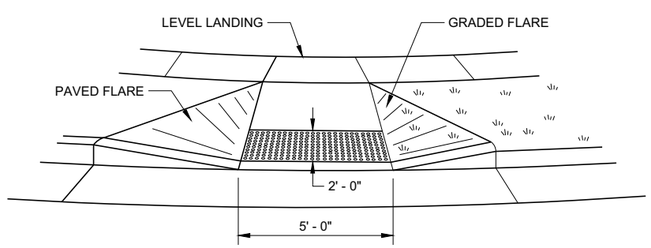


DETAIL B

PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

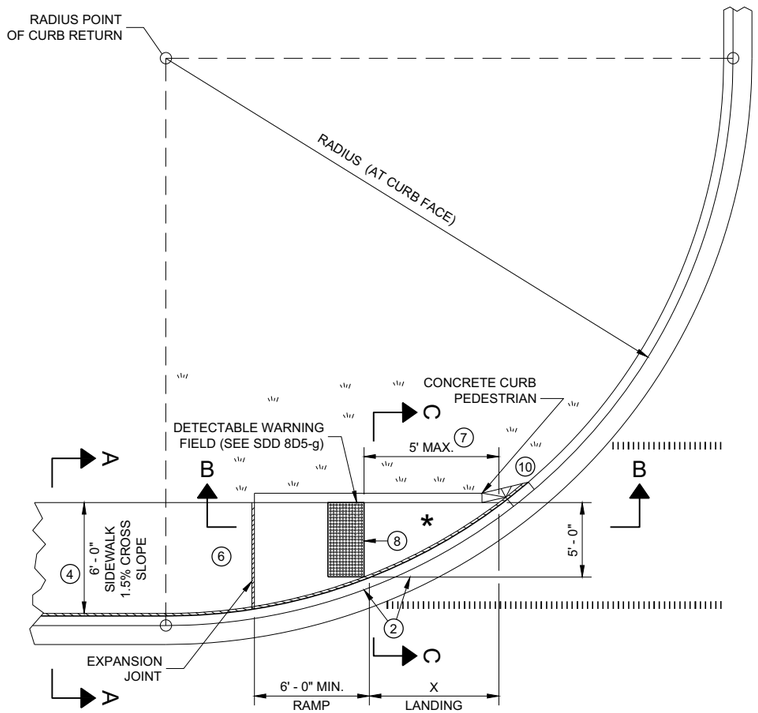
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

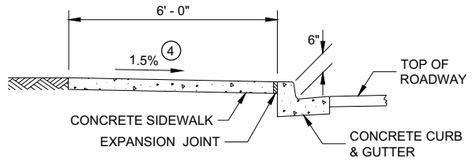


PLAN VIEW

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.

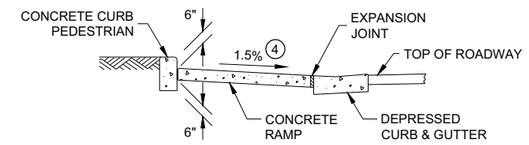
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

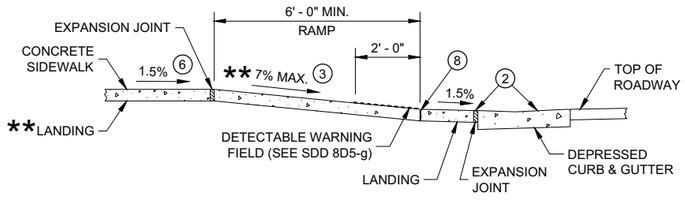
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



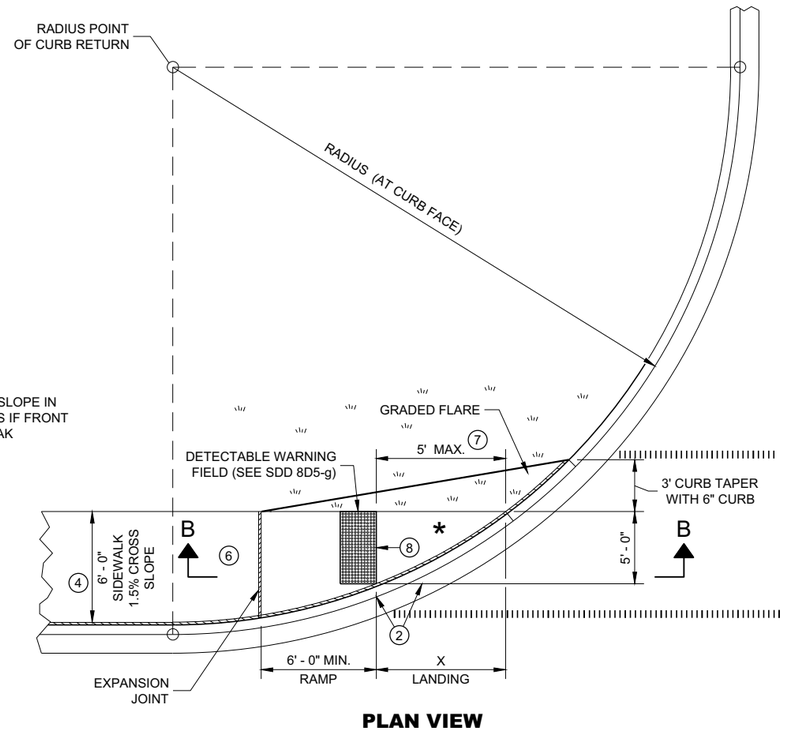
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

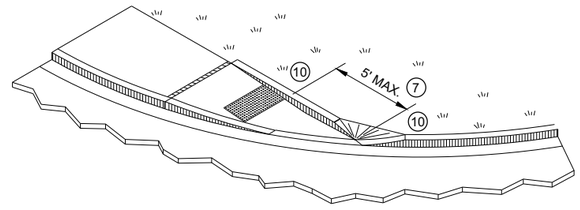
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

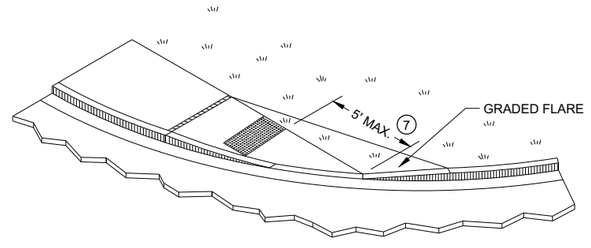


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



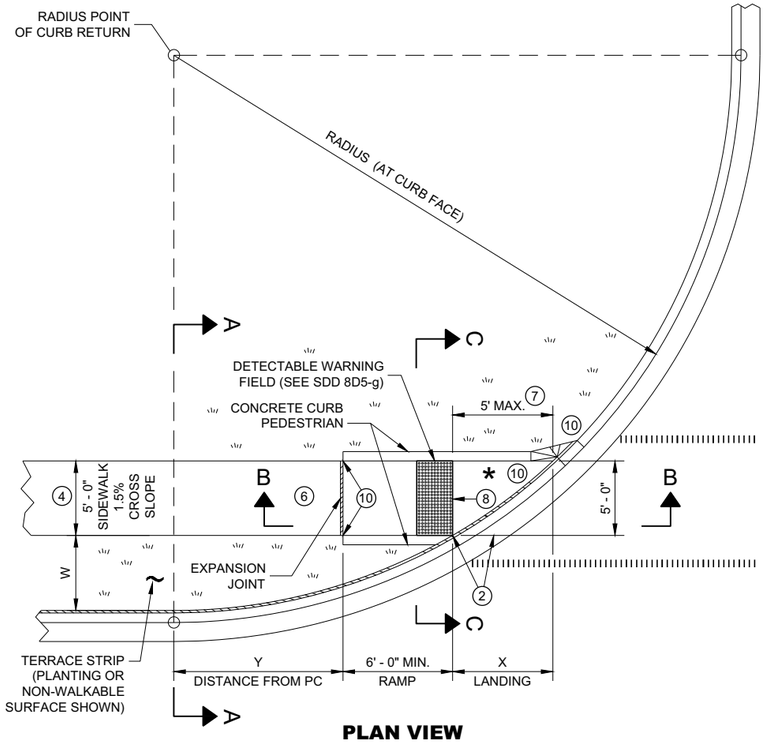
ISOMETRIC VIEW FOR TYPE 4A1

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.

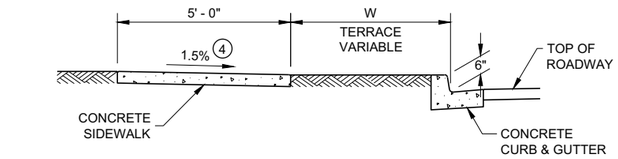
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

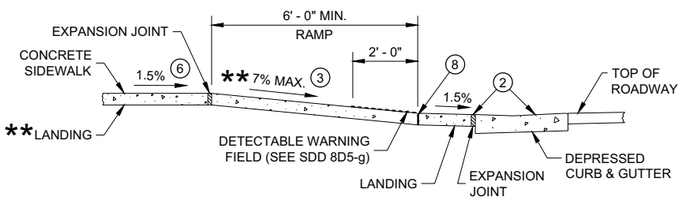
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



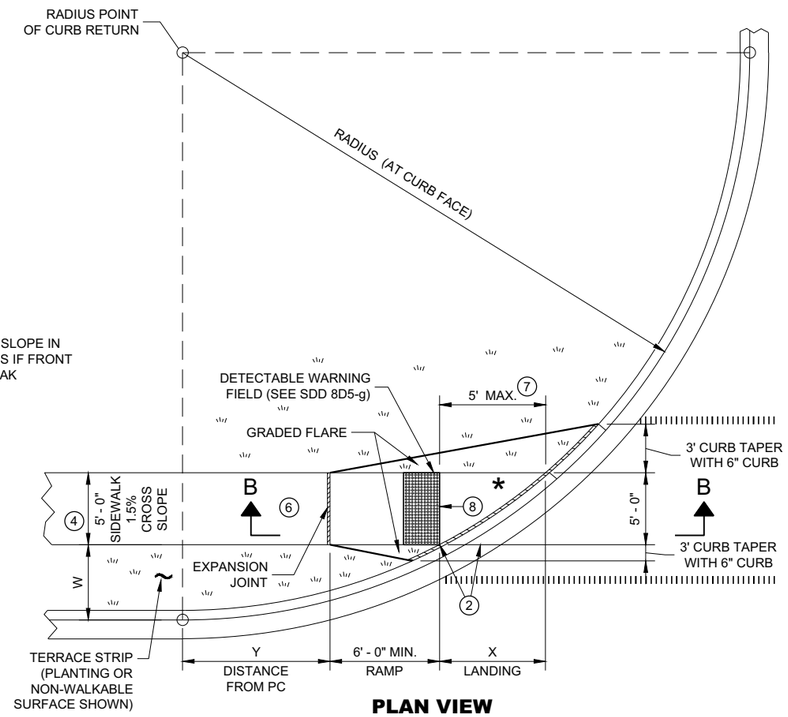
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

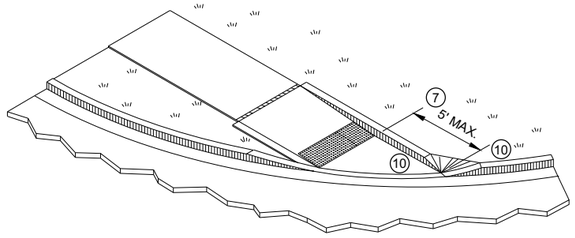
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

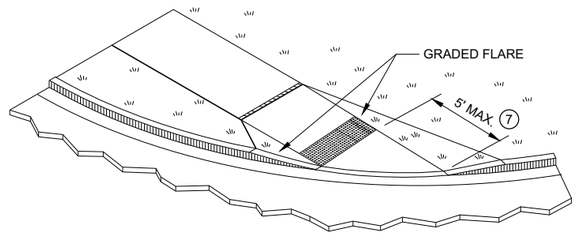


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



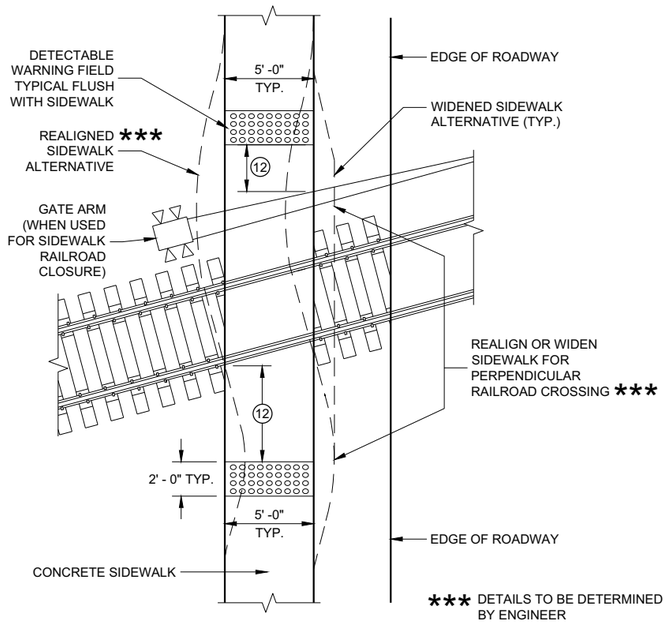
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

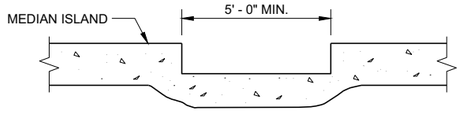
6

SDD 08D05 - 20d

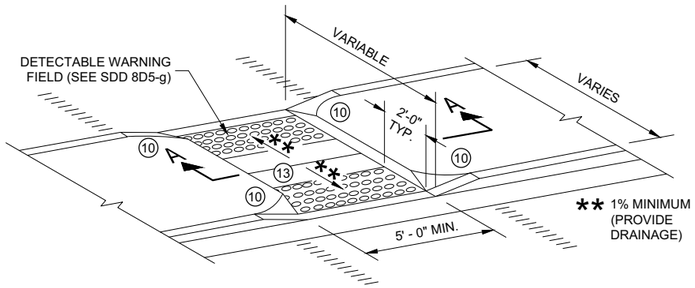


CURB RAMP TYPE 8

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.

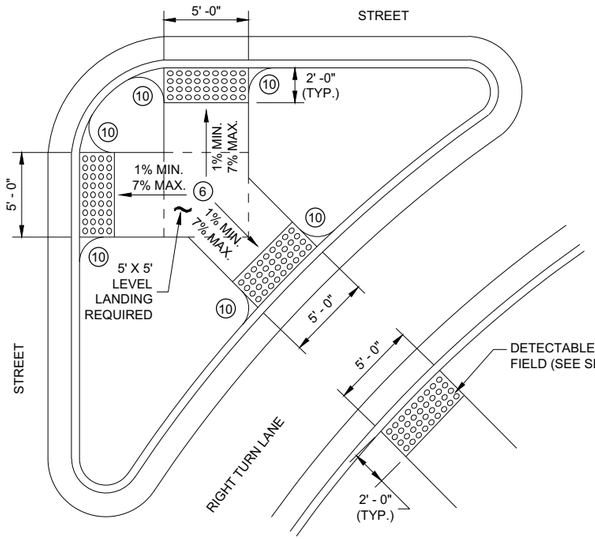
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

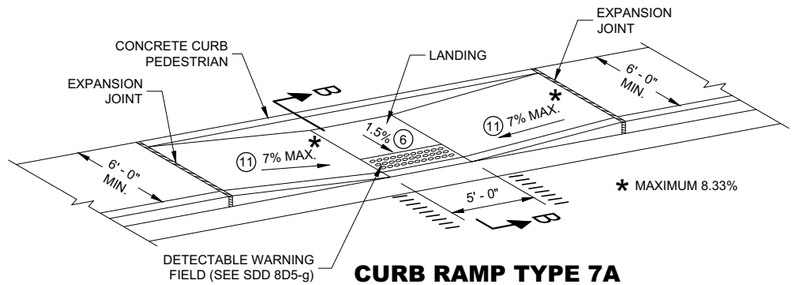
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

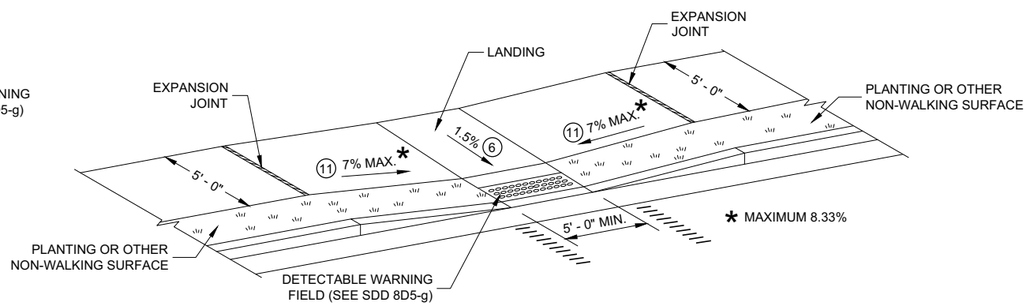
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

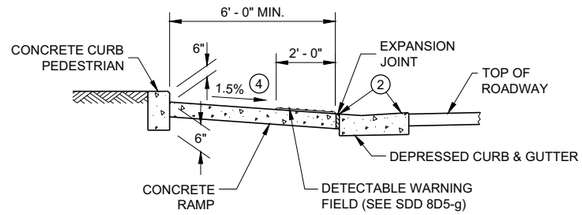
MID BLOCK CROSSING



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

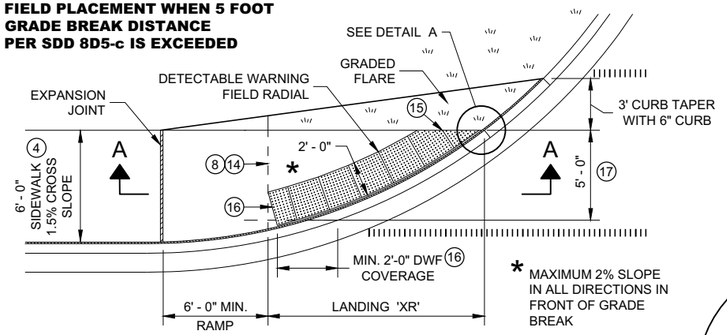
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20e

SDD 08D05 - 20e

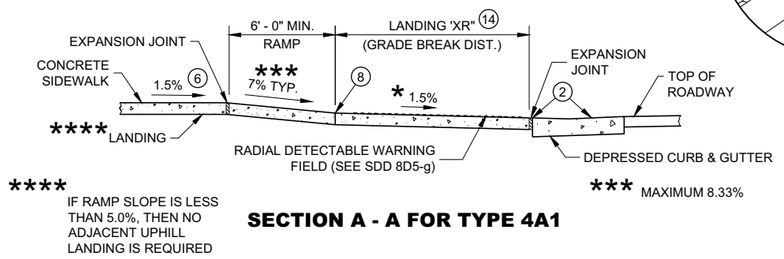
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

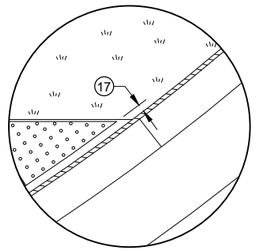
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** 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.

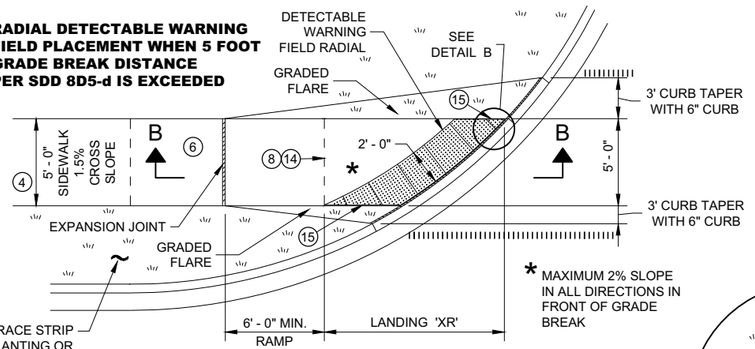
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

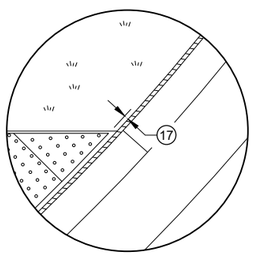
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



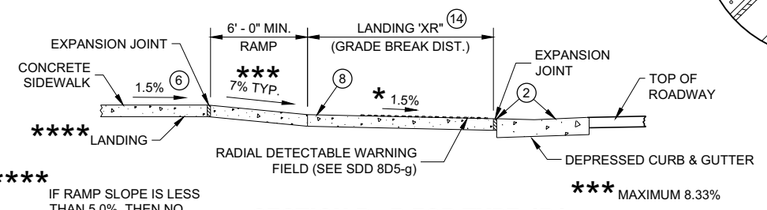
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

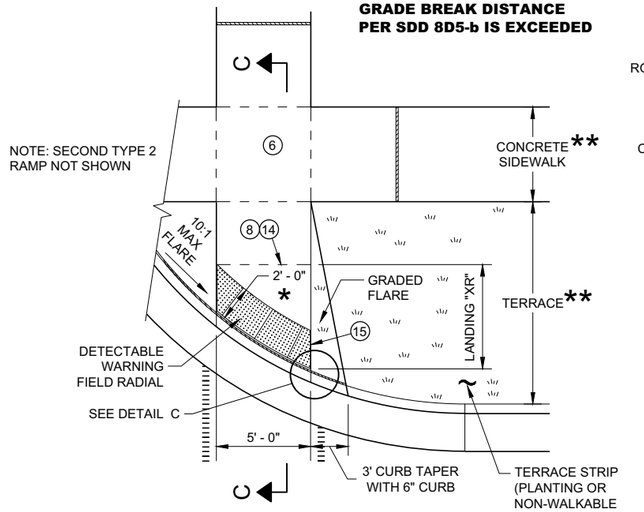


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** 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

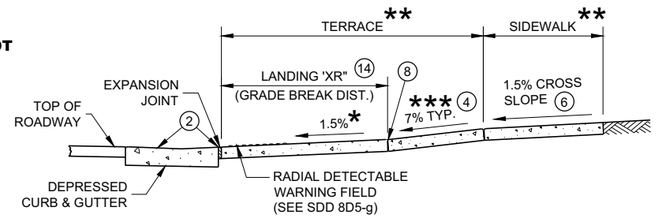


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

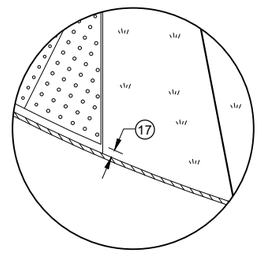


SECTION C - C FOR TYPE 2

* 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

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SDD 08D05 - 20f

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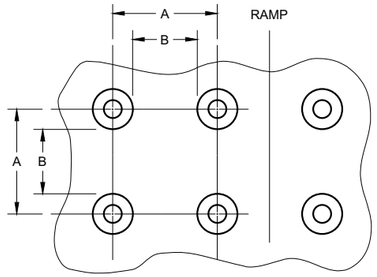
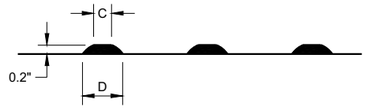
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

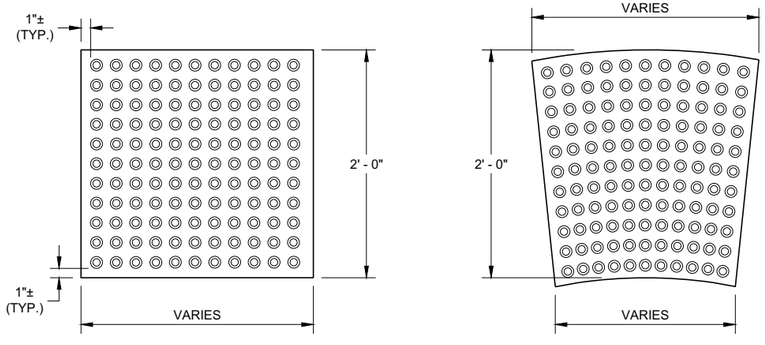


PLAN VIEW



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.

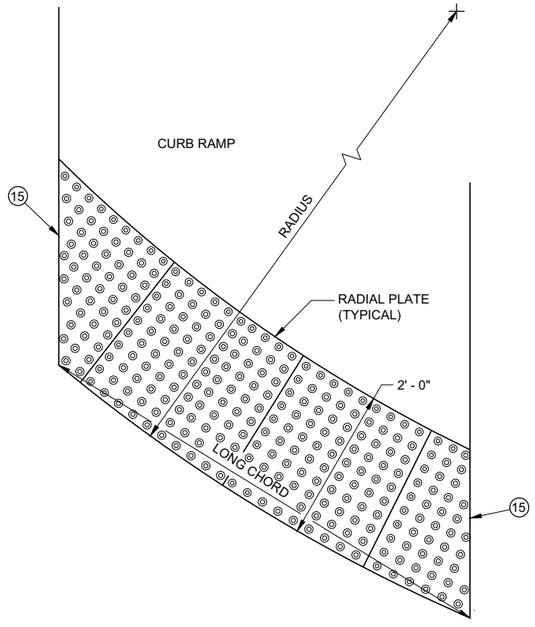
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

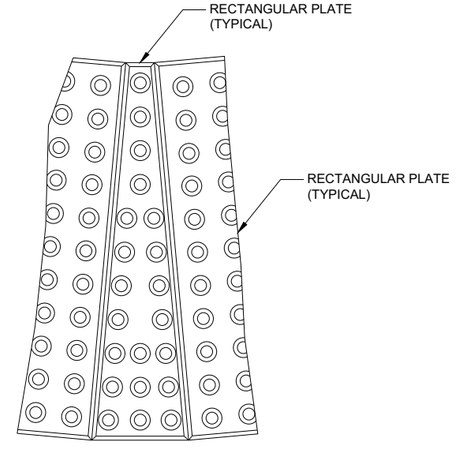
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

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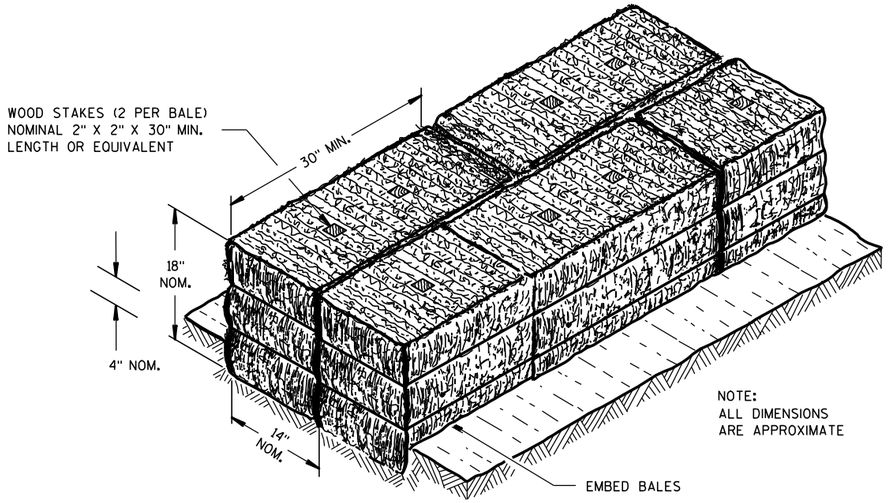
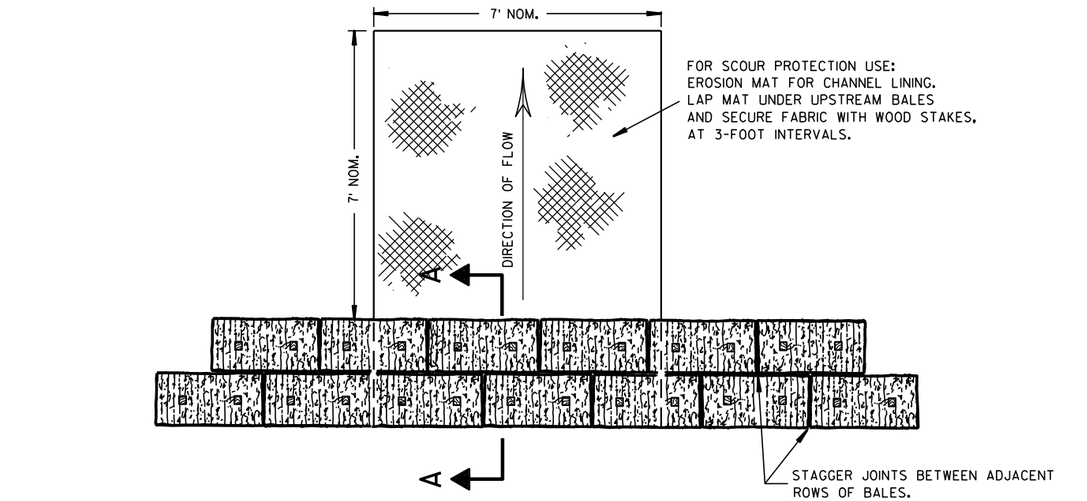
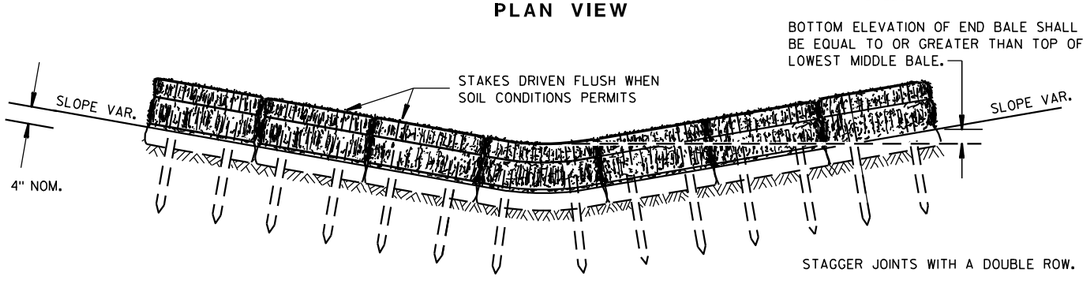
SDD 08D05 - 20g



SECTION A-A



PLAN VIEW



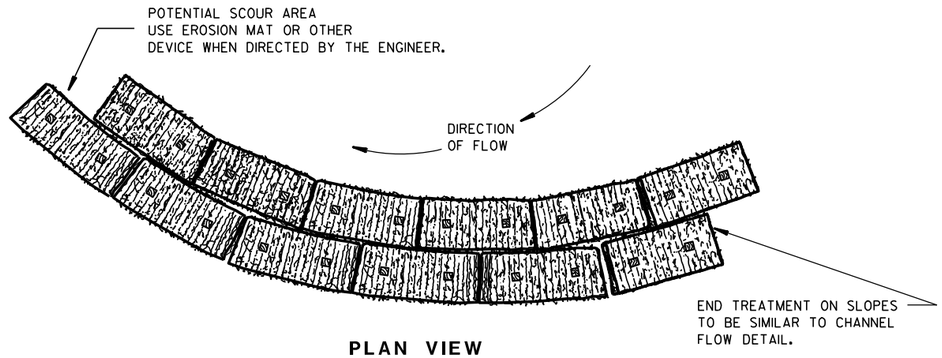
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

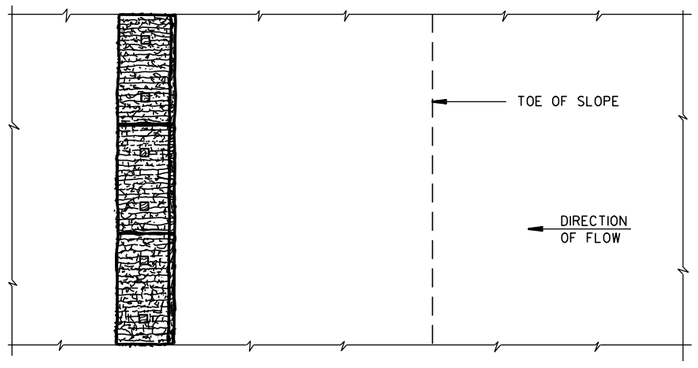
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

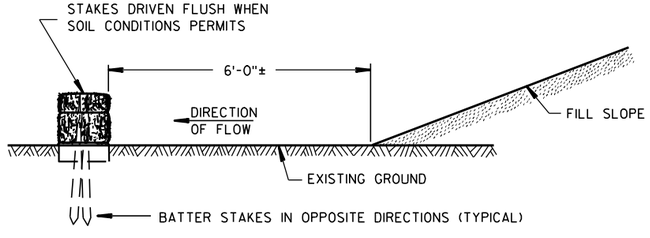


PLAN VIEW

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

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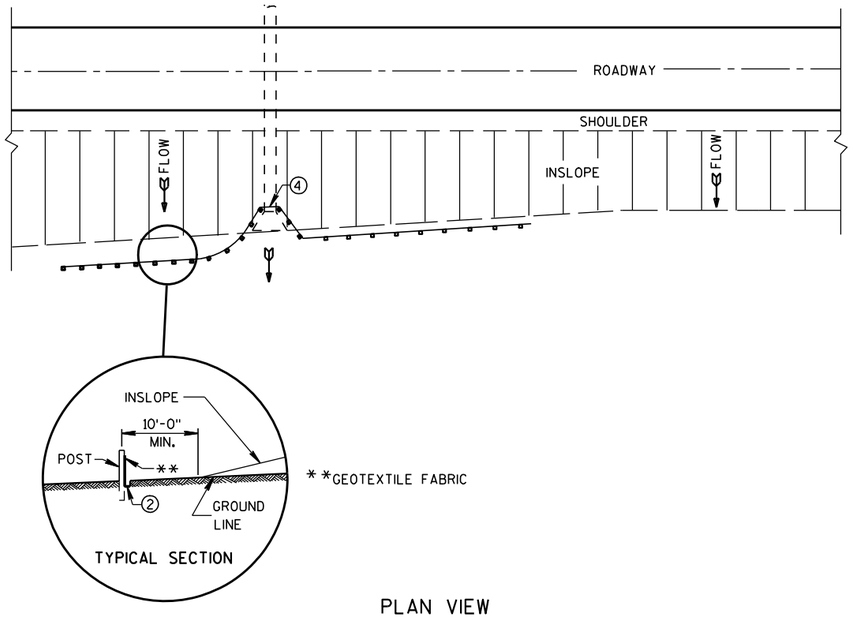
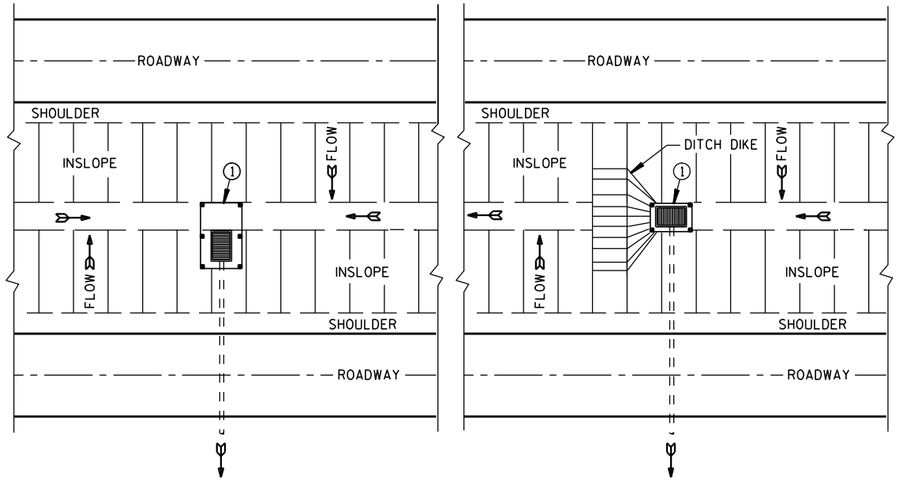
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



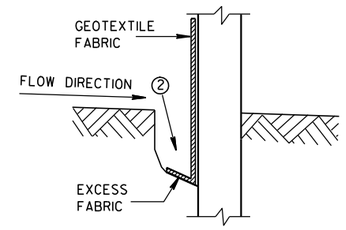
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

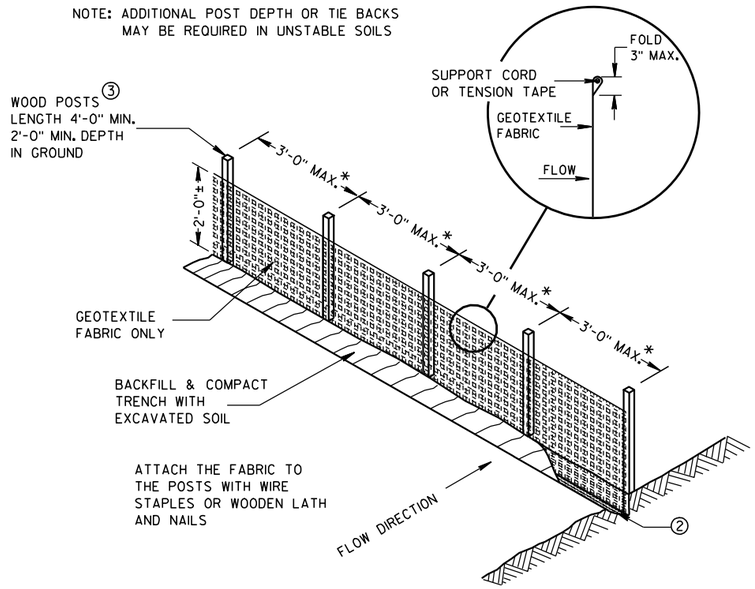
GENERAL NOTES

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

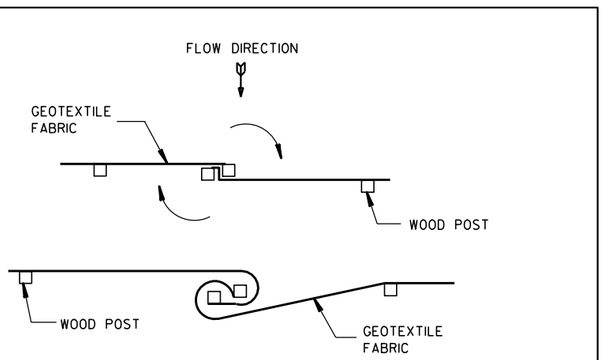
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



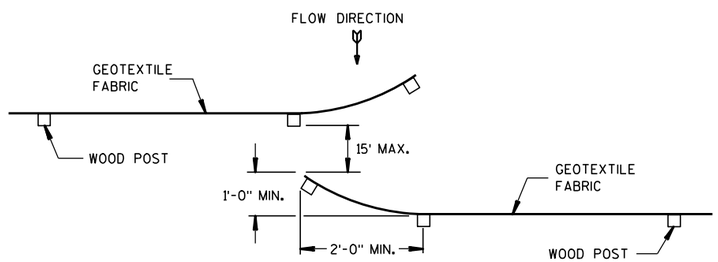
TRENCH DETAIL



SILT FENCE

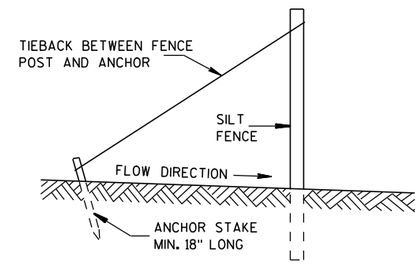


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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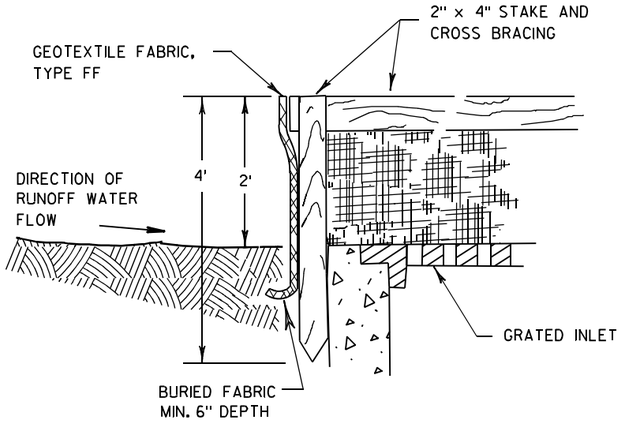
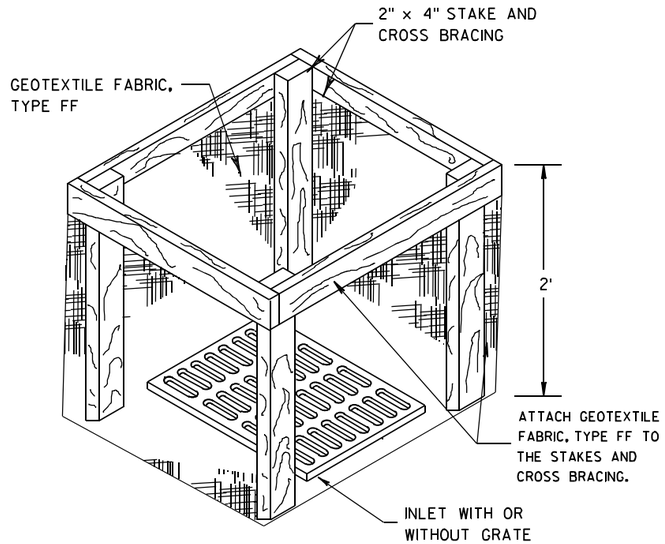
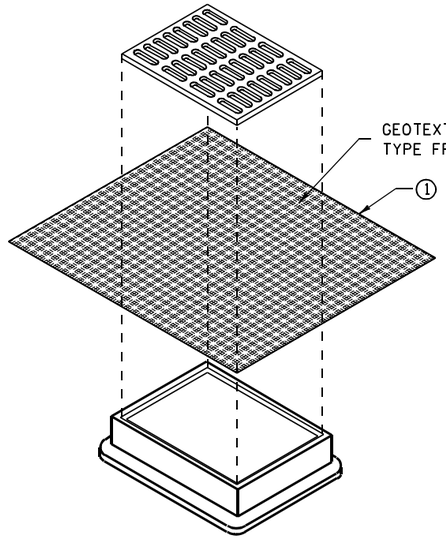


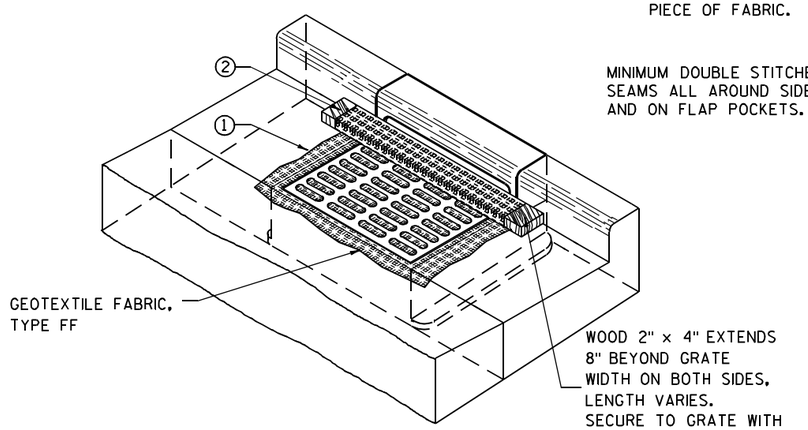


INLET PROTECTION, TYPE A

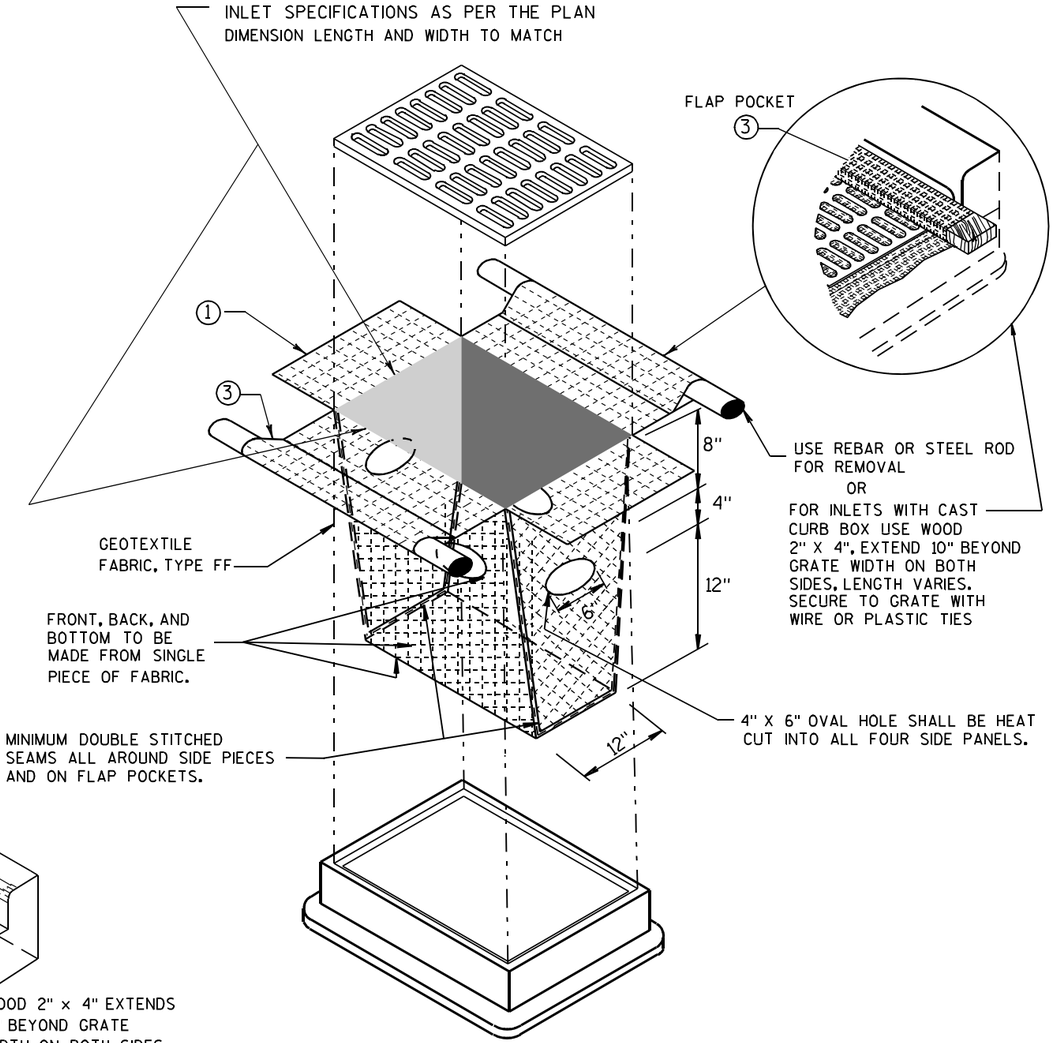


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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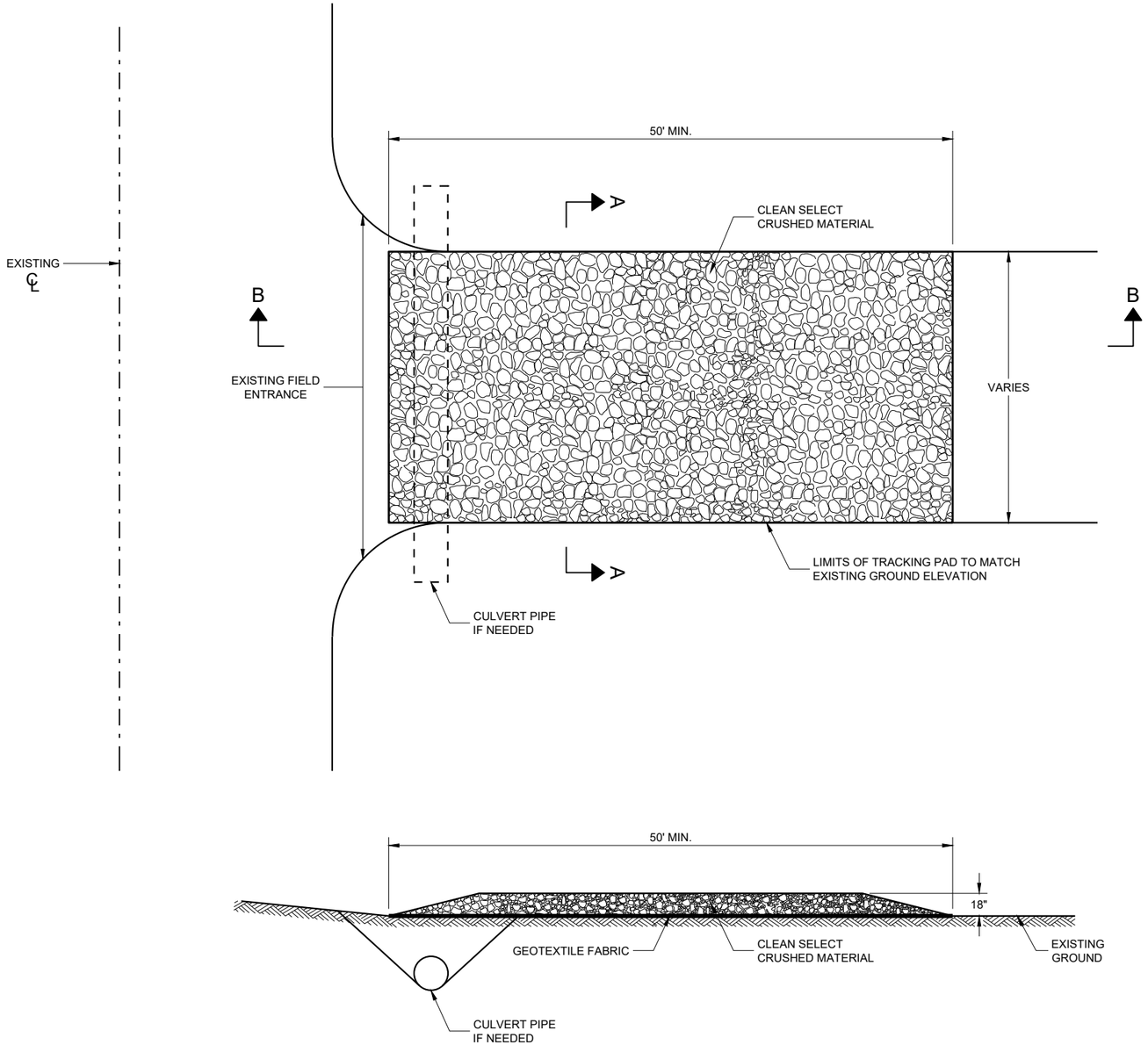
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

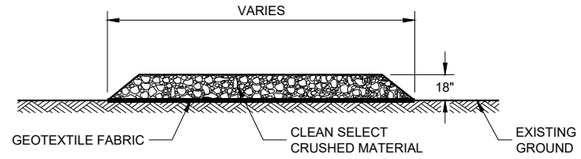
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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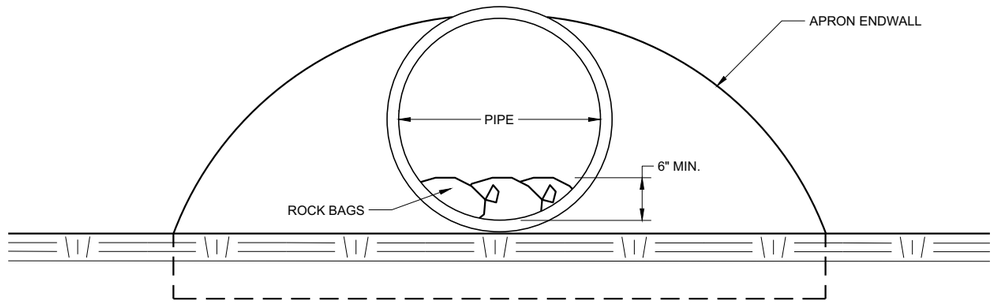
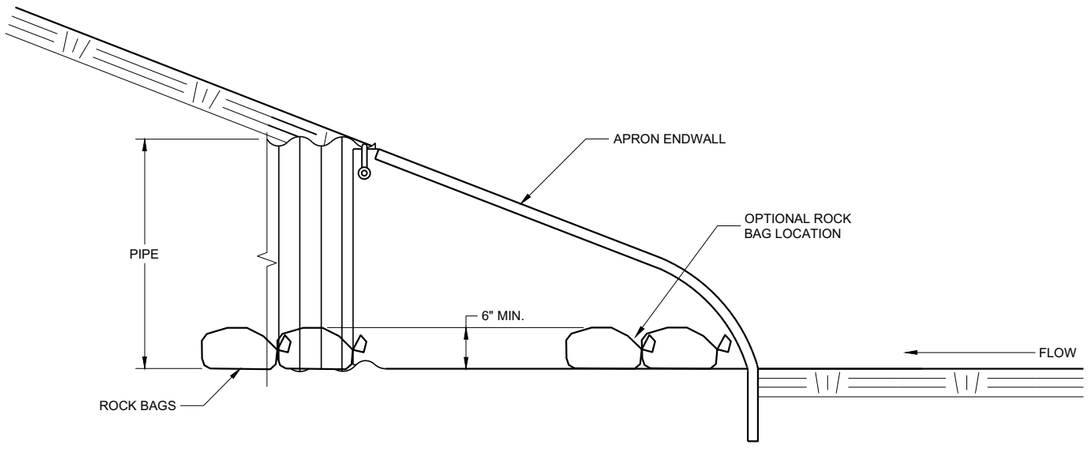
SDD 08E14 - 01



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

METAL APRON ENDWALLS

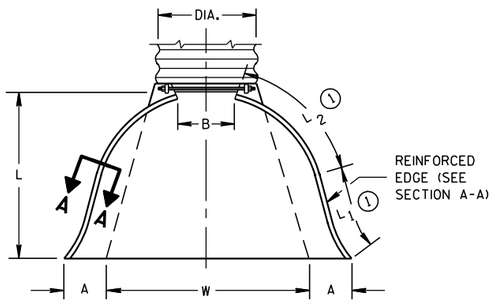
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

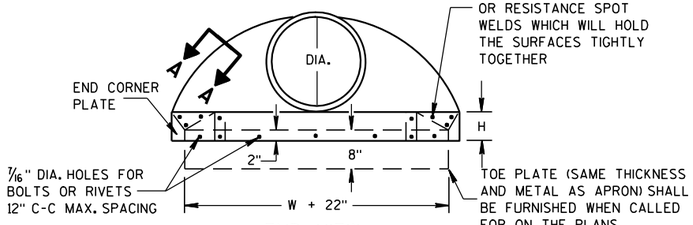
REINFORCED CONCRETE APRON ENDWALLS

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

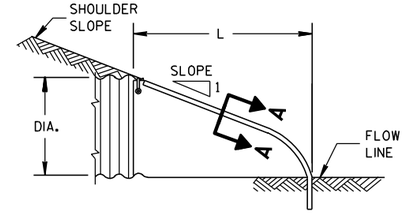
*MINIMUM
**MAXIMUM



PLAN VIEW

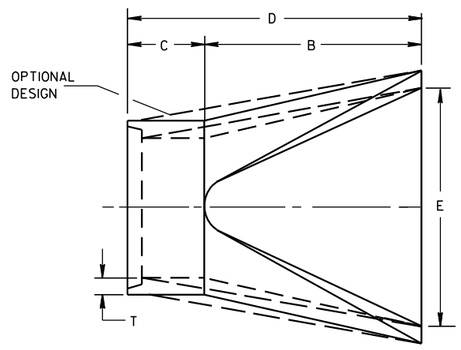


END VIEW

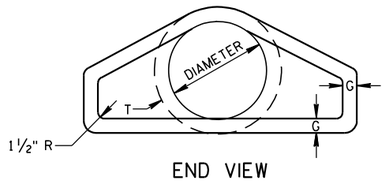


SIDE ELEVATION

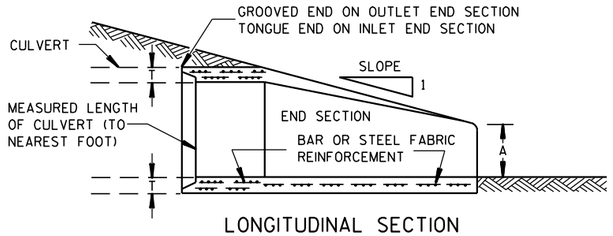
METAL ENDWALLS



PLAN

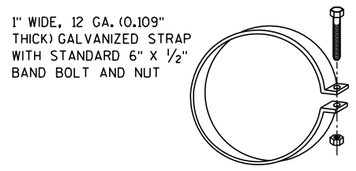


END VIEW



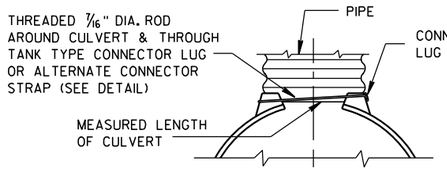
LONGITUDINAL SECTION

CONCRETE ENDWALLS

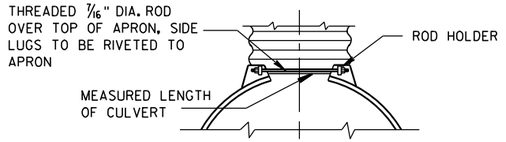


ALTERNATE FOR TYPE 1 CONNECTION

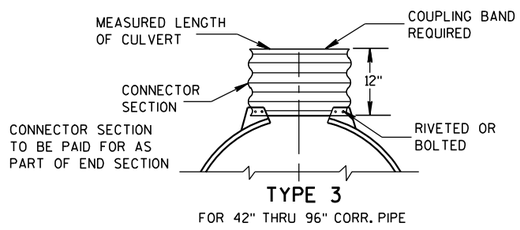
END SECTION CONNECTOR STRAP



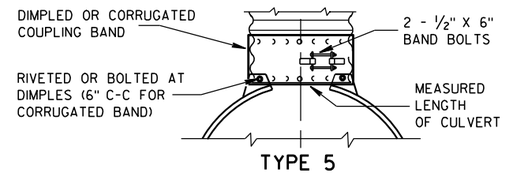
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

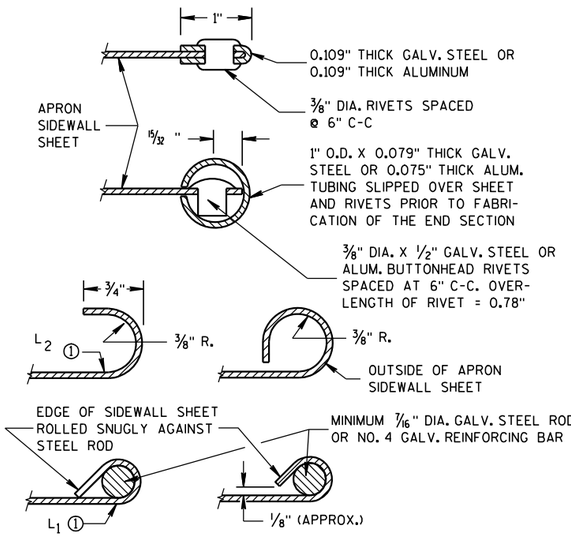
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

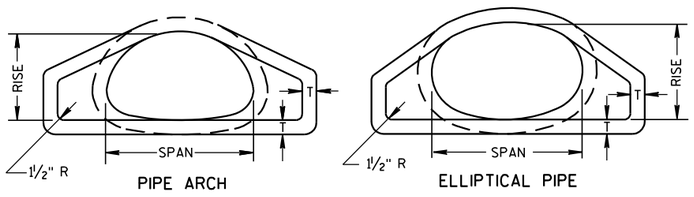
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

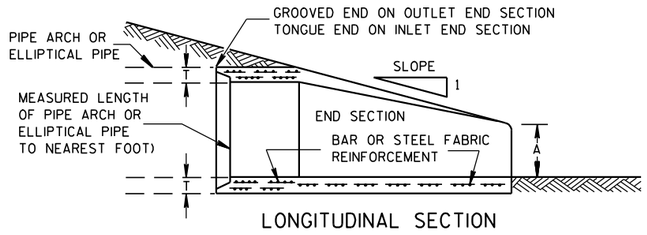
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

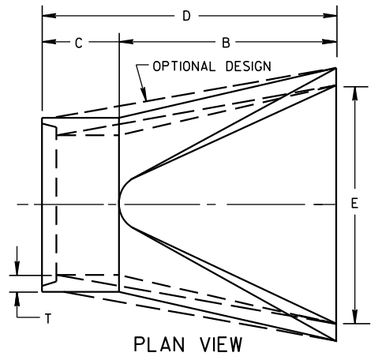
S.D.D. 8 F 1-11



END VIEW

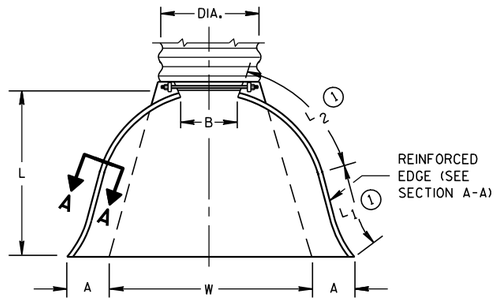


LONGITUDINAL SECTION

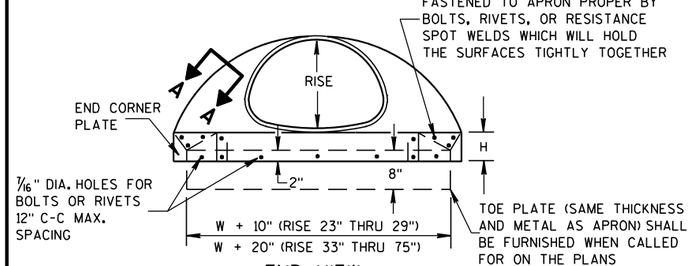


PLAN VIEW

CONCRETE ENDWALLS

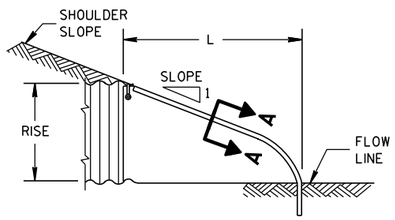


PLAN VIEW



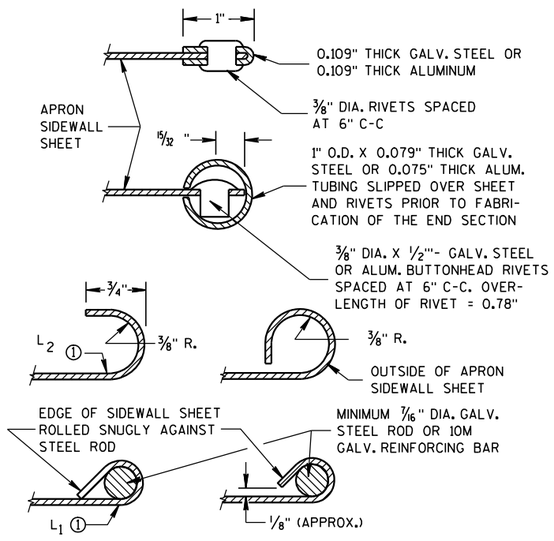
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

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

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.

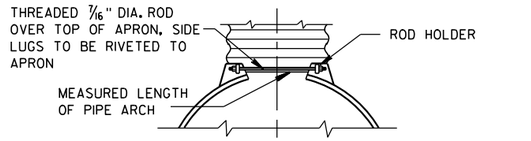
CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

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.

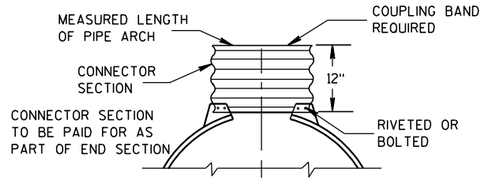
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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.



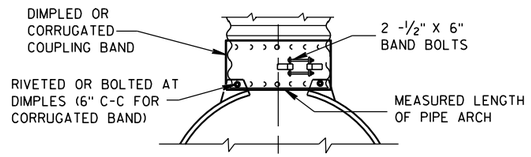
TYPE 2

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

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

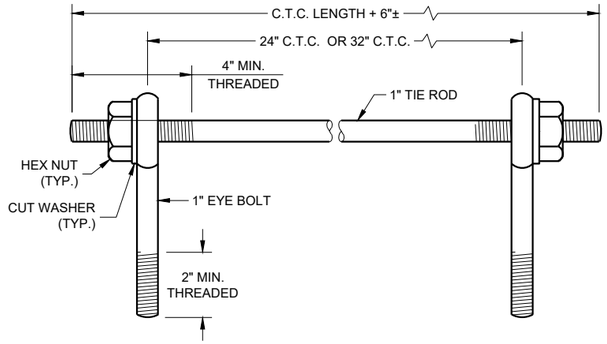
FHWA

6

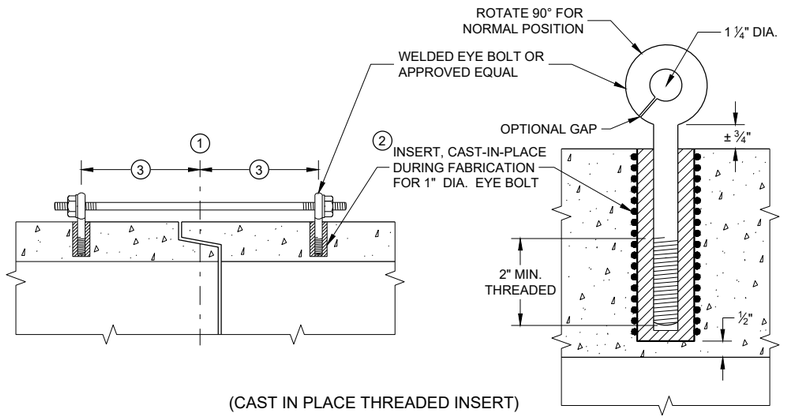
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

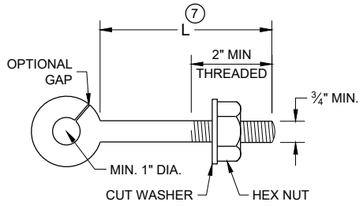
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

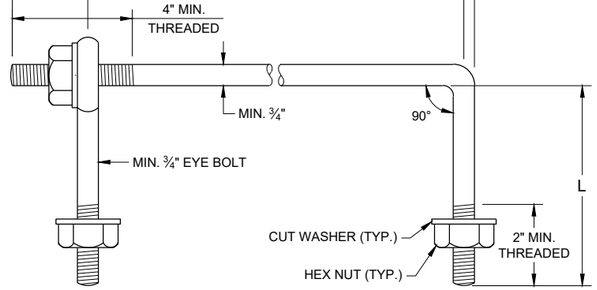
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

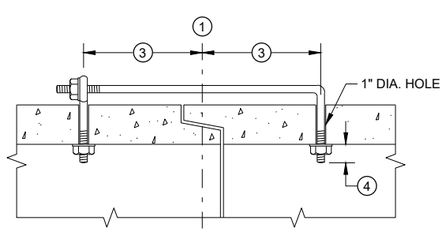


EYE BOLT (7)

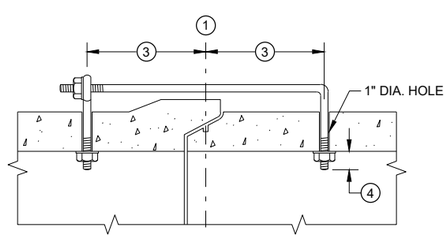
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

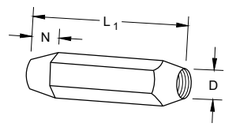
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



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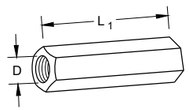
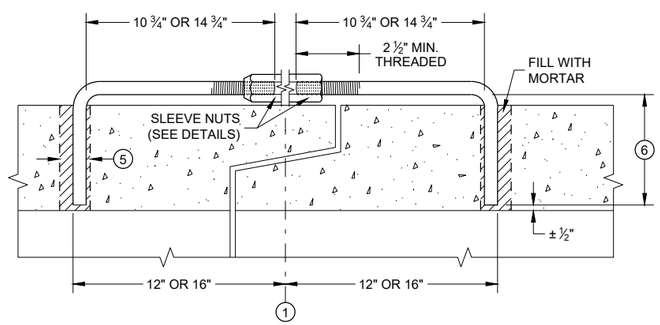


PLAIN

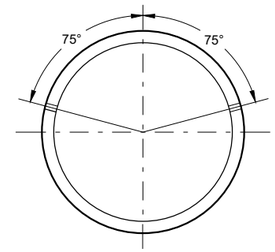
RIGHT AND LEFT THREADS

SLEEVE NUTS



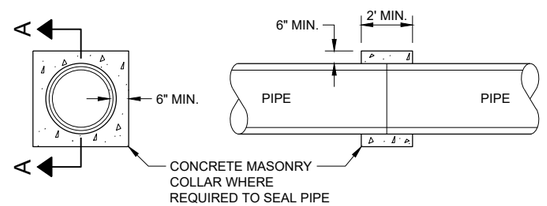
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

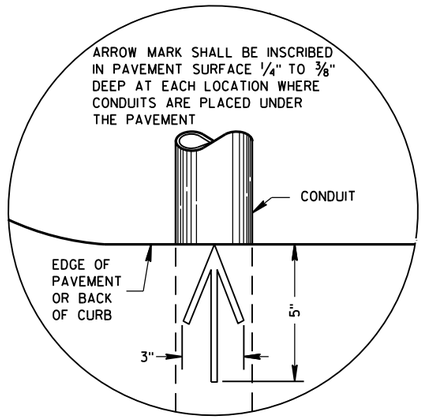
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

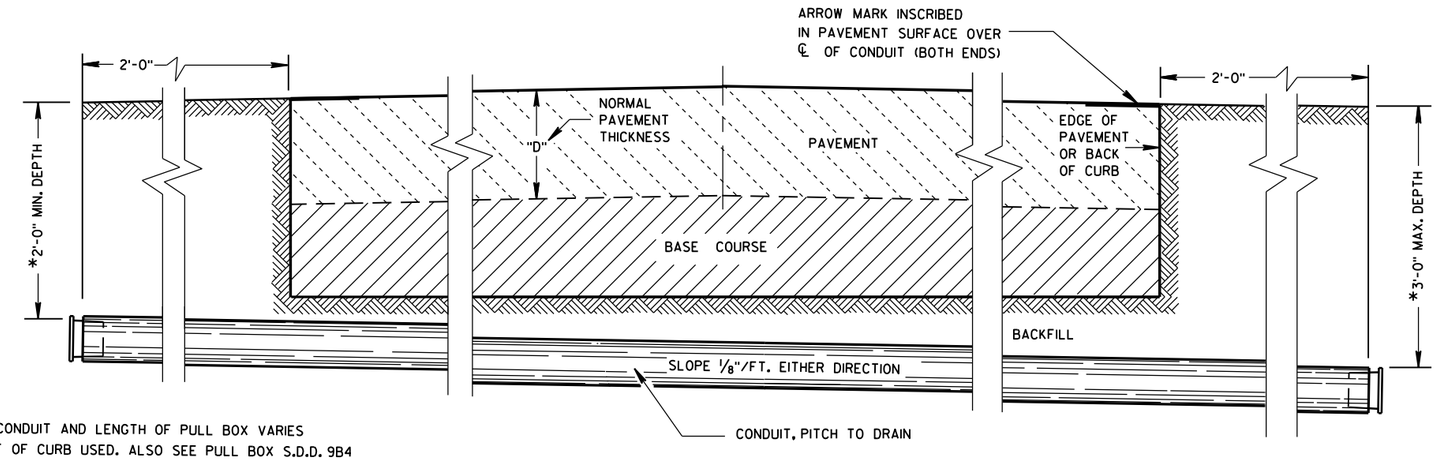
SDD 08F04 - 08

SDD 08F04 - 08



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

6

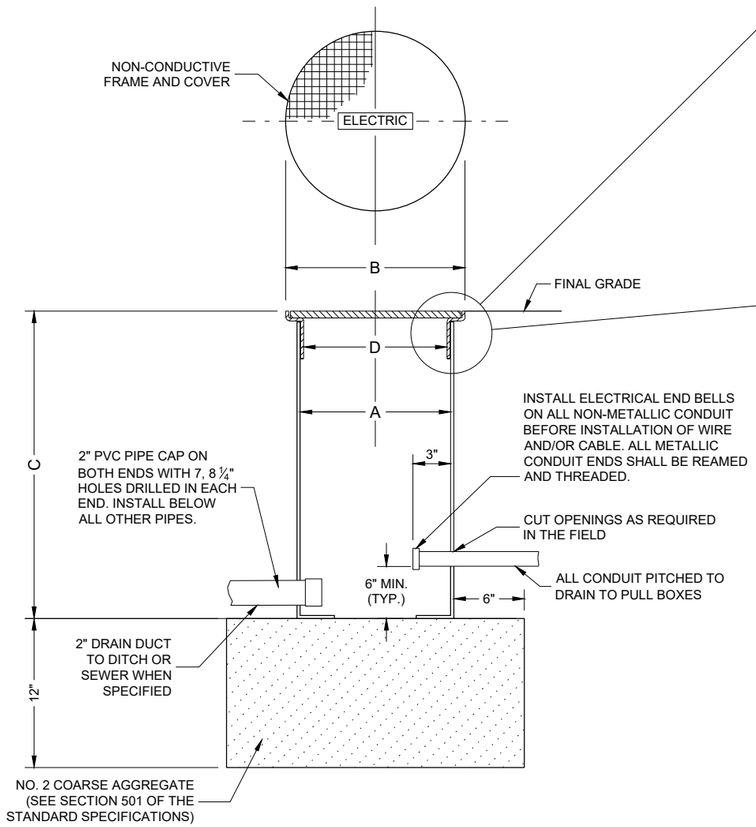
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

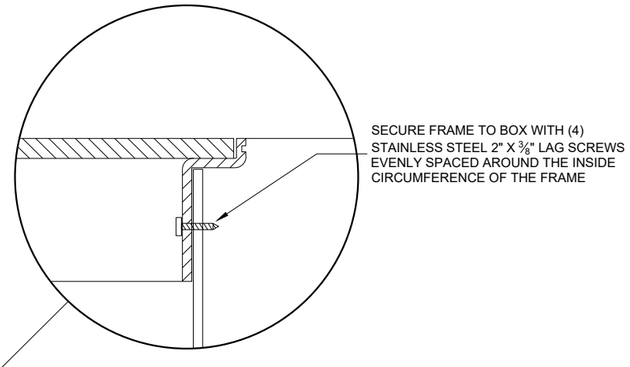
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

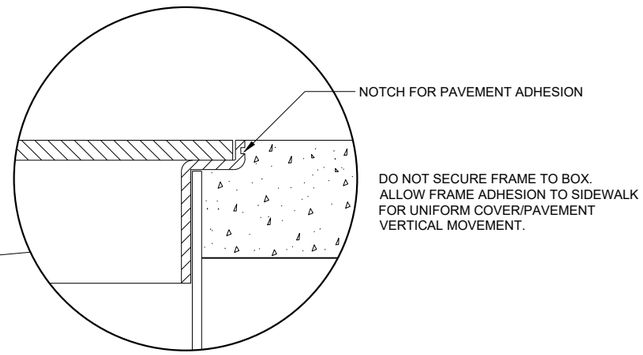
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



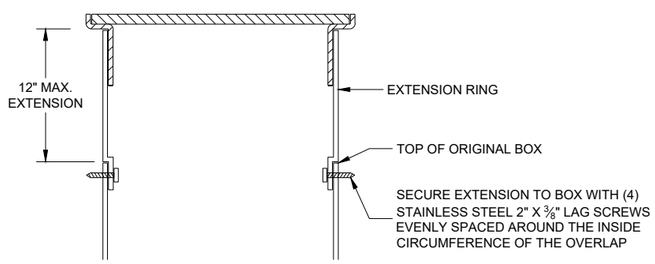
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

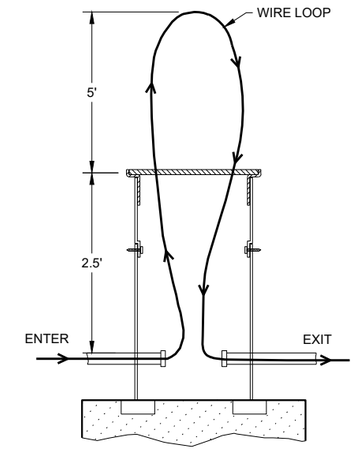
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

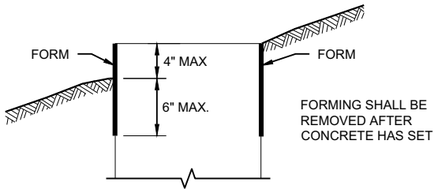
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

6

SDD 09B16 - 02

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.

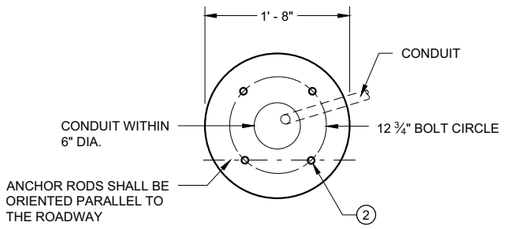
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

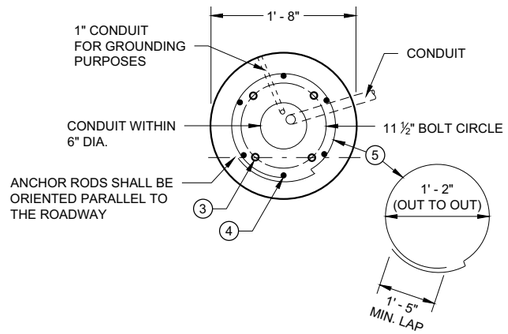
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

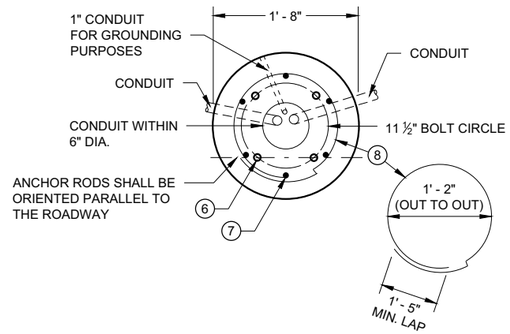
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

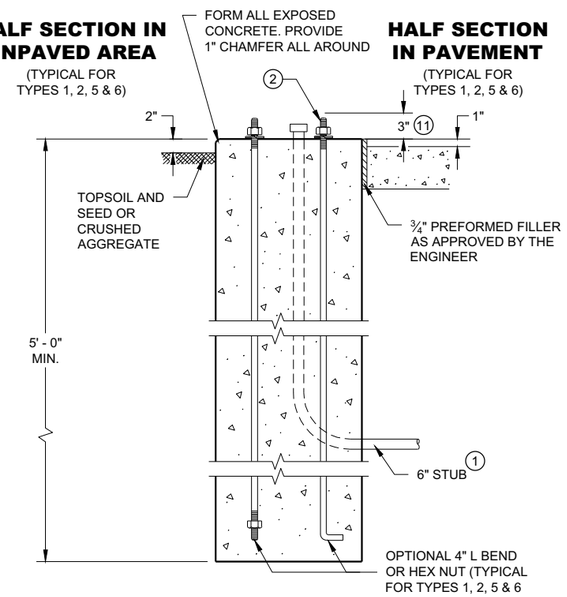
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

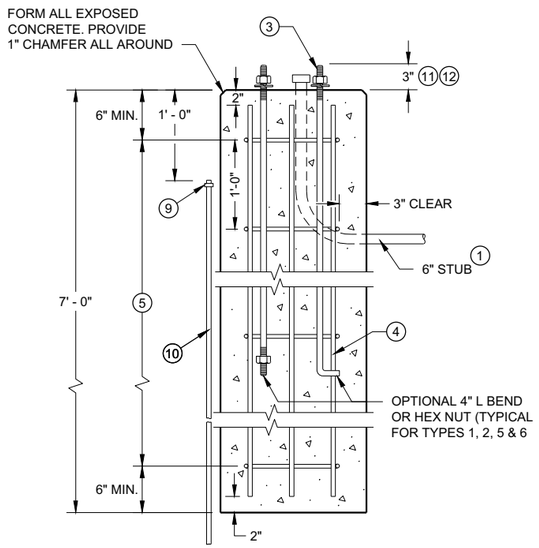
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

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



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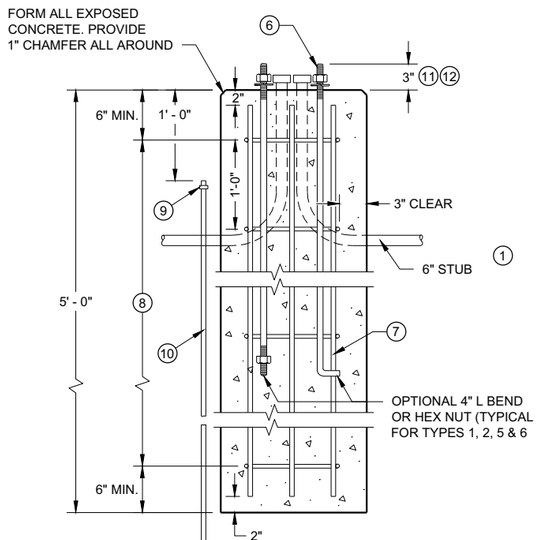


TYPE 5 & 6

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 154
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

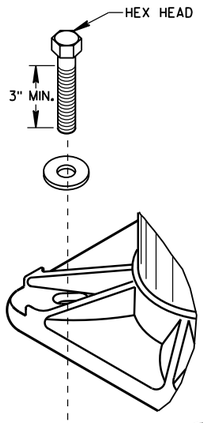
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

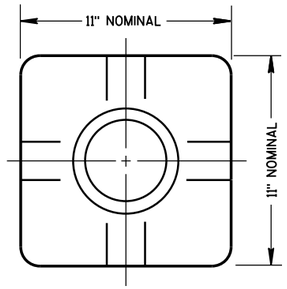
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

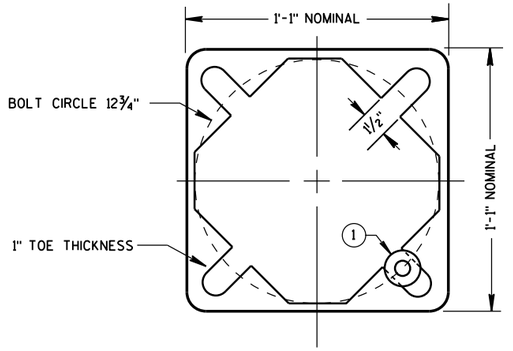
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

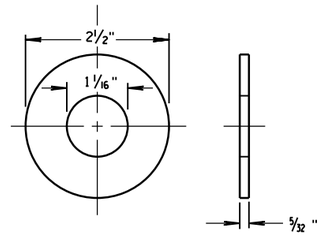




TOP VIEW
(PEDESTAL BASE)

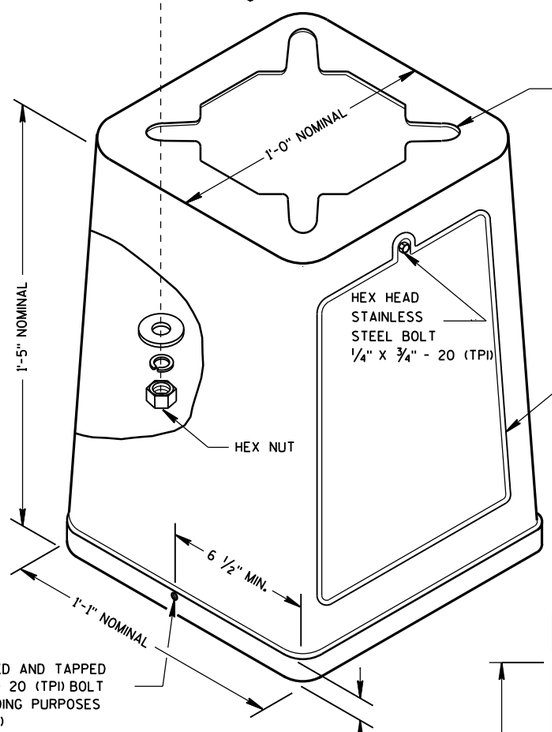


BOTTOM VIEW
(PEDESTAL BASE)

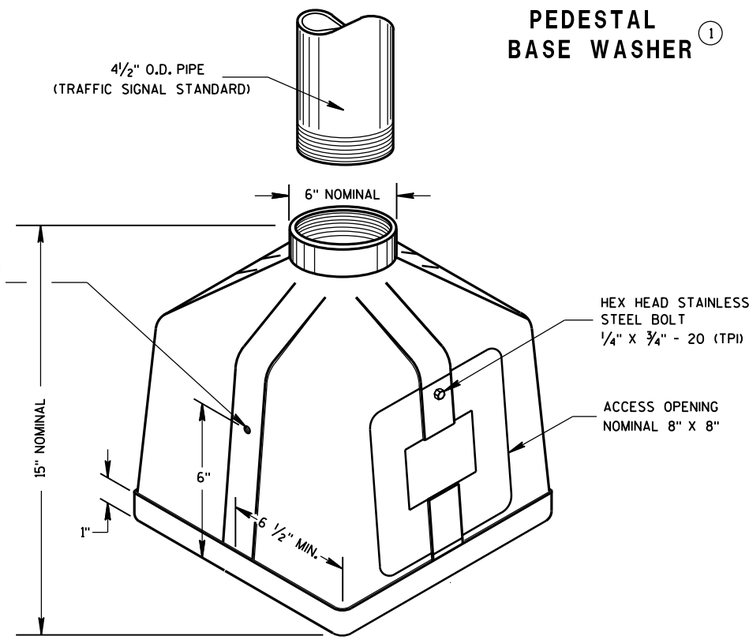


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

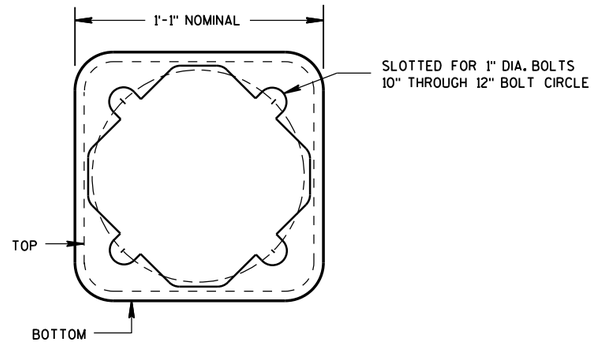
PEDESTAL BASE WASHER (1)



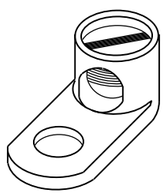
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE

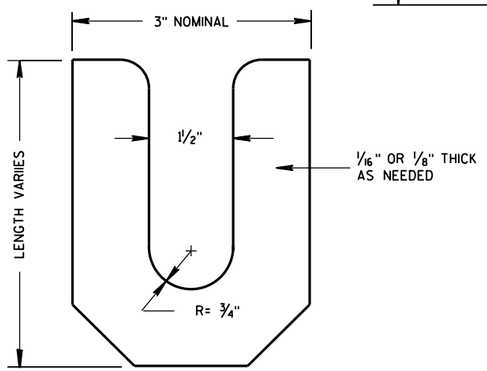


BOTTOM VIEW
(TRANSFORMER BASE)



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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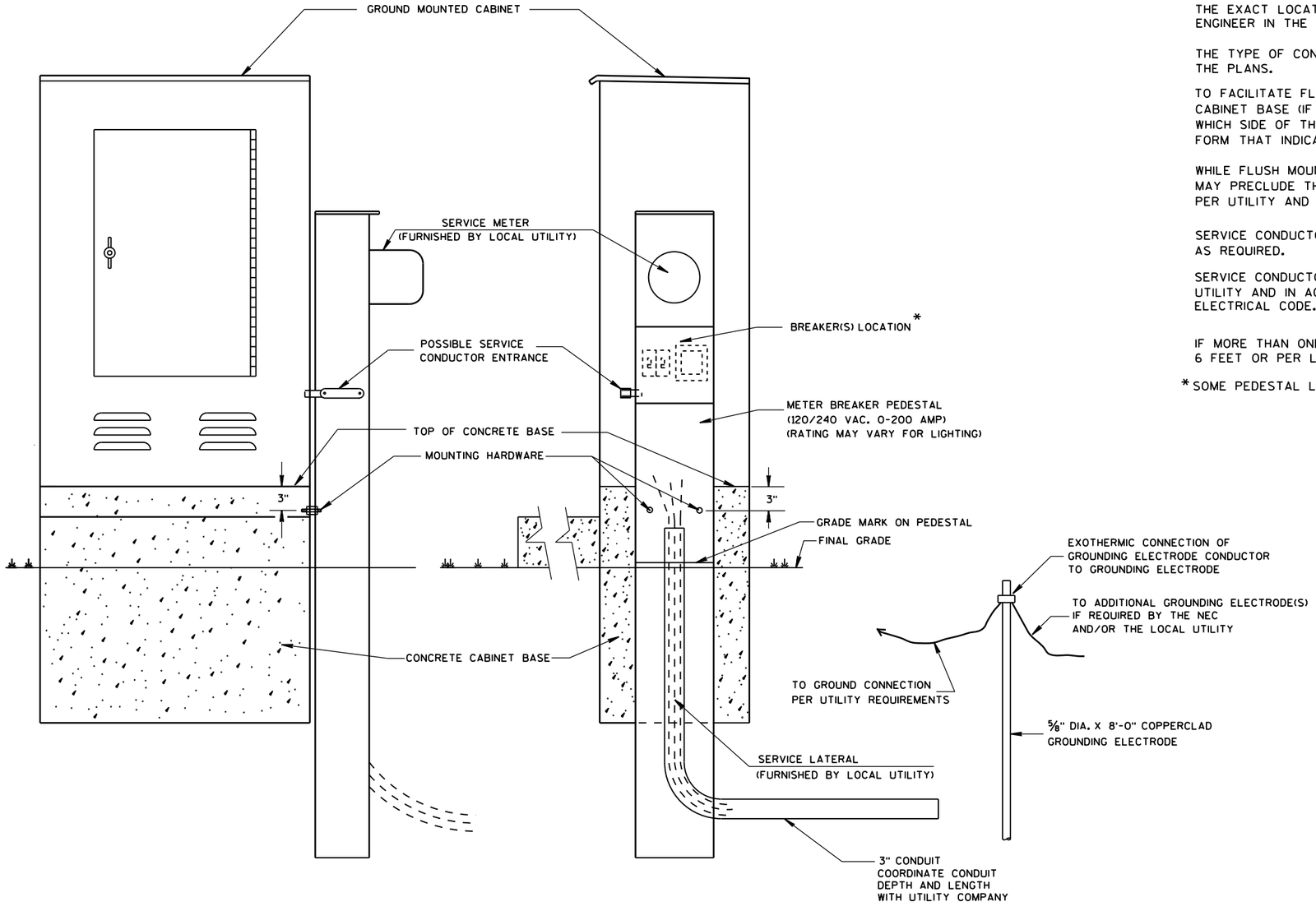

TYPICAL CABINET SERVICE INSTALLATION

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.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
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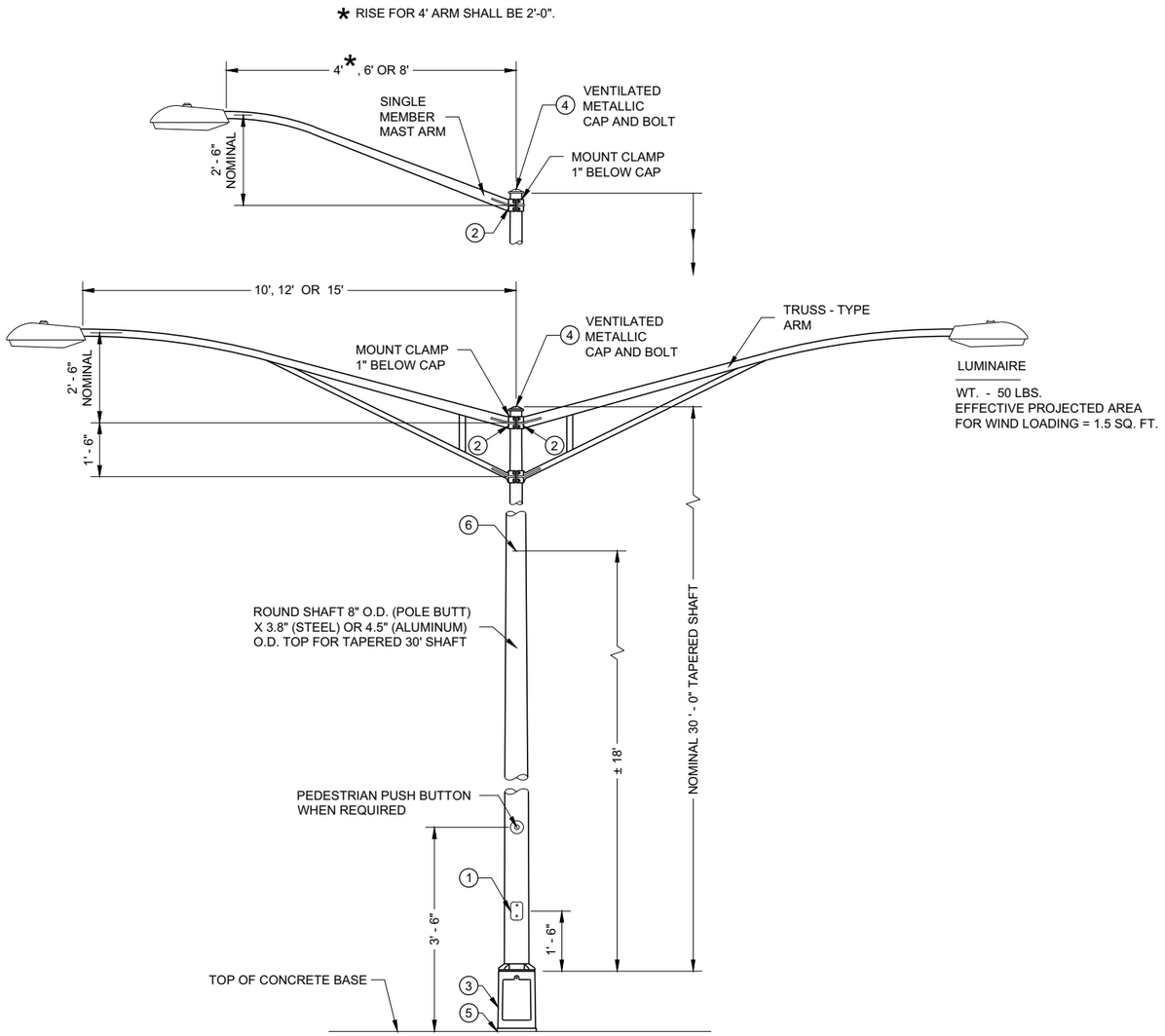


TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

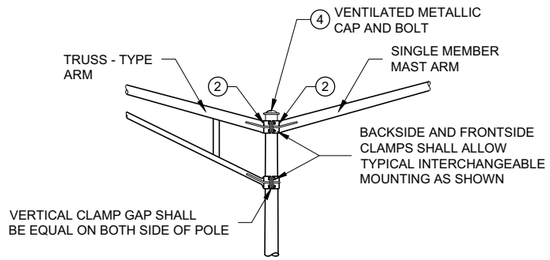
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

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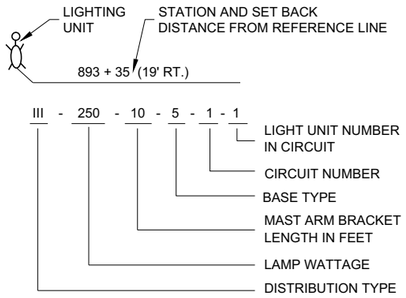
GENERAL NOTES

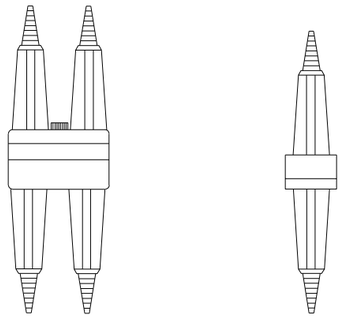
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

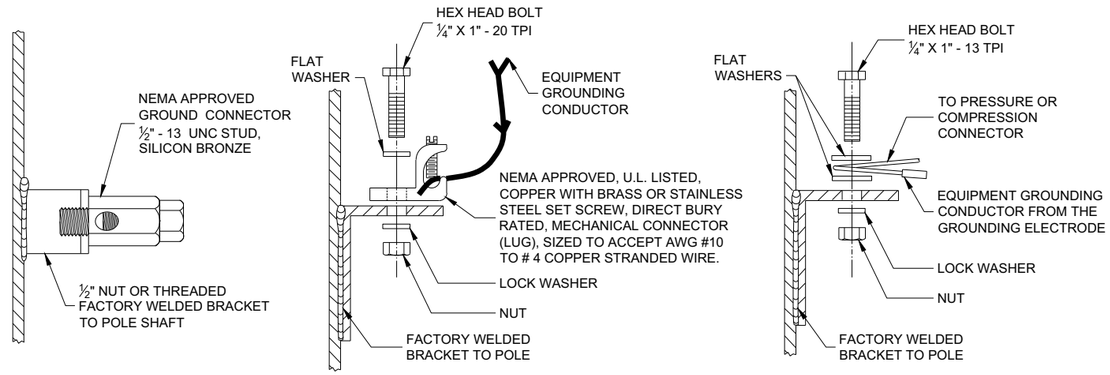


LIGHTING UNIT CODE
(TYPICAL)

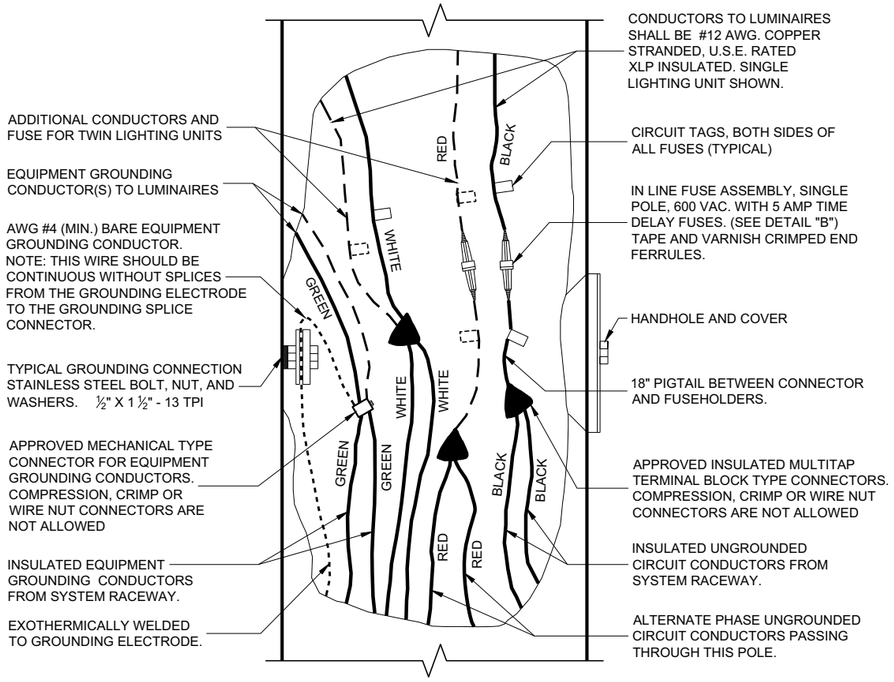


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

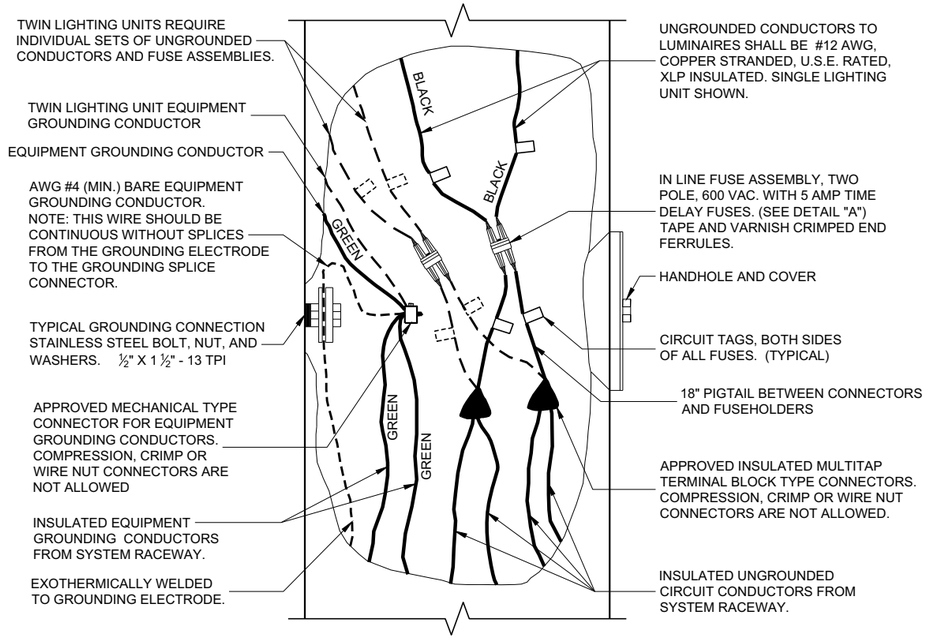
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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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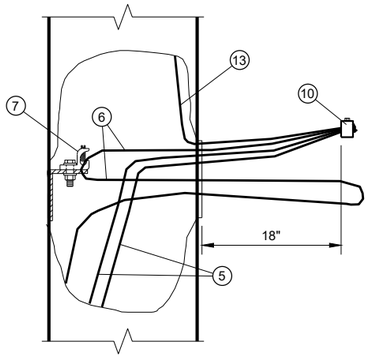
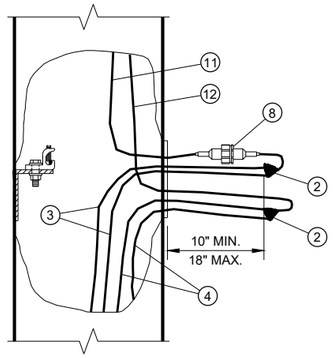
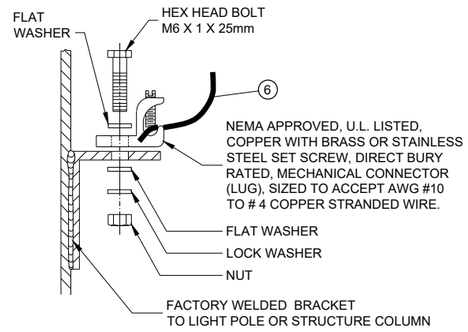


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



HANDHOLE GROUNDING LUG

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

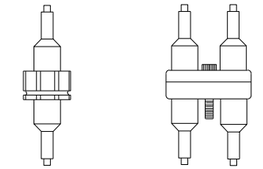
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



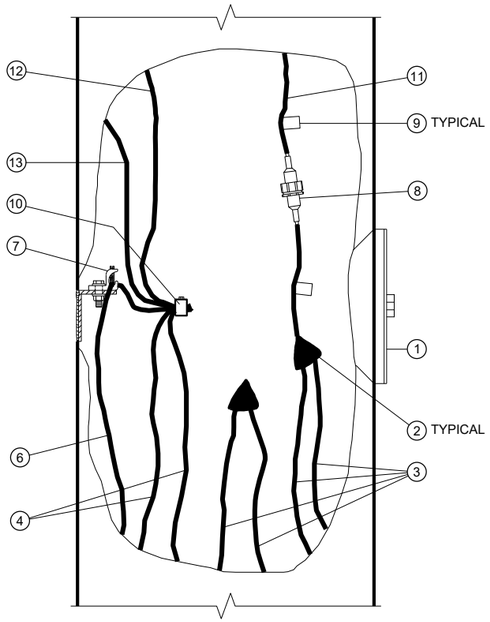
1 POLE (1P) 2 POLE (2P)

FUSE ASSEMBLIES

CONDUCTOR COLOR CODES

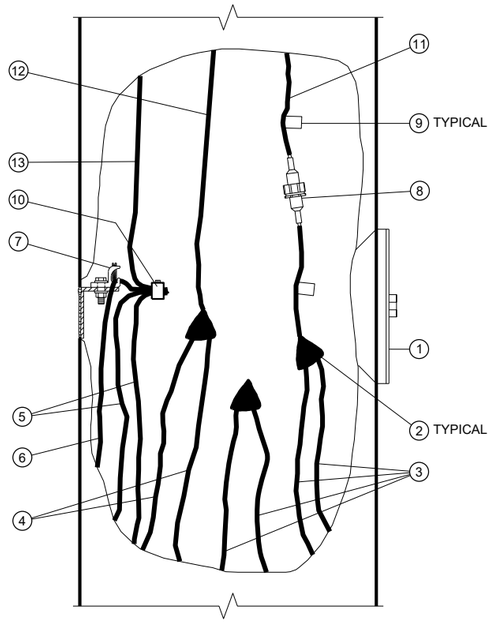
KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



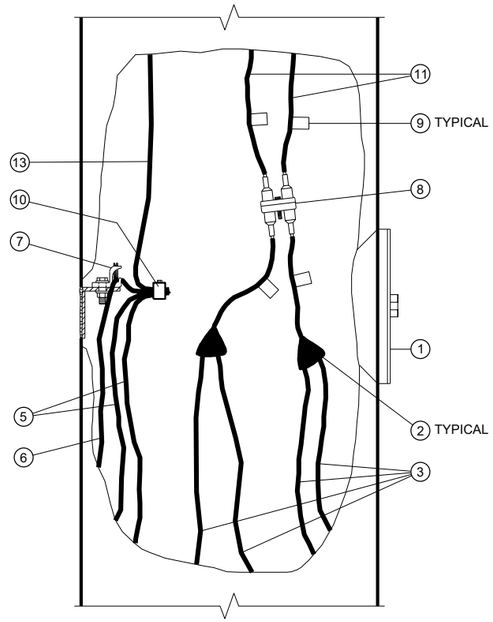
CUTAWAY HANDHOLE DETAIL

GROUNDED NEUTRAL SYSTEMS
1-ϕ



CUTAWAY HANDHOLE DETAIL

ISOLATED NEUTRAL SYSTEMS
1-ϕ SHOWN; 3-ϕ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL

PHASE TO PHASE SYSTEMS
1-ϕ SHOWN; 3-ϕ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

ELECTRICAL HANDHOLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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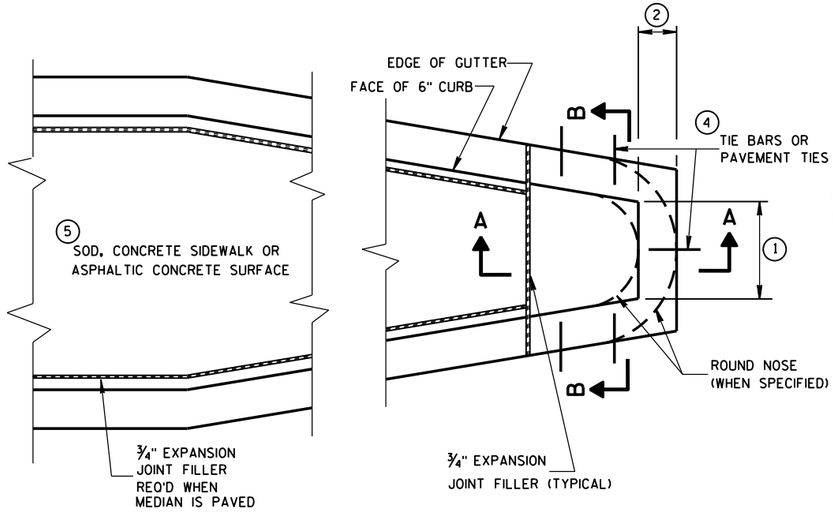
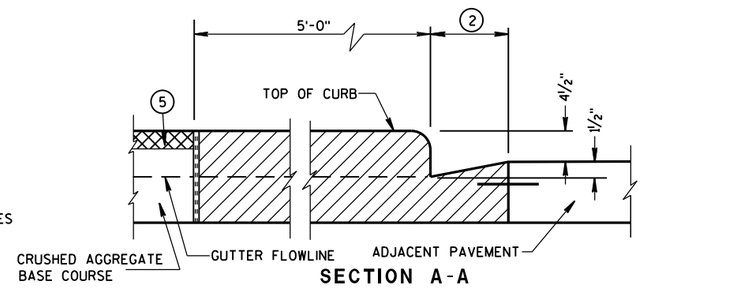




CONCRETE MEDIAN BLUNT NOSE DETAIL

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.

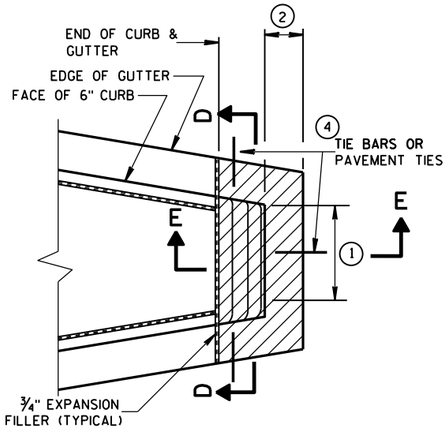
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

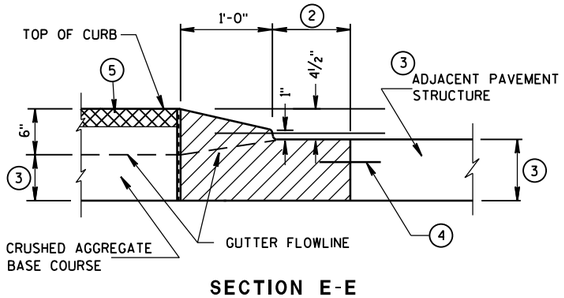
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(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.

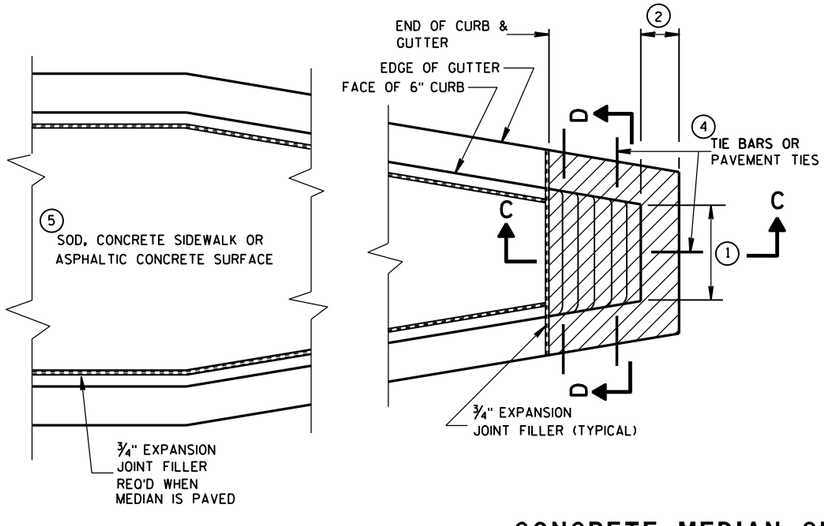
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

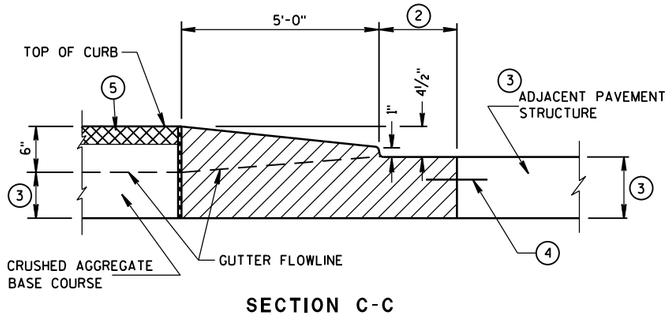




SECTION E-E

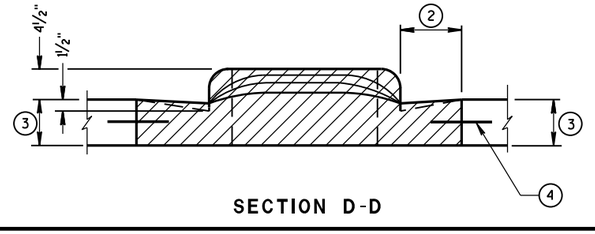
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

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 DEVELOPMENT ENGINEER

FHWA

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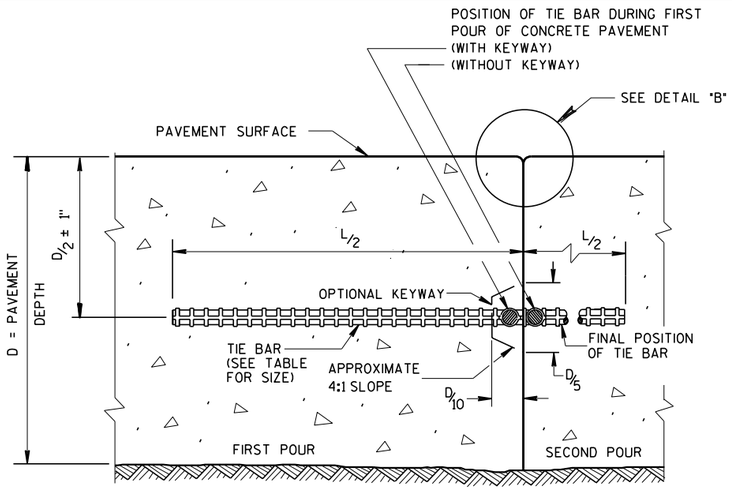
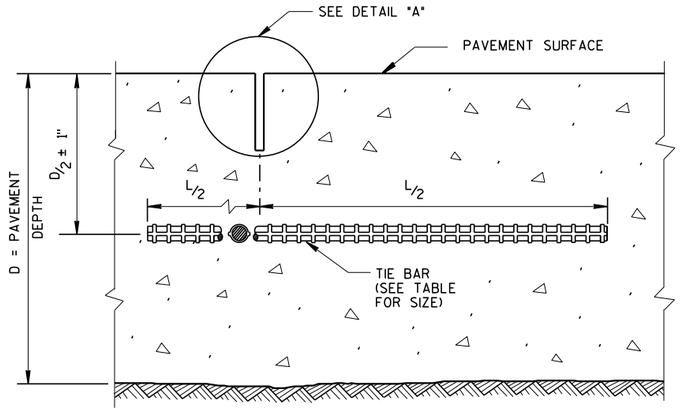
S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

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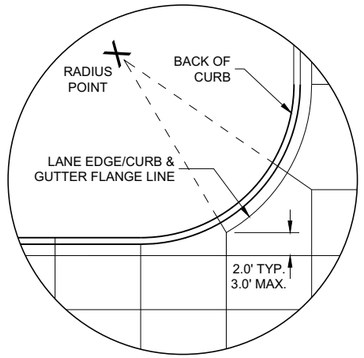
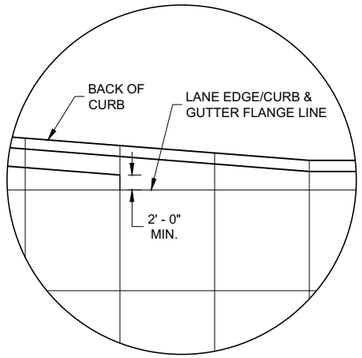
S.D.D. 13 C 1-19



DETAIL "A"



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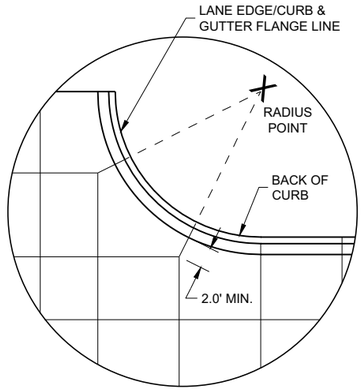
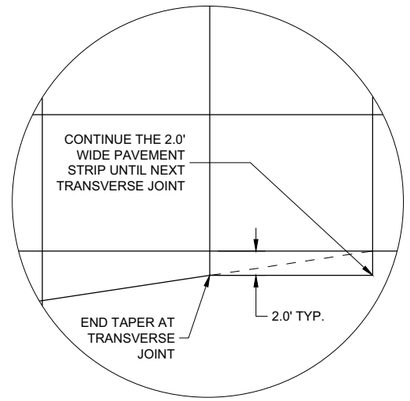


DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

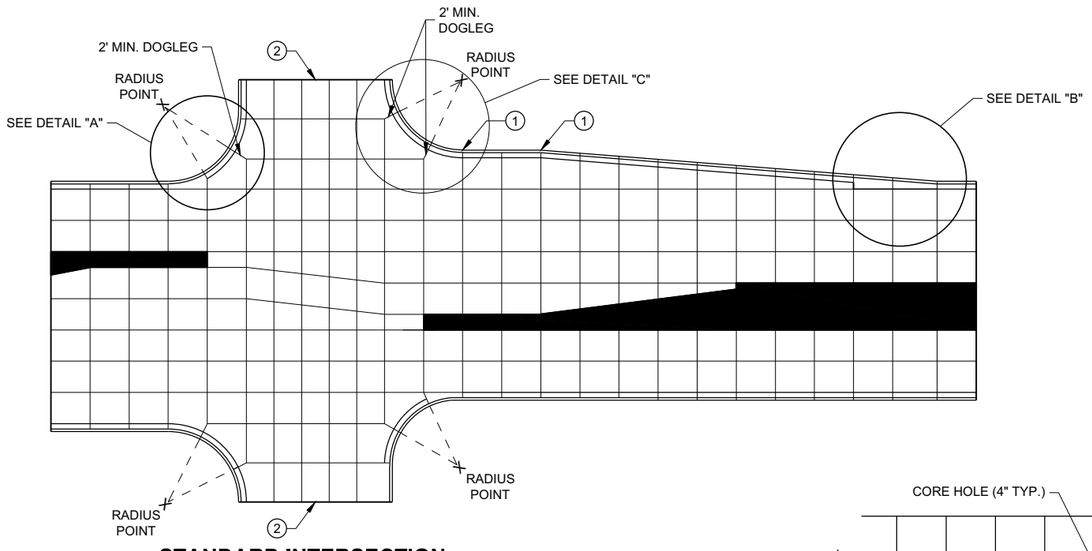
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

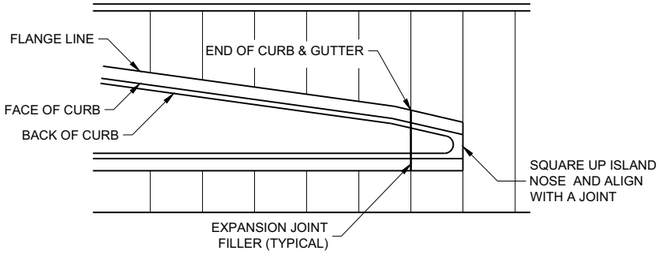


STANDARD INTERSECTION

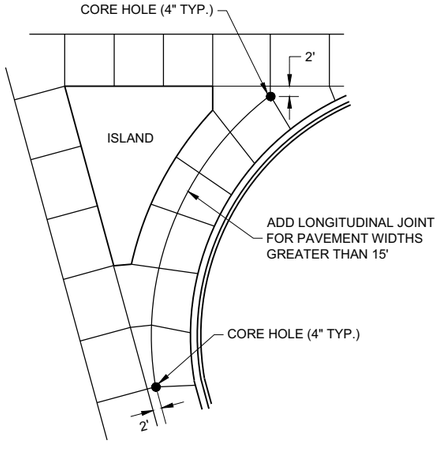
PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07a

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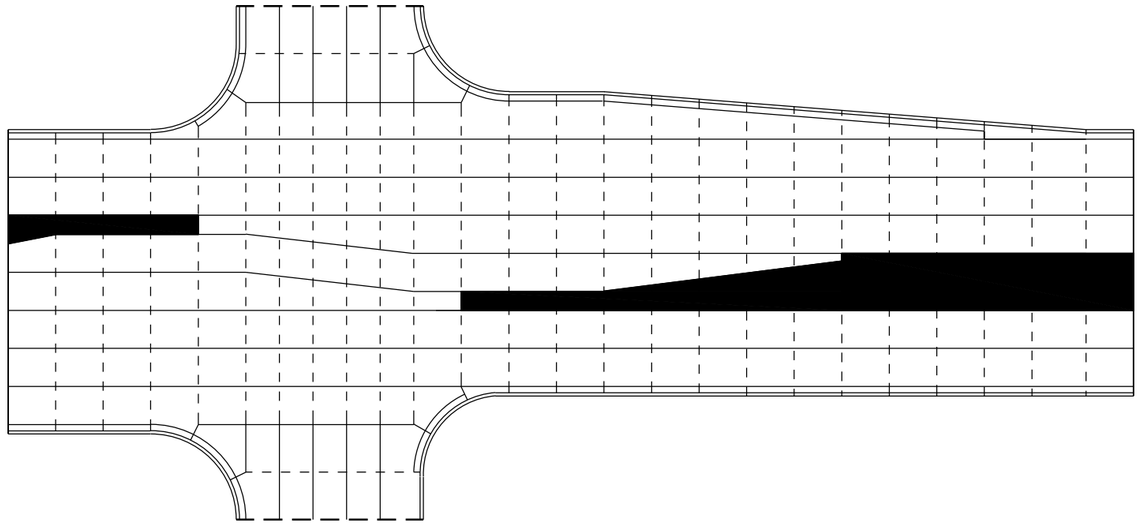
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

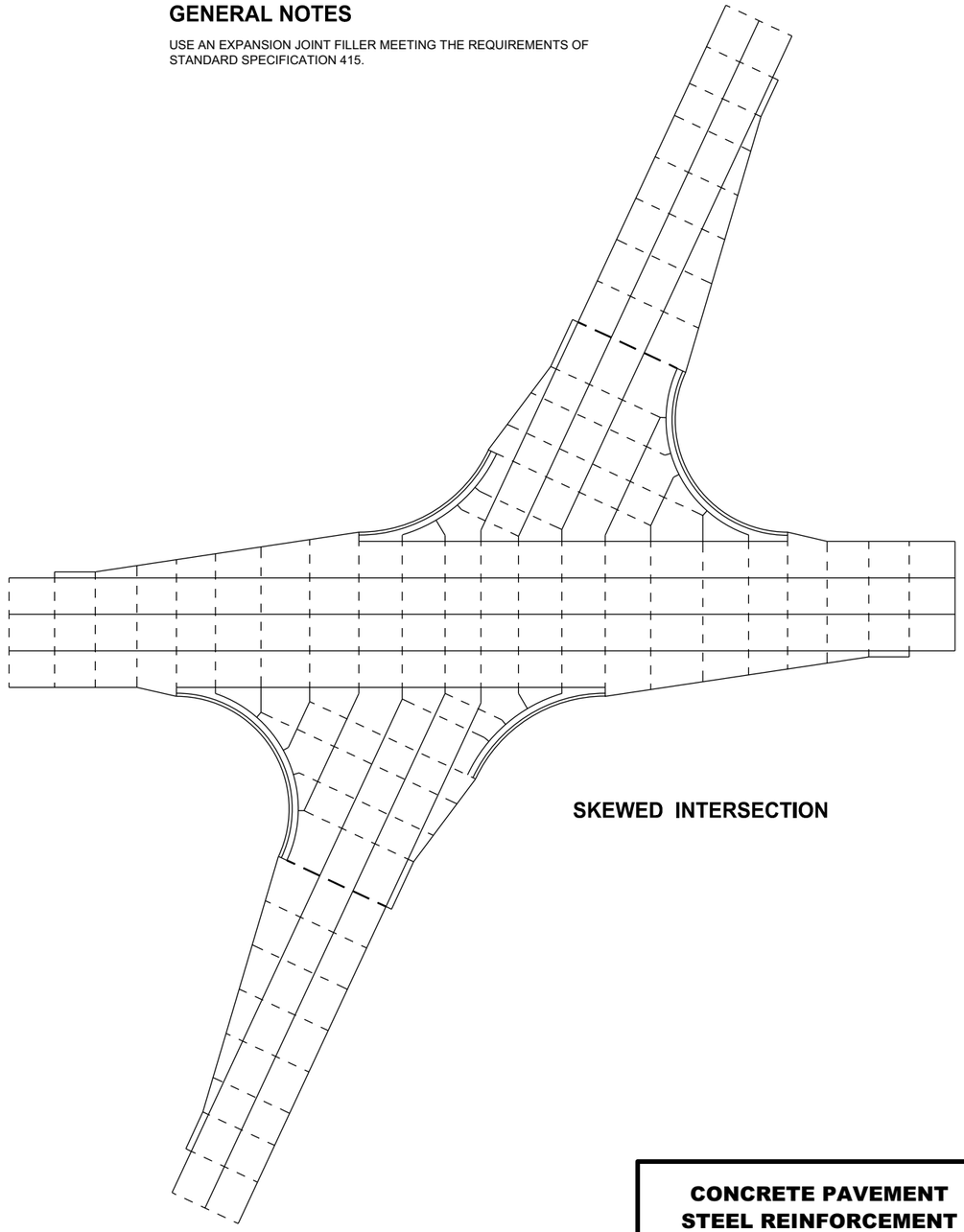
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

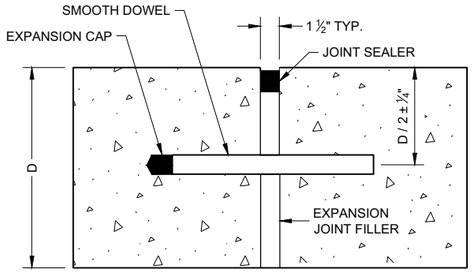
SDD 13C18 - 07b

CONCRETE PAVEMENT STEEL REINFORCEMENT

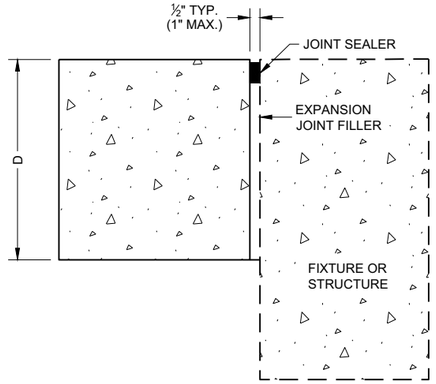
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

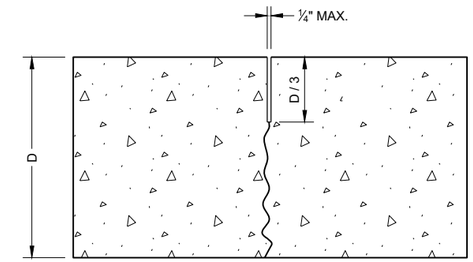
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

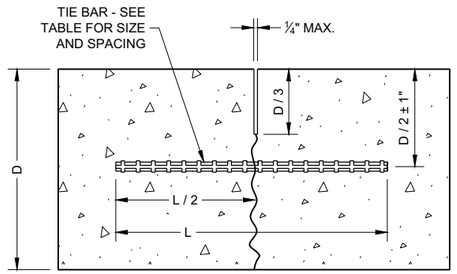
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

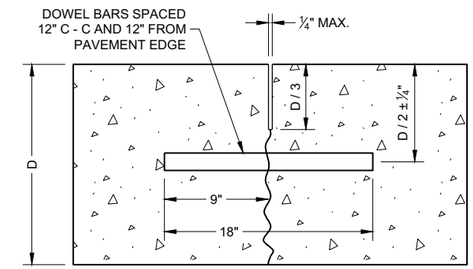
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

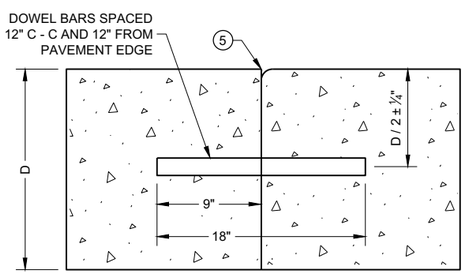


TIED LONGITUDINAL

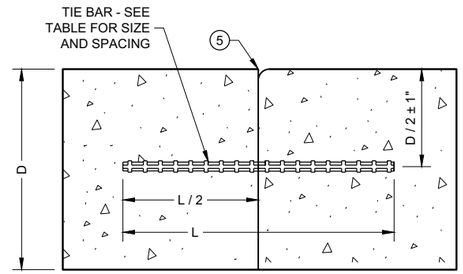


DOWELED TRANSVERSE

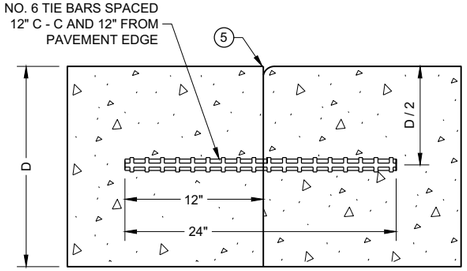
CONTRACTION JOINTS (2)



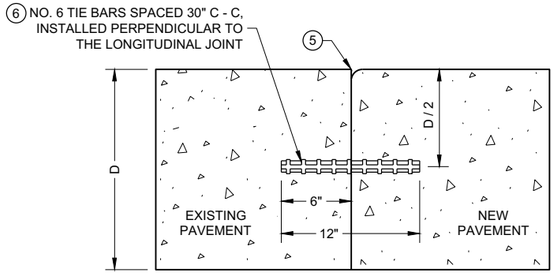
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

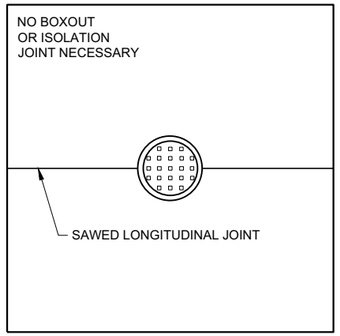
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

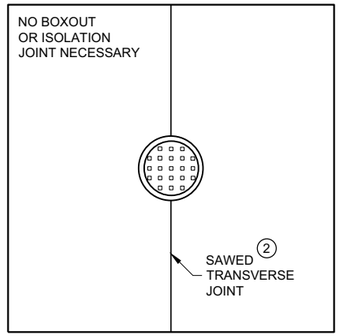
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

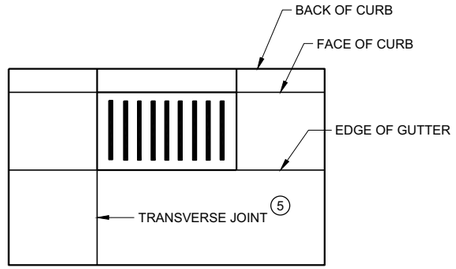
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



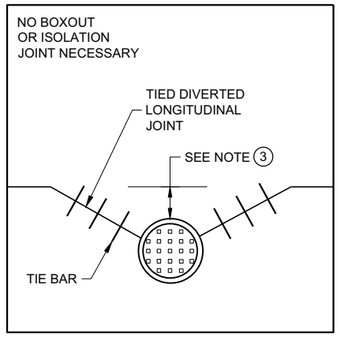
MANHOLE WITH TRANSVERSE JOINT



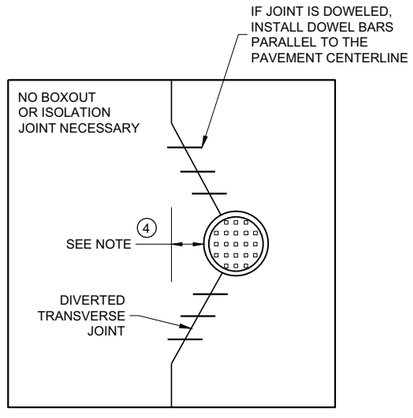
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

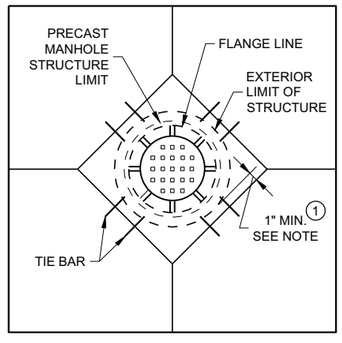
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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SDD13C18 - 07d

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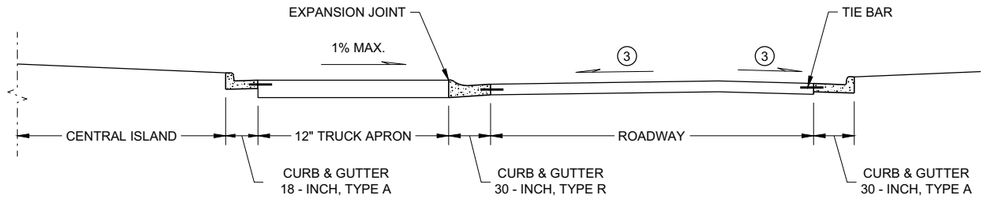
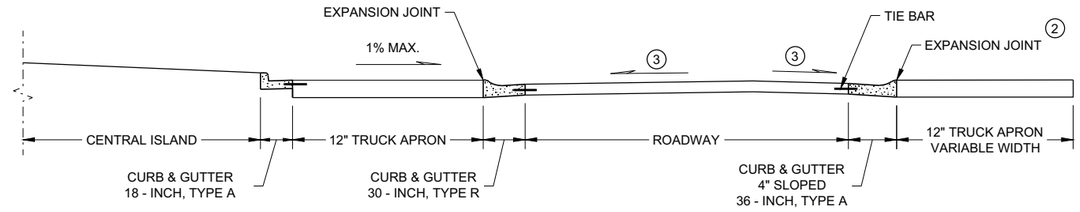
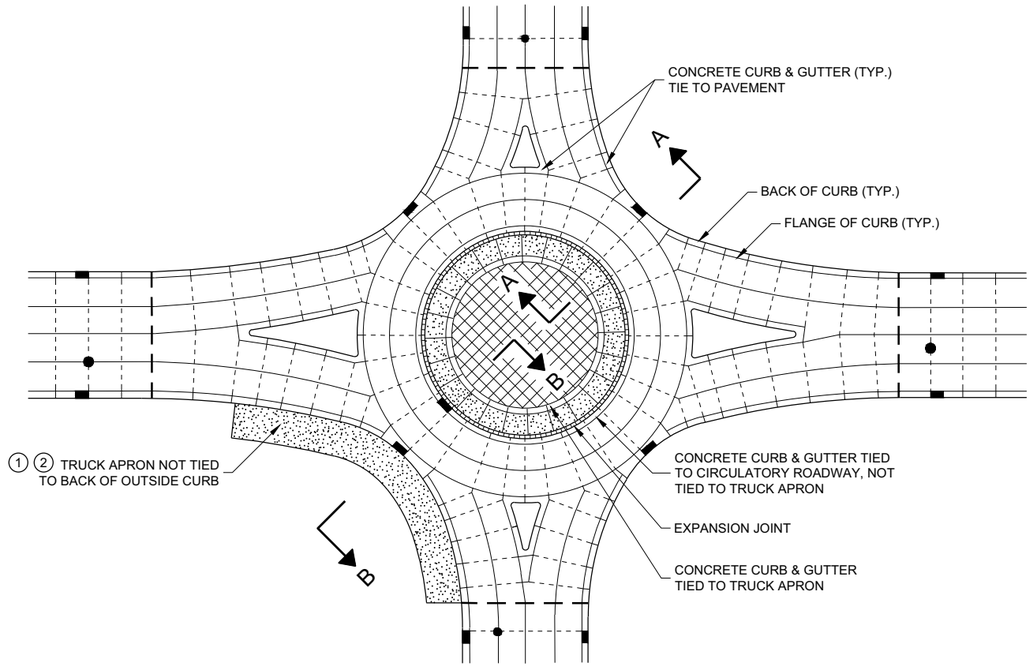
SDD13C18 - 07d



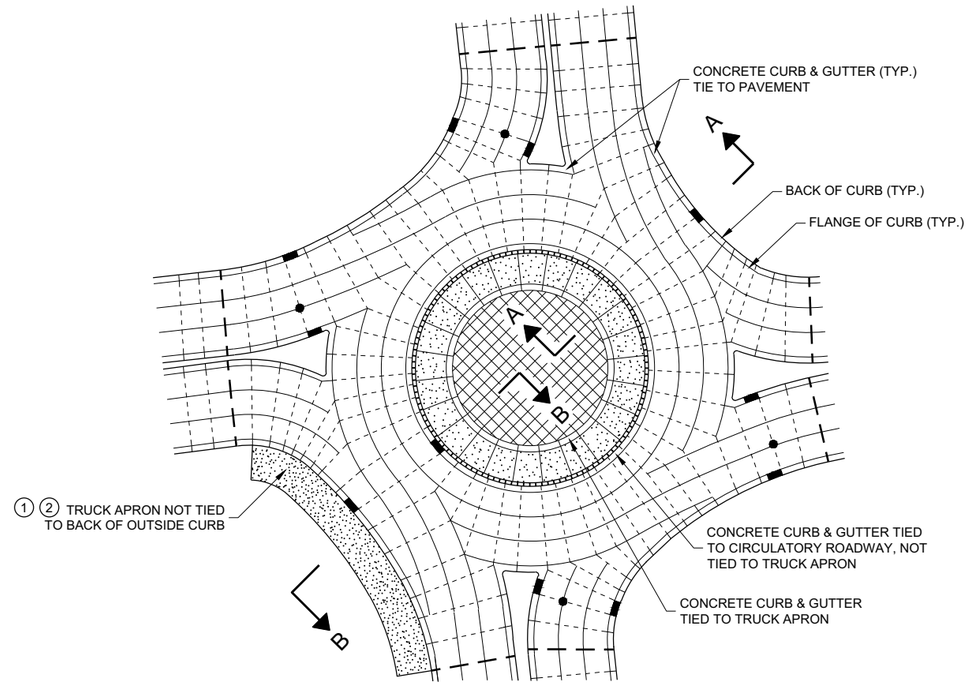
SECTION A - A



SECTION B - B



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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SDD 13C18 - 07e

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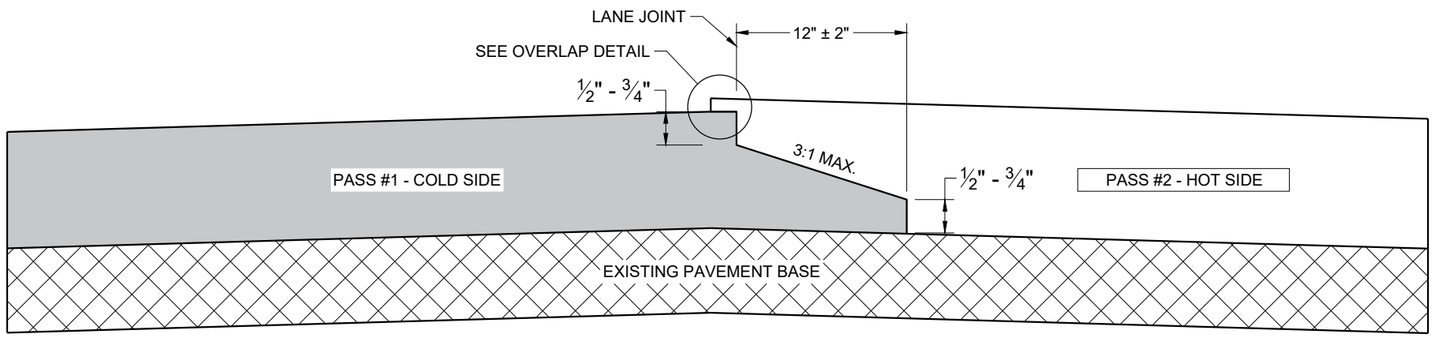
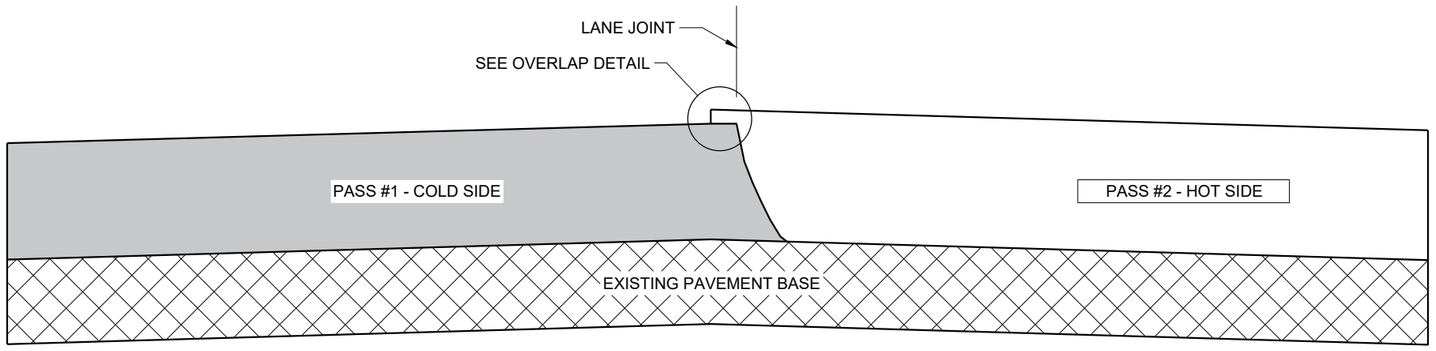
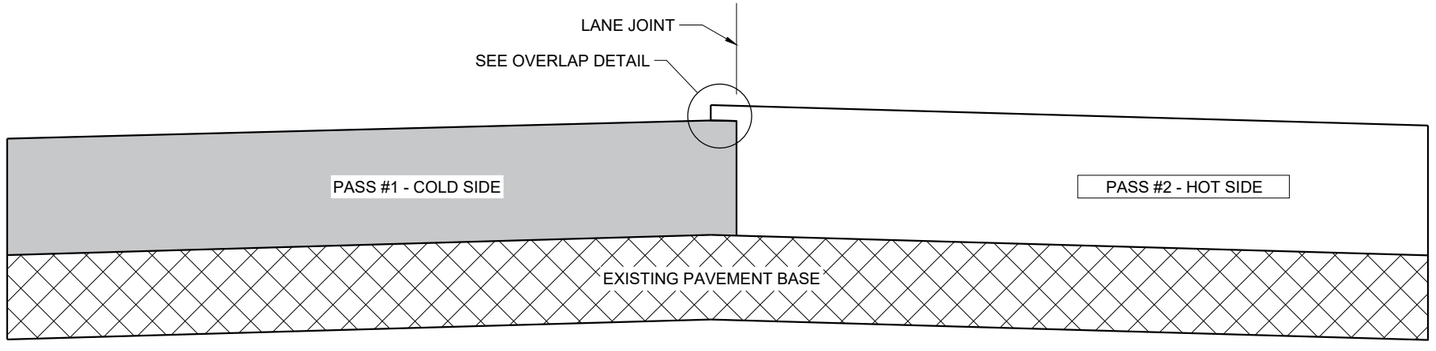
SDD 13C18 - 07e



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

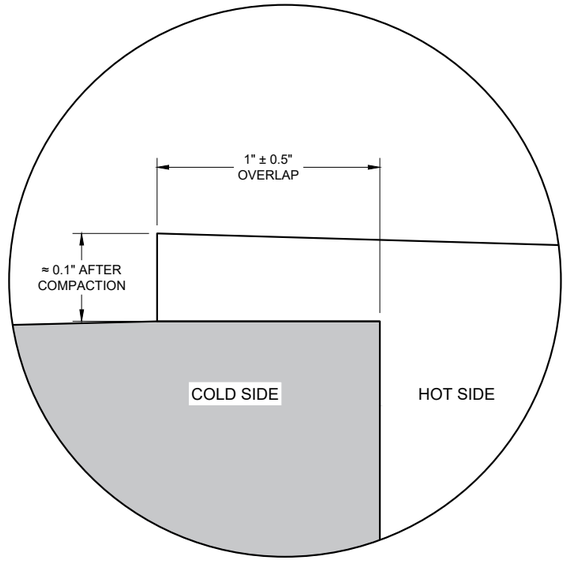
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

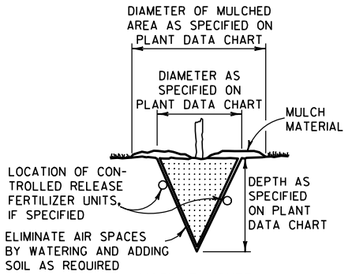
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

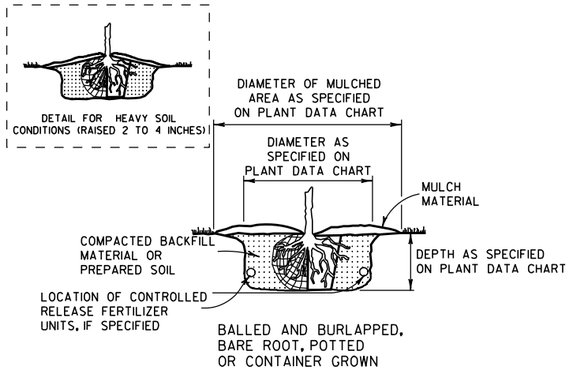
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

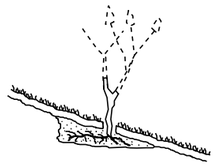
FHWA



MACHINE MOVED

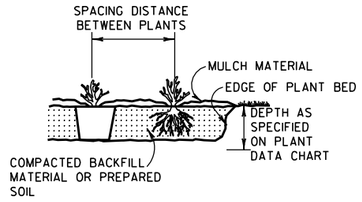


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



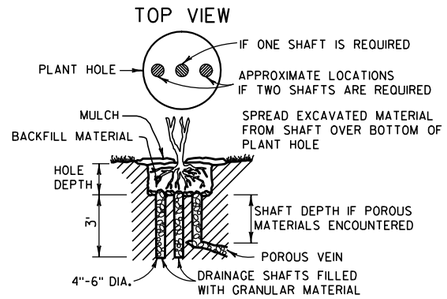
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



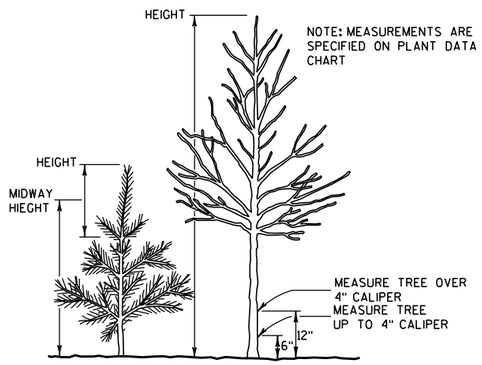
PREPARED BED (BARE ROOT AND POTTED)

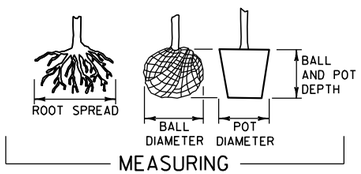
PLANTING



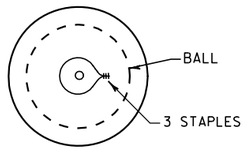
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

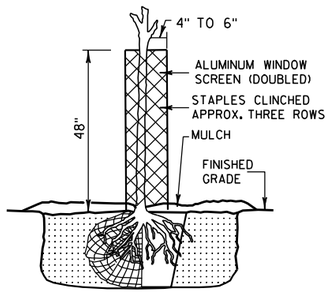




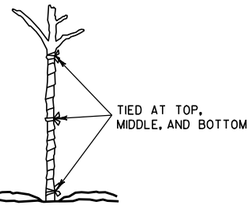
MEASURING



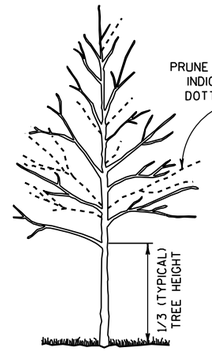
TOP VIEW



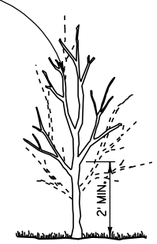
RODENT PROTECTION



WRAPPING



TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)



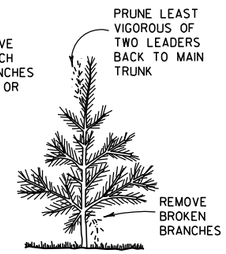
SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)

MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

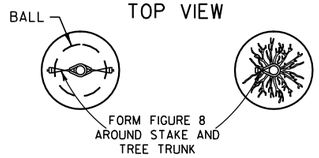
SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

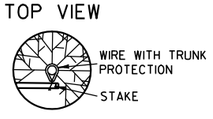
SUMAC

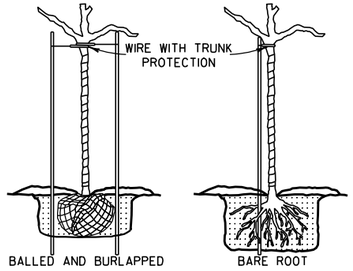


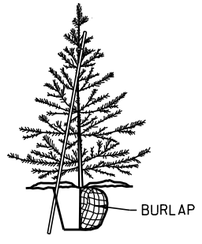
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



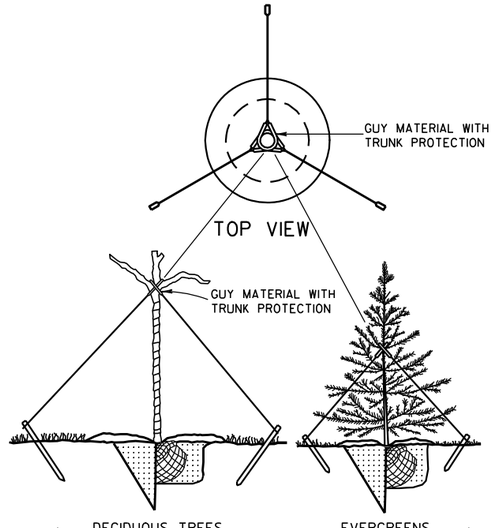






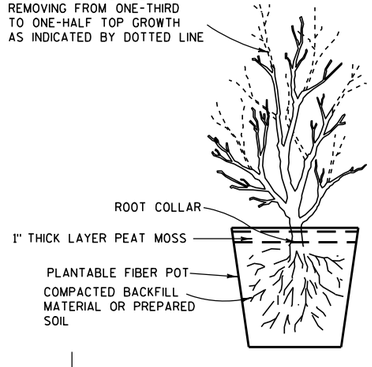
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

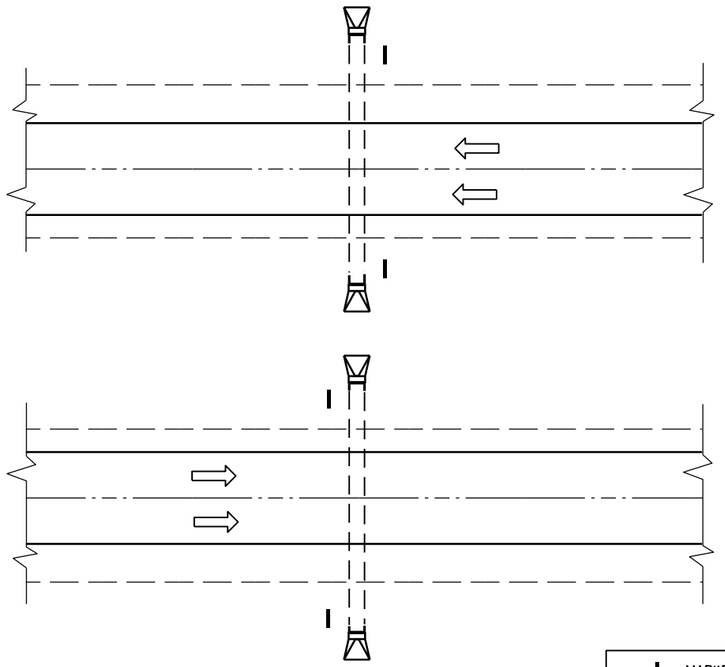
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

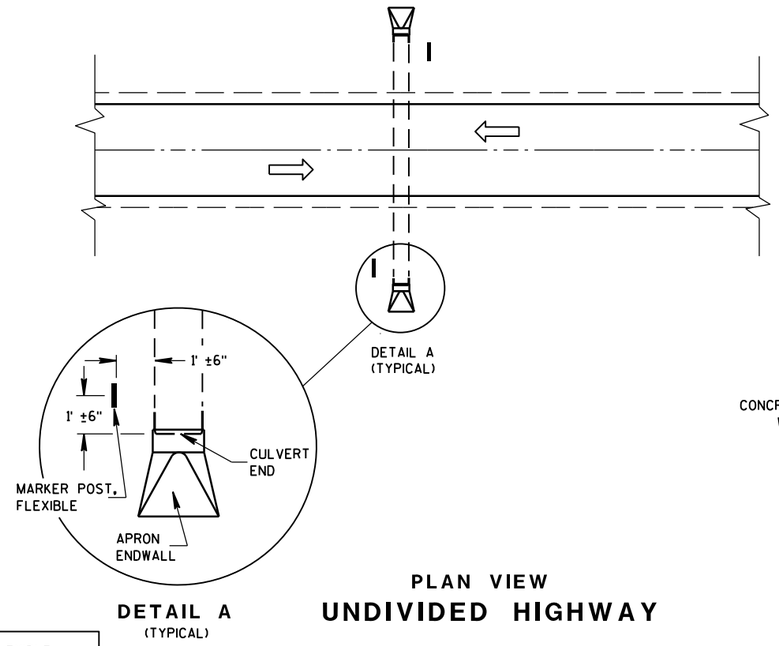
S.D.D. 14 A 2-1

S.D.D. 14 A 2-1



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

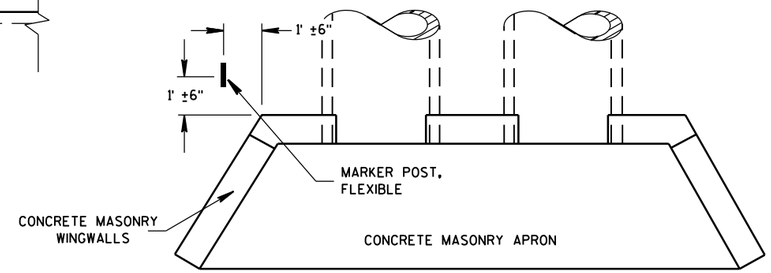
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

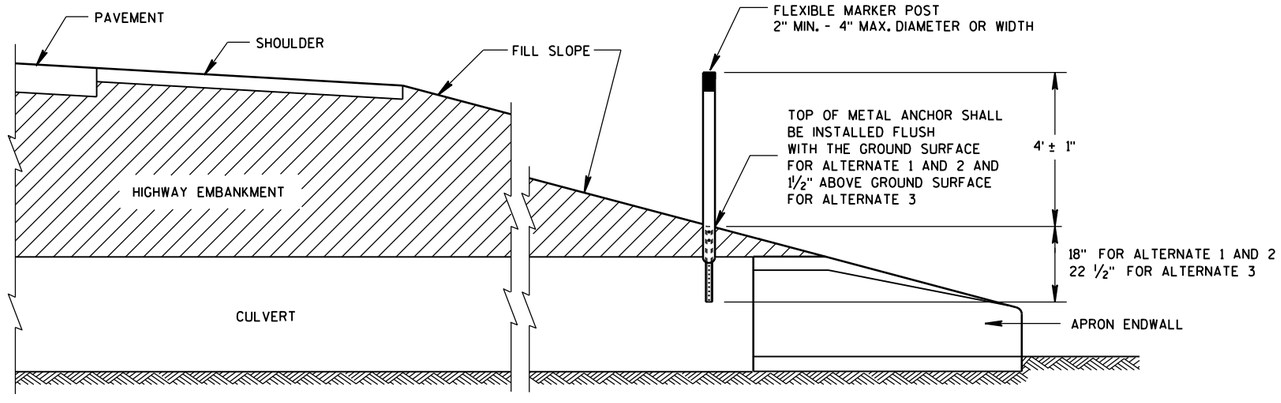
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

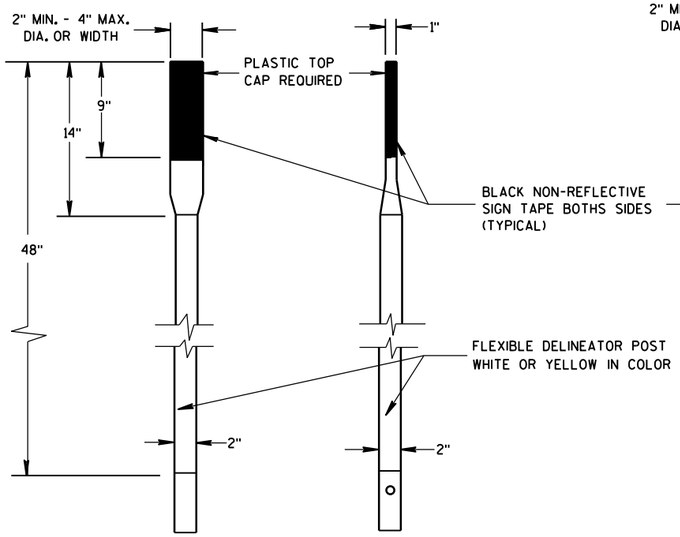
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

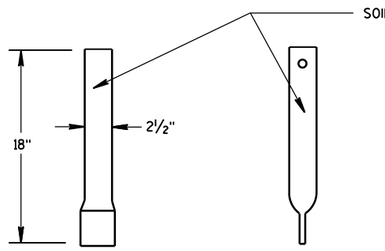
6

S.D.D. 15 A 3-2a

6

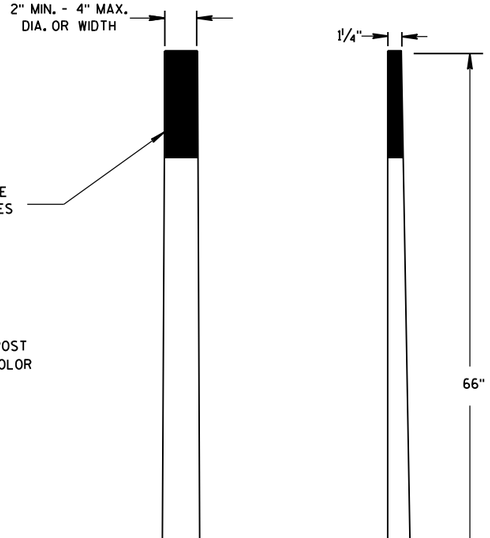
S.D.D. 15 A 3-2a





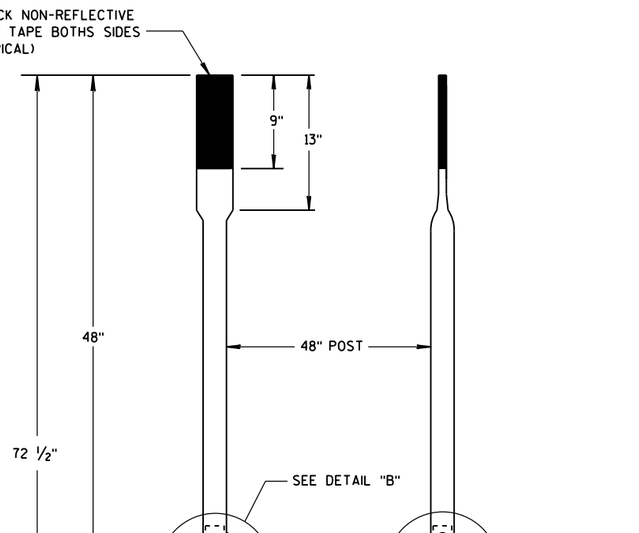
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

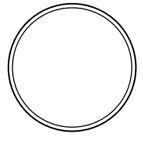
ALTERNATE 2



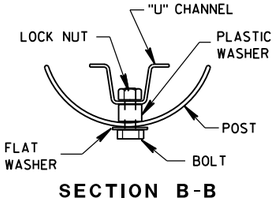
FRONT VIEW SIDE VIEW

ALTERNATE 3

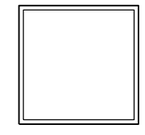
FLEXIBLE MARKER POSTS



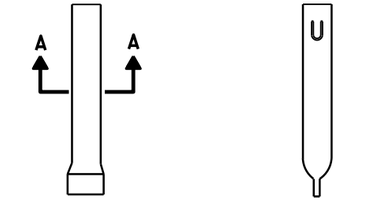
SECTION A-A



SECTION B-B

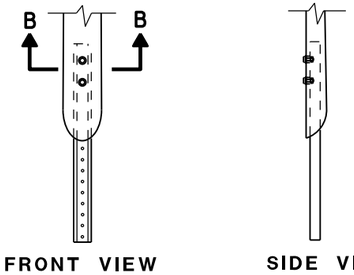


SECTION C-C



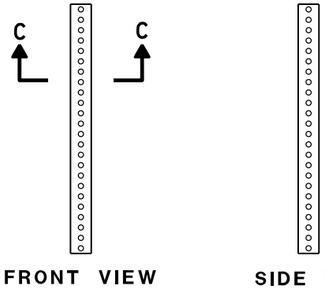
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

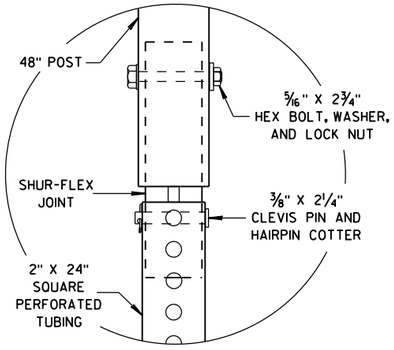
ALTERNATE 2



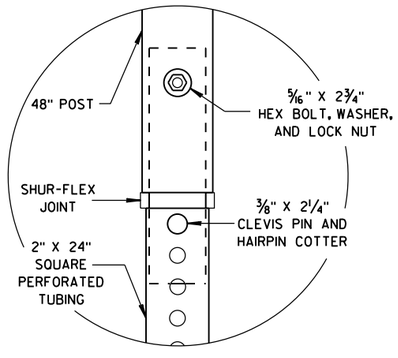
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

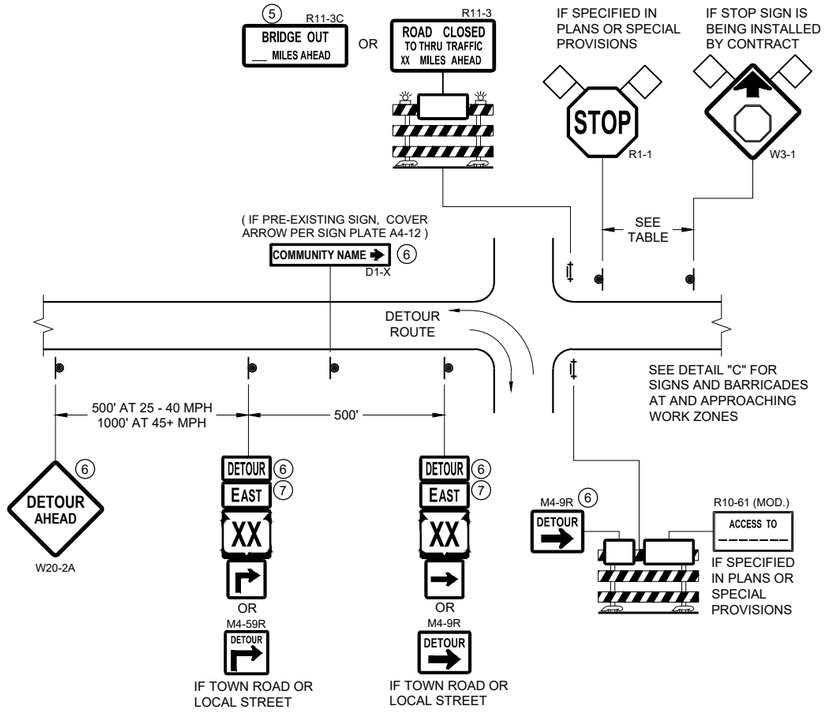
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

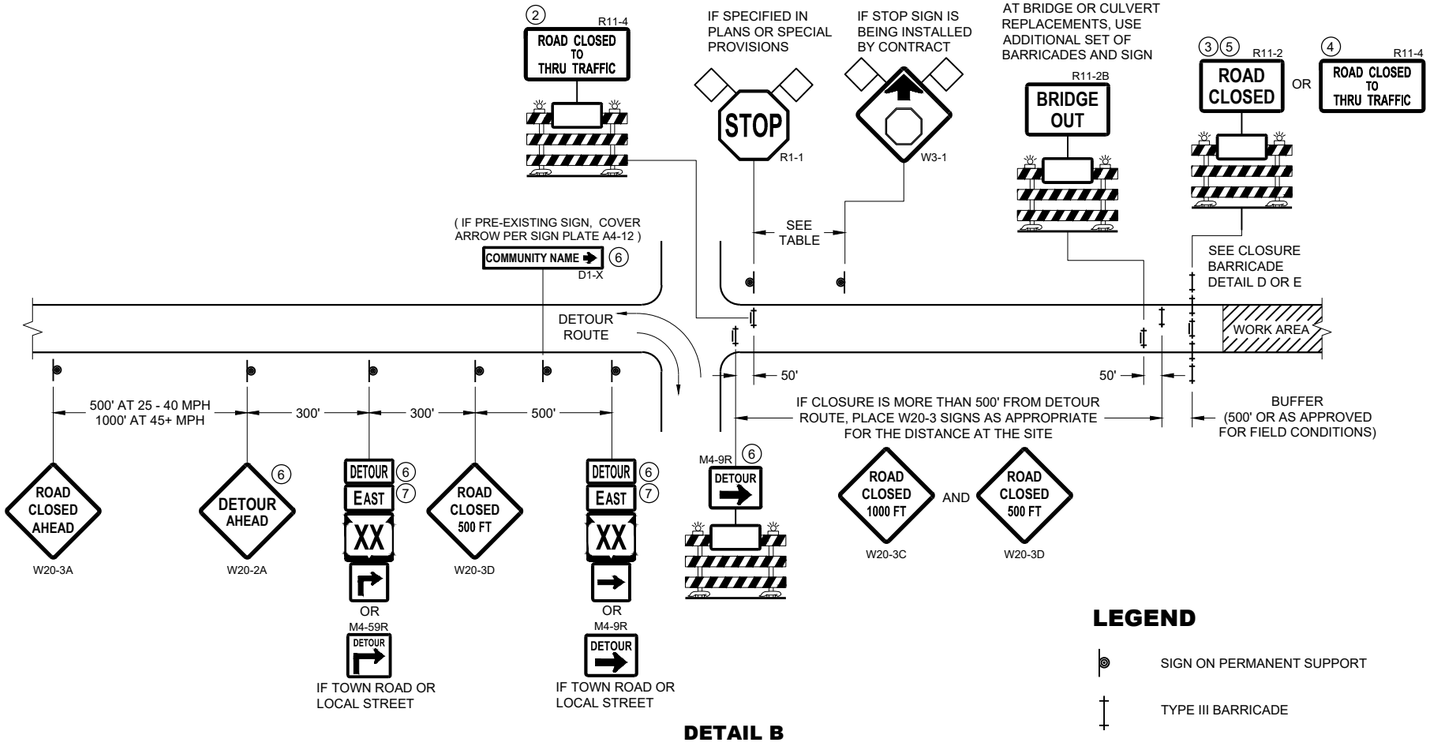
6

S.D.D. 15 A 3-2b



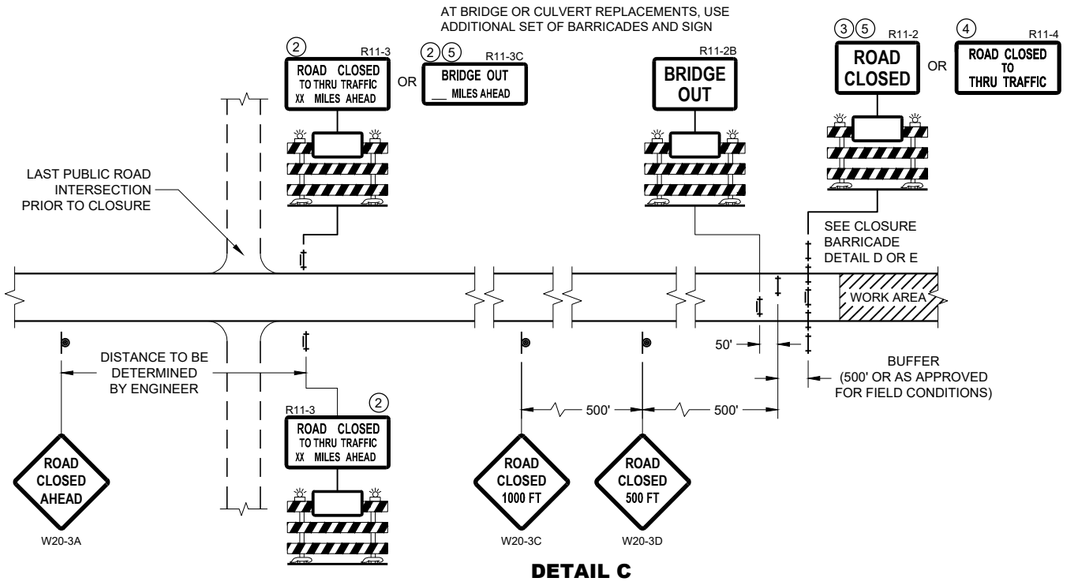
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

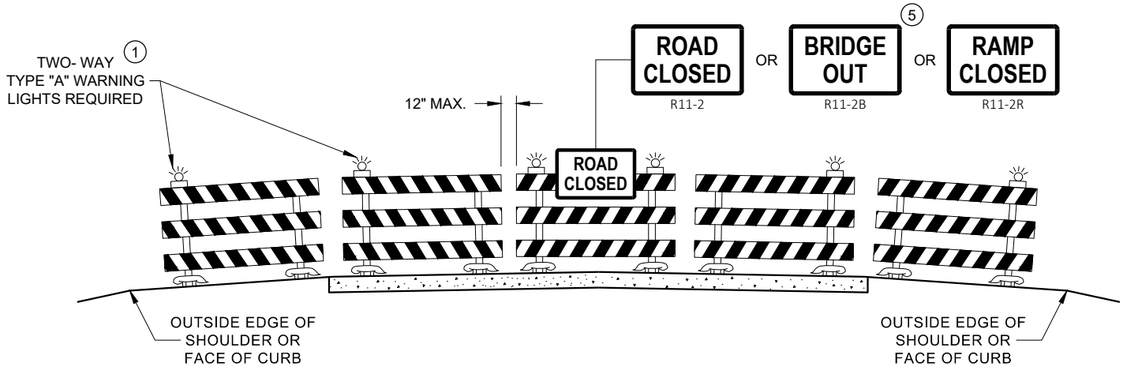
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

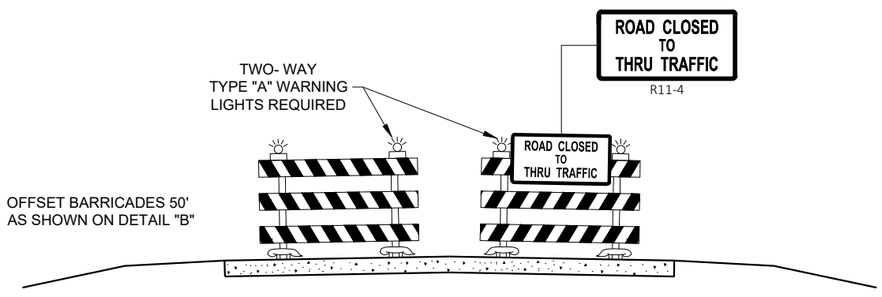
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 09a



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
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 09b

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SDD 15C02 - 09b

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

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

500' AT 25-40 MPH
1000' AT 45+ MPH

500'

DETOUR EAST XX *

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

M4-8a END DETOUR WEST XX *

DETOUR EAST XX / WEST XX *

DETOUR ROUTE

WORK AREA

DETOUR EAST XX

WEST XX OR M4-9L DETOUR ** IF TOWN ROAD OR LOCAL STREET

500'

DETOUR NEXT X MILES * G20-51

DETOUR WEST XX * OR M4-59L DETOUR ** IF TOWN ROAD OR LOCAL STREET

MATCH POINT

* M4-59L DETOUR ** OR DETOUR EAST XX * IF TOWN ROAD OR LOCAL STREET

D1-X COMMUNITY NAME * (IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

M4-9L DETOUR ** OR DETOUR EAST XX IF TOWN ROAD OR LOCAL STREET

500'

DETOUR WEST XX

DETOUR WEST XX OR M4-9R DETOUR ** IF TOWN ROAD OR LOCAL STREET

DETOUR WEST XX * OR M4-59R * DETOUR ** IF TOWN ROAD OR LOCAL STREET

500'

DETOUR ROUTE

500' AT 25 - 40 MPH
1000' AT 45+ MPH

500'

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

DETOUR EAST XX *

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

DETOUR EAST XX

500'

DETOUR EAST XX

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

DETOUR EAST XX *

PLACE SIGNS BEYOND INTERSECTIONS WITH STATE OR COUNTY TRUNK HIGHWAYS OR AT 4 MILE MAXIMUM SPACING (4 BLOCKS IF URBAN AREA)

500' AT 25 - 40 MPH
1000' AT 45+ MPH

DETOUR EAST XX *

EAST XX M3-X 24" X 12" M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR 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

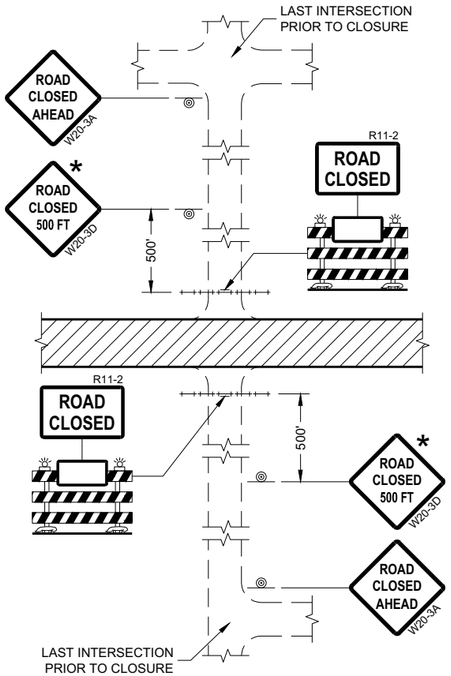
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

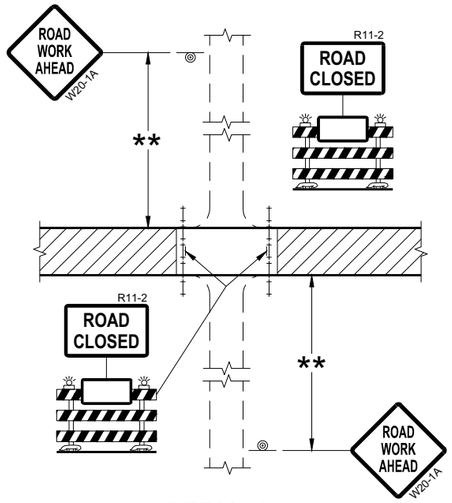
FHWA

6

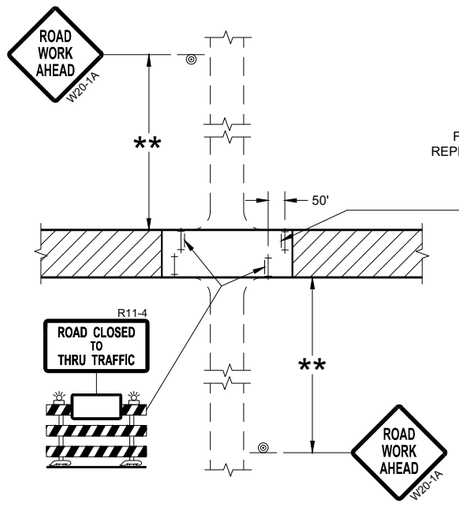
SDD 15C02 - 09c



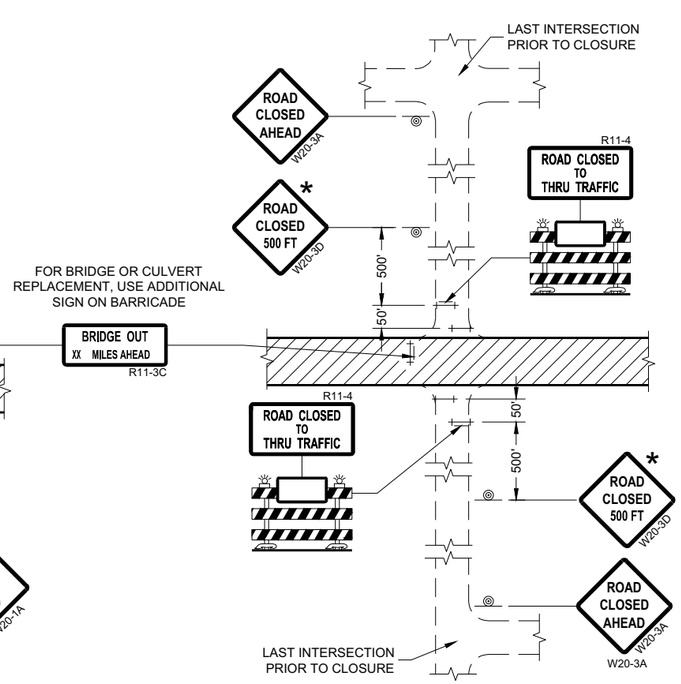
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

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

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

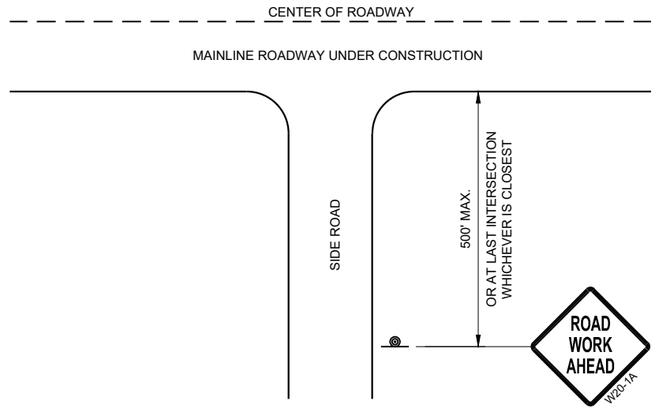
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



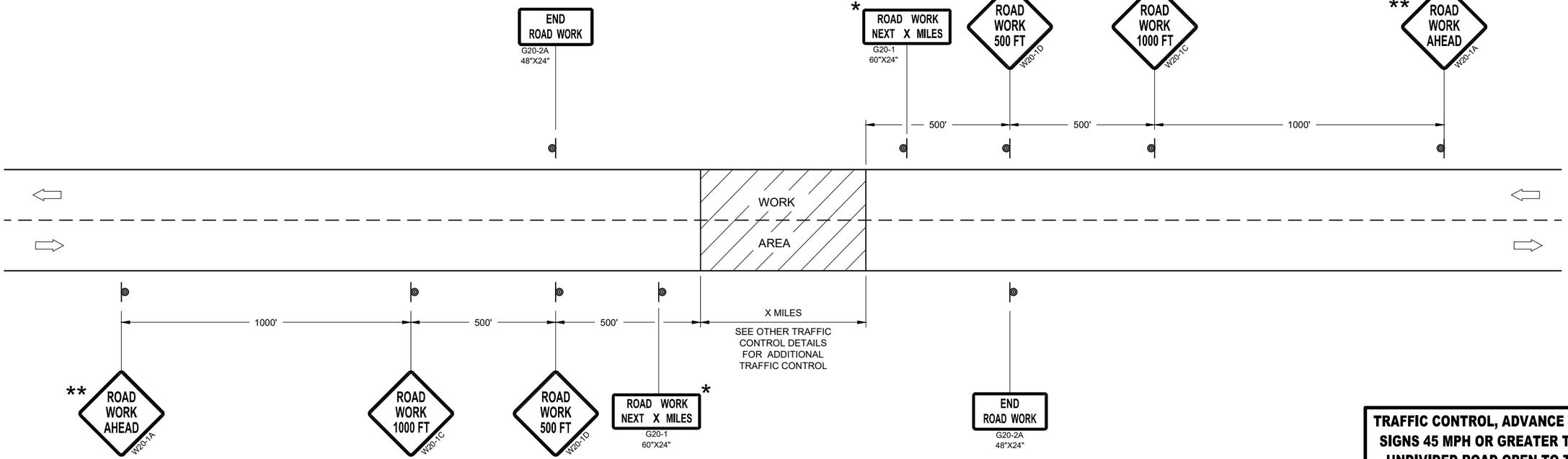
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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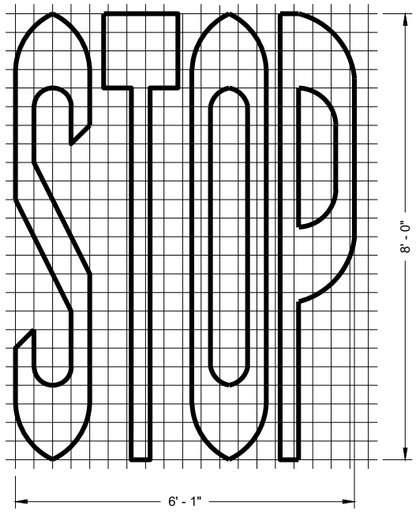
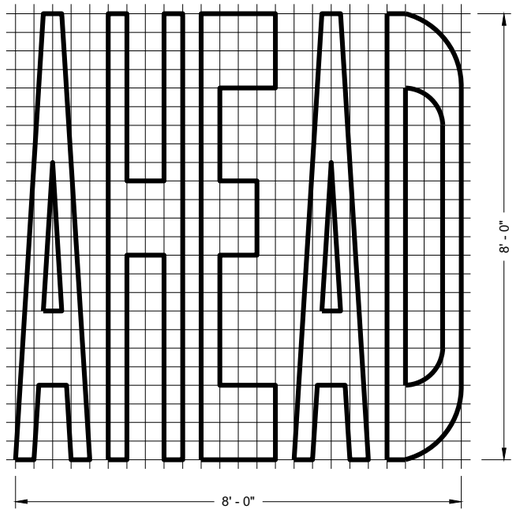
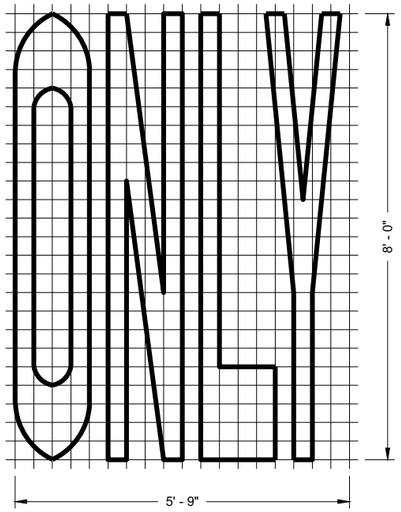
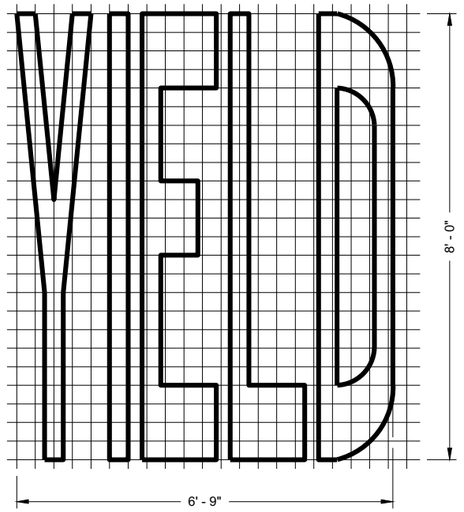
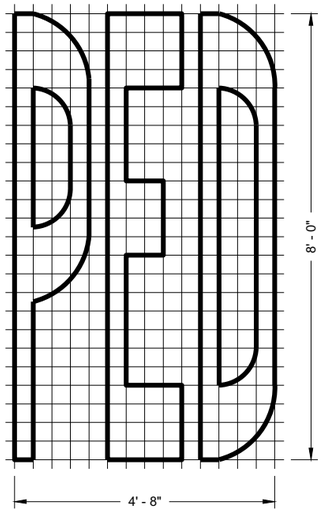
SDD 15C04 - 05



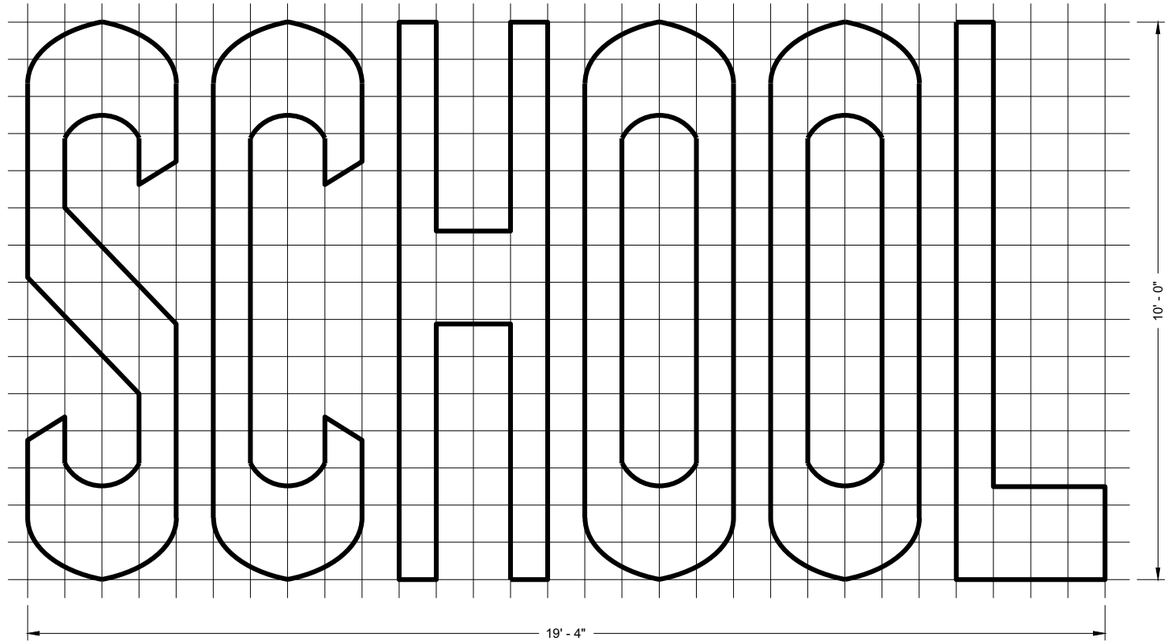








SINGLE LANE



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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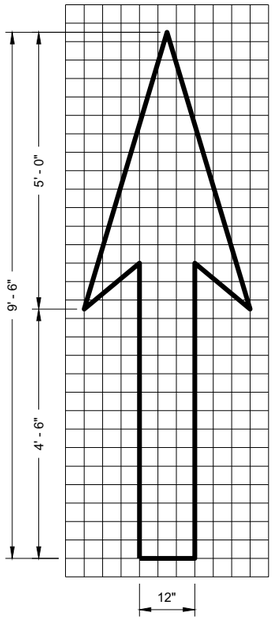
SDD 15C07 - 15b

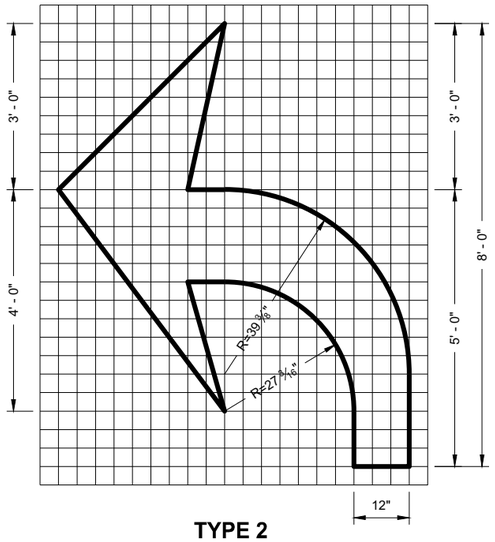
SDD 15C07 - 15b

GENERAL NOTES

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



TYPE 1



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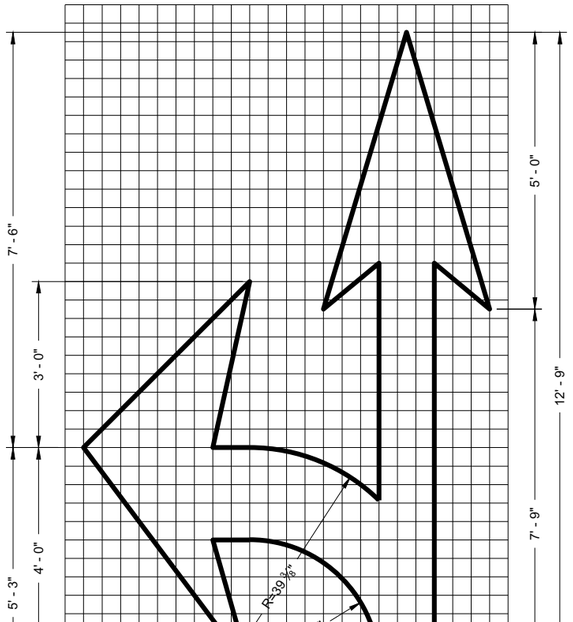

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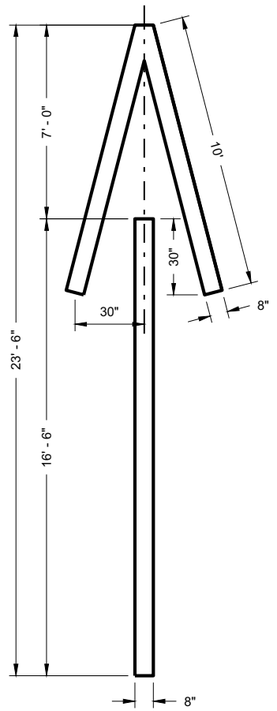
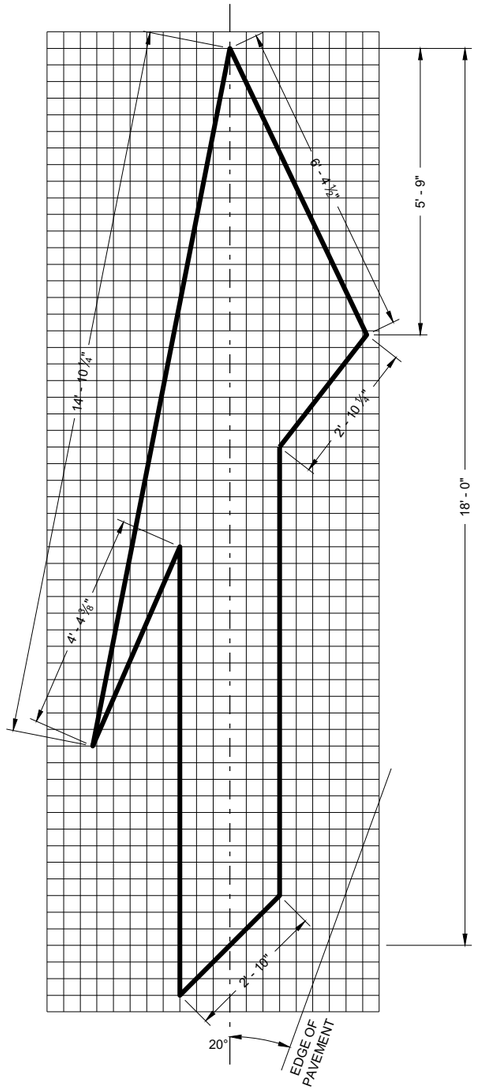
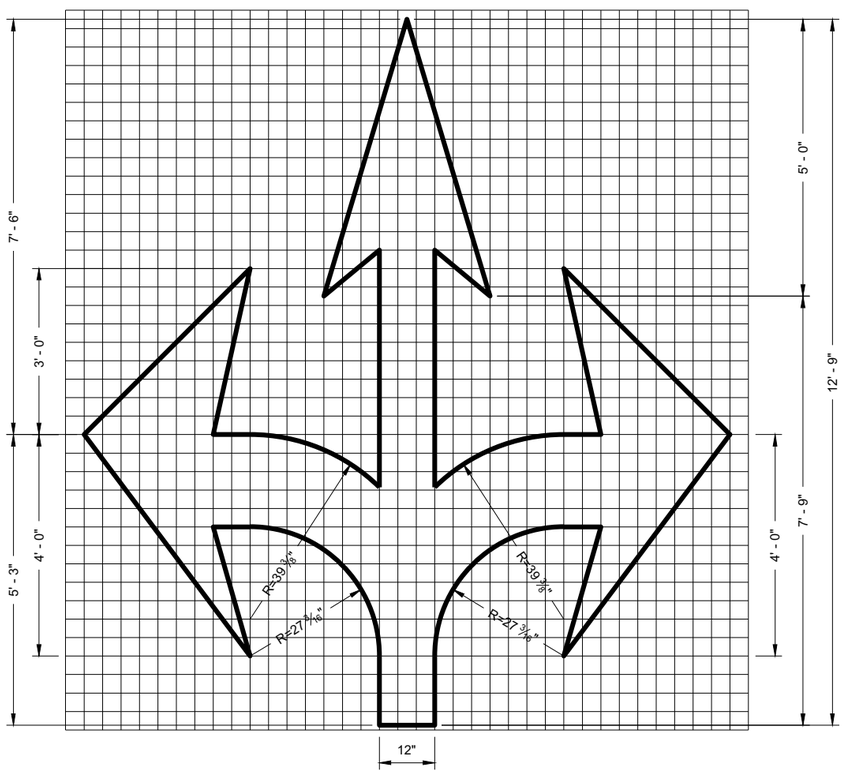


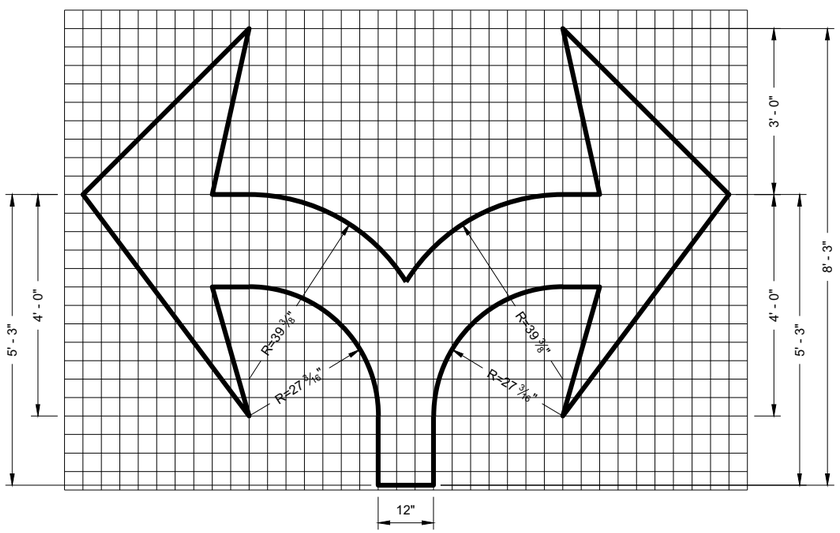
TYPE 4



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 MARKING ENGINEER

FHWA

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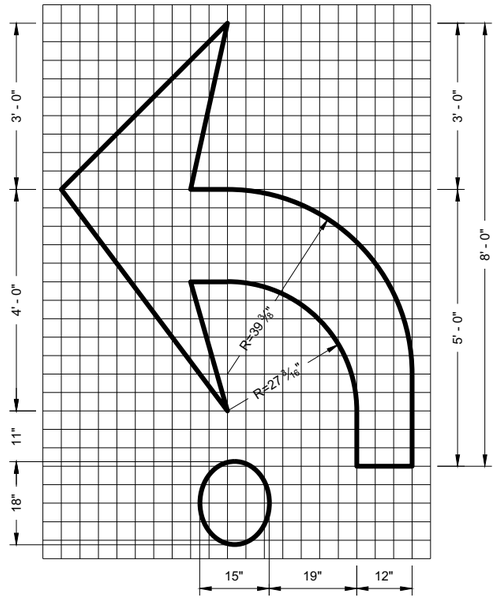
SDD 15C07 - 15c

6

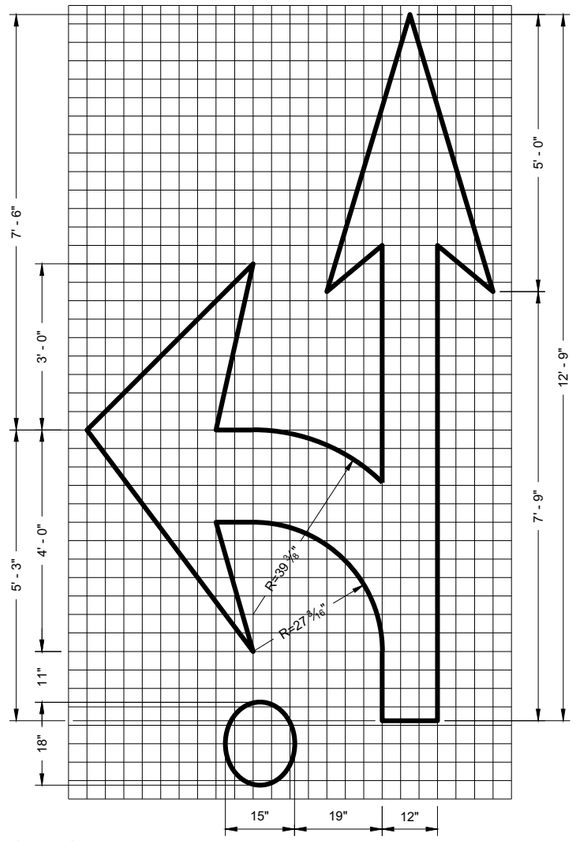
SDD 15C07 - 15c

GENERAL NOTES

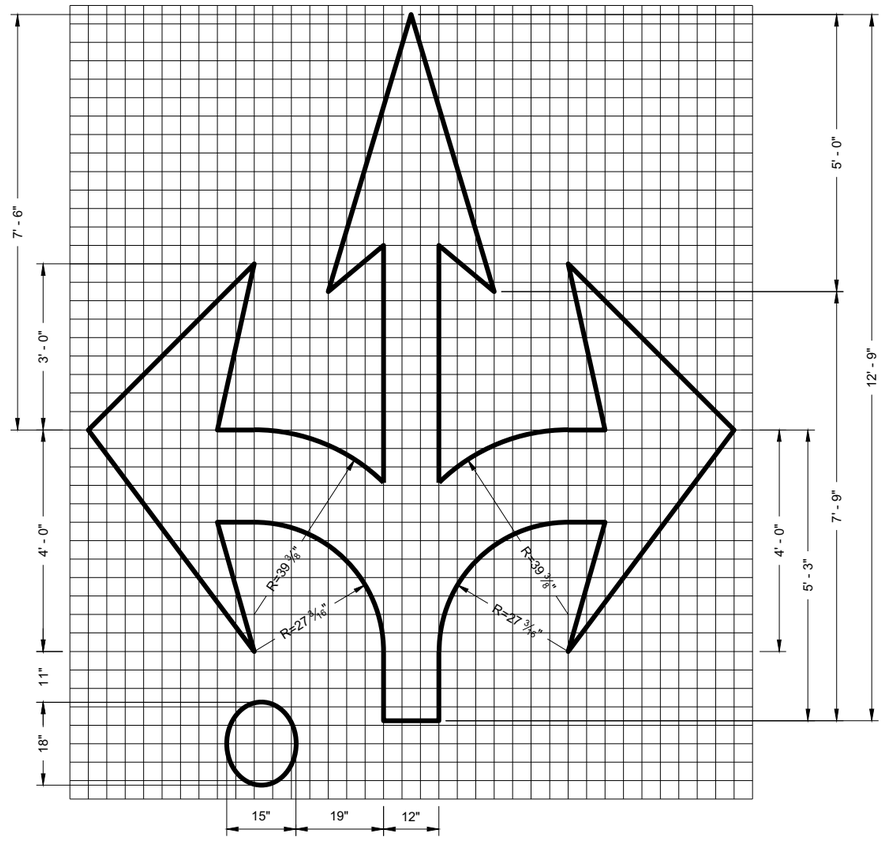
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



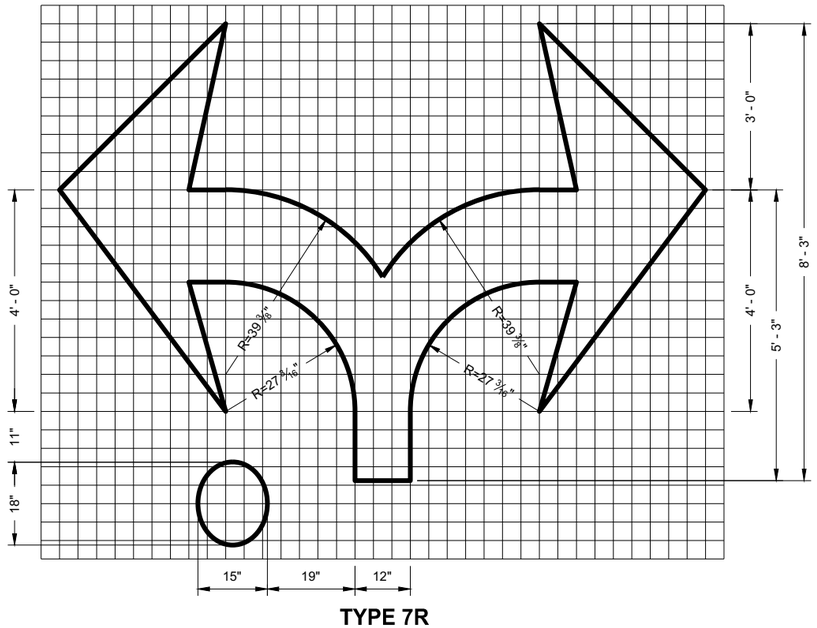
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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SDD15C07 - 15d

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

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

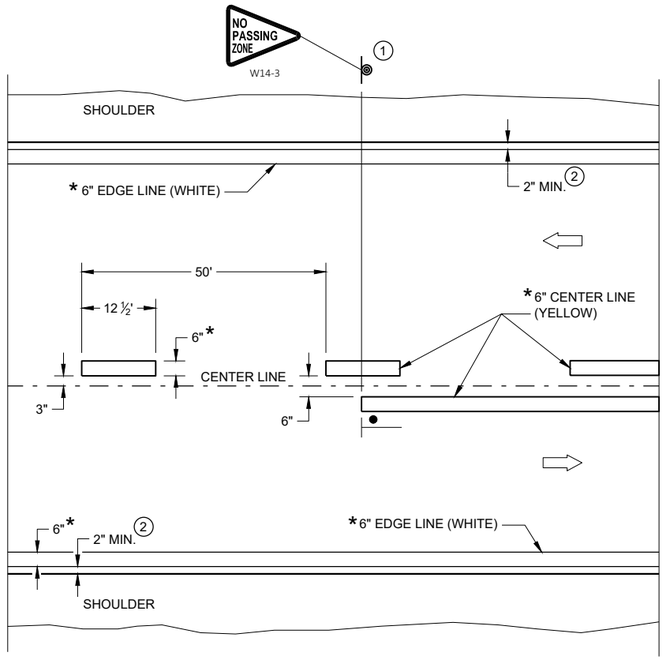
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

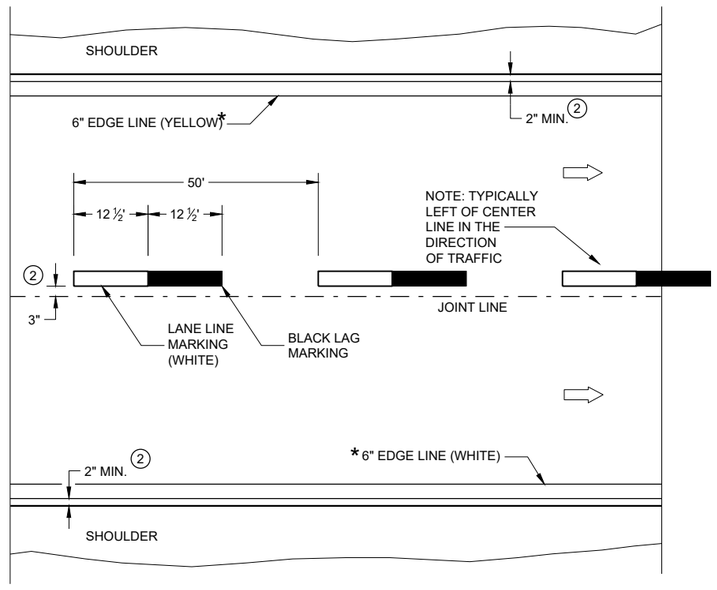
"T" MARKING

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 2023
DATE

/S/ Jeannie Silver
STATEWIDE SIGNING AND M
ENGINEER

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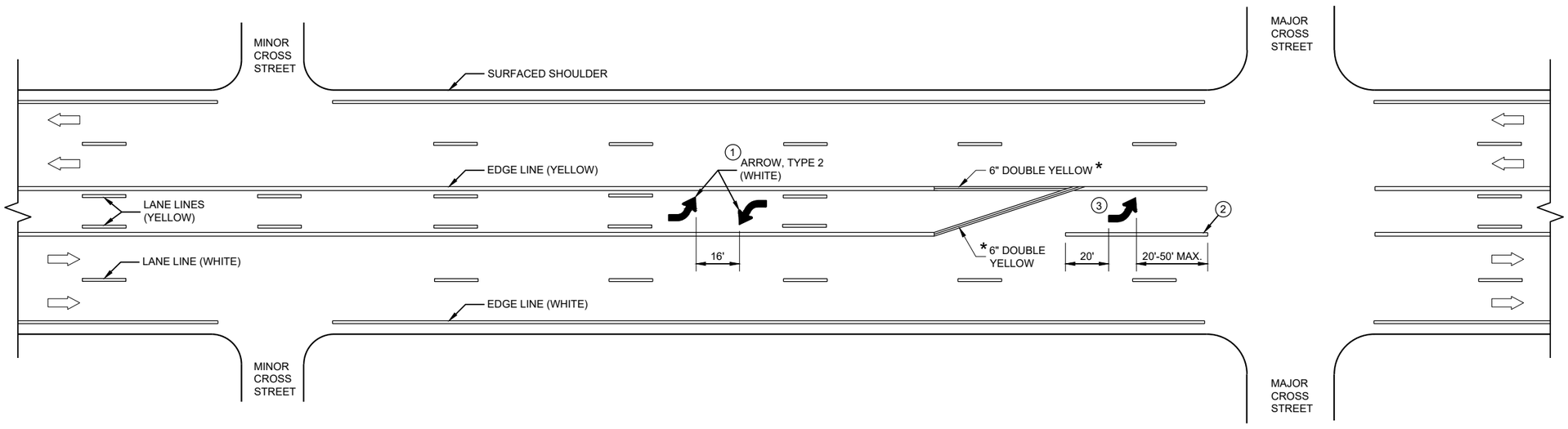
GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 180

SDD 15C08-23c

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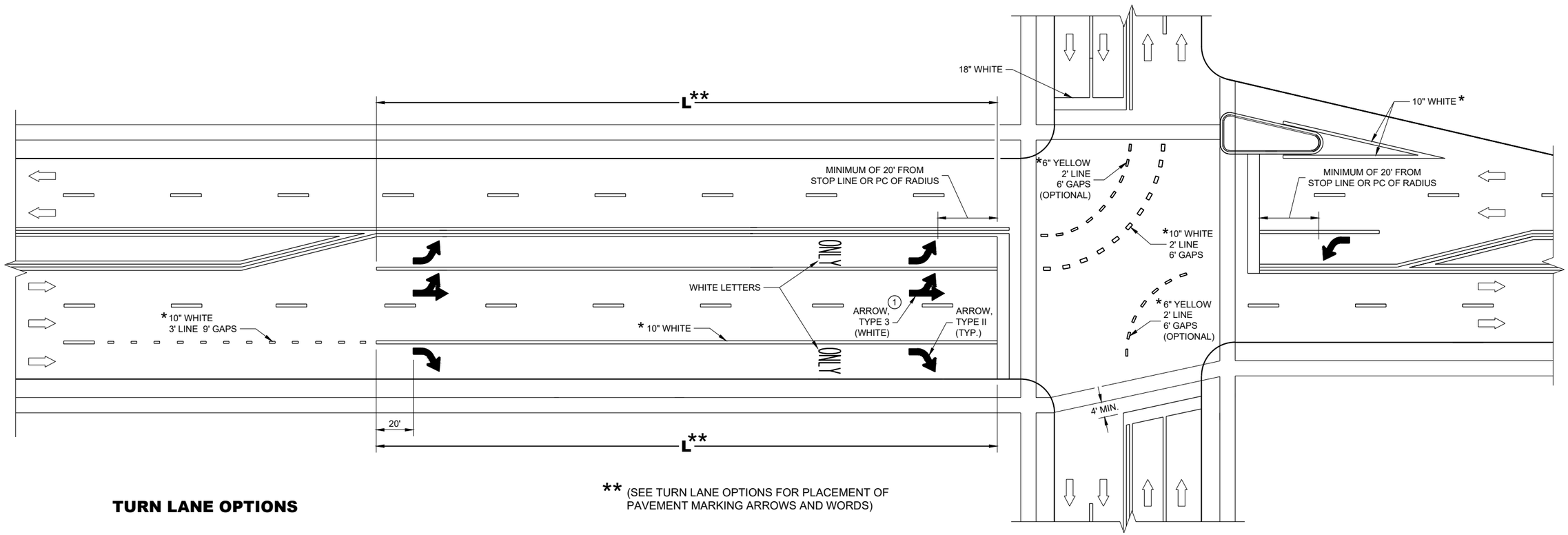
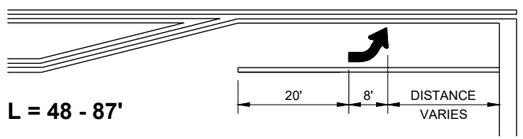


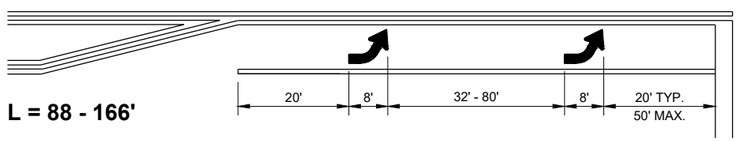
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

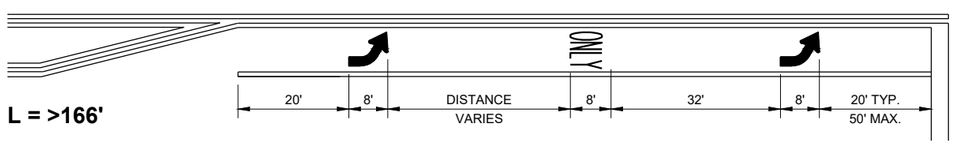
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 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

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

SDD 15C08-23d

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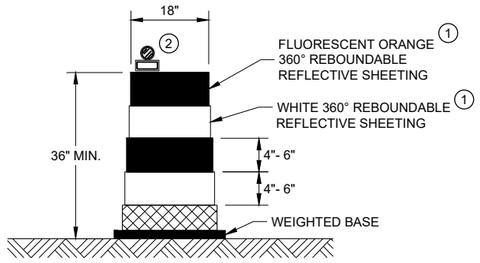
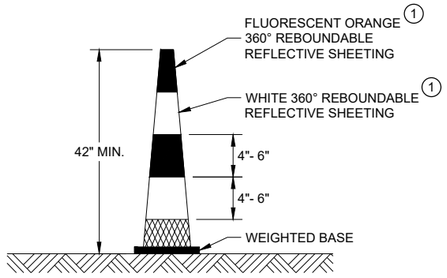
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

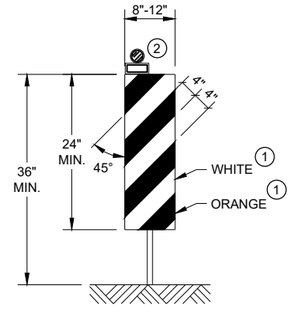
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

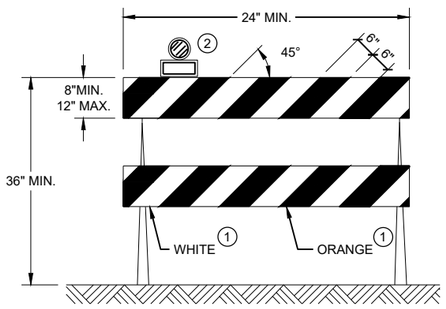
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



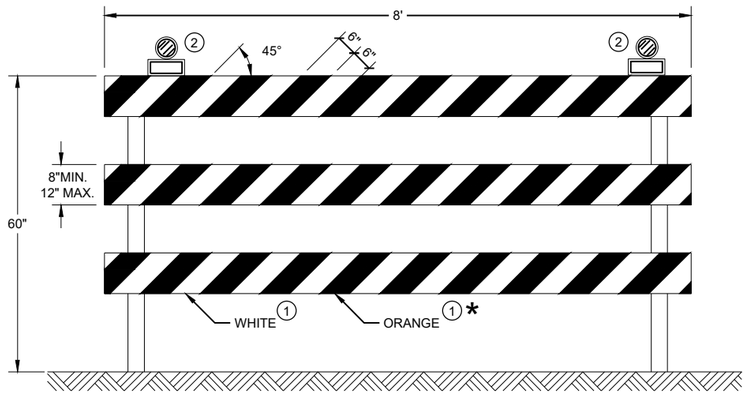
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
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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.

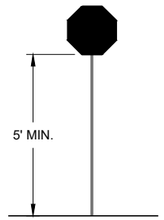
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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.



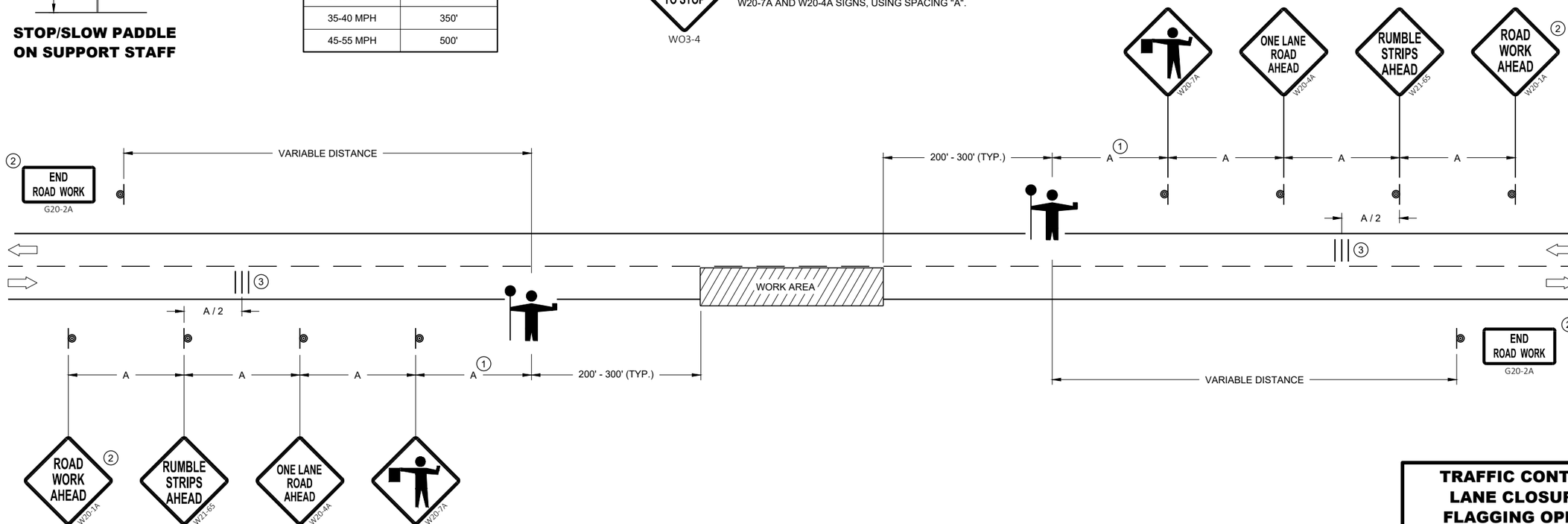
STOP/SLOW PADDLE ON SUPPORT STAFF

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

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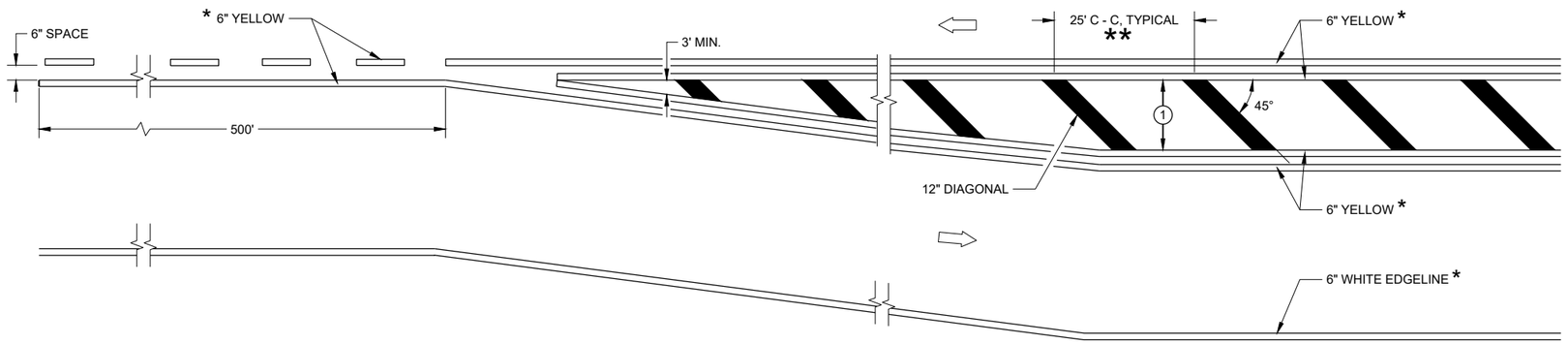


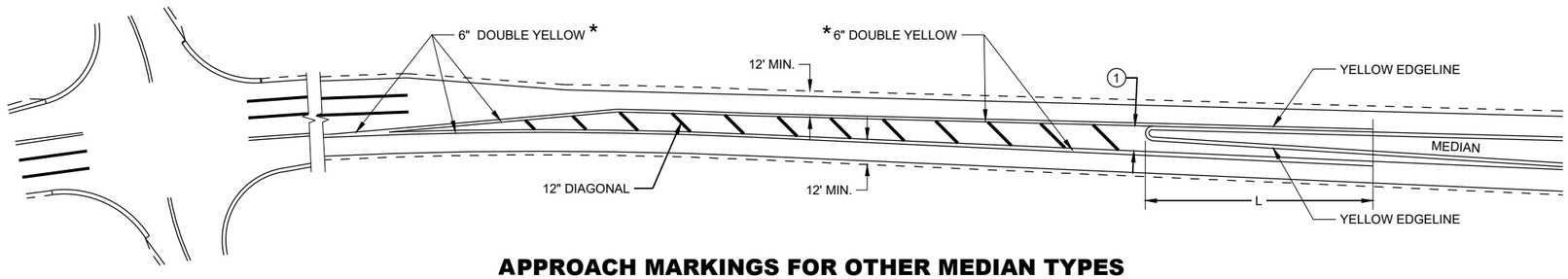
MEDIAN ISLAND DETAIL

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.

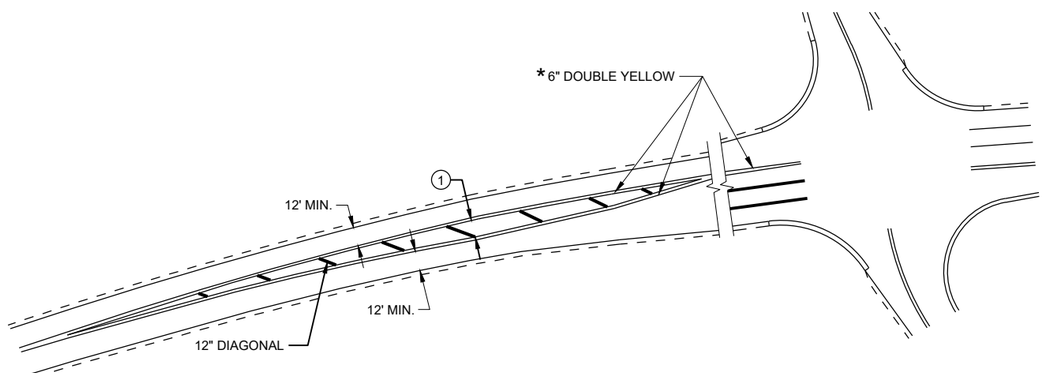
⇨ DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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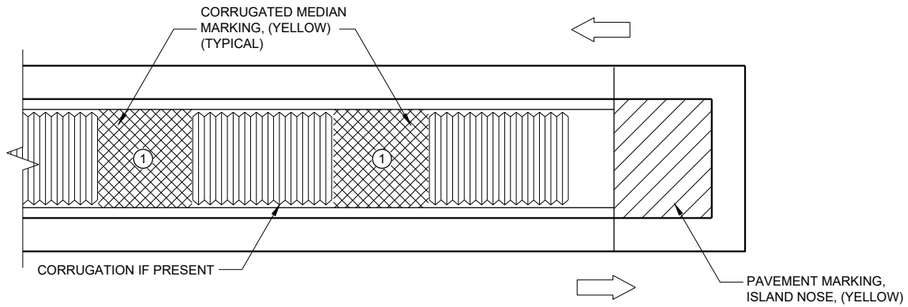
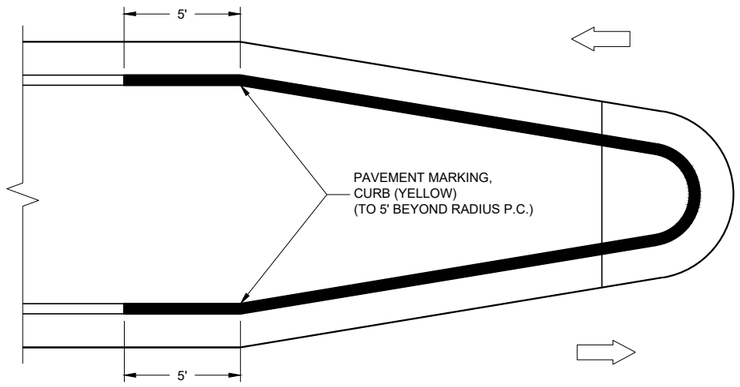
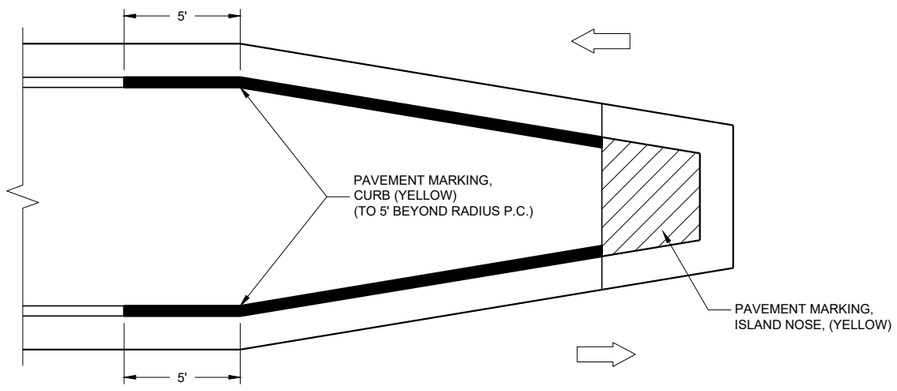


MEDIAN ISLAND WITH SQUARE BLUNT NOSE



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

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STATE SIGNING AND MAR ENGINEER

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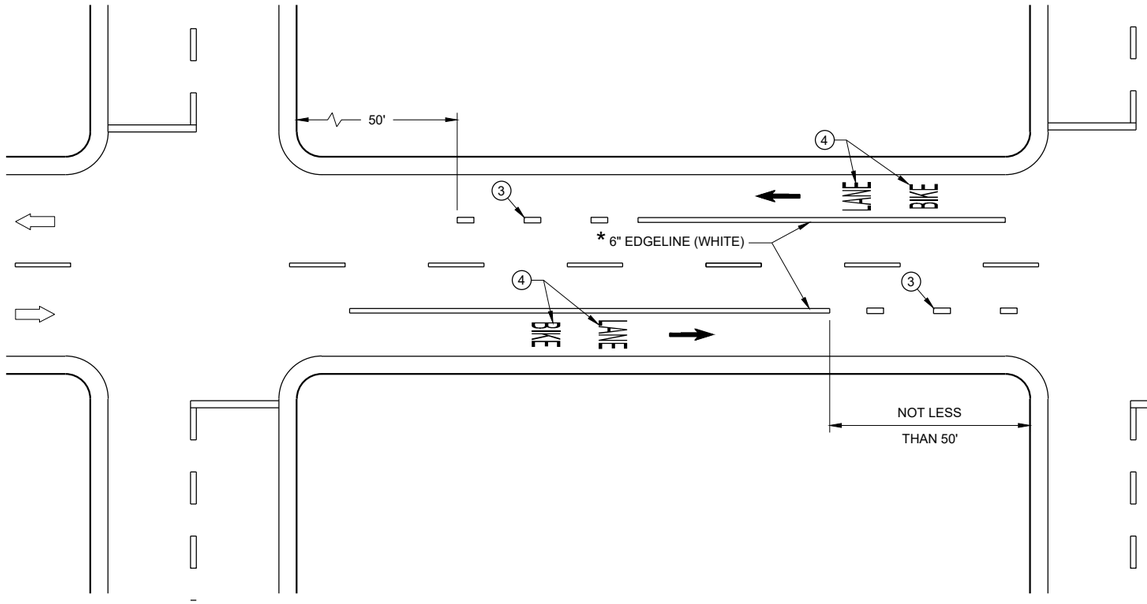
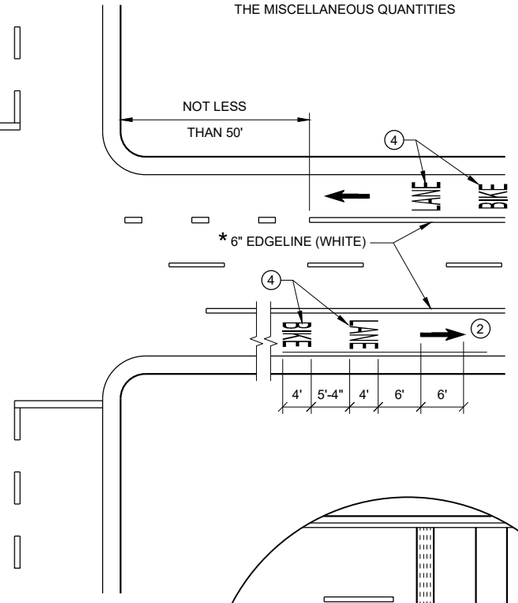




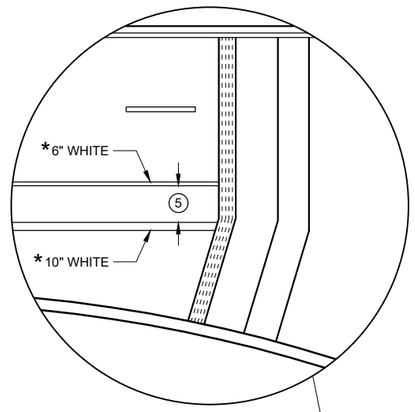
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

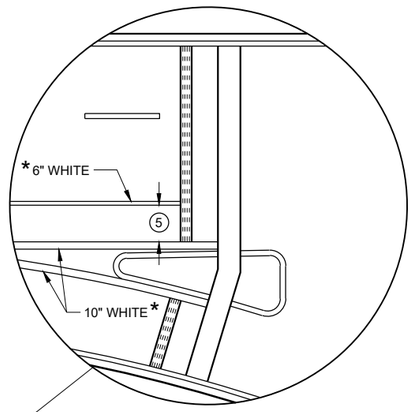
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

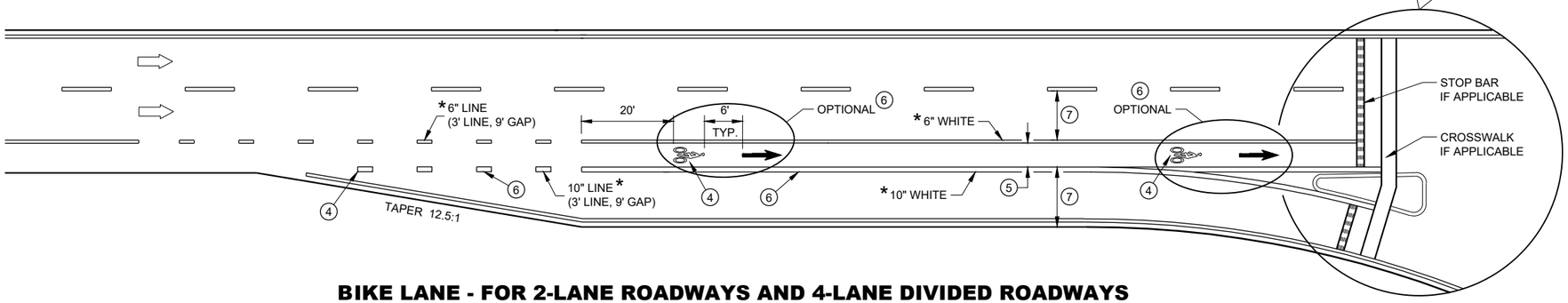
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
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GENERAL NOTES

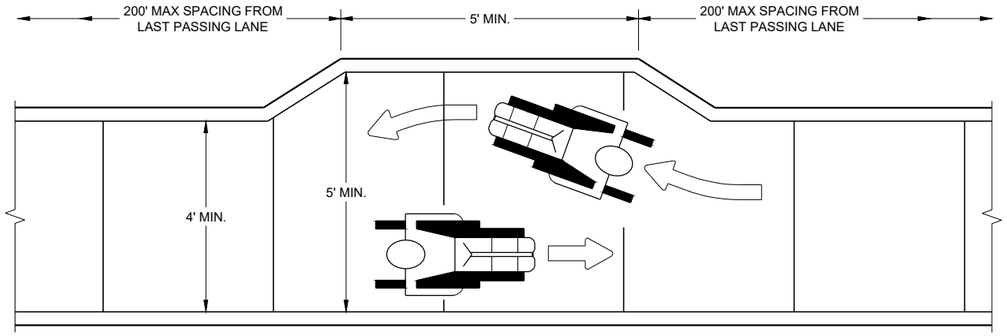
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

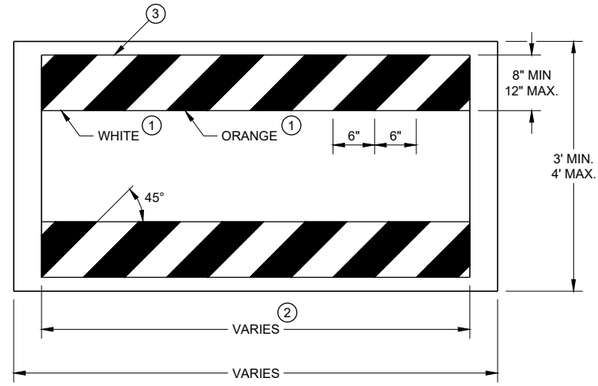
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

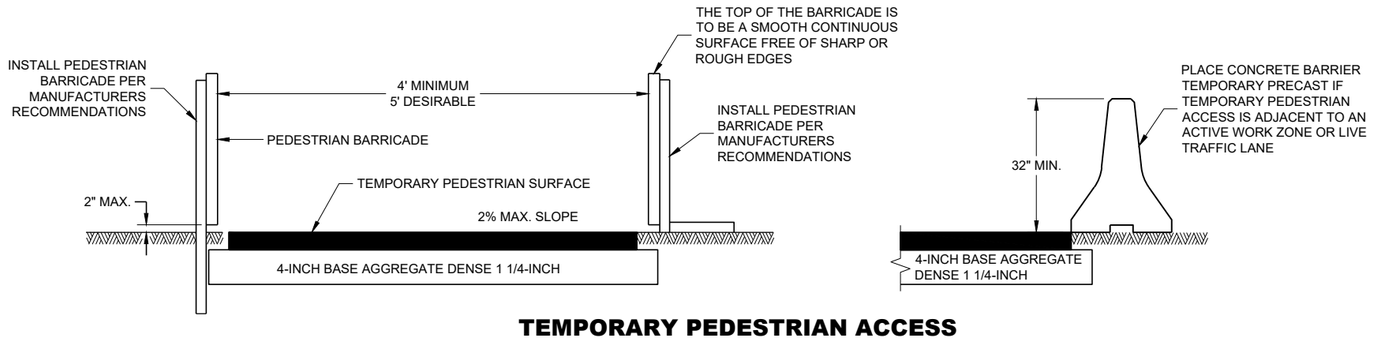
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

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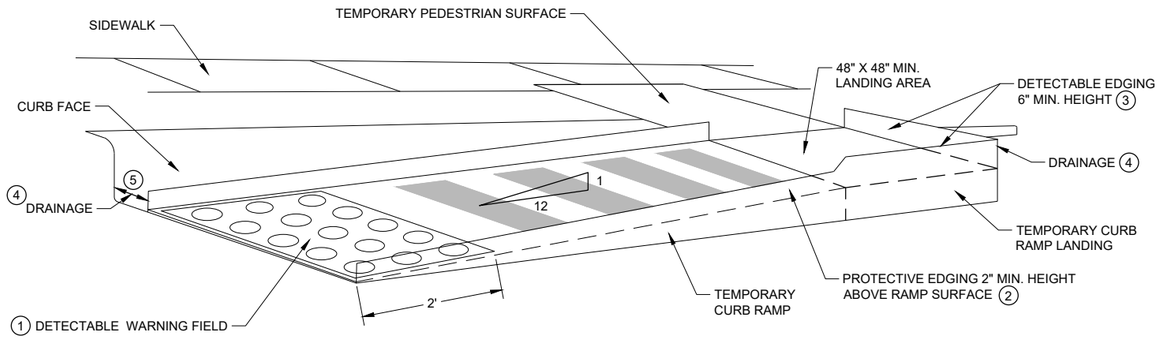
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



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.

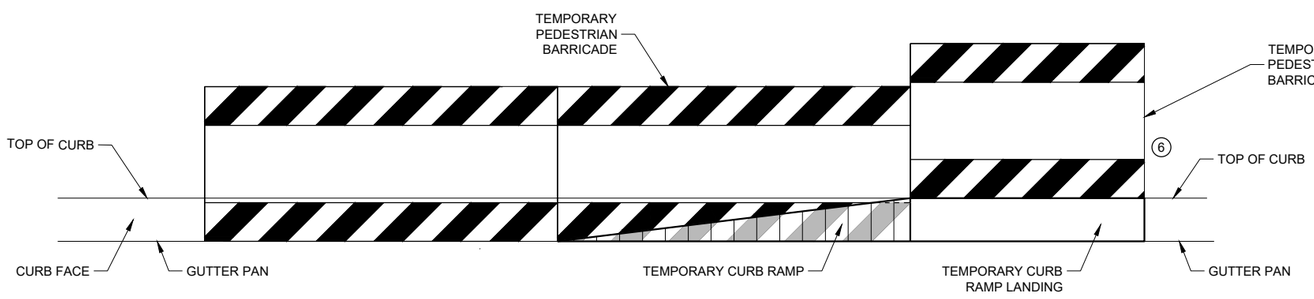
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

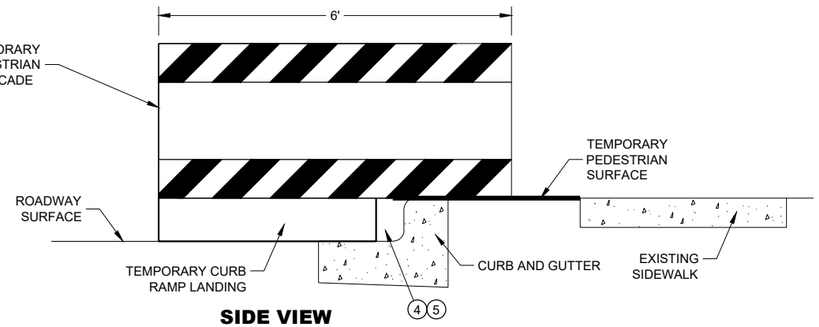
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(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

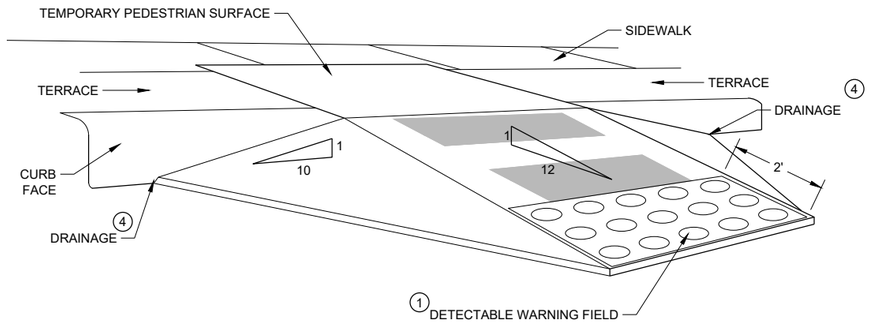
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

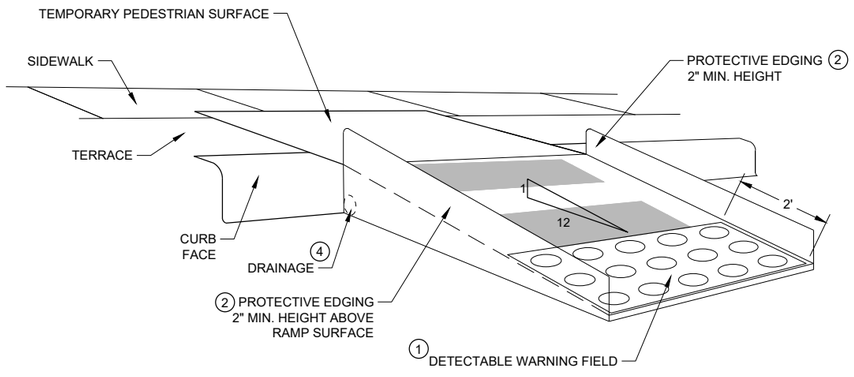
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

SDD 15D30 - 09b



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

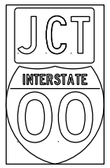
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

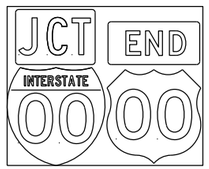
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

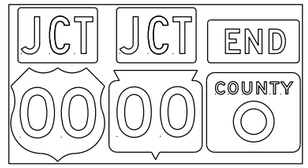
TYPICAL ASSEMBLIES



J1-1



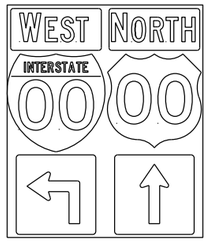
J1-2



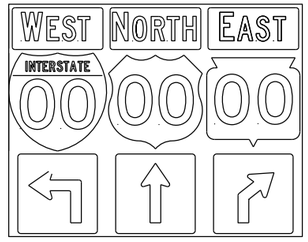
J1-3

JR1-1

J2-1

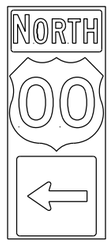


J2-2

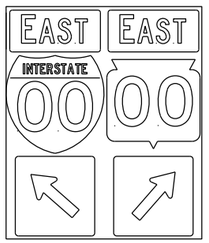


J2-3

JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



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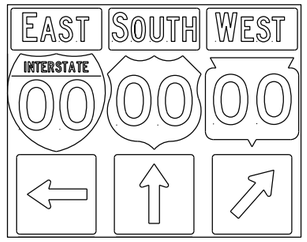
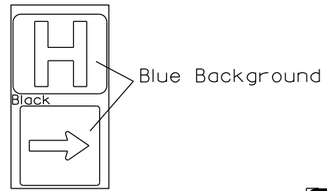
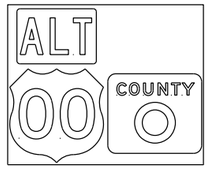


J3-3

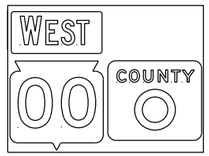


JH-1

J4-1

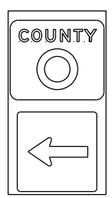


J4-2



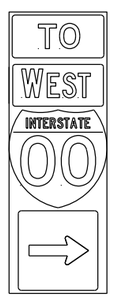
J4-2

J12-1



J13-1

J32-1



J33-1

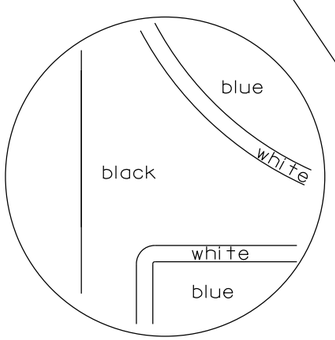
J22-1

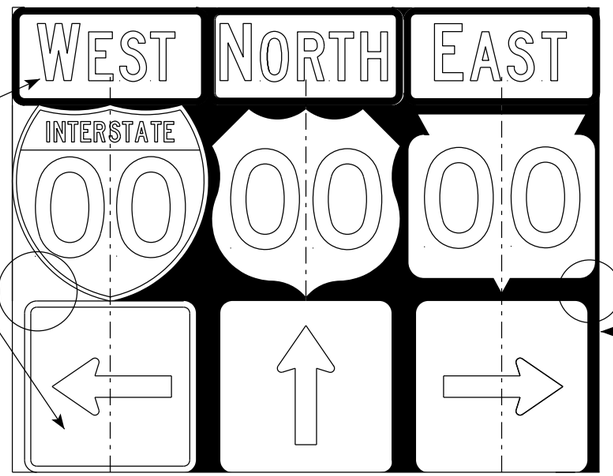
J23-1

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

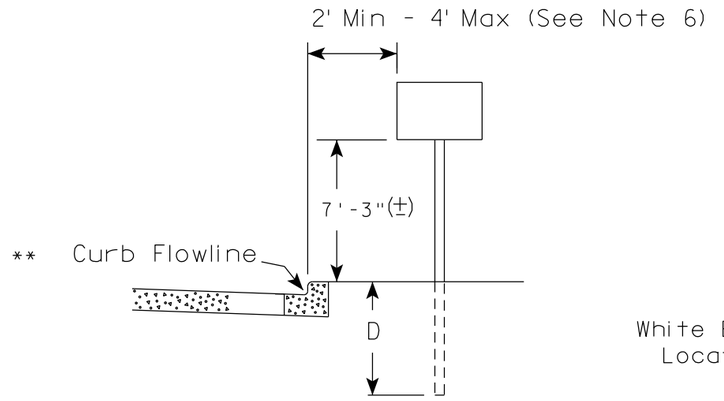
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

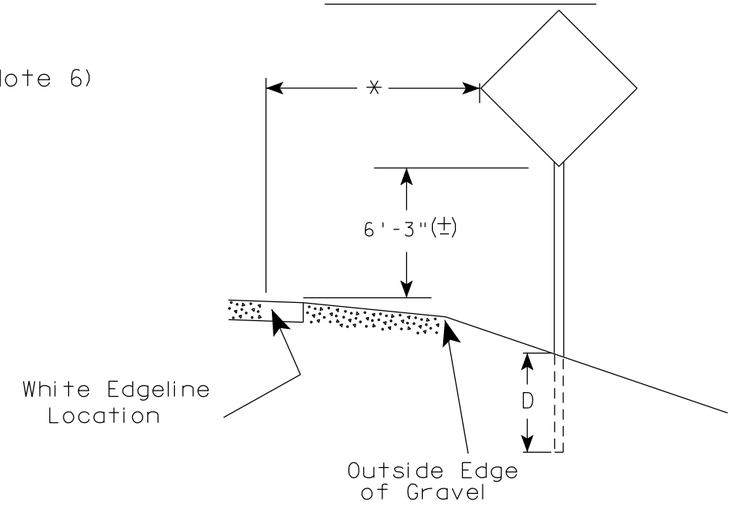
PROJECT NO:

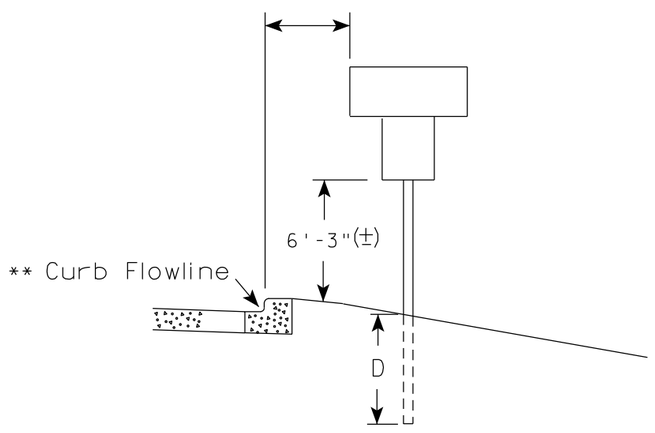
SHEET NO: 190 E

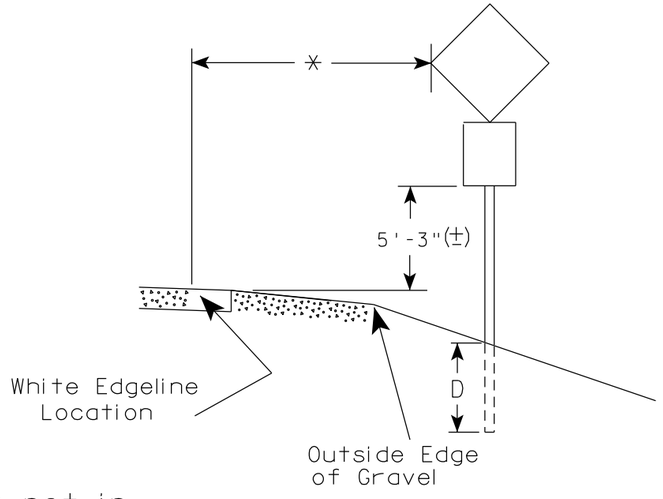
URBAN AREA



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.

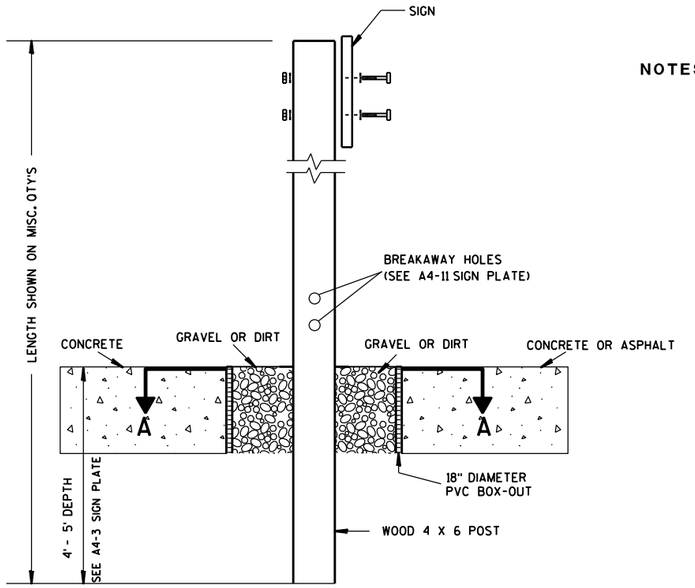
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

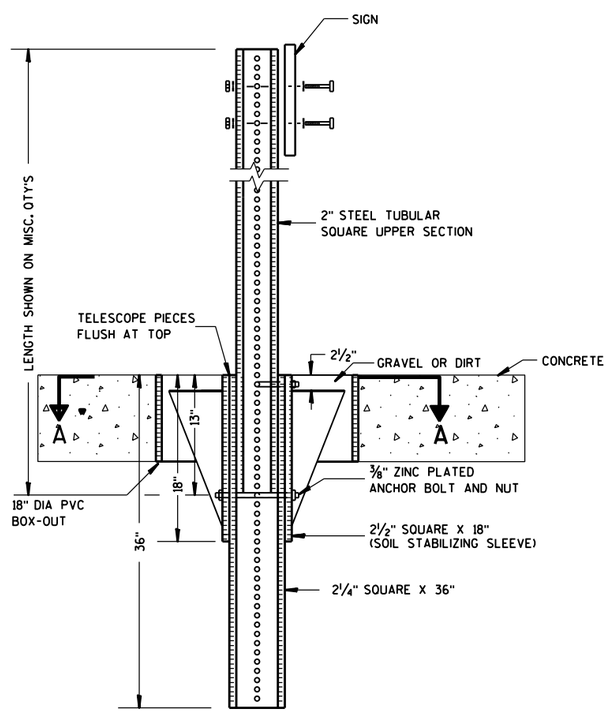
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 191	E



ELEVATION VIEW

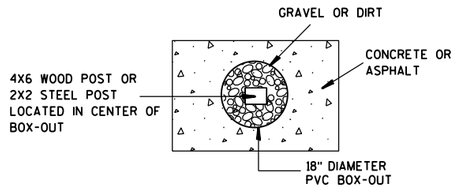
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

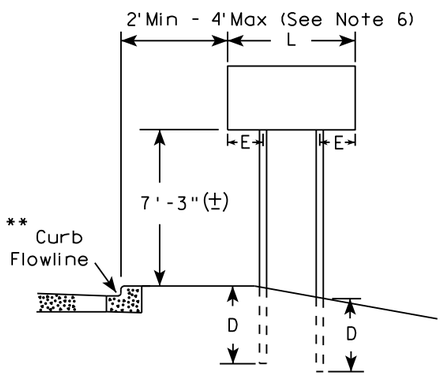
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

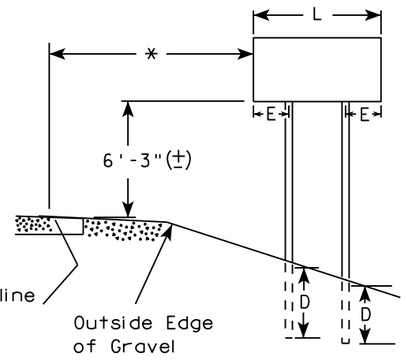
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

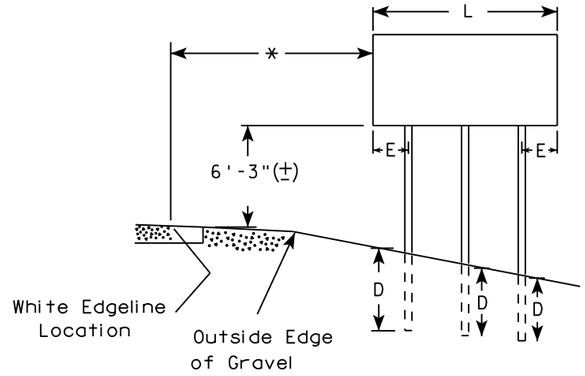
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

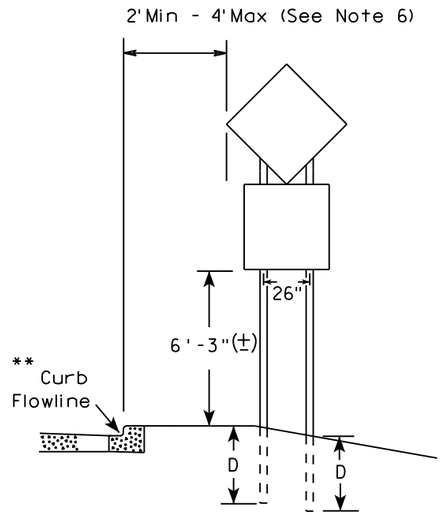
URBAN AREA



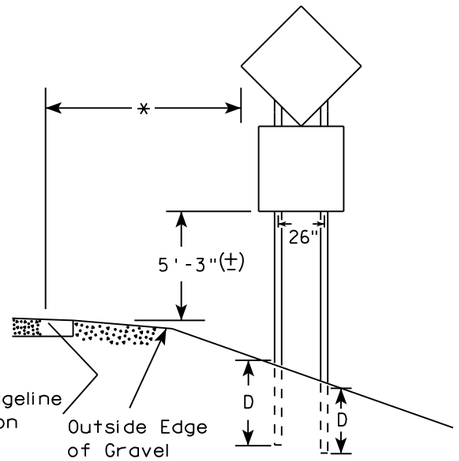
RURAL AREA (See Note 3)







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

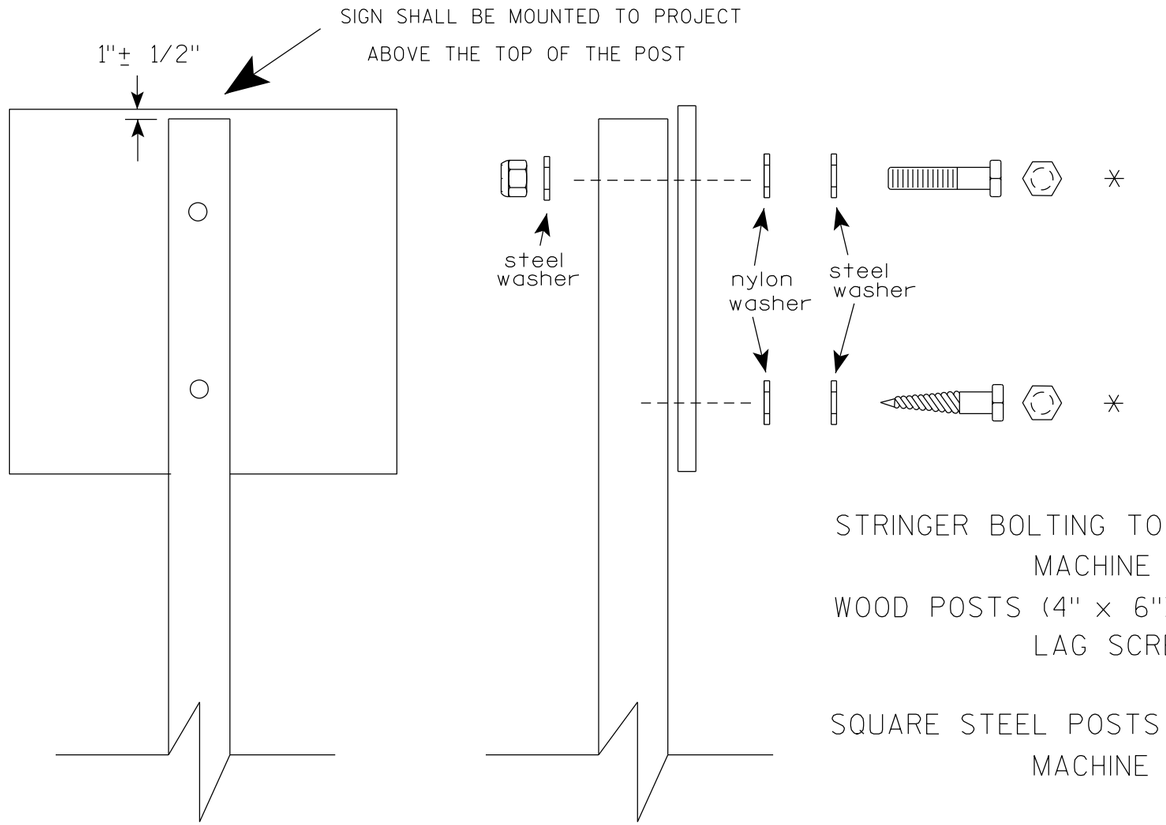
Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

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



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

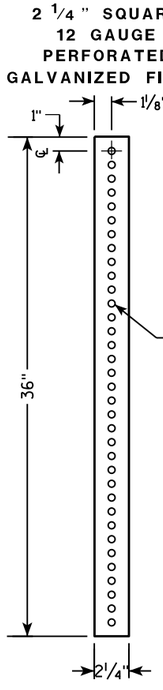
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

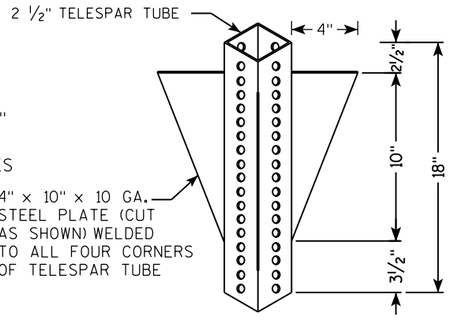
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

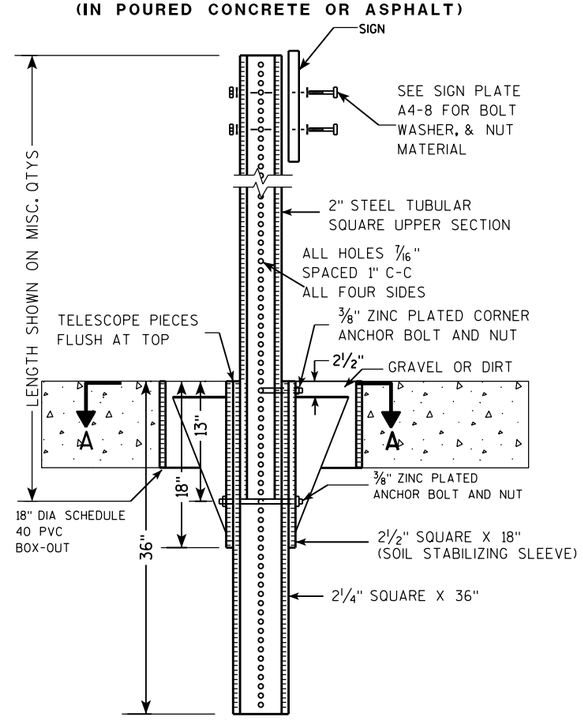
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



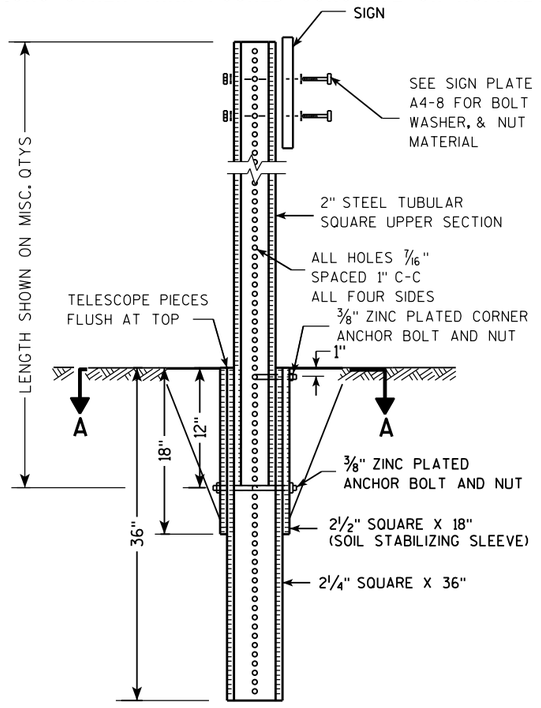
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

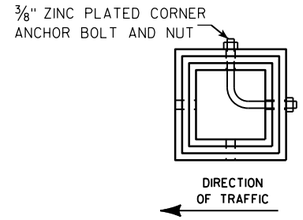


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

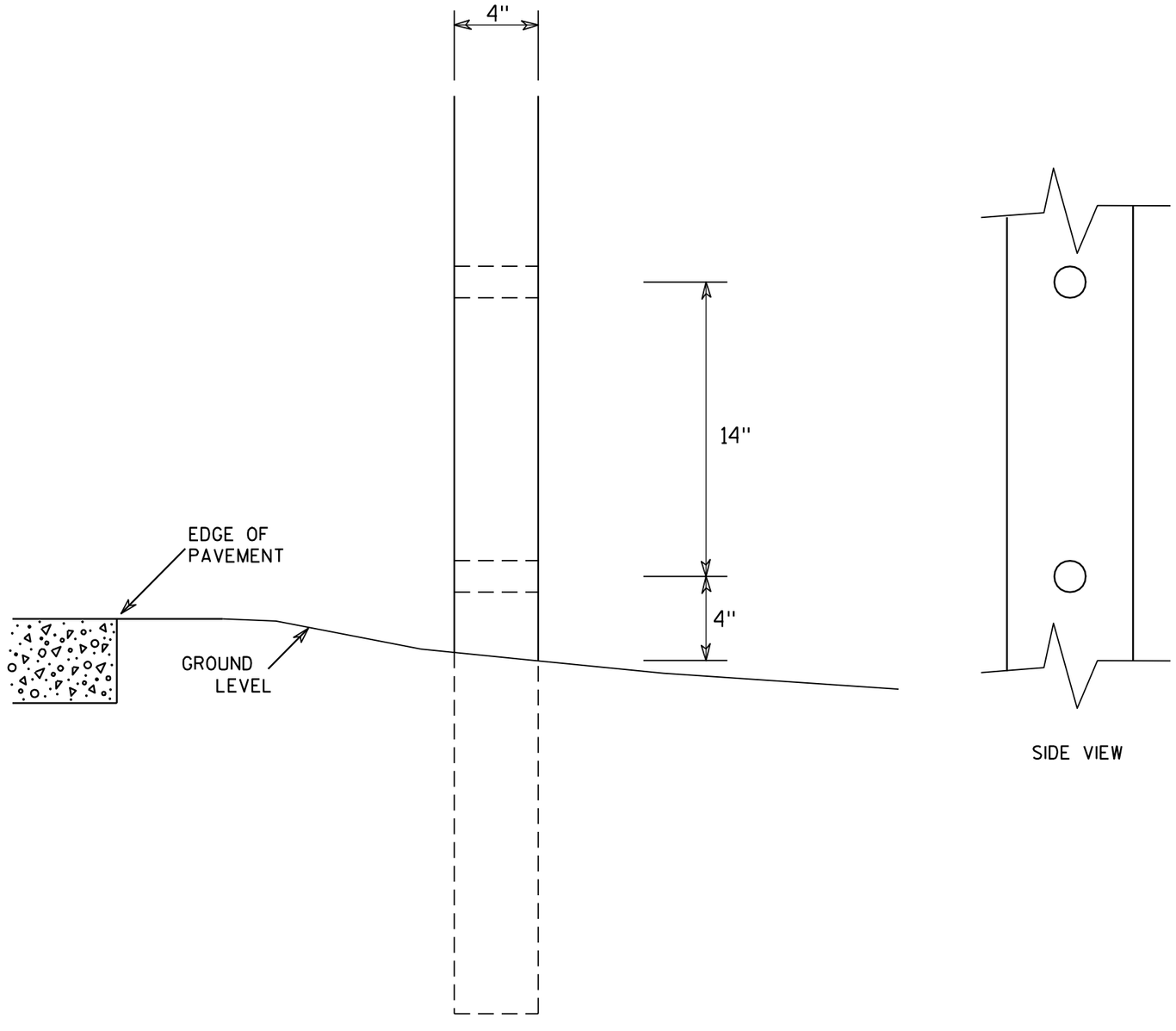
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 195 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

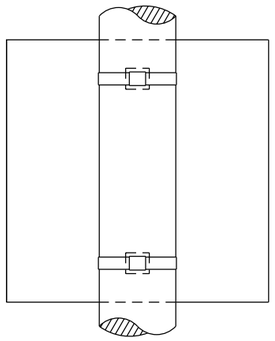
APPROVED Chester J Spang for State Traffic Engineer

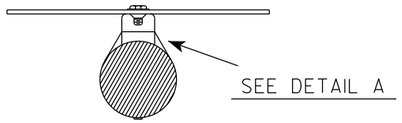
DATE 3/27/97 PLATE NO. A4-11.2

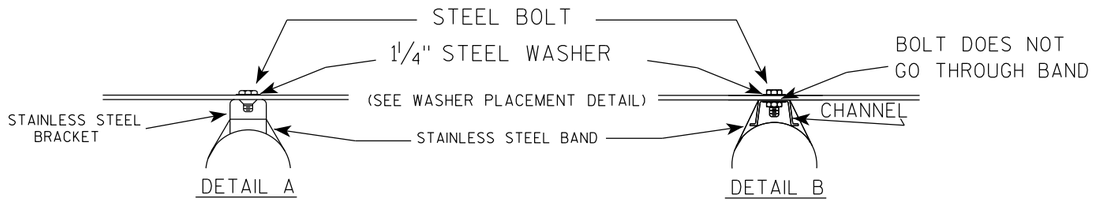
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 196	E

BANDING

SINGLE SIGN



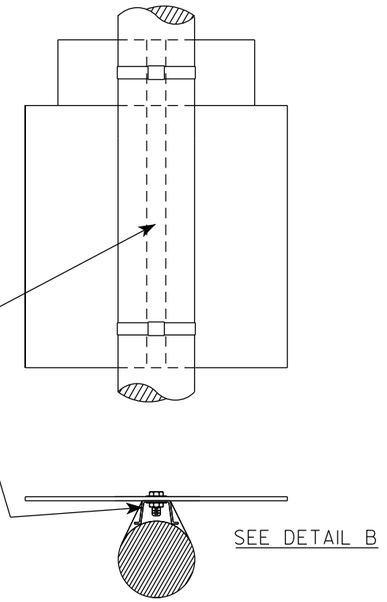




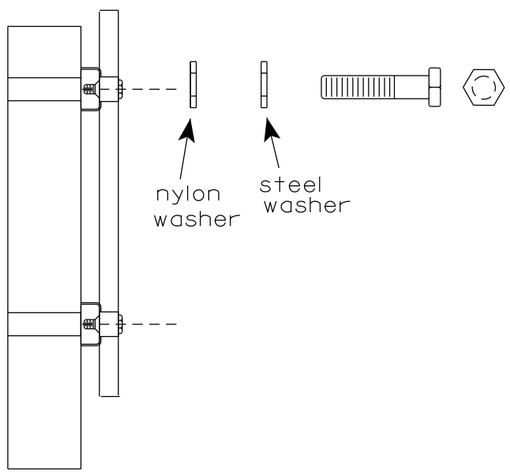
GENERAL NOTES

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

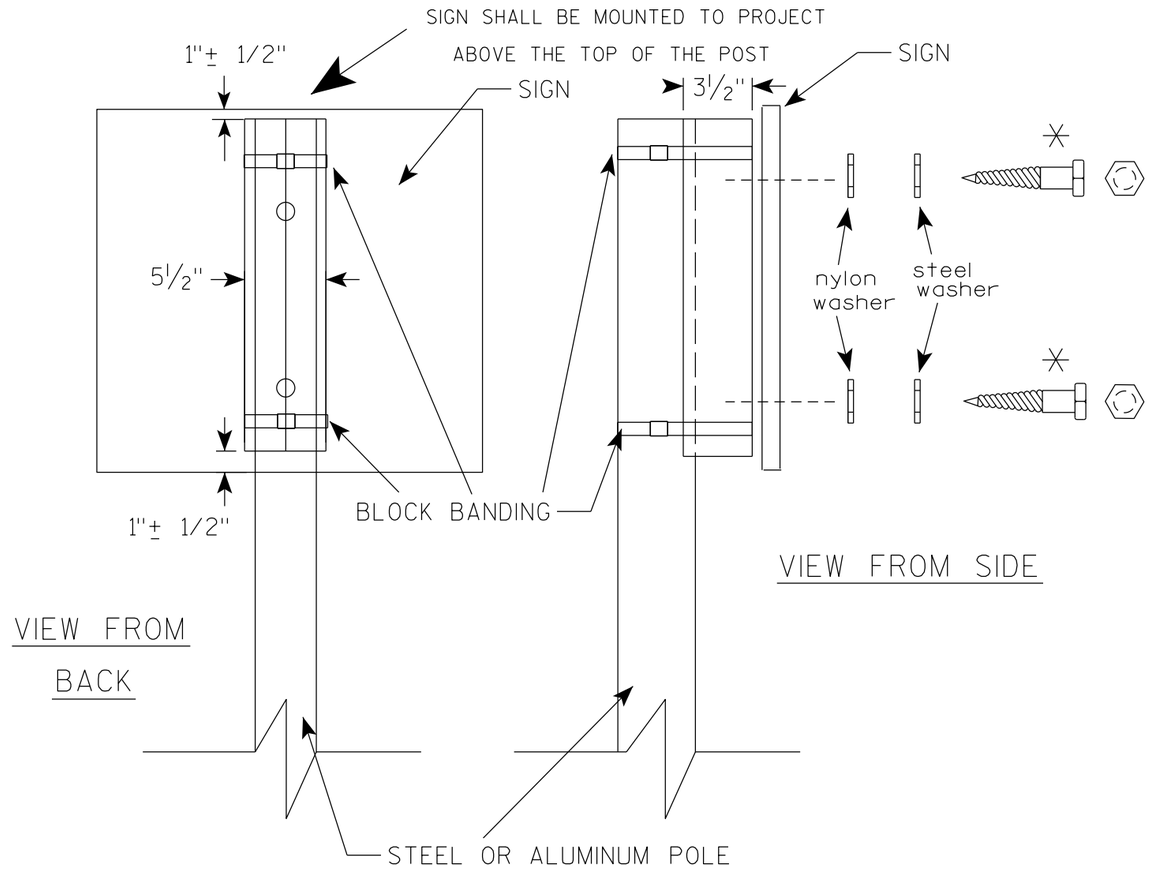
DATE 6/10/19 PLATE NO. A5-9.4

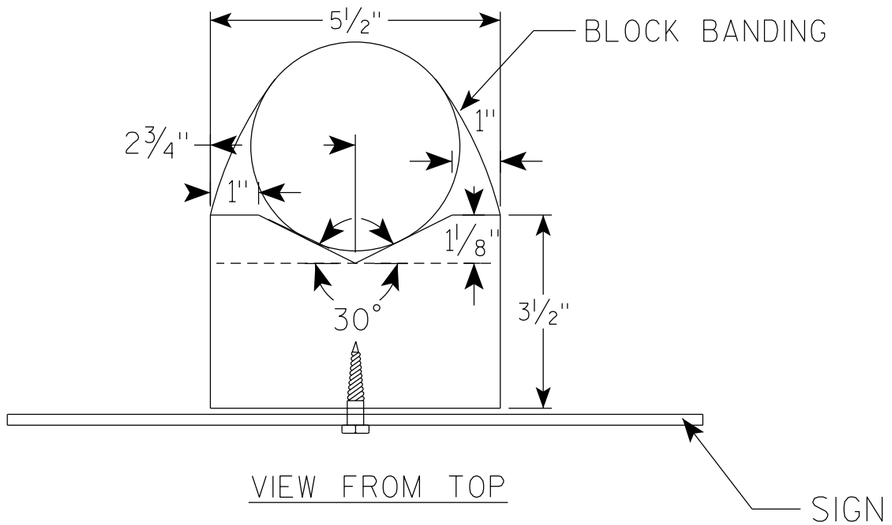
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 197	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

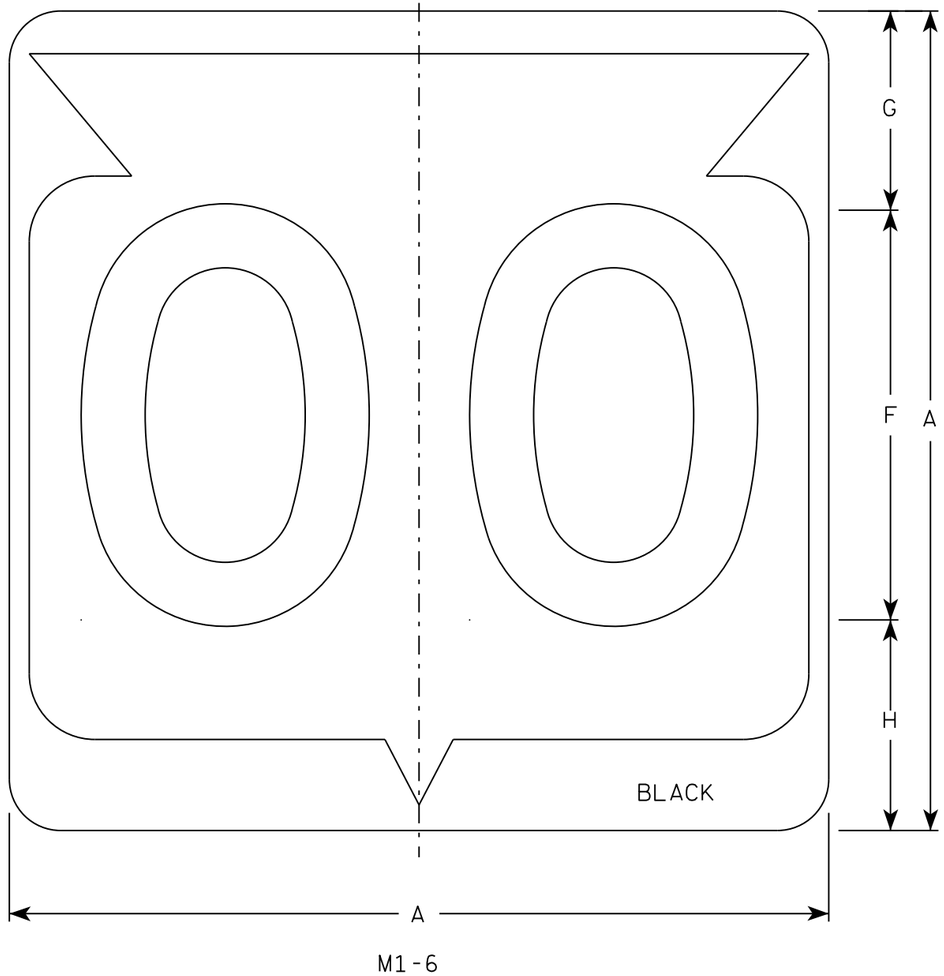
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

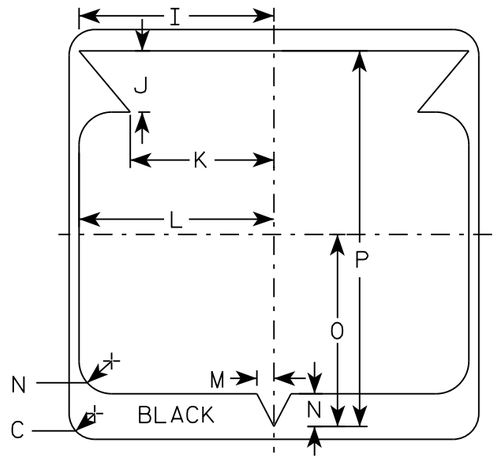
SHEET NO: 198 E



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

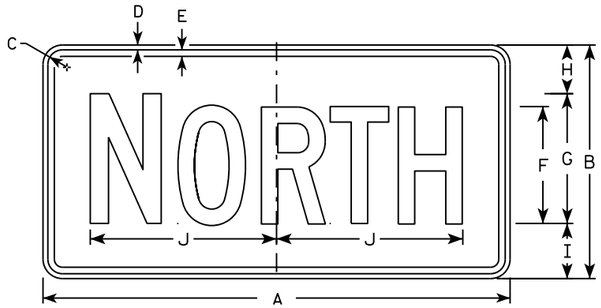
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

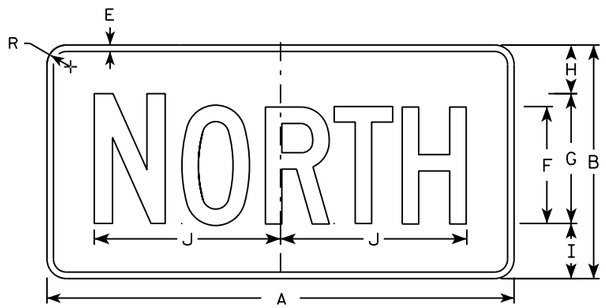
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 199 | E



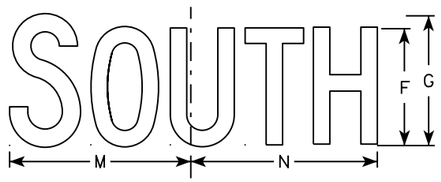
M3-1
MM3-1
MP3-1



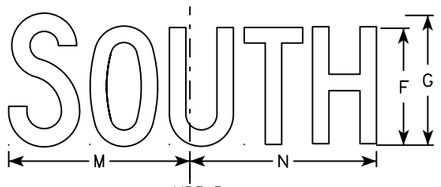
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

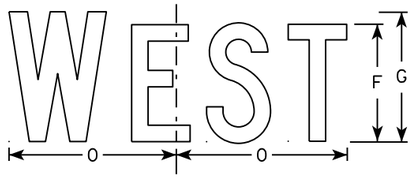
MB3-2
MK3-2
MN3-2



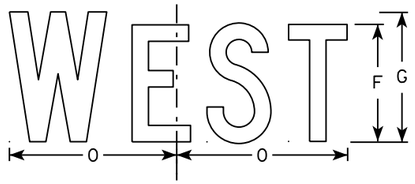
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

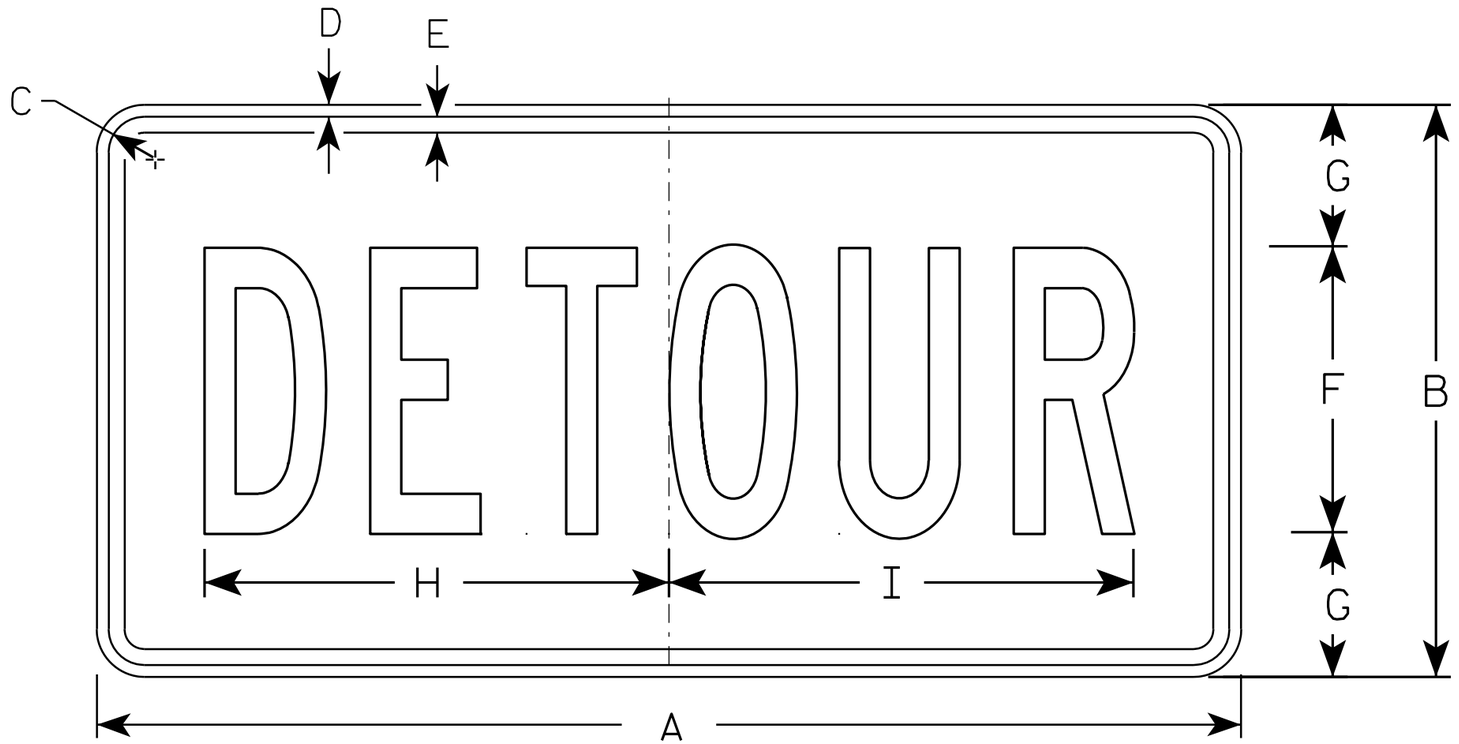
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

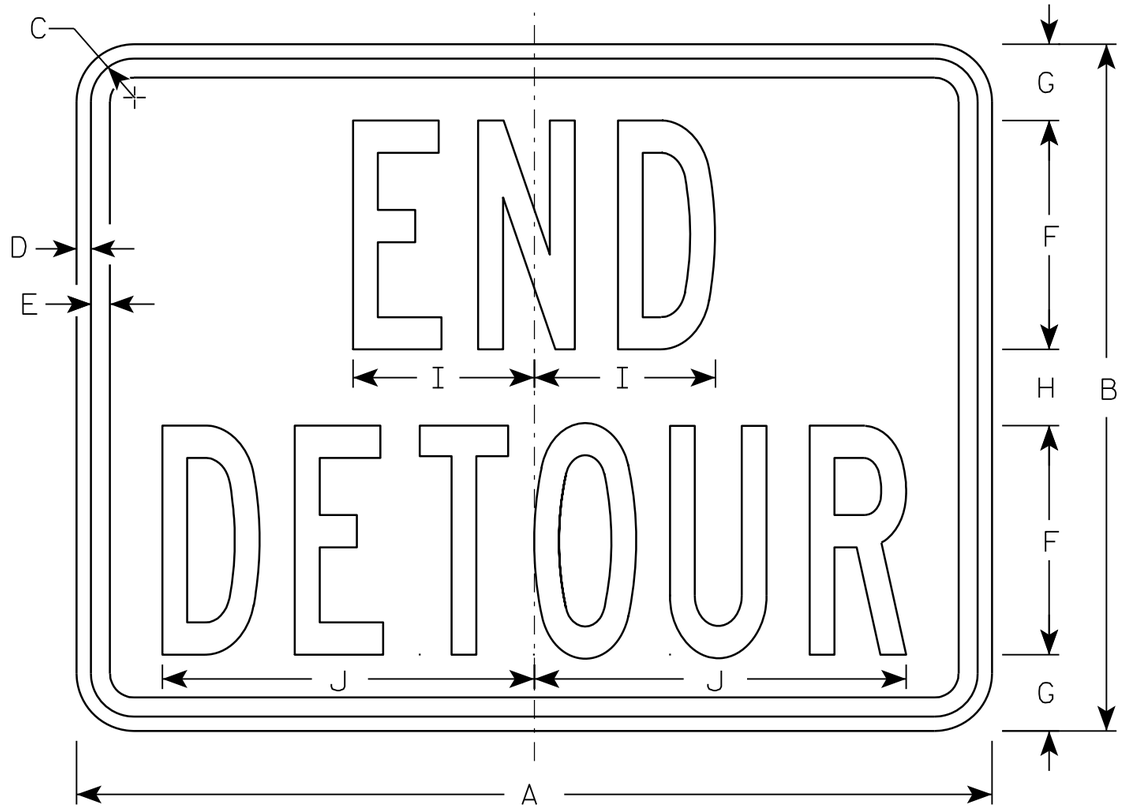
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 201	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																											

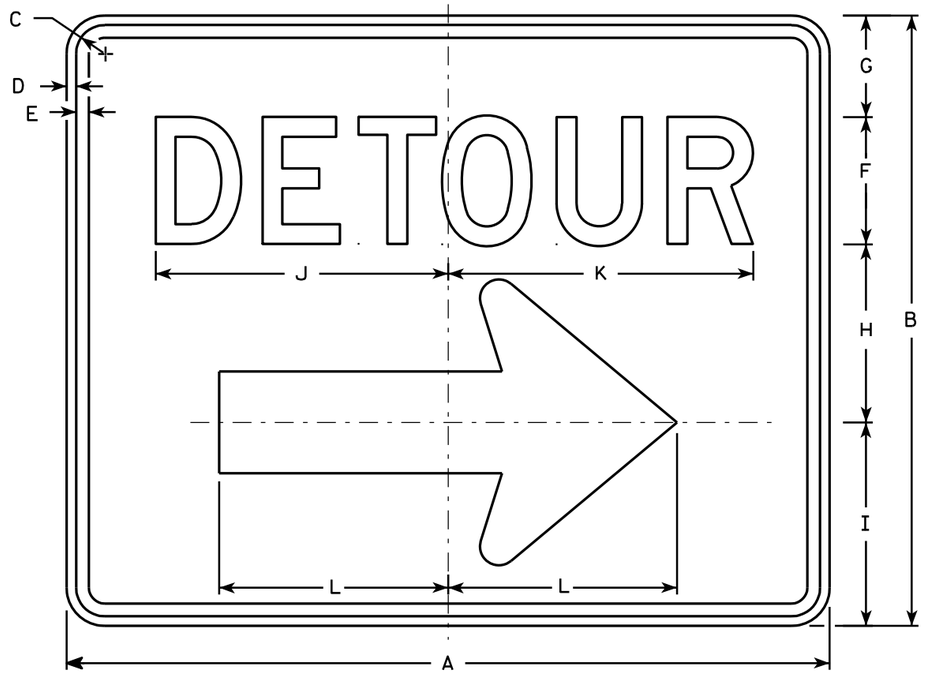
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

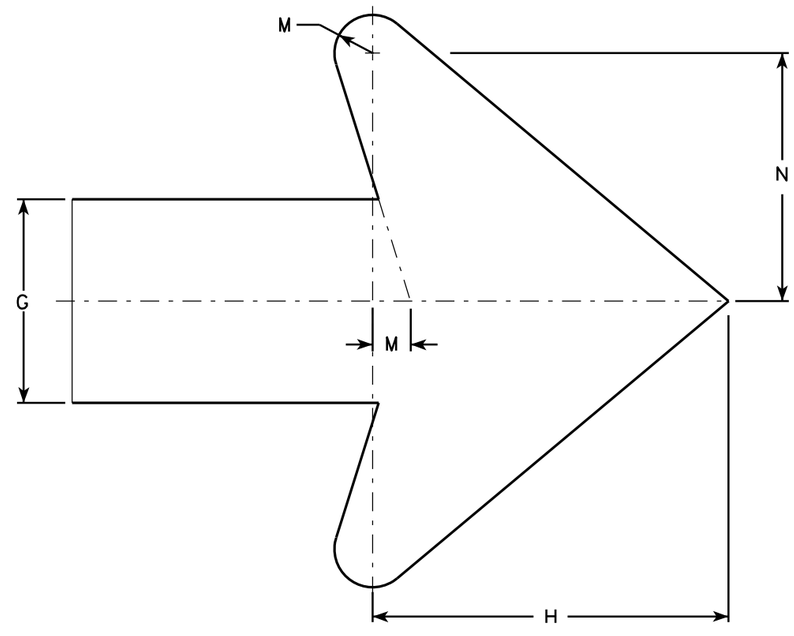
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 202	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

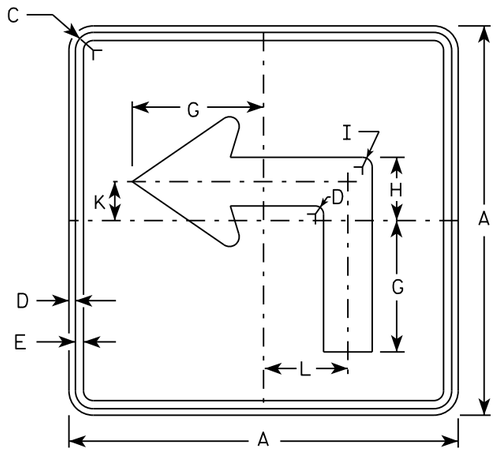
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

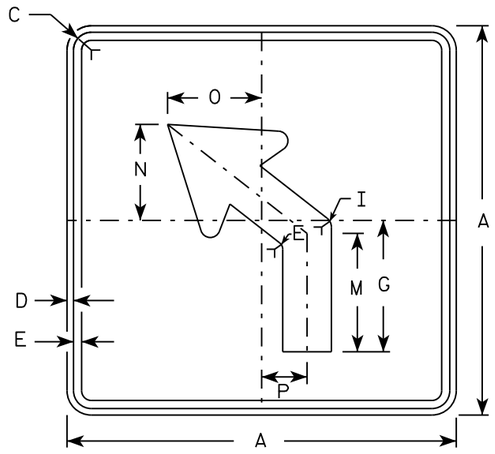
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

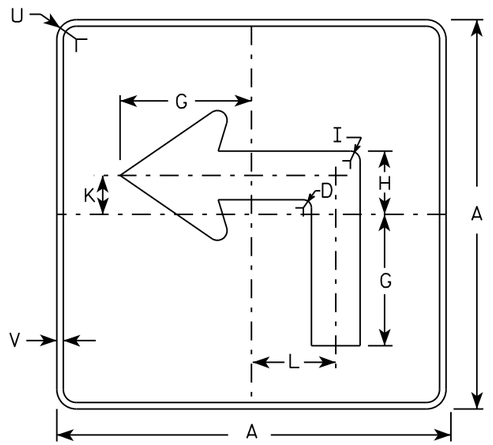
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 203	E



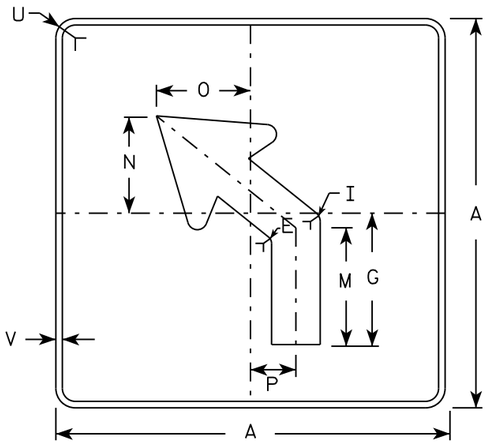
M5-1L
MM5-1L
MO5-1L
MP5-1L



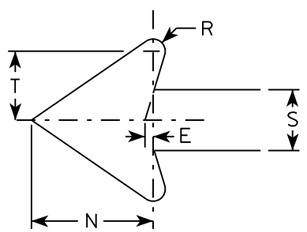
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

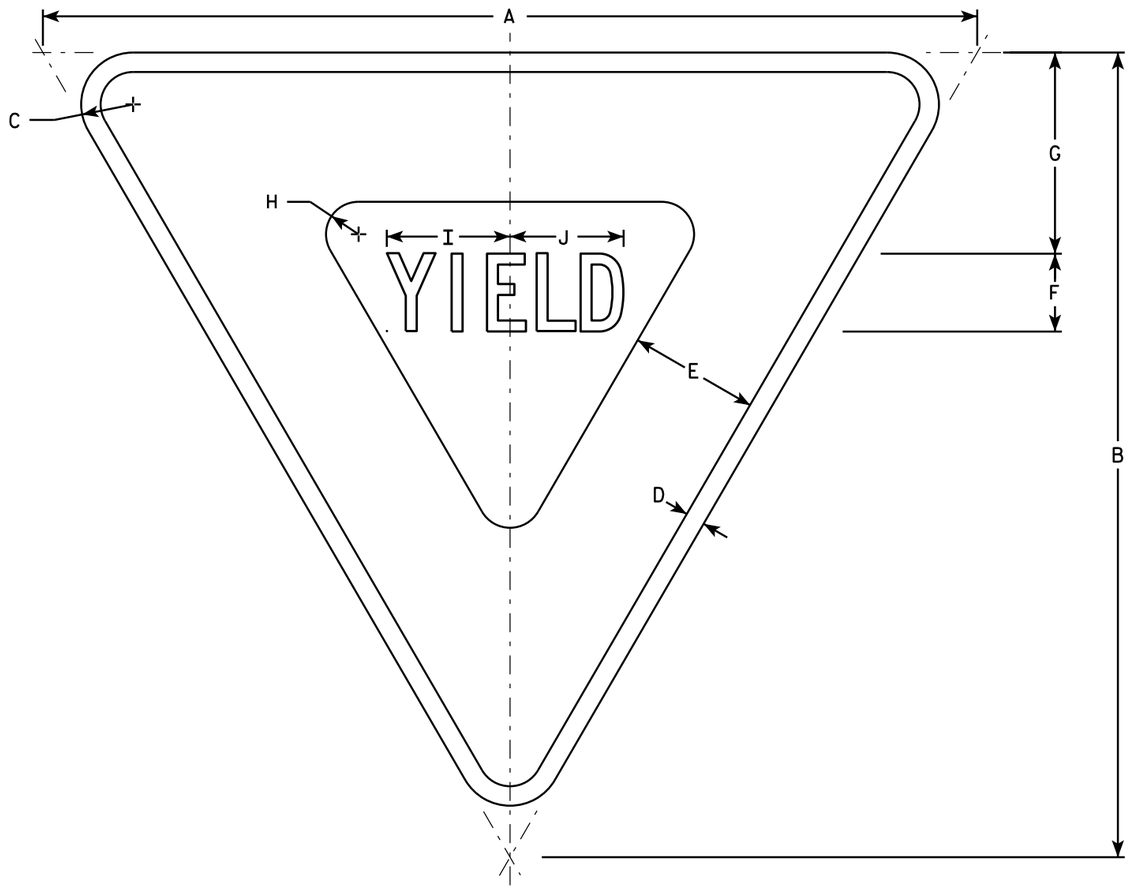
WISCONSIN DEPT OF TRANSPORTATION

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



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

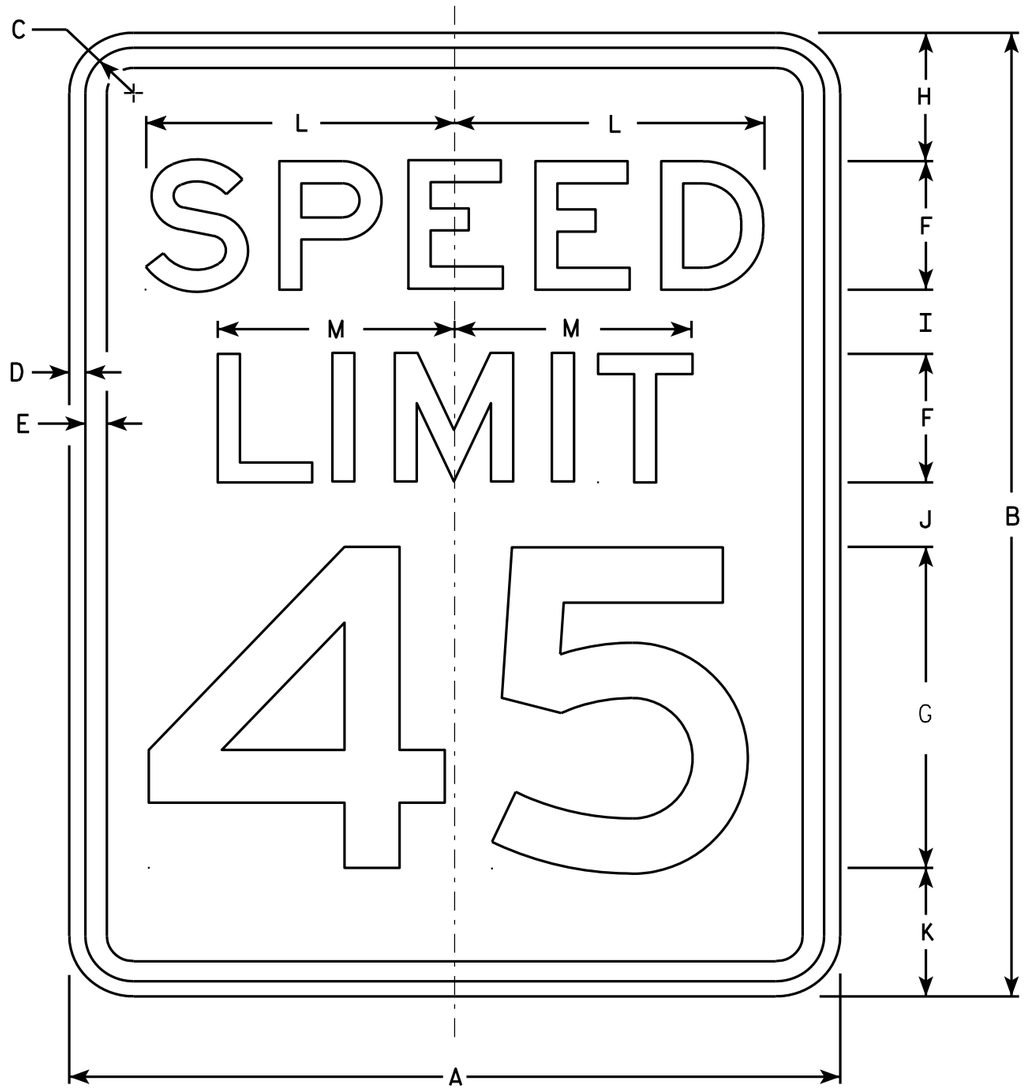
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE P1-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

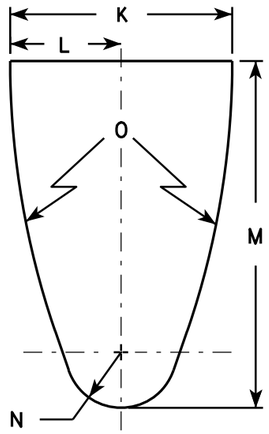
STANDARD SIGN
R2-1

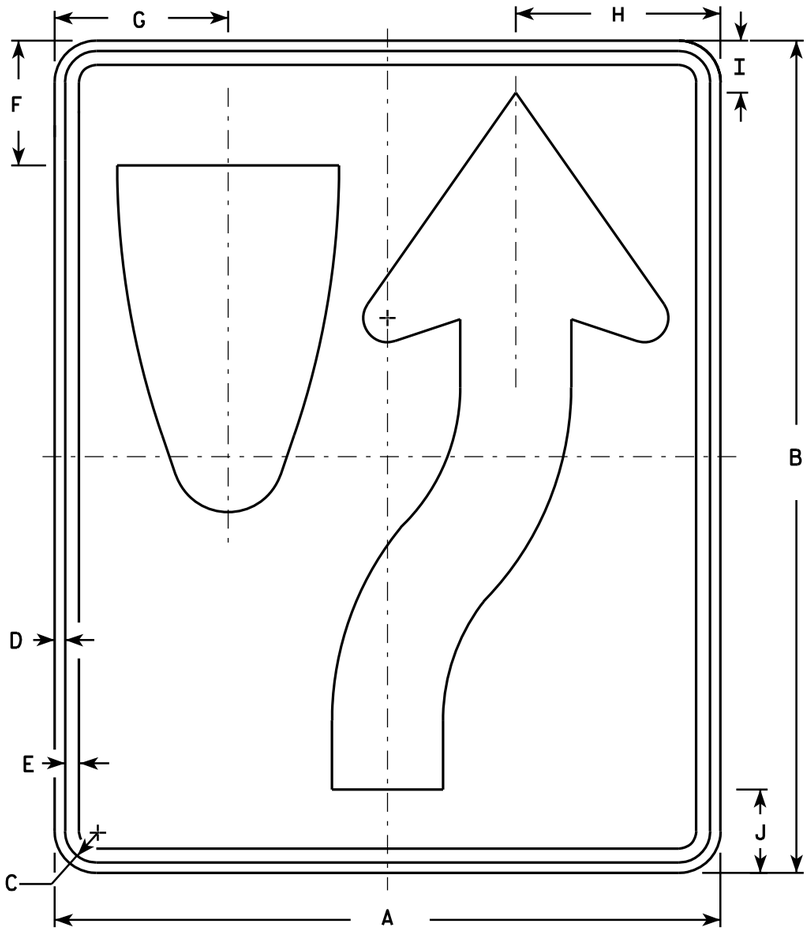
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 206	E

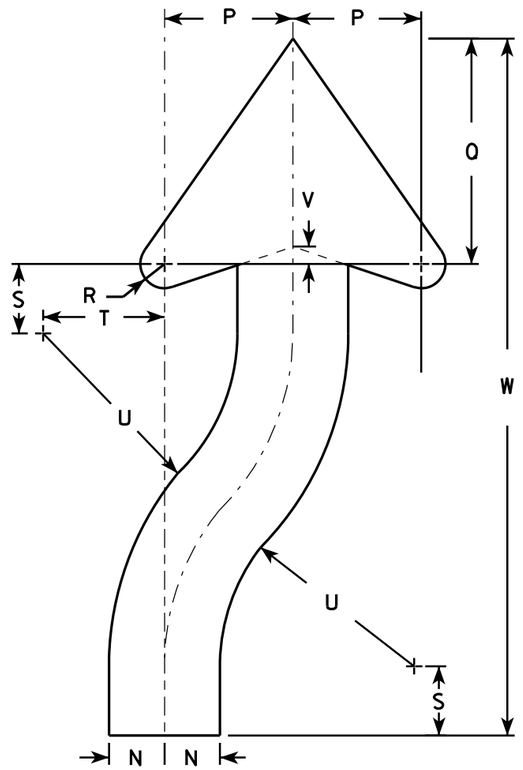




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

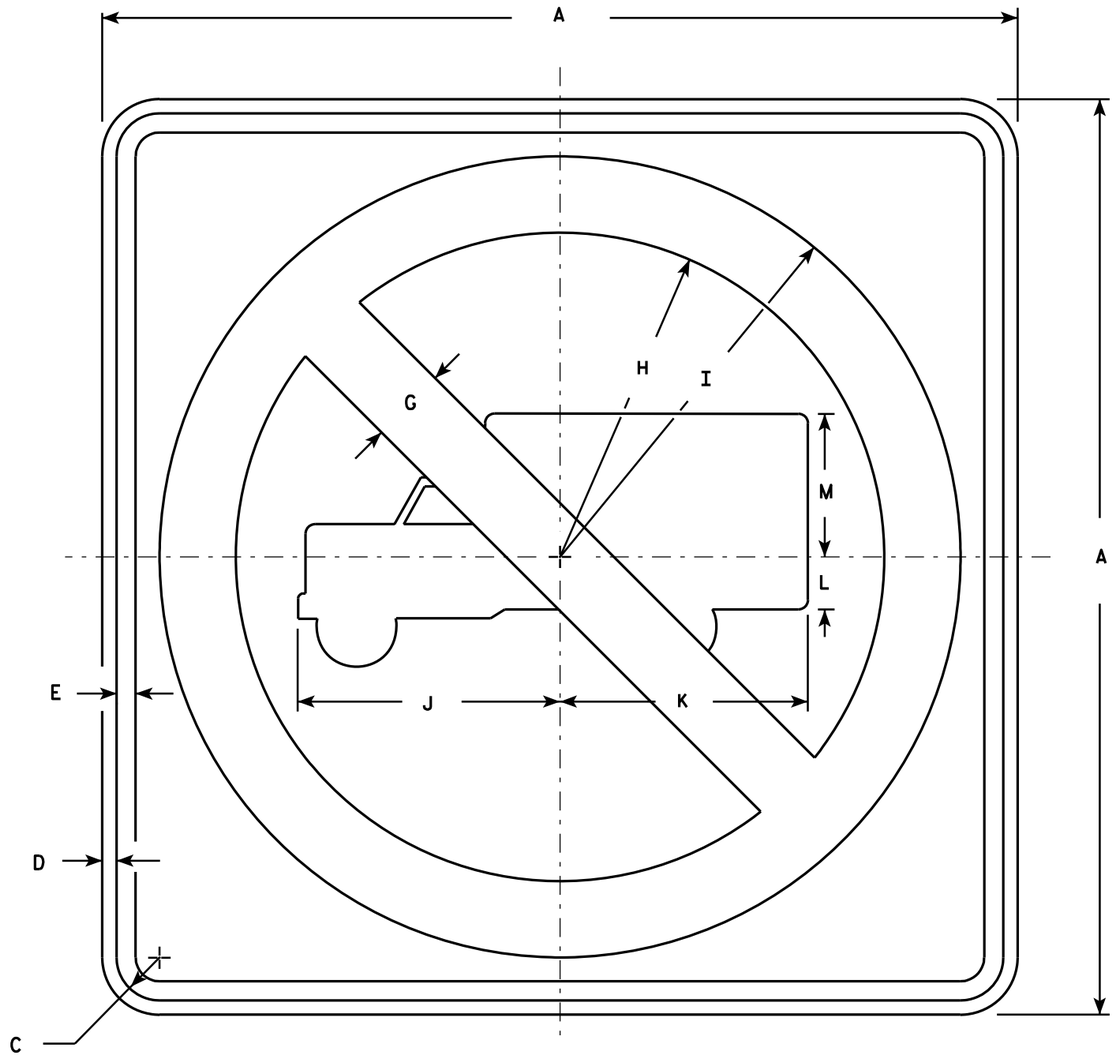
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 207	E



R5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See Note 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. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective black.

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		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

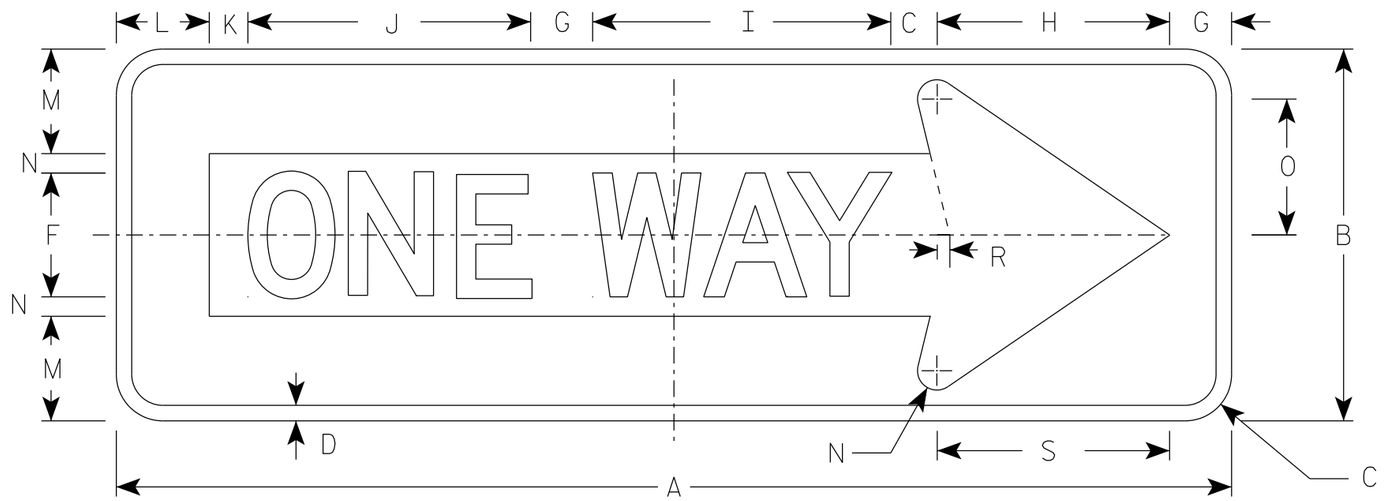
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 208	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R52.DGN PLOT DATE : 29-MAR-2011 11:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42

7

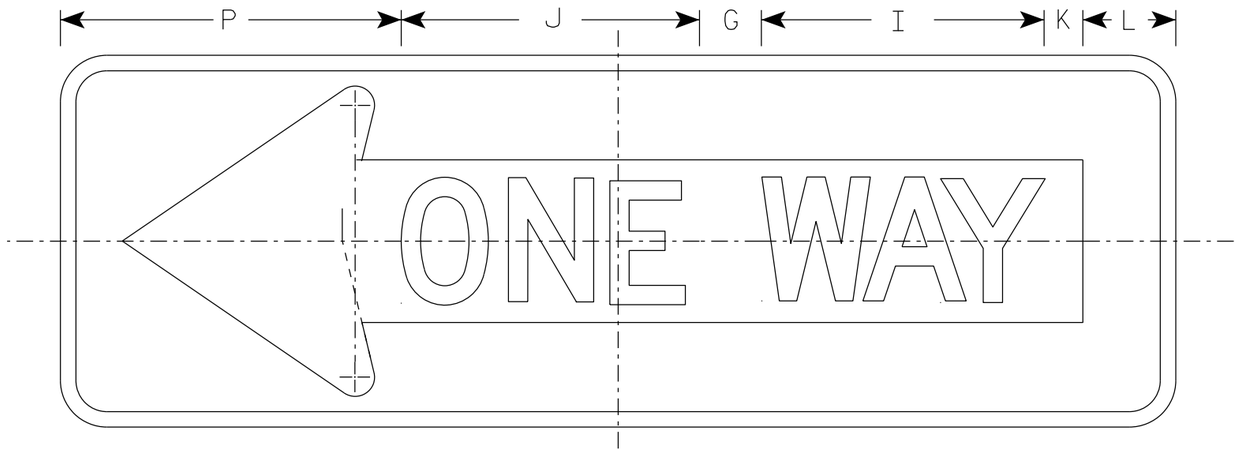
7



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

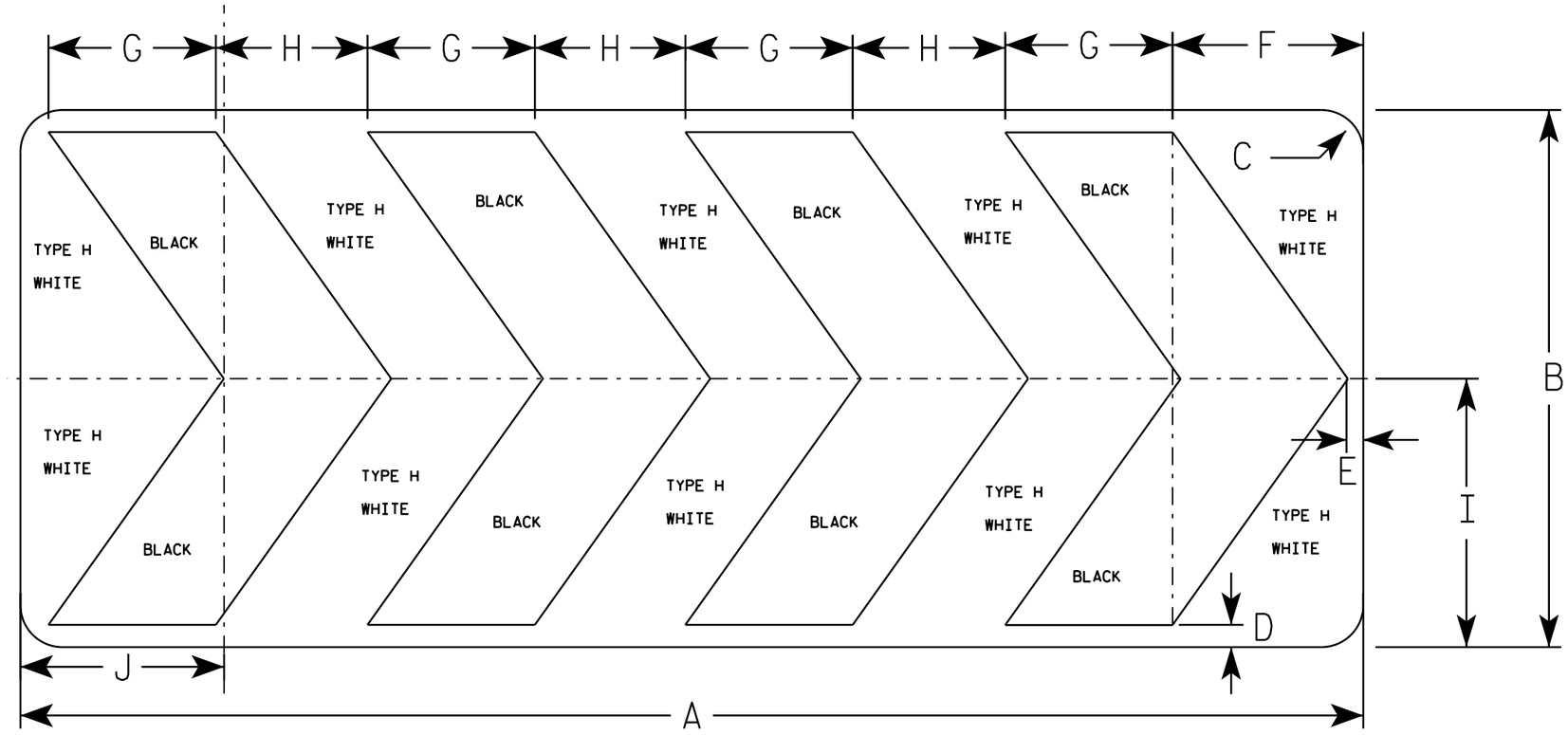
DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

SHEET NO: 209 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   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.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

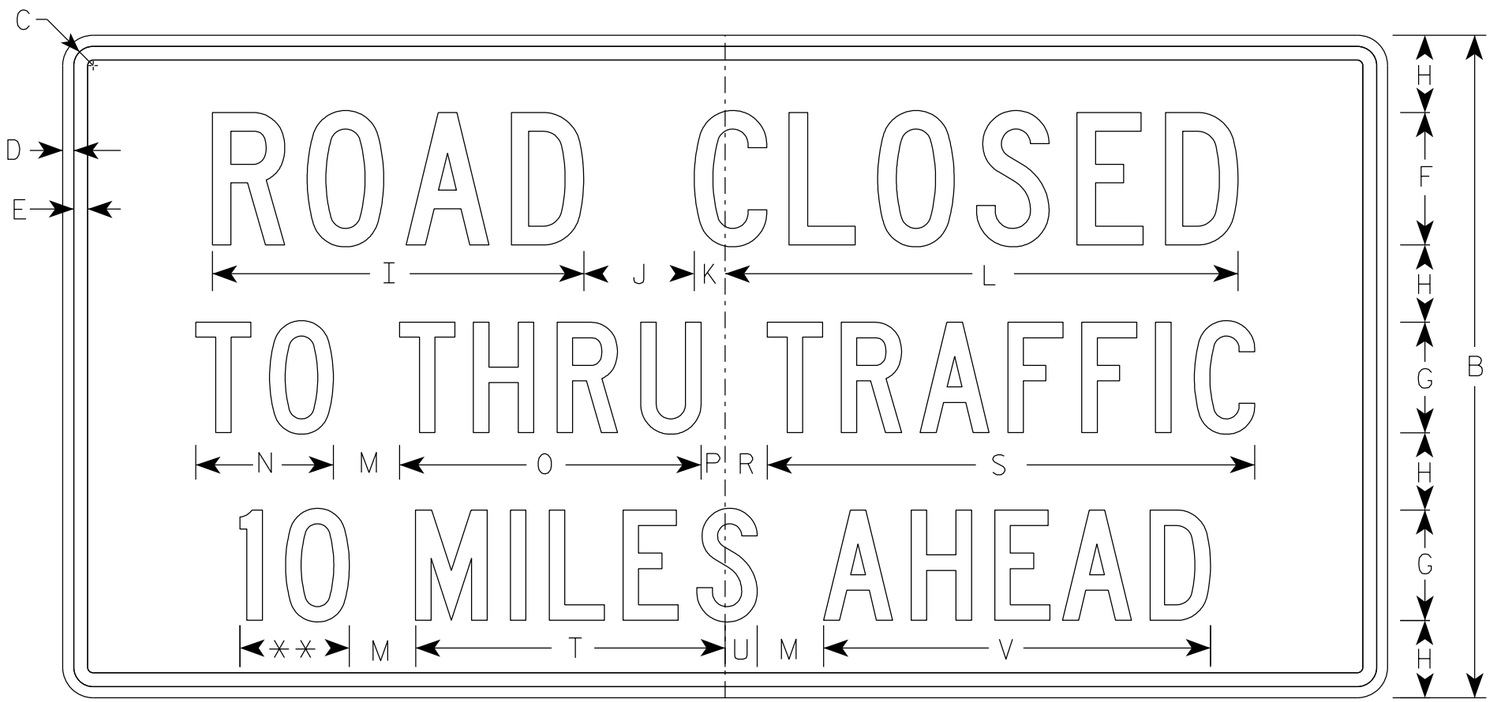
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

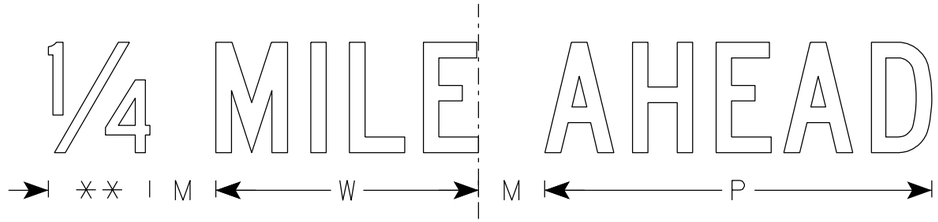
NOTES

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



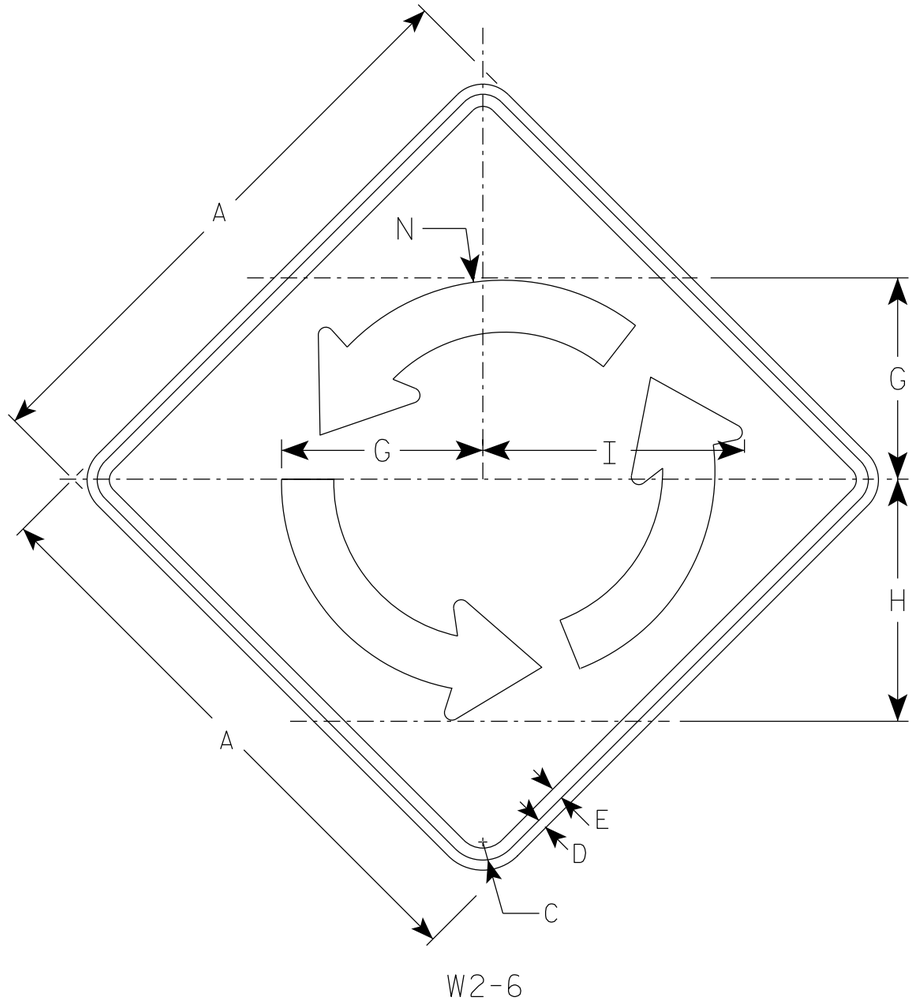
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
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: 211	E

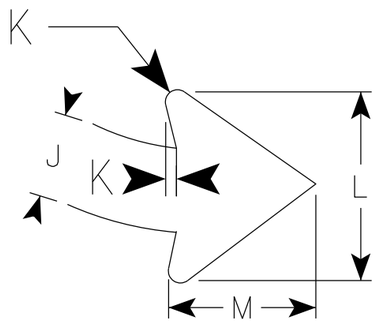


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

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	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

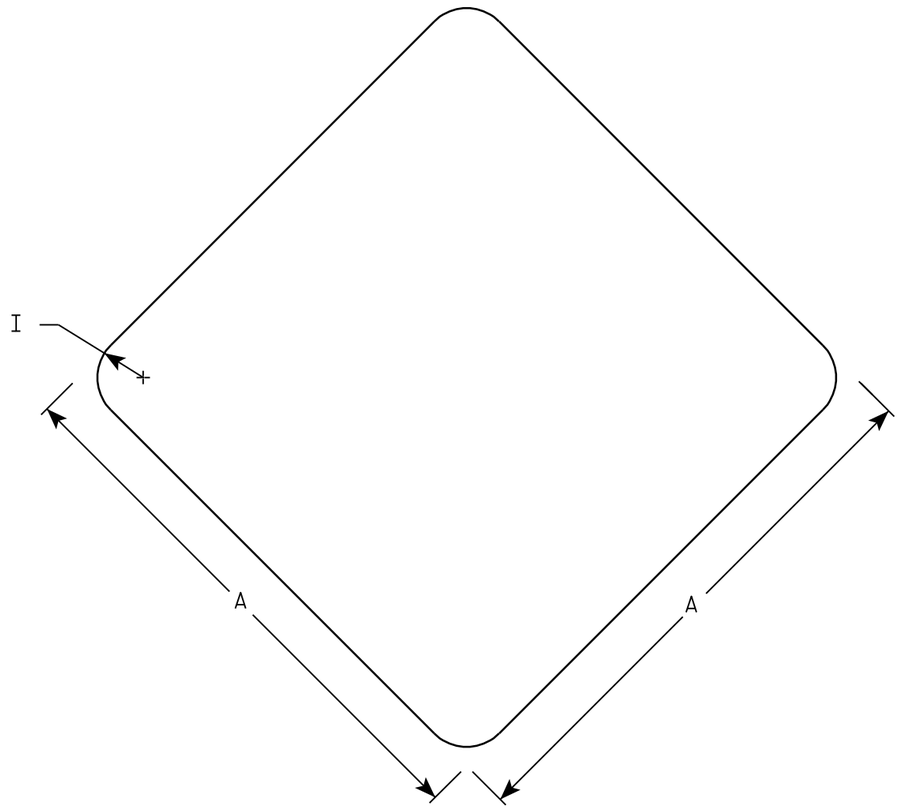
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

SHEET NO: 212 E



W5-54

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
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																											

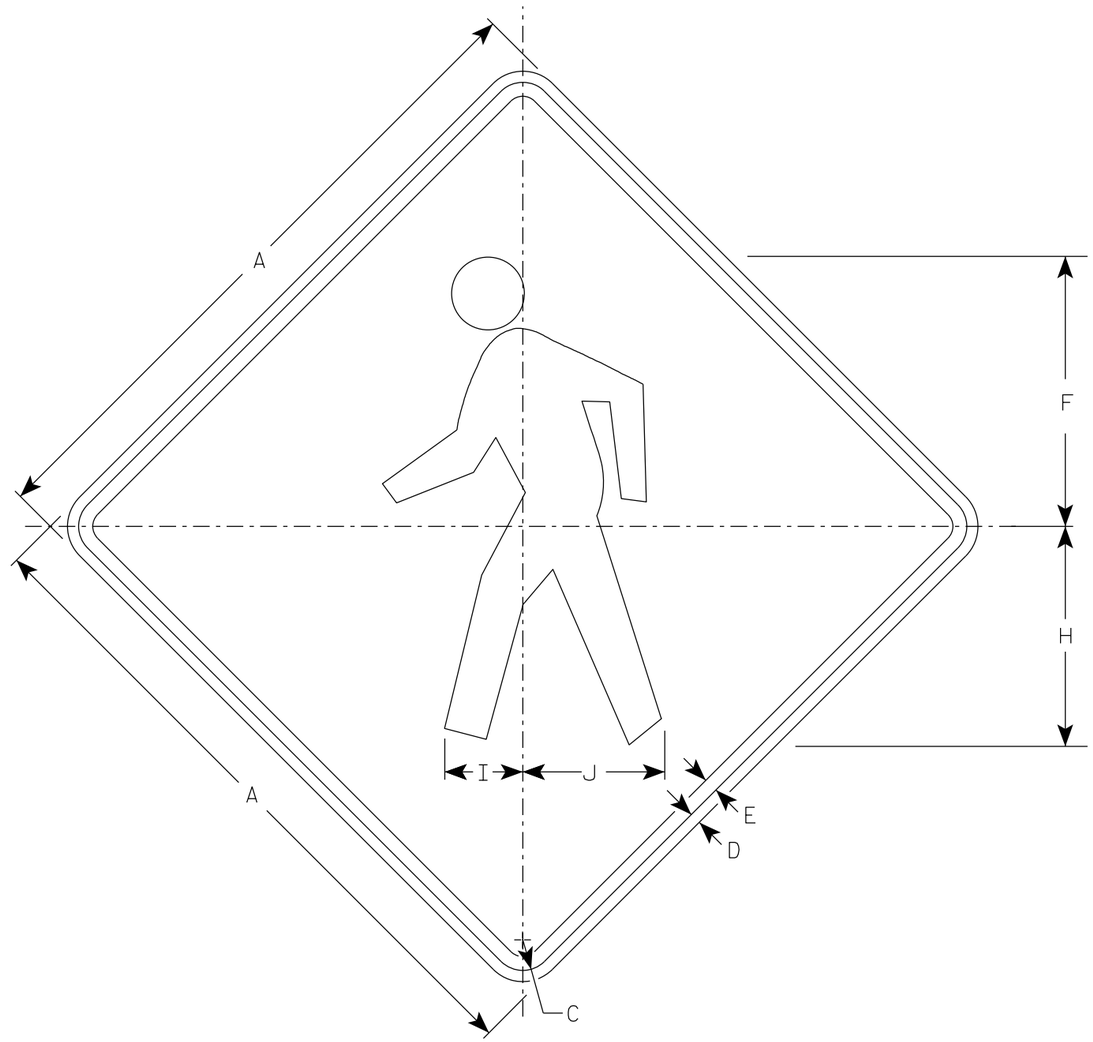
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 213 | E



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

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	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

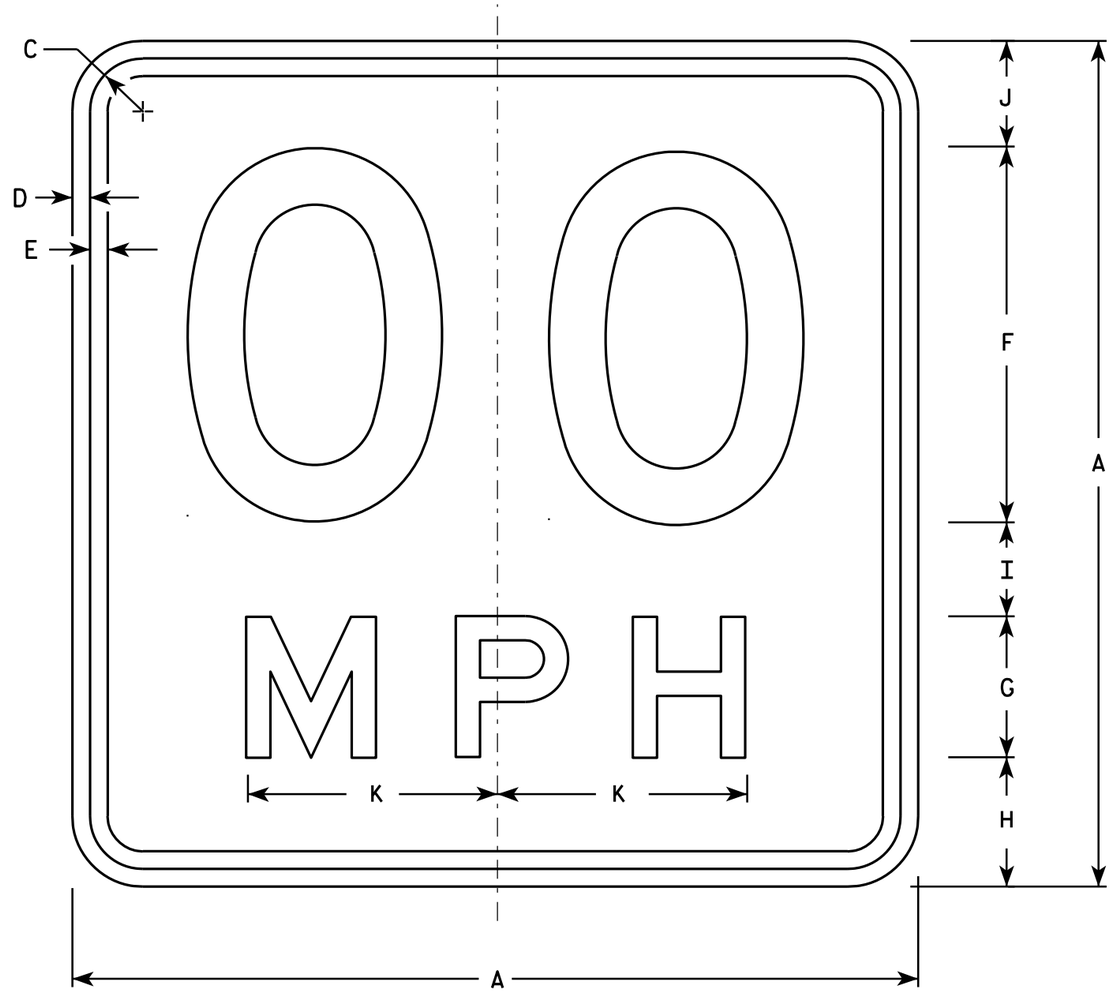
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 214 E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

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 - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

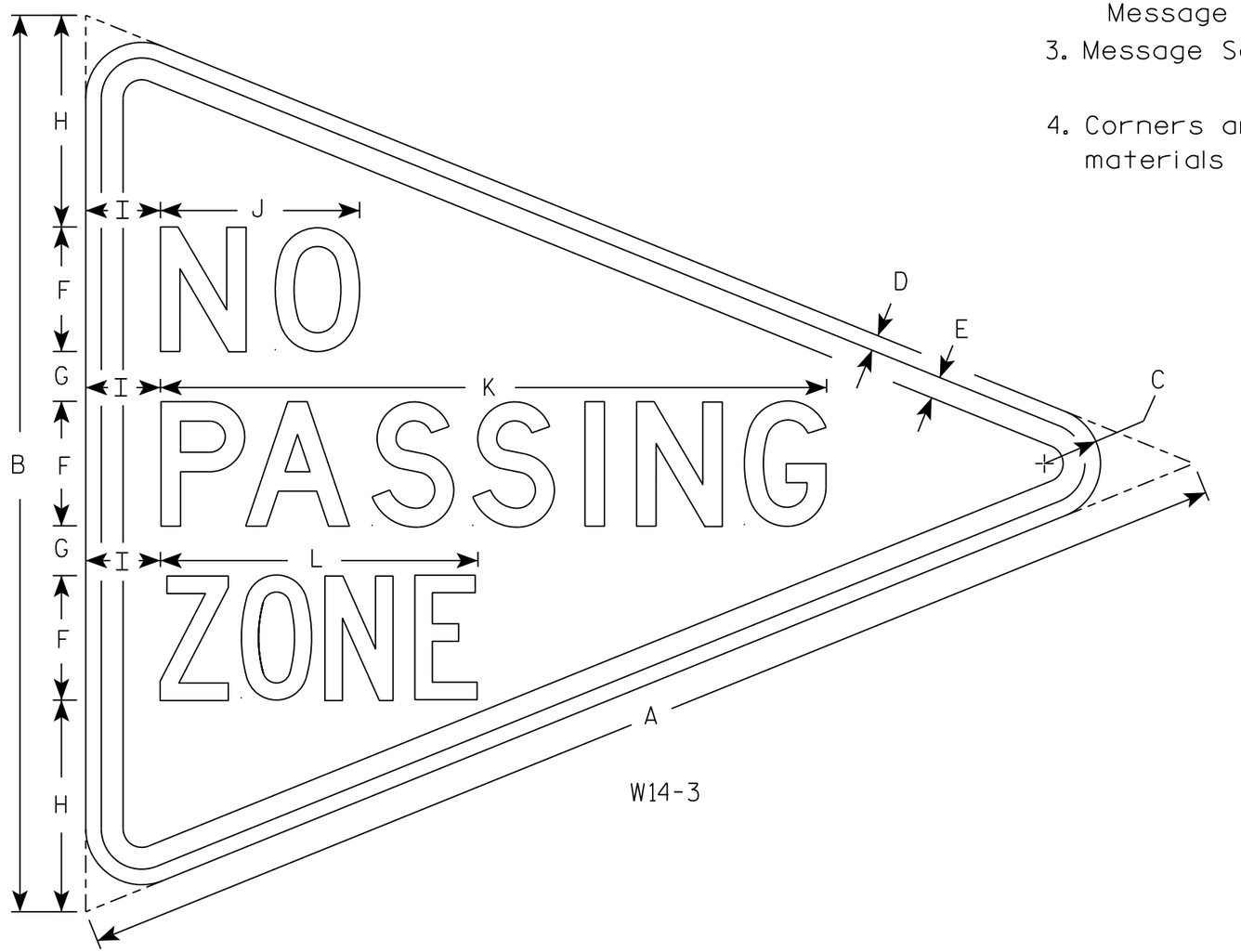
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 215 | 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

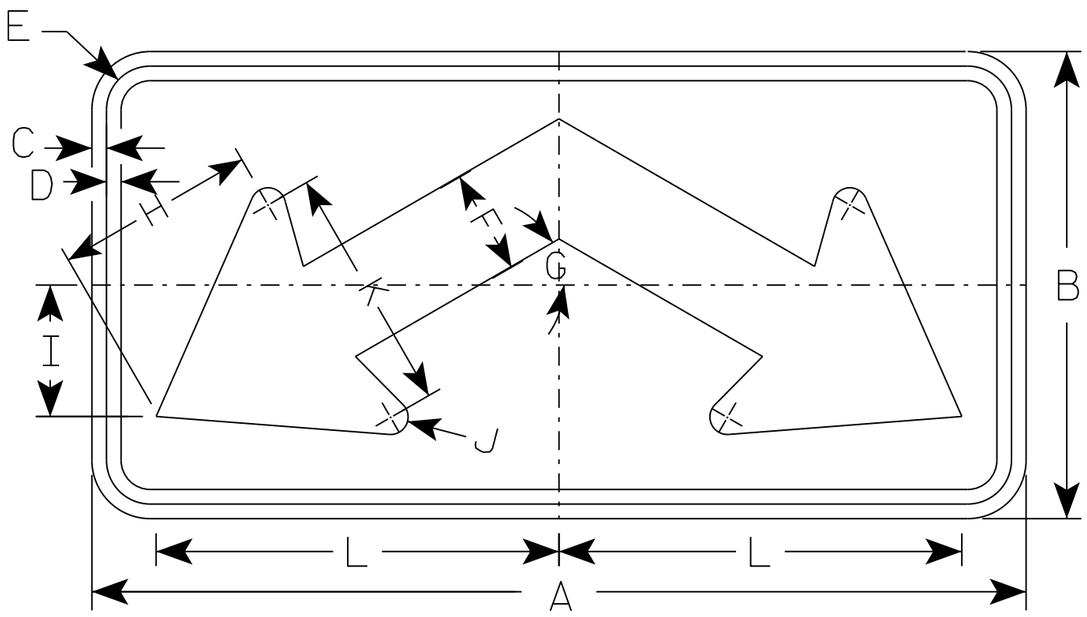
DATE 3/21/17 PLATE NO. W14-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 216 | E

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W16-7D

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	12	3/8	3/8	1 1/8	2 5/8	30°	5 1/8	3 3/8	1/2	6 1/4	10 3/8															2.0
2S	24	12	3/8	3/8	1 1/8	2 5/8	30°	5 1/8	3 3/8	1/2	6 1/4	10 3/8															2.0
2M	30	18	3/8	1/2	1 1/8	4	30°	7 5/8	5 3/8	5/8	9 1/4	13															3.75
3	30	18	3/8	1/2	1 1/8	4	30°	7 5/8	5 3/8	5/8	9 1/4	13															3.75
4	48	24	1/2	5/8	1 3/8	5 3/8	30°	10 3/8	7 1/4	1	12 5/8	20 3/4															8.0
5																											

STANDARD SIGN
W16-7D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

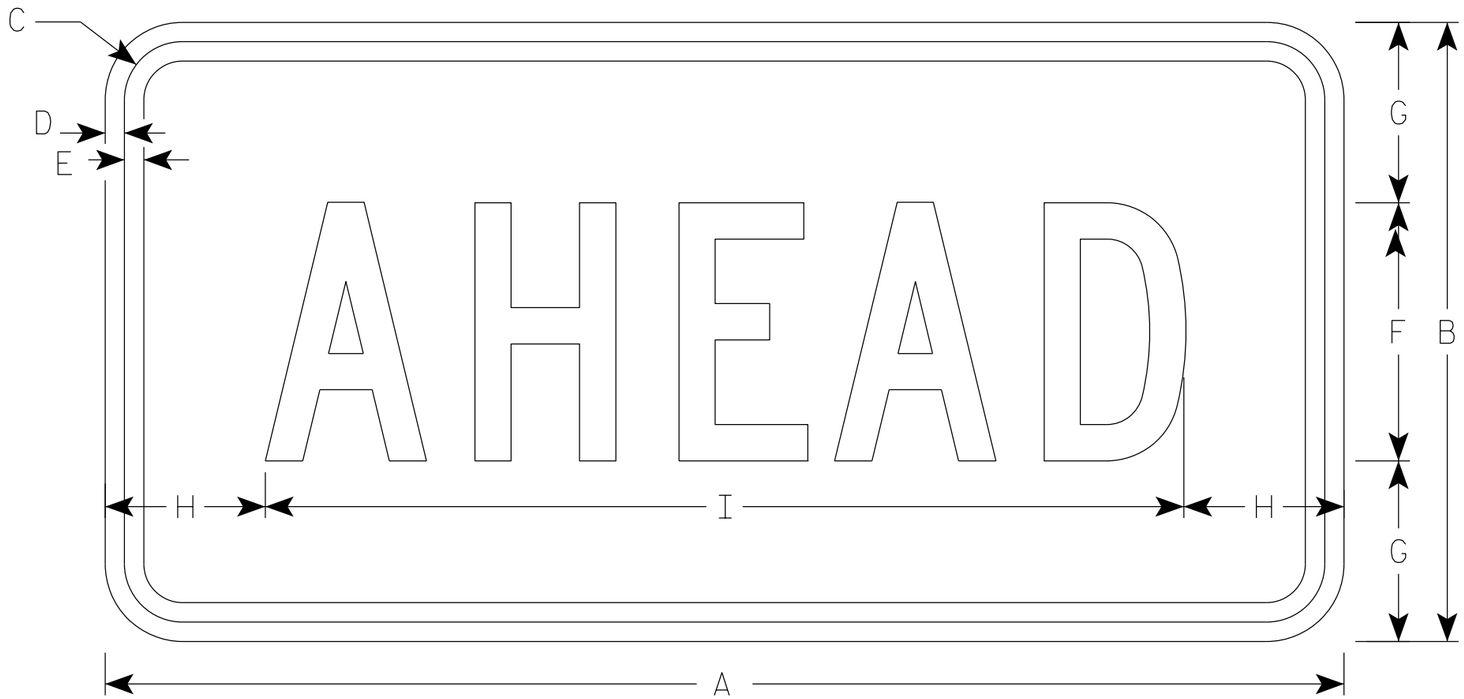
DATE 8/1/16 PLA 217 116-7D.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W167D.DGN PLOT DATE : 11-AUG-2016 11:30 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 3.891684:1 000000

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C



W16-9P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

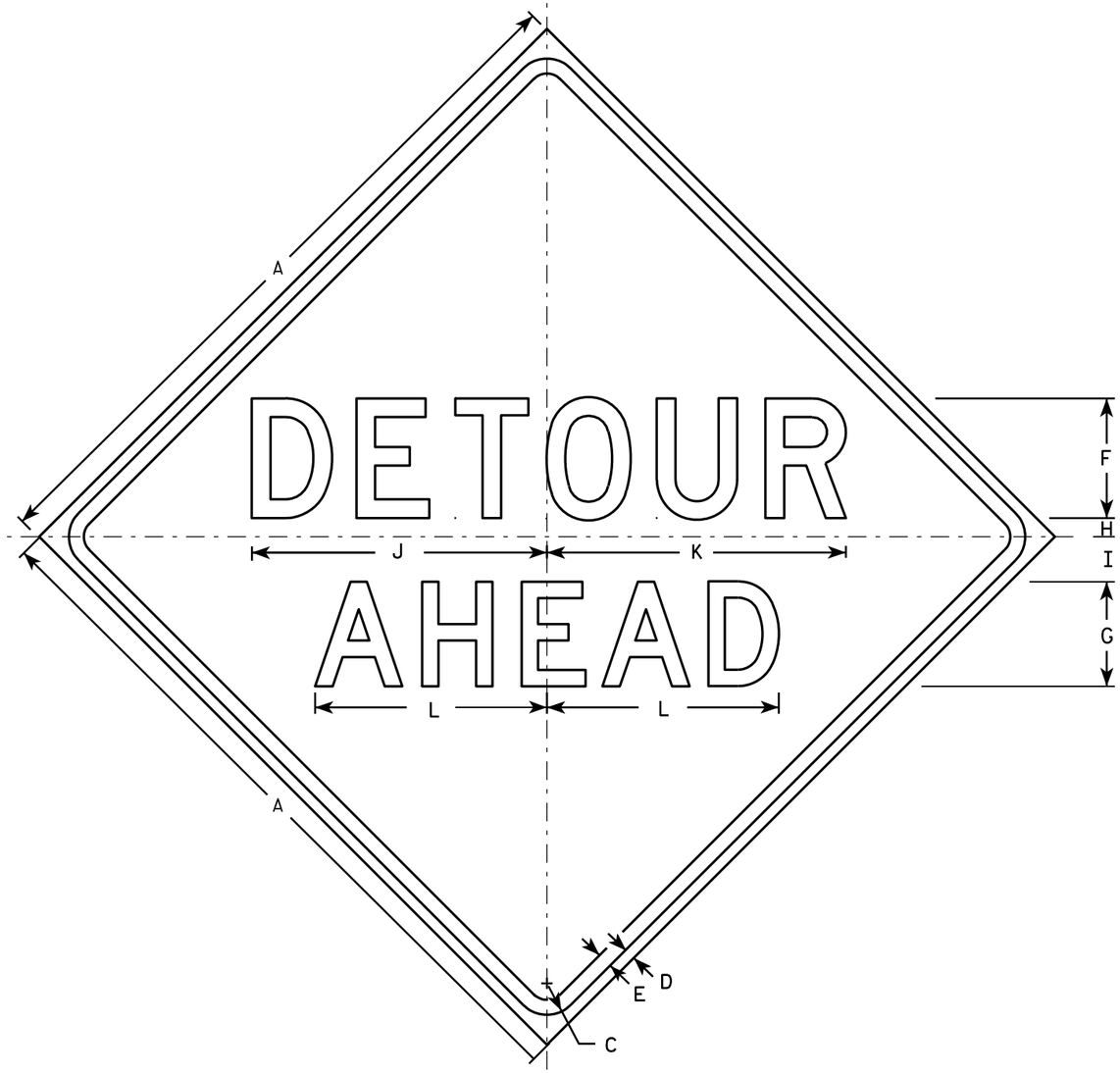
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/7/19 PLATE NO. W16-9P.7

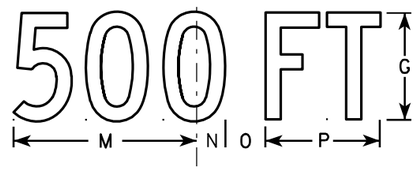
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 218 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W169P.DGN PLOT DATE : 07-MAR-2019 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

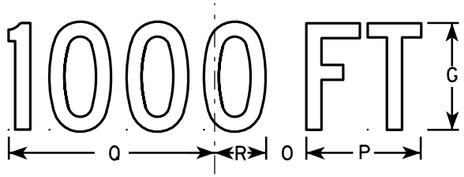
7



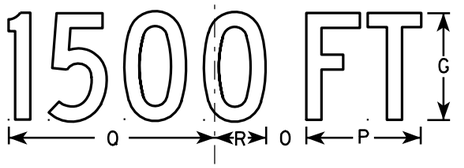
W20-2A



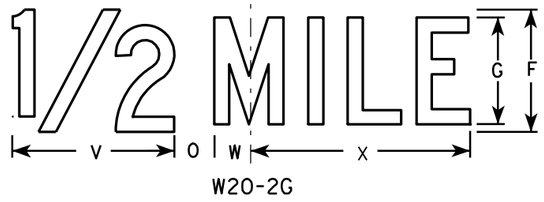
W20-2D



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: 219	E

DIVISION 1 - SCHOOL RD EB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
									1.00	1.25	1.30	
						NOTE 1	NOTE 3		NOTE 1		NOTE 5	NOTE 8
300+56.60	30056.60	0.00	116.33	0.04	0.00	0	0	0	0	0	0	0
301+00.00	30100.00	43.40	107.08	0.00	0.00	180	0	0	180	0	0	180
301+50.00	30150.00	50.00	94.58	1.61	0.00	187	1	0	367	1	0	366
302+00.00	30200.00	50.00	92.79	1.01	0.00	173	2	0	540	4	0	536
302+50.00	30250.00	50.00	88.20	0.10	0.00	168	1	0	708	5	0	703
303+00.00	30300.00	50.00	81.41	0.04	0.00	157	0	0	865	5	0	860
303+50.00	30350.00	50.00	92.65	1.09	0.00	161	1	0	1,026	6	0	1,020
303+75.00	30375.00	25.00	96.34	2.17	0.00	87	2	0	1,113	9	0	1,104
304+00.00	30400.00	25.00	82.50	2.52	0.00	83	2	0	1,196	11	0	1,185
304+50.00	30450.00	50.00	69.83	9.92	0.00	141	12	0	1,337	26	0	1,311
305+00.00	30500.00	50.00	70.09	10.51	0.00	130	19	0	1,467	50	0	1,417
305+50.00	30550.00	50.00	85.04	8.92	0.00	144	18	0	1,611	73	0	1,539
306+00.00	30600.00	50.00	113.03	13.62	0.00	183	21	0	1,794	99	0	1,695
306+25.00	30625.00	25.00	255.09	0.54	0.00	170	7	0	1,964	108	0	1,857
306+50.00	30650.00	25.00	155.51	11.31	0.00	190	5	0	2,154	114	0	2,040
307+00.00	30700.00	50.00	170.32	19.08	0.00	302	28	0	2,456	149	0	2,307
307+50.00	30750.00	50.00	183.03	26.91	0.00	327	43	0	2,783	203	0	2,581
308+00.00	30800.00	50.00	207.08	4.59	0.00	361	29	0	3,144	239	0	2,905
308+50.00	30850.00	50.00	204.06	8.80	0.00	381	12	0	3,525	254	0	3,271
309+00.00	30900.00	50.00	155.41	58.70	20.34	333	63	19	3,858	314	25	3,545
309+25.00	30925.00	25.00	144.18	52.52	22.24	139	51	20	3,997	357	51	3,640
						3,997	317	39				

DIVISION 1 - SCHOOL RD EB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
									1.00	1.25	1.30	
						NOTE 1	NOTE 3		NOTE 1		NOTE 5	NOTE 8
311+25	31125.00	0.00	5.58	48.50	0.00	0	0	0	0	0	0	0
311+50	31150.00	25.00	21.23	39.18	0.00	12	41	0	12	51	0	-39
311+75	31175.00	25.00	20.62	122.18	0.00	19	75	0	31	145	0	-114
312+00	31200.00	25.00	26.08	54.62	0.00	22	82	0	53	248	0	-195
312+50	31250.00	50.00	73.52	48.91	0.00	92	96	0	145	368	0	-223
313+00	31300.00	50.00	74.13	83.24	0.00	137	122	0	282	520	0	-238
313+40	31340.00	40.00	104.95	21.58	0.00	133	78	0	415	618	0	-203
313+50	31350.00	10.00	110.71	21.71	0.00	40	8	0	455	628	0	-173
313+95	31395.00	45.00	114.11	0.00	0.00	187	18	0	642	650	0	-8
314+00	31400.00	5.00	122.43	0.00	0.00	22	0	0	664	650	0	14
314+50	31450.00	50.00	64.87	65.91	0.00	173	61	0	837	726	0	111
314+75	31475.00	25.00	82.65	33.68	0.00	68	46	0	905	784	0	121
315+00	31500.00	25.00	66.87	63.44	0.00	69	45	0	974	840	0	134
315+11.4	31511.40	11.40	64.42	38.31	0.00	28	21	0	1,002	866	0	136
						1,002	693	0				

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
5 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
8 - MASS ORDINATE	[(CUT - (FILL - REDUCED EBS IN FILL) * FILL FACTOR)

9

9

PROJECT NO: 6430-20-71 | HWY: STH 76 | COUNTY: OUTAGAMIE | EARTHWORK QUANTITIES | SHEET NO: 220 E

FILENAME: F:\TR\JOBS\E2368A19\Civil 3D\SheetsPlan\643020-090101-ew.ppt | ORIGINATOR: OMNNI ASSOCIATES | ORIG. DATE: | REV. DATE: | PRINT DATE: May 31, 2023

DIVISION - SCHOOL RD WB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
									1.00	1.25	1.30	
						NOTE 1	NOTE 3		NOTE 1		NOTE 5	NOTE 8
408+75.00	40875.00	0.00	168.57	31.13	0.00	0	0	0	0	0	0	0
409+00.00	40900.00	25.00	103.10	24.53	0.00	126	26	0	126	33	0	94
409+25.00	40925.00	25.00	92.19	7.32	0.00	90	15	0	216	51	0	165
						216	41	0				

DIVISION 1 - SCHOOL RD WB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
									1.00	1.25	1.30	
						NOTE 1	NOTE 3		NOTE 1		NOTE 5	NOTE 8
411+25	41125.00	0.00	7.07	93.15	0.00	0	0	0	0	0	0	0
411+50	41150.00	25.00	14.39	93.06	0.00	10	86	0	10	108	0	-98
411+75	41175.00	25.00	20.82	111.02	0.00	16	94	0	26	225	0	-199
						26	180	0				

DIVISION 1 - STH 76 (MUNICIPAL DR) NB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
									1.00	1.25	1.30	
						NOTE 1	NOTE 3		NOTE 1		NOTE 5	NOTE 8
104+50	10450.00	0.00	120.14	0.00	0.00	0	0	0	0	0	0	0
105+00	10500.00	50.00	109.77	3.97	0.00	213	4	0	213	5	0	208
105+50	10550.00	50.00	98.91	10.65	0.00	193	14	0	406	23	0	384
106+00	10600.00	50.00	92.94	11.36	0.00	178	20	0	584	48	0	537
106+50	10650.00	50.00	95.09	15.67	0.00	174	25	0	758	79	0	679
107+00	10700.00	50.00	84.97	24.96	24.06	167	38	22	925	104	29	821
107+50	10750.00	50.00	84.17	32.71	23.48	157	53	44	1,082	127	86	956
108+00	10800.00	50.00	85.71	40.73	40.52	157	68	59	1,239	153	163	1,087
108+50	10850.00	50.00	89.47	46.09	46.35	162	80	80	1,401	173	267	1,229
109+00	10900.00	50.00	106.05	53.07	46.49	181	92	86	1,582	202	378	1,381
109+50	10950.00	50.00	100.11	76.69	49.39	191	120	89	1,773	263	494	1,511
110+00	11000.00	50.00	103.76	80.16	46.19	189	145	89	1,962	355	610	1,607
110+50	11050.00	50.00	57.54	66.90	0.00	149	136	43	2,111	482	666	1,629
111+00	11100.00	50.00	54.81	70.65	0.00	104	127	0	2,215	641	666	1,575
111+50	11150.00	50.00	43.01	48.55	0.00	91	110	0	2,306	778	666	1,528
112+00	11200.00	50.00	27.19	144.29	24.91	65	179	23	2,371	979	696	1,392
112+50	11250.00	50.00	15.82	169.54	22.85	40	291	44	2,411	1,299	753	1,113
113+00	11300.00	50.00	14.11	190.02	23.18	28	333	43	2,439	1,672	809	767
						2,439	1,835	622				

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
5 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
8 - MASS ORDINATE	[(CUT - (FILL - REDUCED EBS IN FILL) * FILL FACTOR)

9

9

PROJECT NO: 6430-20-71 | HWY: STH 76 | COUNTY: OUTAGAMIE | EARTHWORK QUANTITIES | SHEET NO: 221 E

FILENAME: F:\TR\JOBS\E2368A19\Civil 3D\SheetsPlan\643020-090101-ew.ppt | ORIGINATOR: OMNNI ASSOCIATES | ORIG. DATE: | REV. DATE: | PRINT DATE: May 31, 2023

DIVISION 1 - STH 76 (MUNICIPAL DR) NB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
									1.00	1.25	1.30	
						NOTE 1	NOTE 3		NOTE 1		NOTE 5	NOTE 8
115+00	11500.00	0.00	32.02	76.85	0.00	0	0	0	0	0	0	0
115+50	11550.00	50.00	108.90	58.29	23.18	130	125	21	130	135	27	-5
116+00	11600.00	50.00	85.37	21.64	23.52	180	74	43	310	185	83	125
116+50	11650.00	50.00	102.13	35.69	22.11	174	53	42	484	209	138	275
117+00	11700.00	50.00	90.15	40.96	21.89	178	71	41	662	257	191	405
117+50	11750.00	50.00	87.70	45.10	22.88	165	80	41	827	316	244	511
118+00	11800.00	50.00	96.79	43.87	22.75	171	82	42	998	376	299	622
118+50	11850.00	50.00	111.27	34.91	22.45	193	73	42	1,191	426	354	766
119+00	11900.00	50.00	116.08	28.38	39.07	211	59	57	1,402	442	428	960
119+50	11950.00	50.00	121.16	16.78	17.56	220	42	52	1,622	443	495	1,179
120+00	12000.00	50.00	125.28	12.39	16.63	228	27	32	1,850	445	537	1,406
120+50	12050.00	50.00	145.16	1.78	15.12	250	13	29	2,100	432	575	1,668
121+00	12100.00	50.00	139.89	0.88	11.56	264	2	25	2,364	409	607	1,955
121+50	12150.00	50.00	132.73	2.87	0.00	252	3	11	2,616	402	621	2,214
122+00	12200.00	50.00	128.80	0.00	0.00	242	3	0	2,858	406	621	2,452
122+50	12250.00	50.00	125.05	0.03	0.00	235	0	0	3,093	406	621	2,687
123+00	12300.00	50.00	122.73	0.21	0.00	229	0	0	3,322	406	621	2,916
123+50	12350.00	50.00	124.85	0.00	0.00	229	0	0	3,551	406	621	3,145
123+75	12375.00	25.00	126.15	0.00	0.00	116	0	0	3,667	406	621	3,261
						3,667	707	478				

DIVISION 1 - STH 76 (MUNICIPAL DR) SB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
									1.00	1.25	1.30	
						NOTE 1	NOTE 3		NOTE 1		NOTE 5	NOTE 8
210+00	21000.00	0.00	96.81	28.92	23.08	0	0	0	0	0	0	0
210+50	21050.00	50.00	133.42	27.01	22.48	213	52	42	213	23	55	190
211+00	21100.00	50.00	166.46	29.63	22.73	278	52	42	491	46	109	445
211+50	21150.00	50.00	174.91	23.20	22.36	316	49	42	807	65	164	742
212+00	21200.00	50.00	158.98	16.01	24.00	309	36	43	1,116	67	220	1,049
212+50	21250.00	50.00	112.68	22.46	22.88	252	36	43	1,368	69	276	1,299
213+00	21300.00	50.00	256.85	21.01	23.03	342	40	43	1,710	76	332	1,634
						1,710	265	255				

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
5 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
8 - MASS ORDINATE	[(CUT - (FILL - REDUCED EBS IN FILL) * FILL FACTOR)

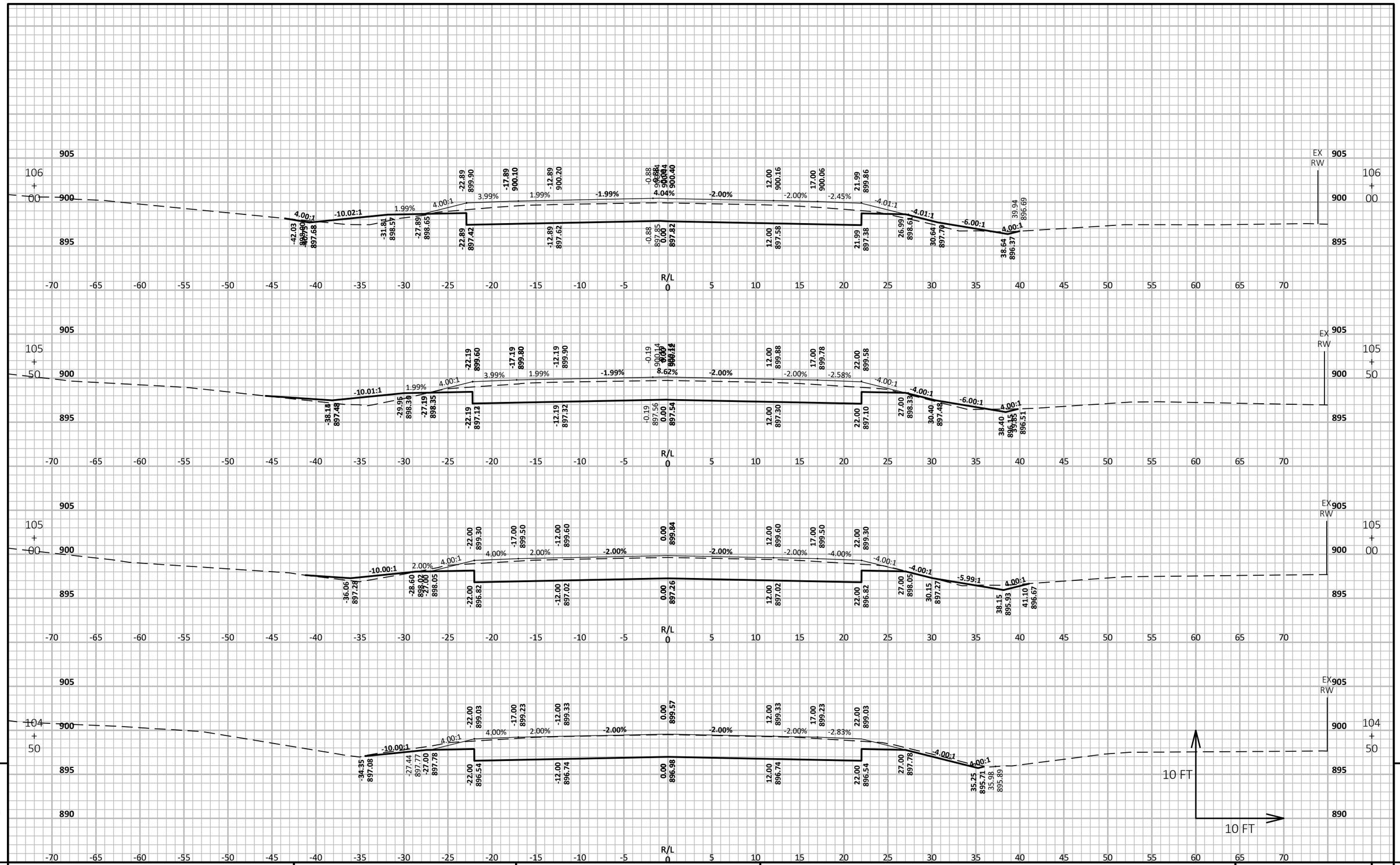
DIVISION - STH 76 (MUNICIPAL DR) SB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	MASS ORDINATE
									1.00	1.25	1.30	
						NOTE 1	NOTE 3		NOTE 1		NOTE 5	NOTE 8
215+00.00	21500.00	0.00	38.26	15.38	25.35	0	0	0	0	0	0	0
215+50.00	21550.00	50.00	28.29	21.91	23.91	62	35	46	62	-2	60	64
216+00.00	21600.00	50.00	27.82	10.86	22.56	52	30	43	114	-8	116	122
216+50.00	21650.00	50.00	15.94	25.45	23.72	41	34	43	155	-8	172	163
217+00.00	21700.00	50.00	13.53	28.78	23.58	27	50	44	182	10	229	172
217+50.00	21750.00	50.00	21.16	21.03	21.39	32	46	42	214	26	283	188
218+00.00	21800.00	50.00	25.91	20.18	21.44	44	38	40	258	33	335	225
218+50.00	21850.00	50.00	23.99	20.66	21.91	46	38	40	304	41	387	263
219+00.00	21900.00	50.00	29.00	15.15	18.59	49	33	38	353	44	437	309
						353	304	336				

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
5 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
8 - MASS ORDINATE	[(CUT - (FILL - REDUCED EBS IN FILL) * FILL FACTOR)

9

9



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9

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 SOUTH NB	SHEET 224	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090201-xs

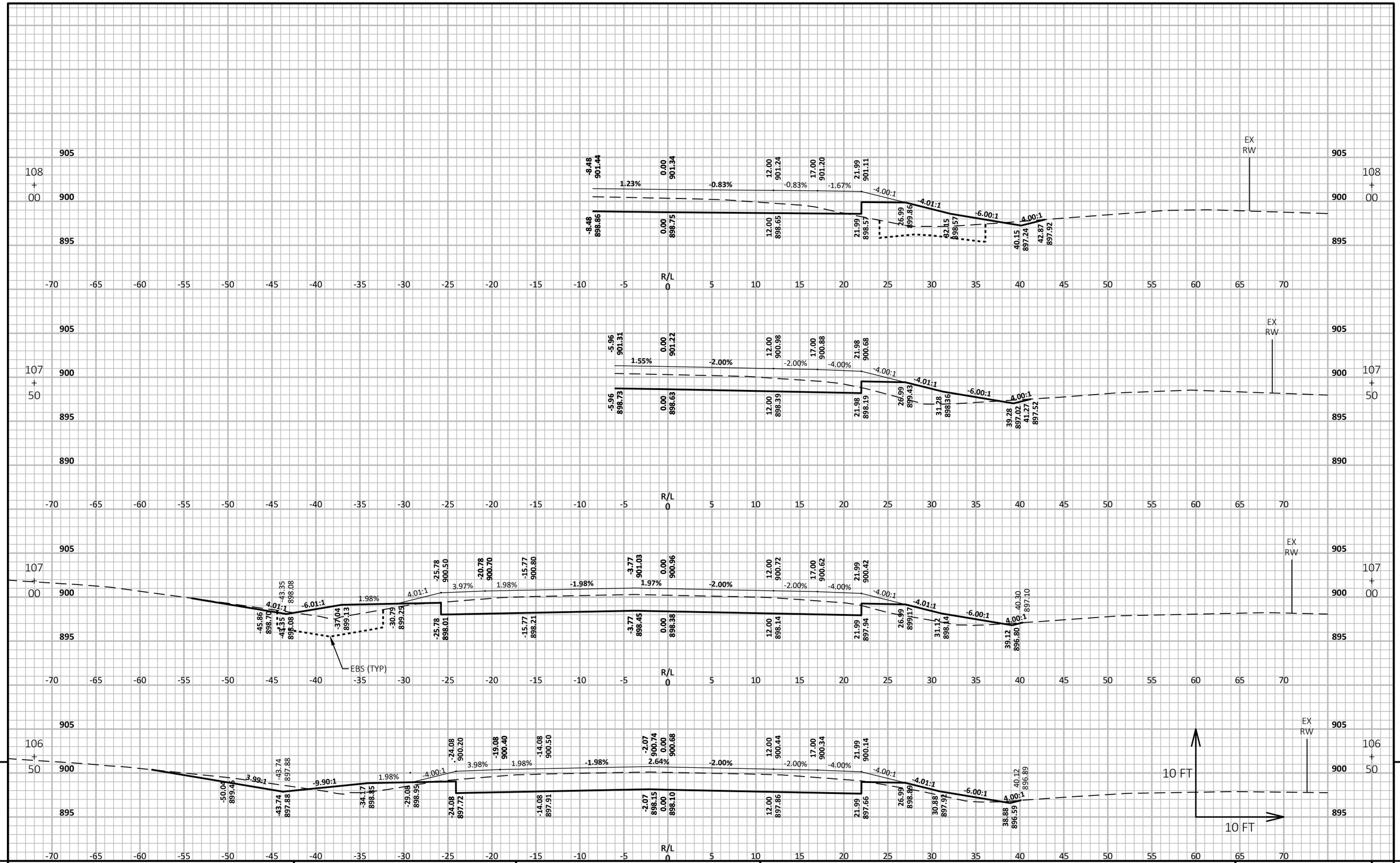
PLOT DATE : 5/25/2023 9:06 AM

PLOT BY : BRANDI SWANSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 SOUTH NB	SHEET 225	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090202-xs

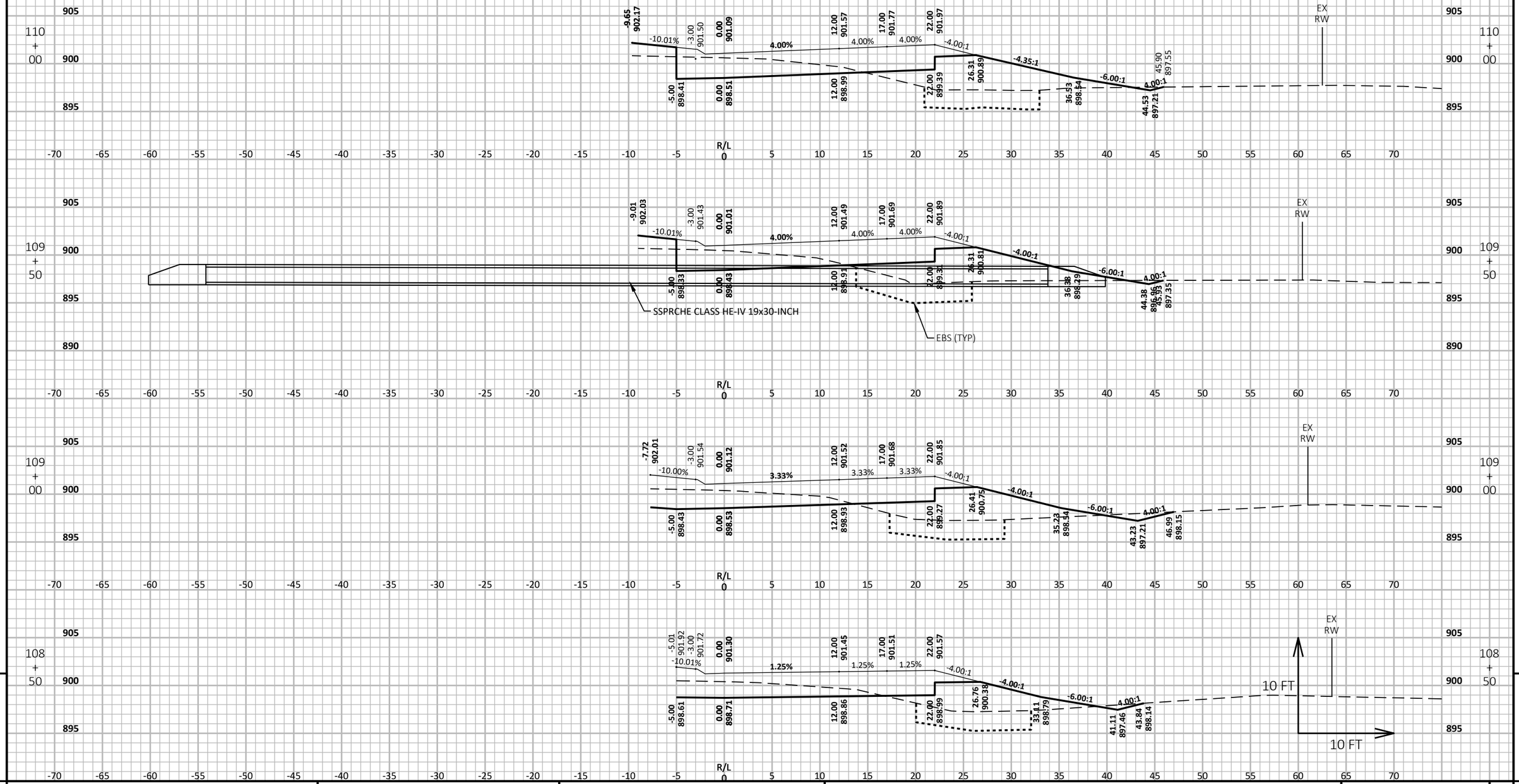
PLOT DATE : 5/25/2023 9:06 AM

PLOT BY : BRANDI SWANSON

PLOT NAME :

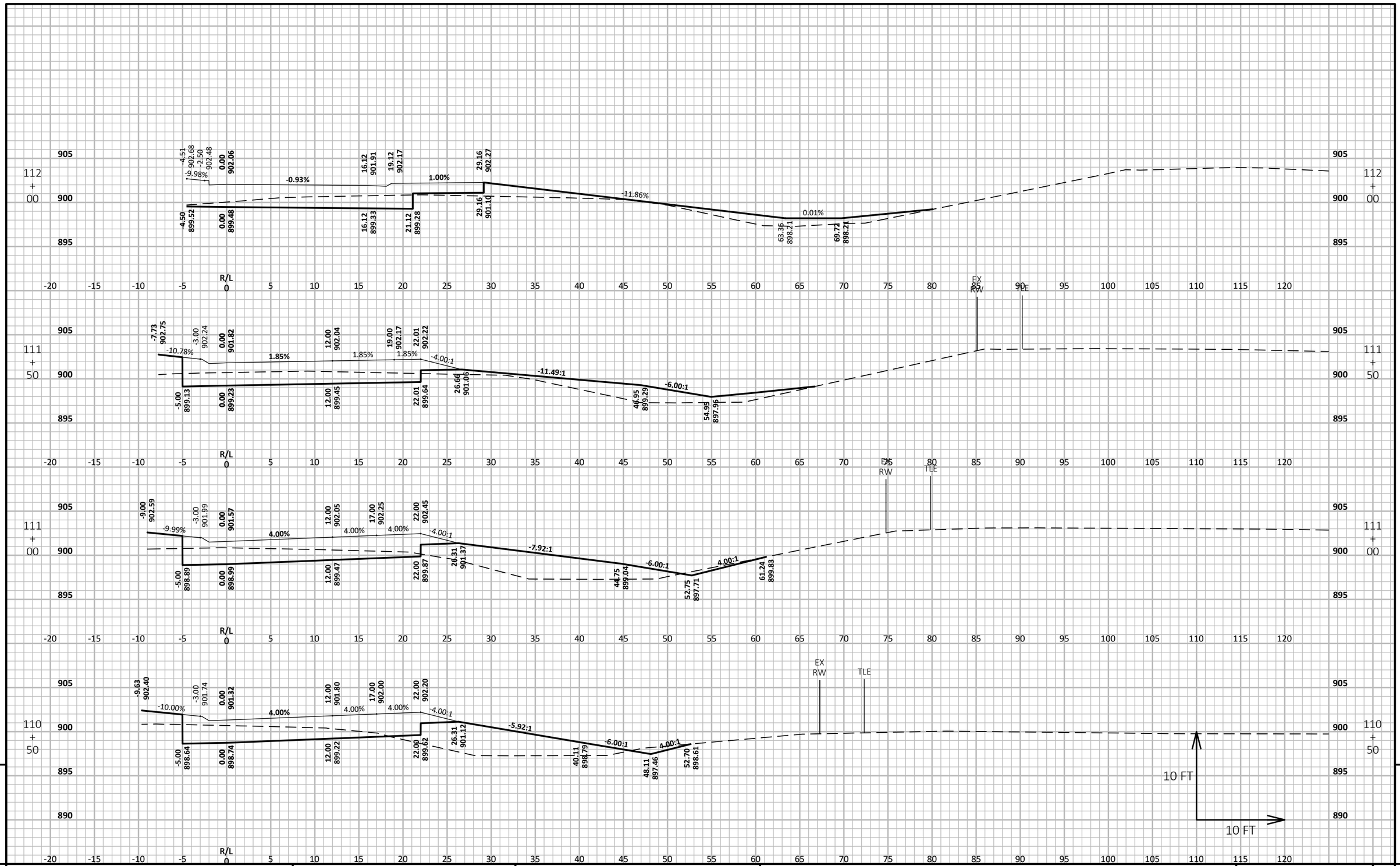
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 SOUTH NB	SHEET 226	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090203-xs
PLOT DATE : 5/25/2023 9:06 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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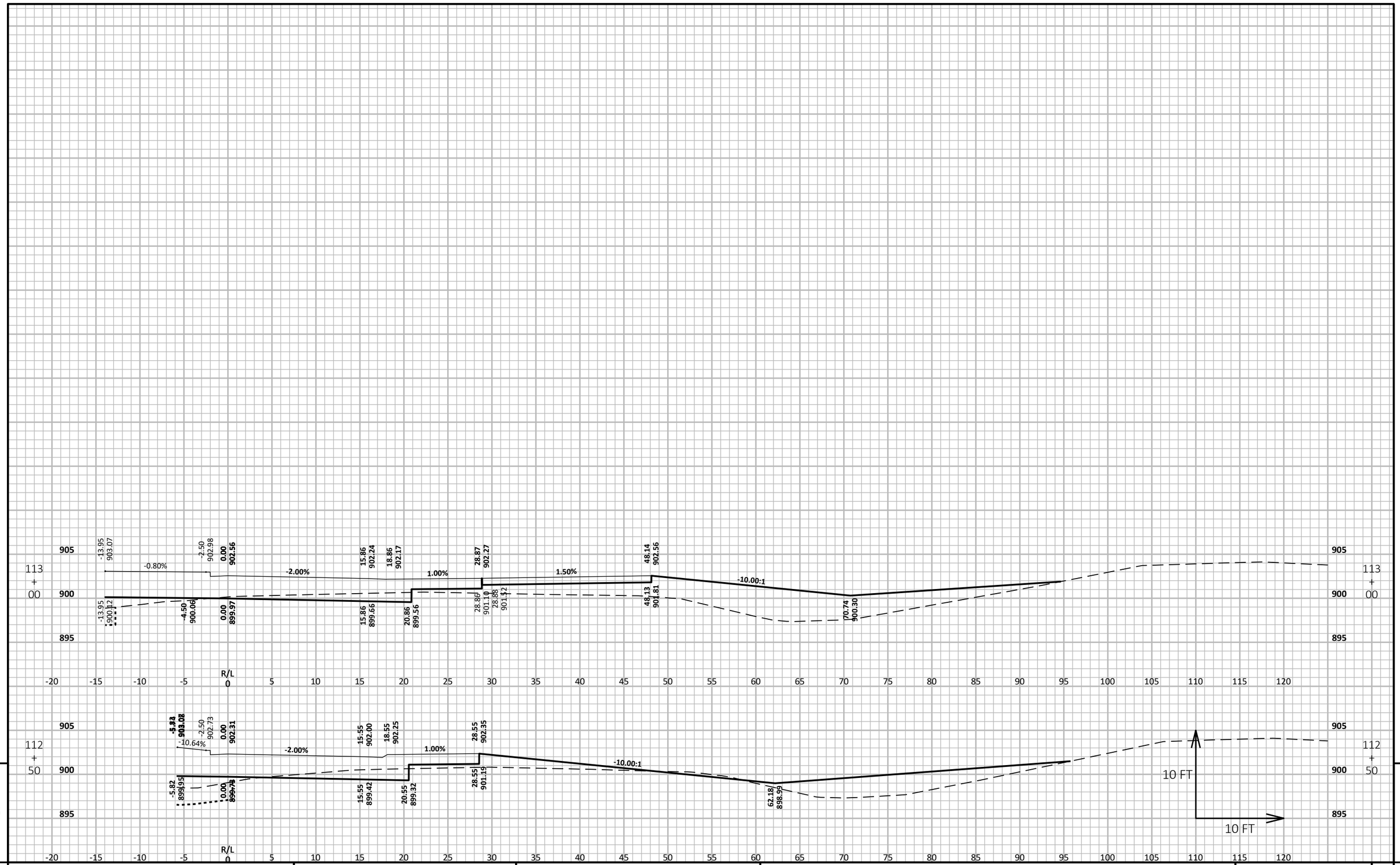
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 SOUTH NB	SHEET 227	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090204-xs

PLOT DATE : 5/25/2023 9:06 AM PLOT BY : BRANDI SWANSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

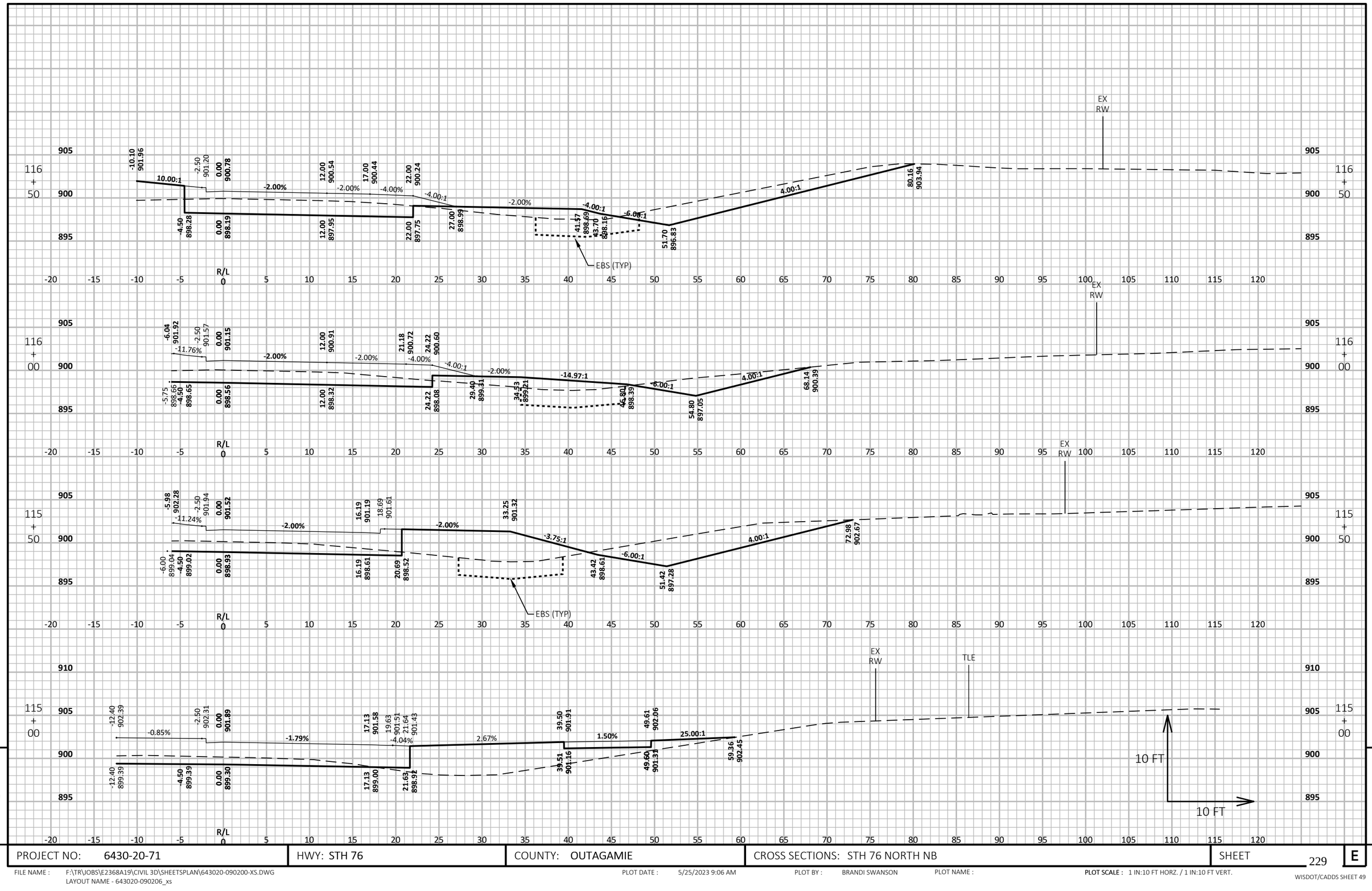


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 SOUTH NB	SHEET 228	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090205-xs

PLOT DATE : 5/25/2023 9:06 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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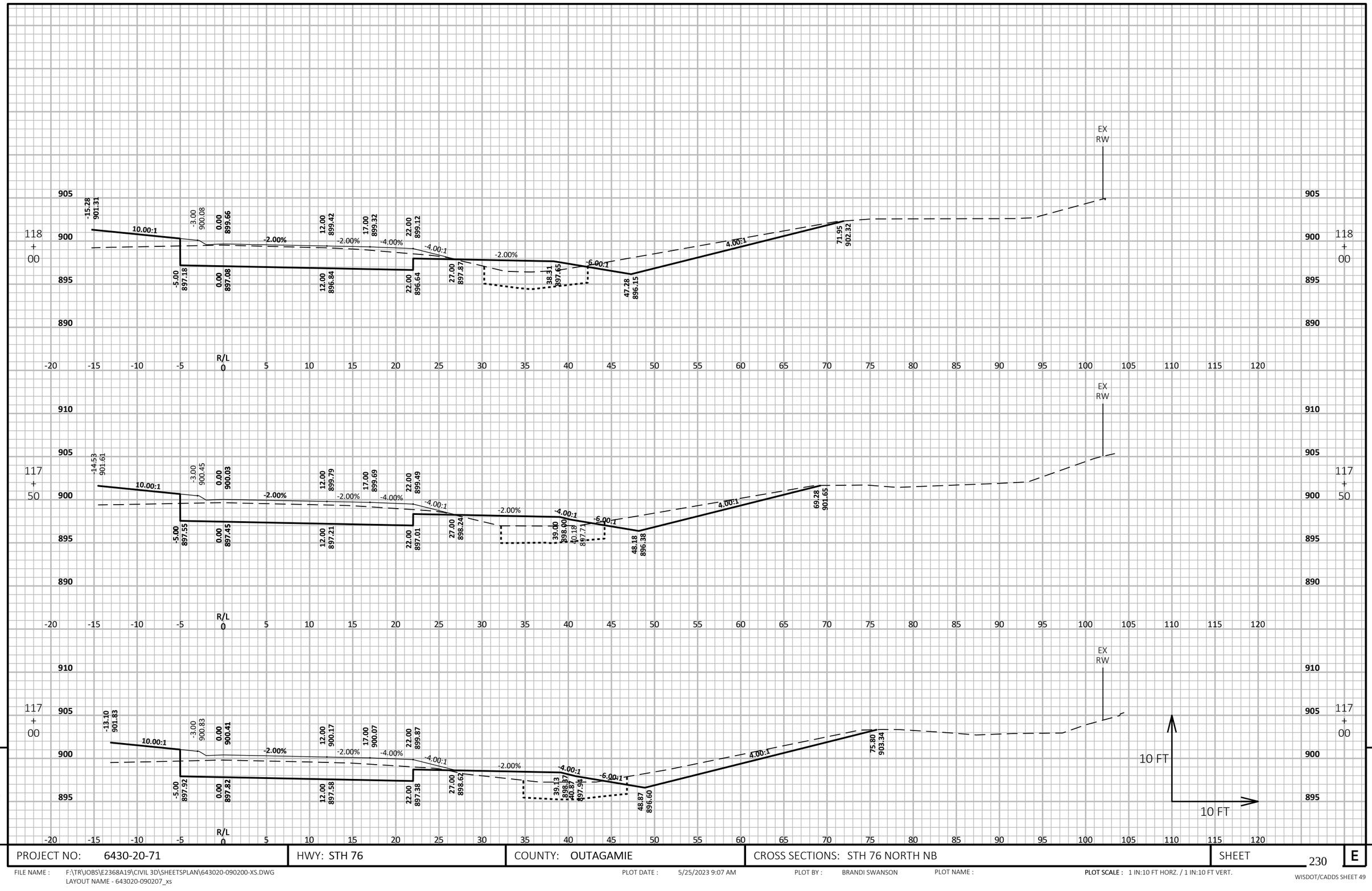
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 NORTH NB	SHEET 229	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090206_xs

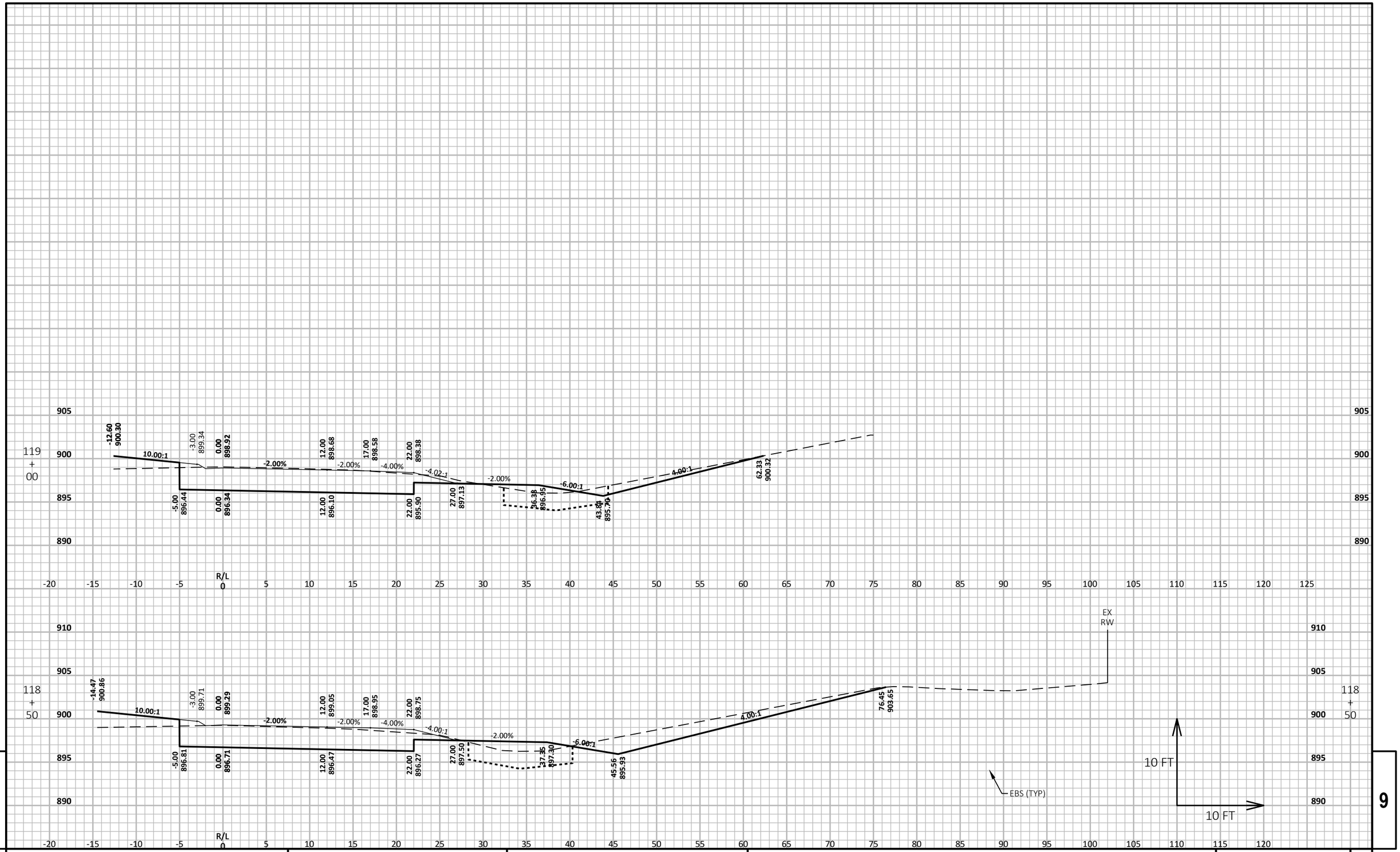
PLOT DATE : 5/25/2023 9:06 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 NORTH NB	SHEET 230	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090207_xs

PLOT DATE : 5/25/2023 9:07 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

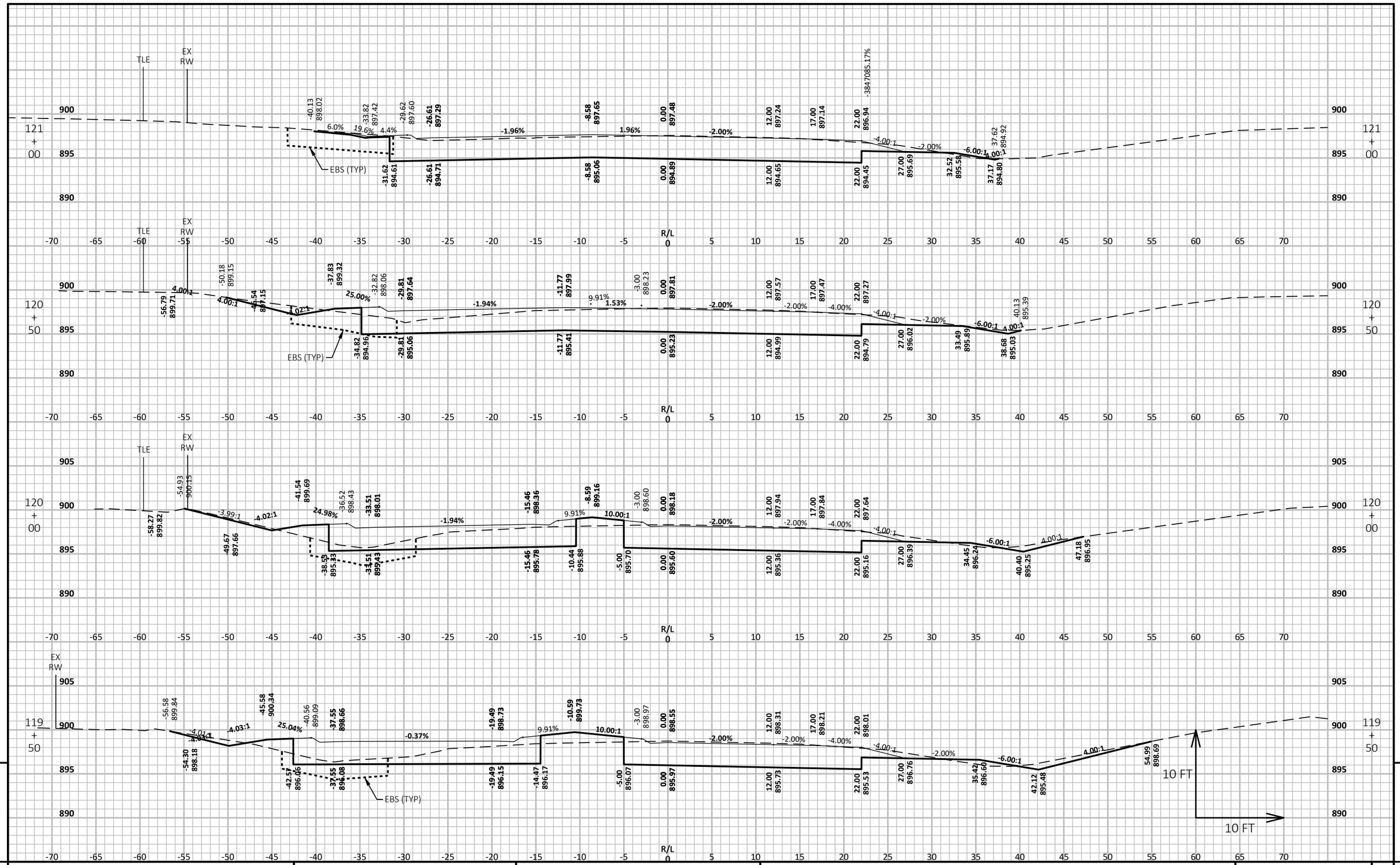


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 NORTH NB	SHEET 231	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090208_xs

PLOT DATE : 5/25/2023 9:07 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 NORTH NB	SHEET 232	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090209_xs

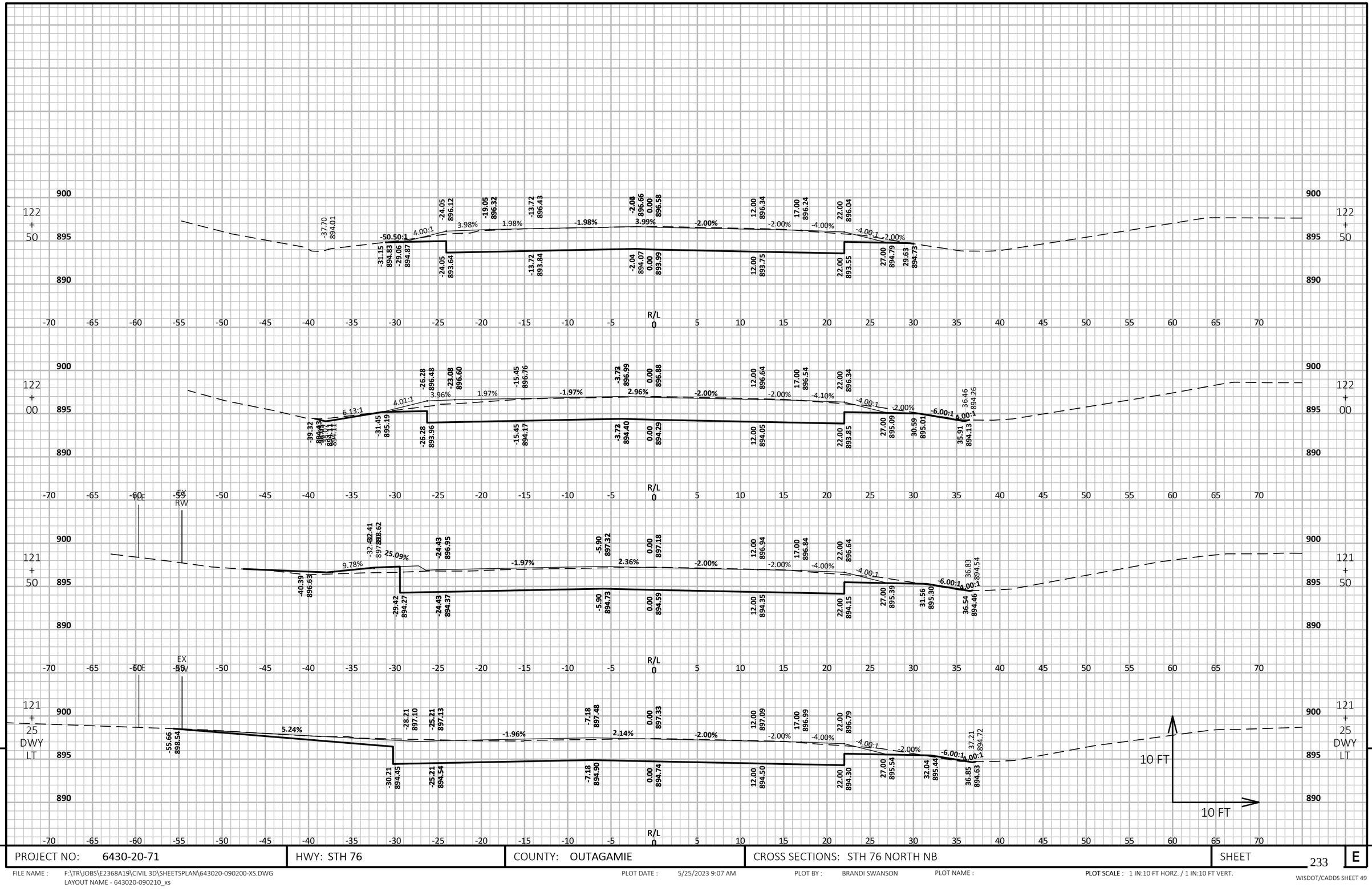
PLOT DATE : 5/25/2023 9:07 AM

PLOT BY : BRANDI SWANSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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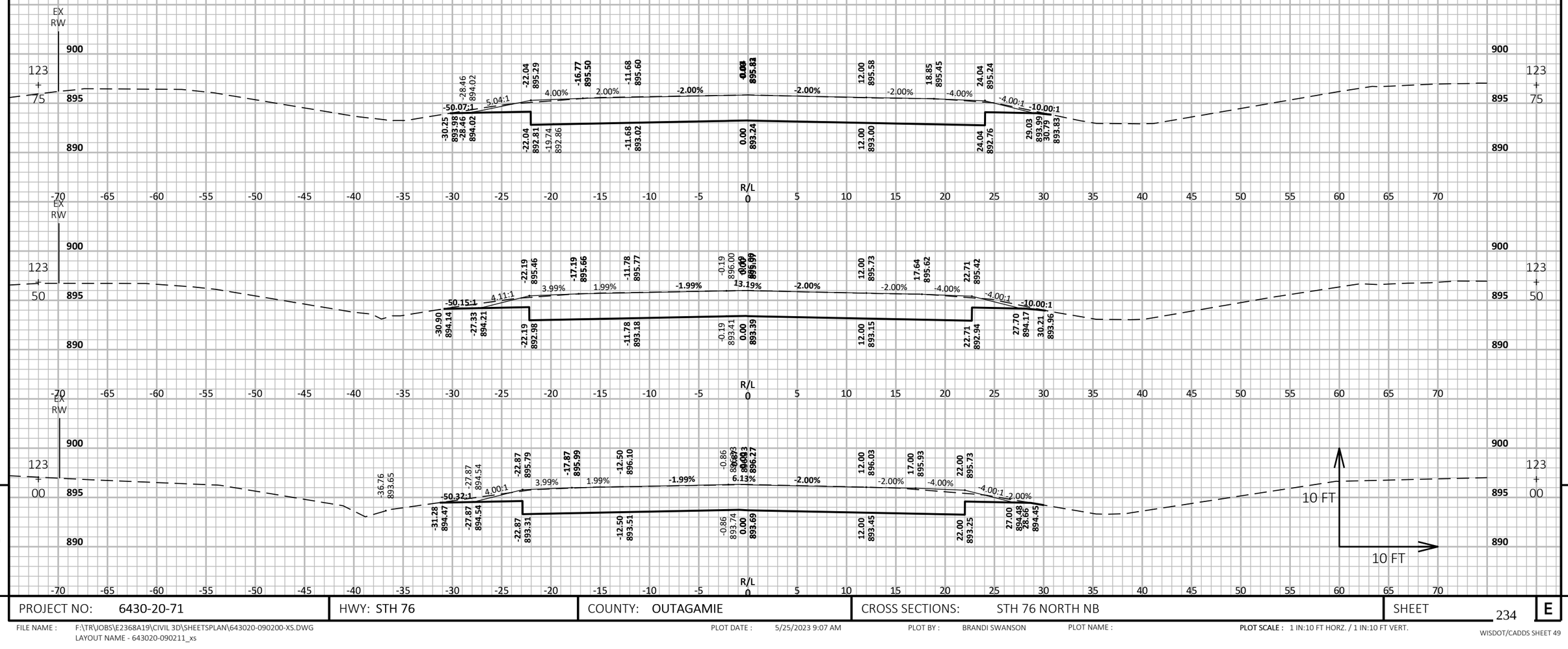
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 NORTH NB	SHEET 233	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090210_xs

PLOT DATE : 5/25/2023 9:07 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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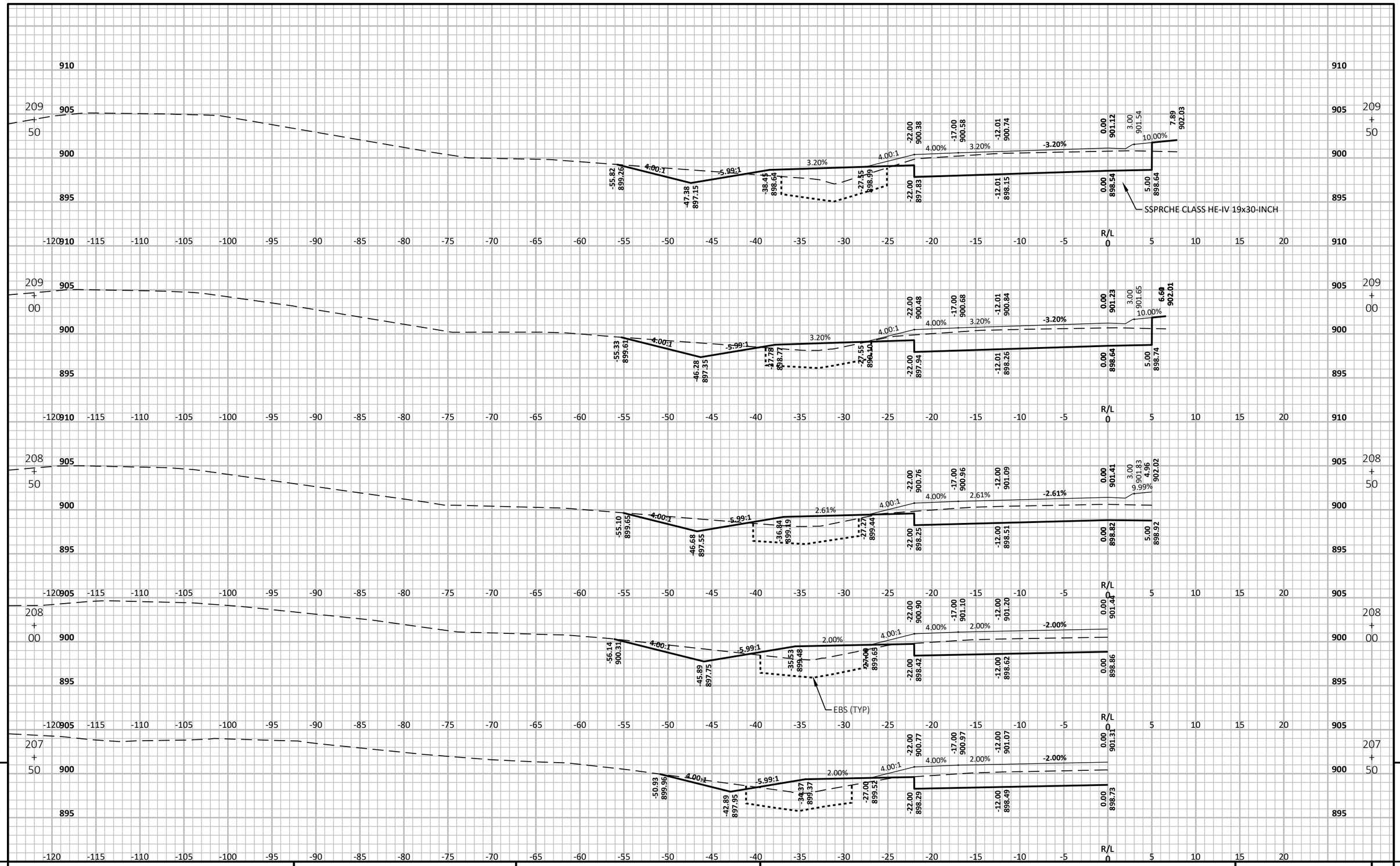
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 NORTH NB	SHEET 234	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090211_xs

PLOT DATE : 5/25/2023 9:07 AM PLOT BY : BRANDI SWANSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 SOUTH SB	SHEET 235	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090301-xs VOID

PLOT DATE : 5/25/2023 9:07 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

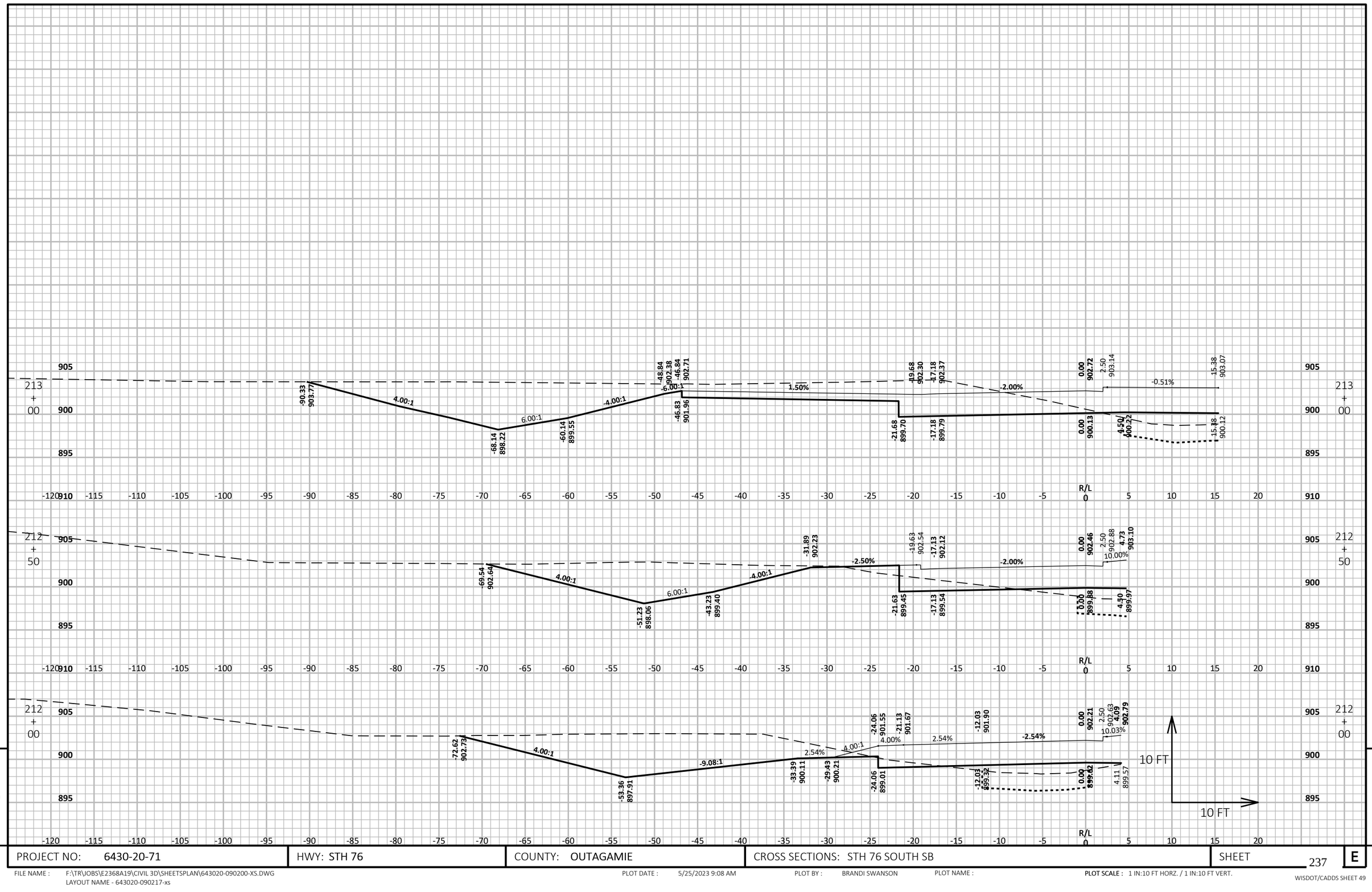
9

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 SOUTH SB	SHEET 236	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090302-xs VOID

PLOT DATE : 5/25/2023 9:08 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

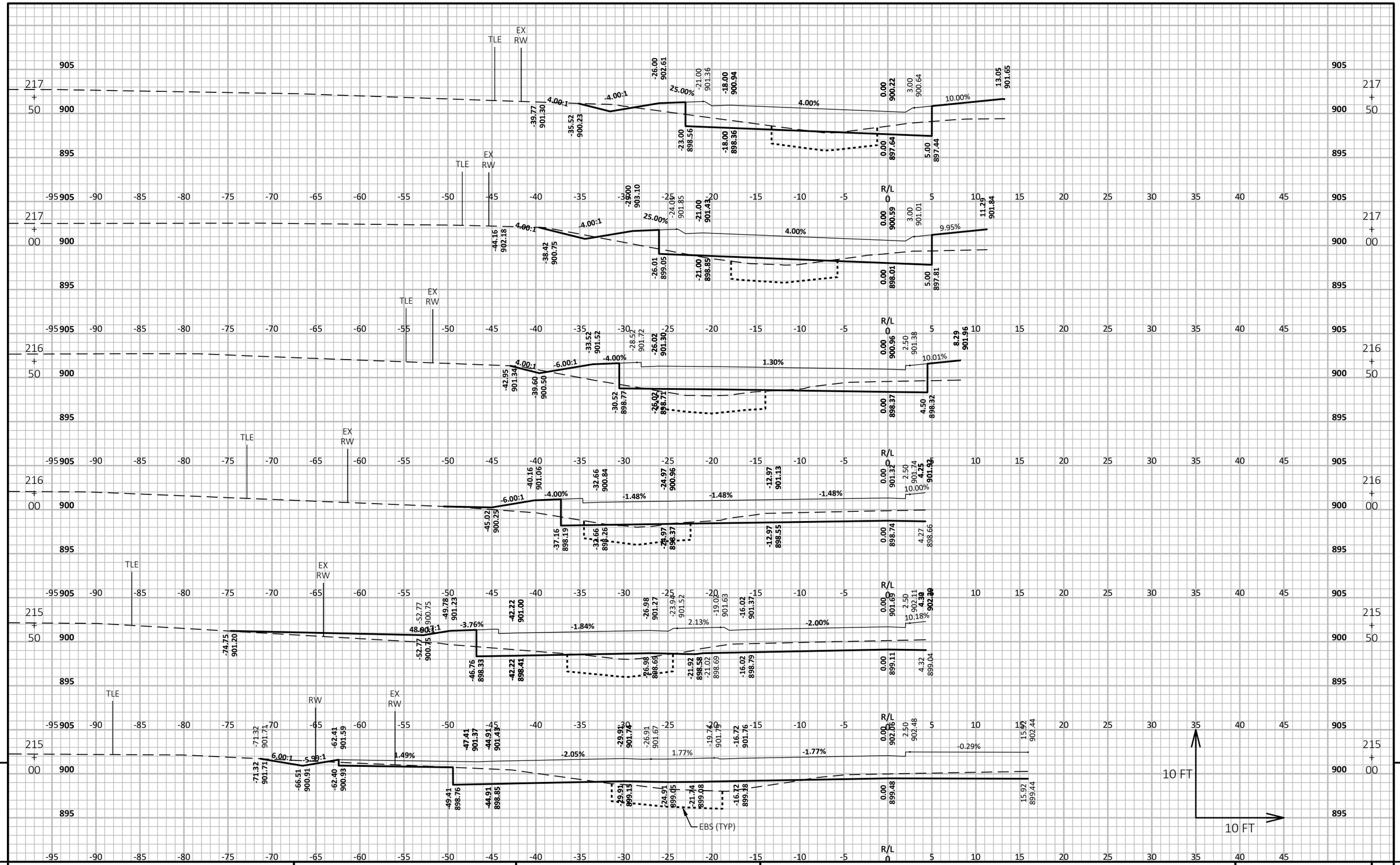


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 SOUTH SB	SHEET 237	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090217-xs

PLOT DATE : 5/25/2023 9:08 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 NORTH SB	SHEET 238	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090221-xs

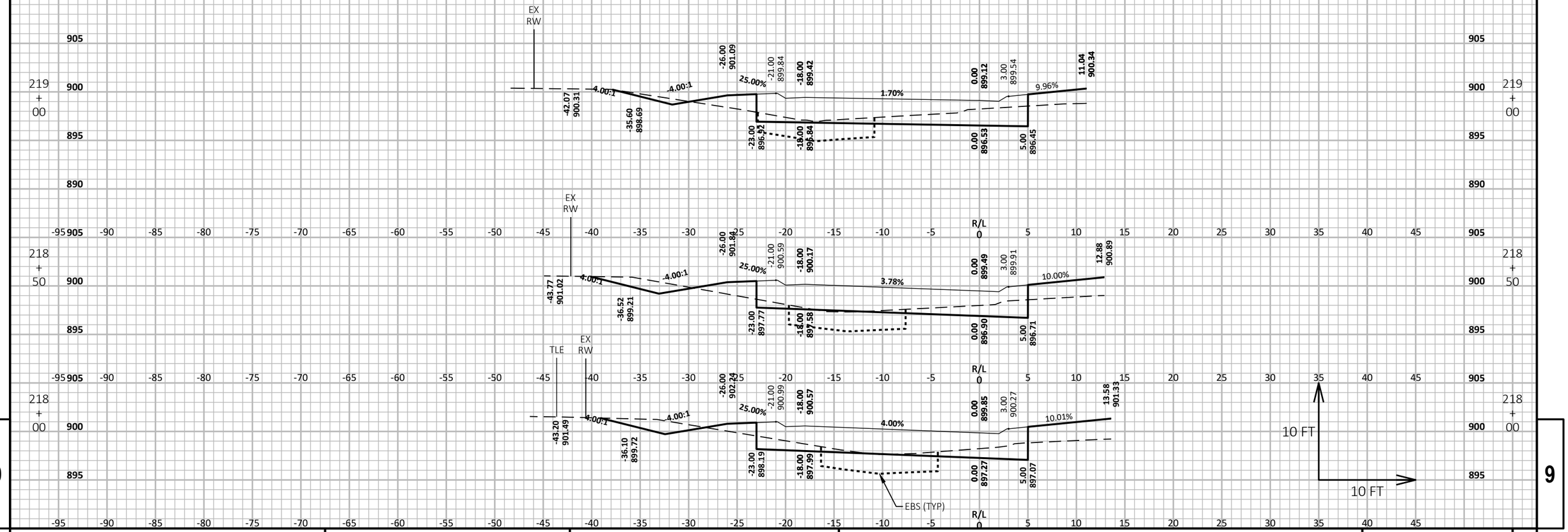
PLOT DATE : 5/25/2023 9:08 AM

PLOT BY : BRANDI SWANSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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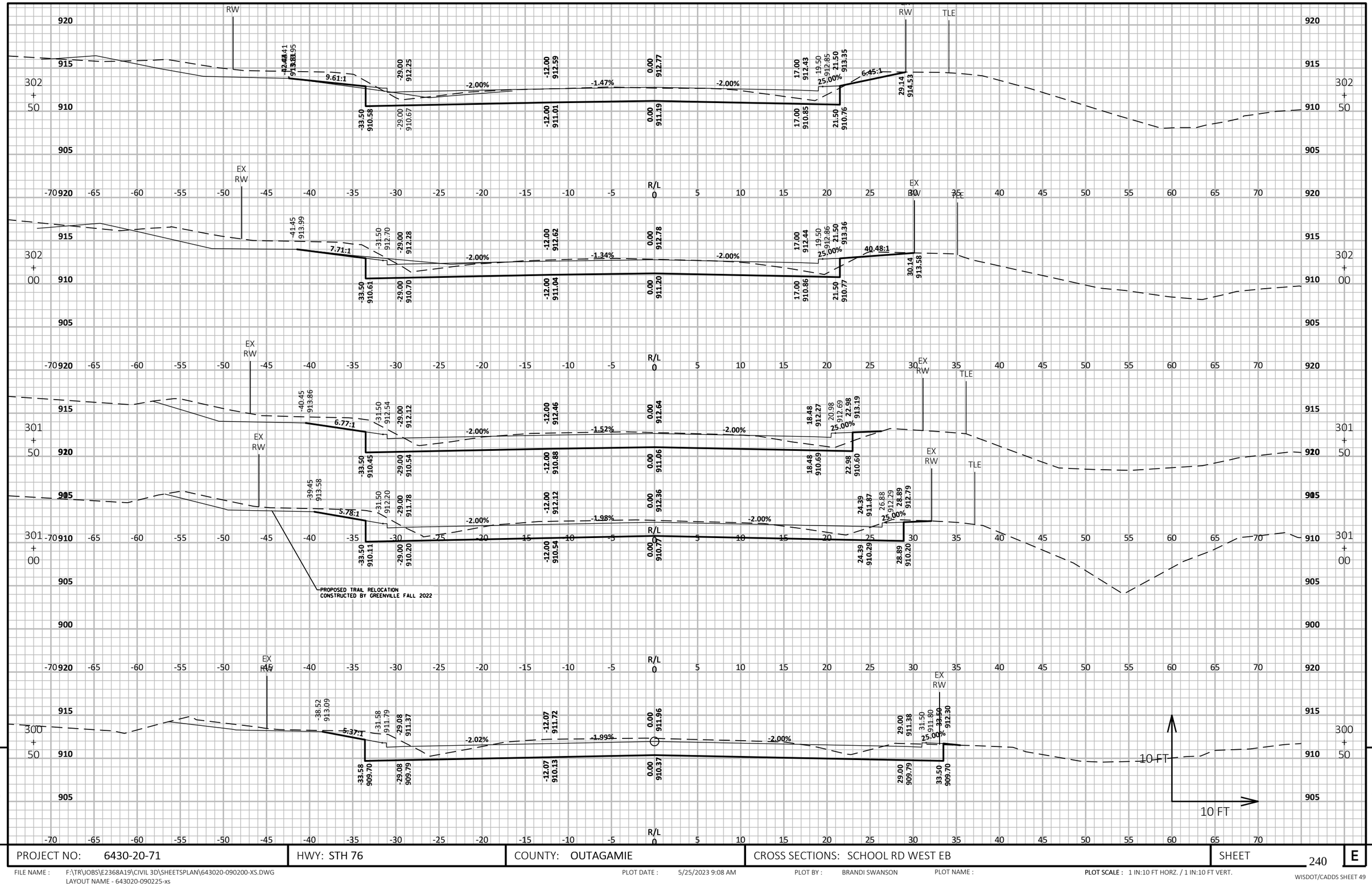
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: STH 76 NORTH SB	SHEET 239	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090222-xs

PLOT DATE : 5/25/2023 9:08 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

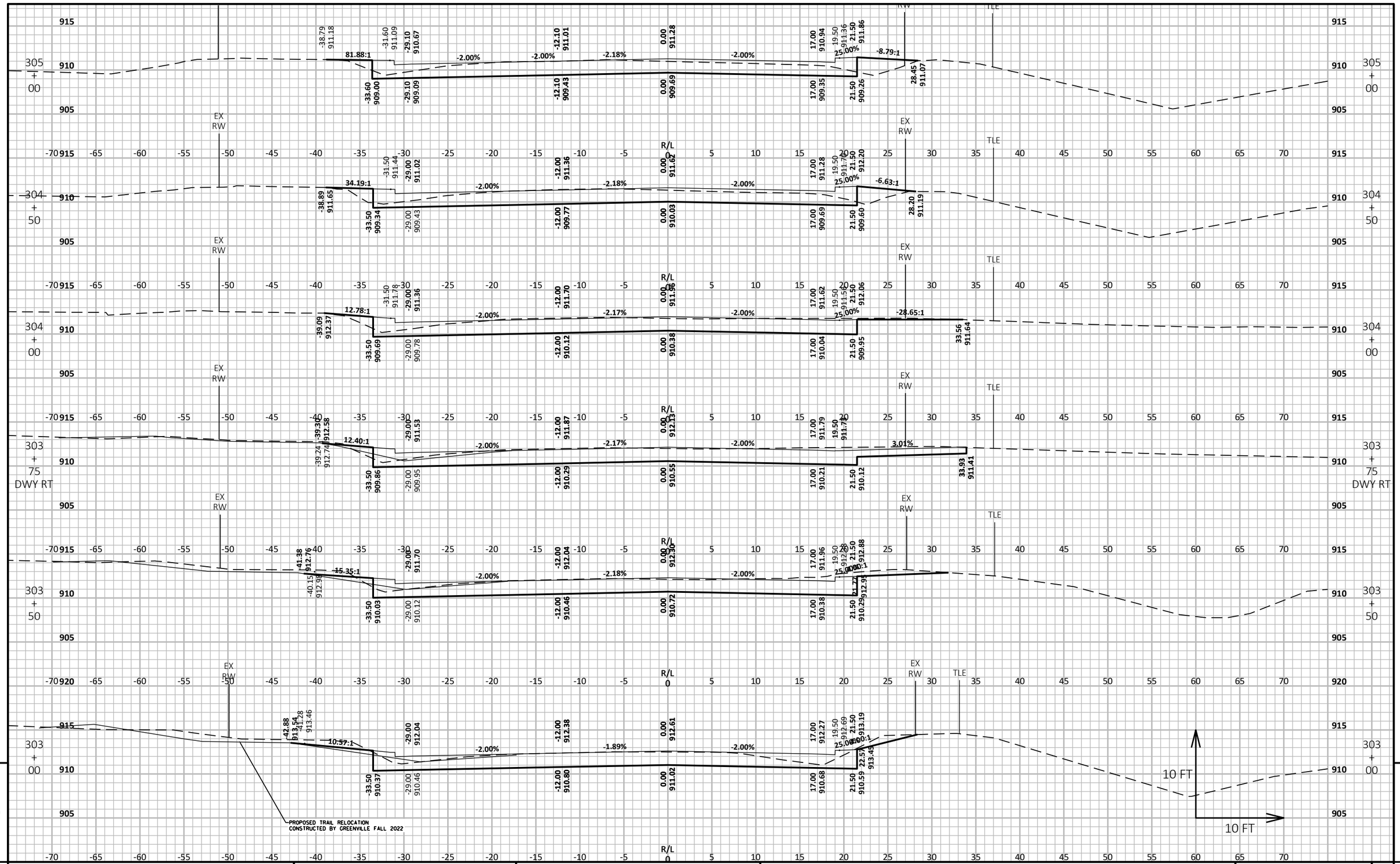


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD WEST EB	SHEET 240 E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090225-xs

PLOT DATE : 5/25/2023 9:08 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

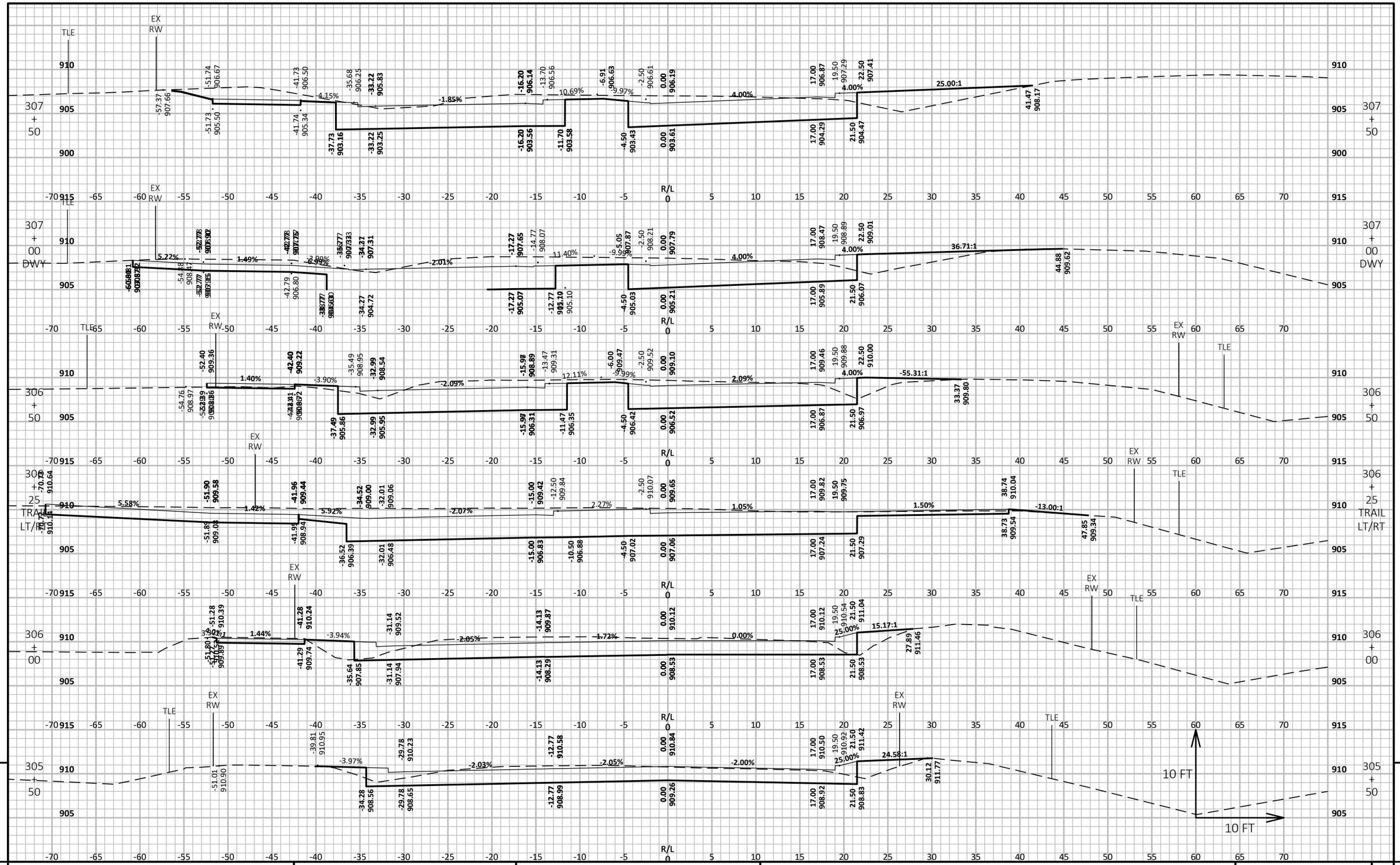


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD WEST EB	SHEET 241	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090226-xs

PLOT DATE : 5/25/2023 9:08 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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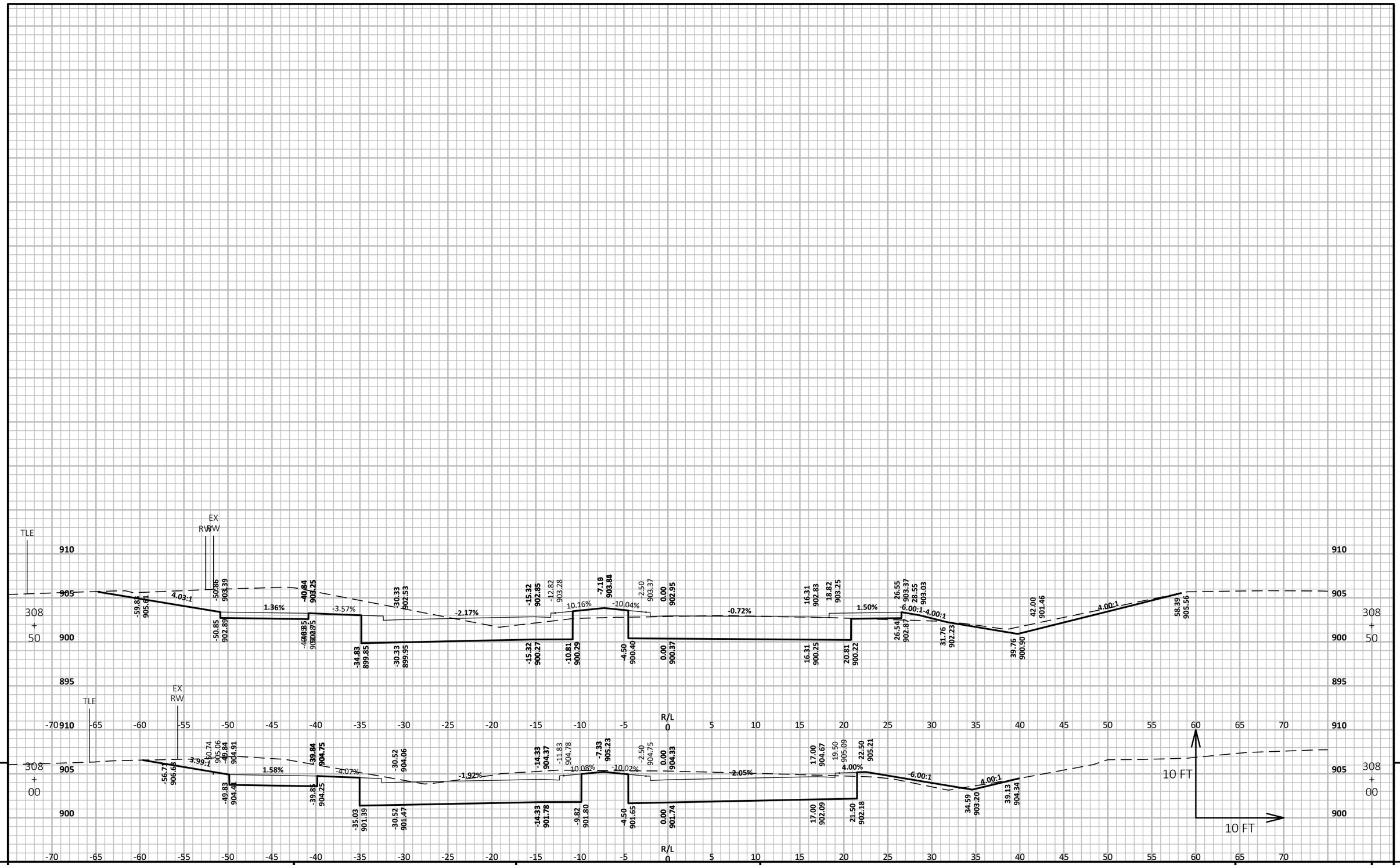
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD WEST EB	SHEET 242	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090227-xs

PLOT DATE : 5/26/2023 8:58 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD WEST EB	SHEET 243	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090228-xs

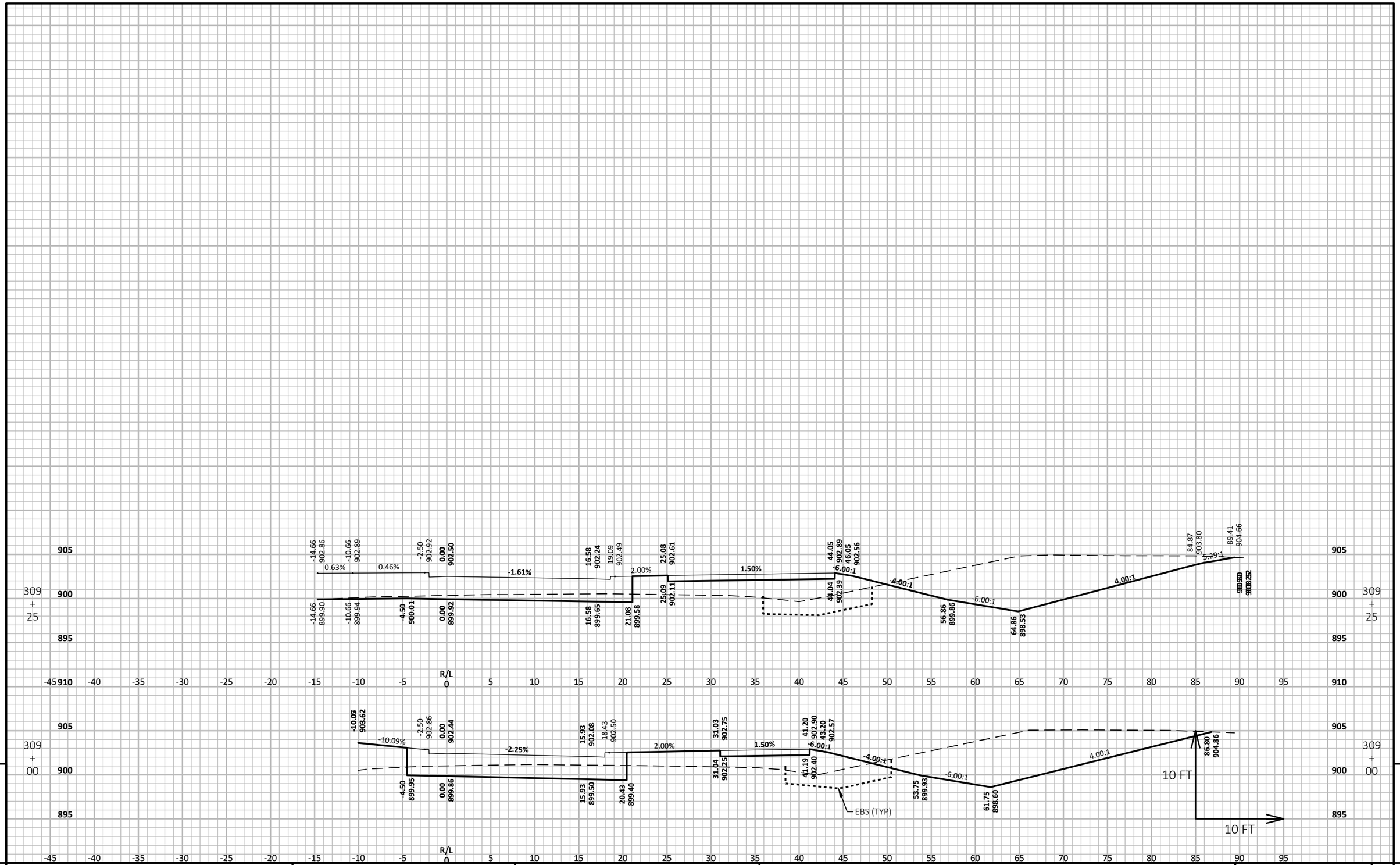
PLOT DATE : 5/25/2023 9:09 AM

PLOT BY : BRANDI SWANSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



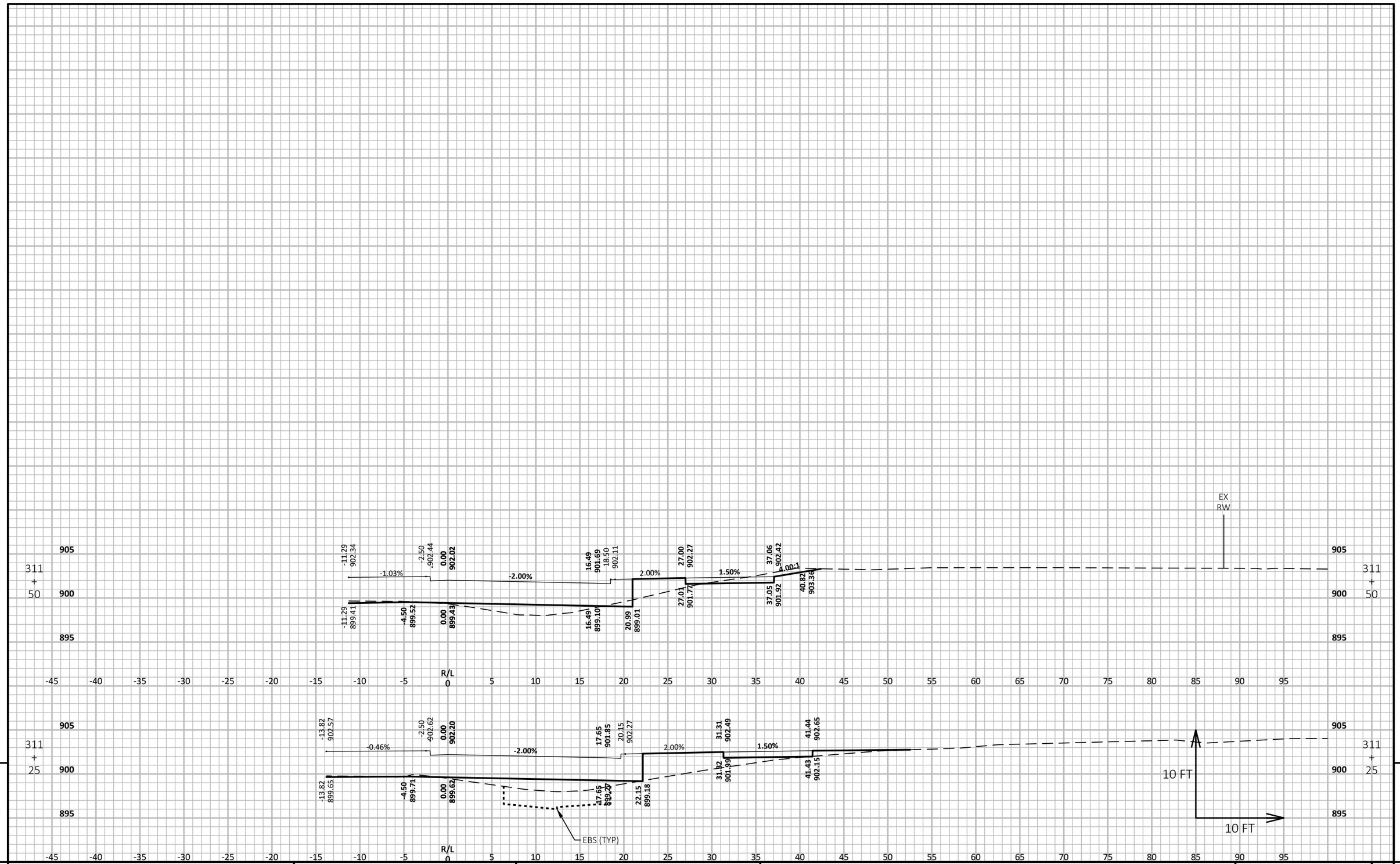
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD WEST EB	SHEET 244	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090229-xs

PLOT DATE : 5/25/2023 9:09 AM PLOT BY : BRANDI SWANSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD EAST EB	SHEET 245	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090231-xs

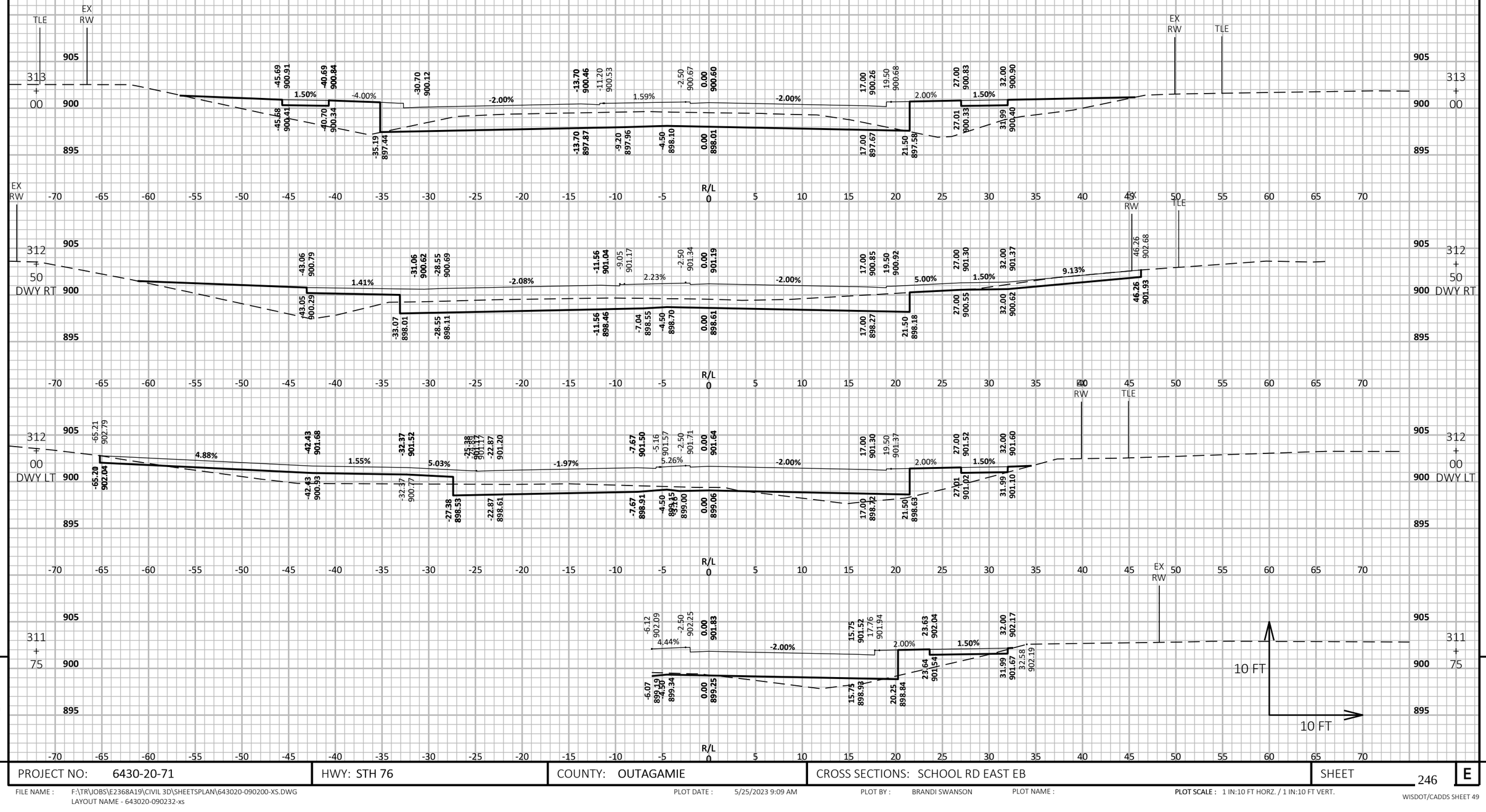
PLOT DATE : 5/25/2023 9:09 AM

PLOT BY : BRANDI SWANSON

PLOT NAME :

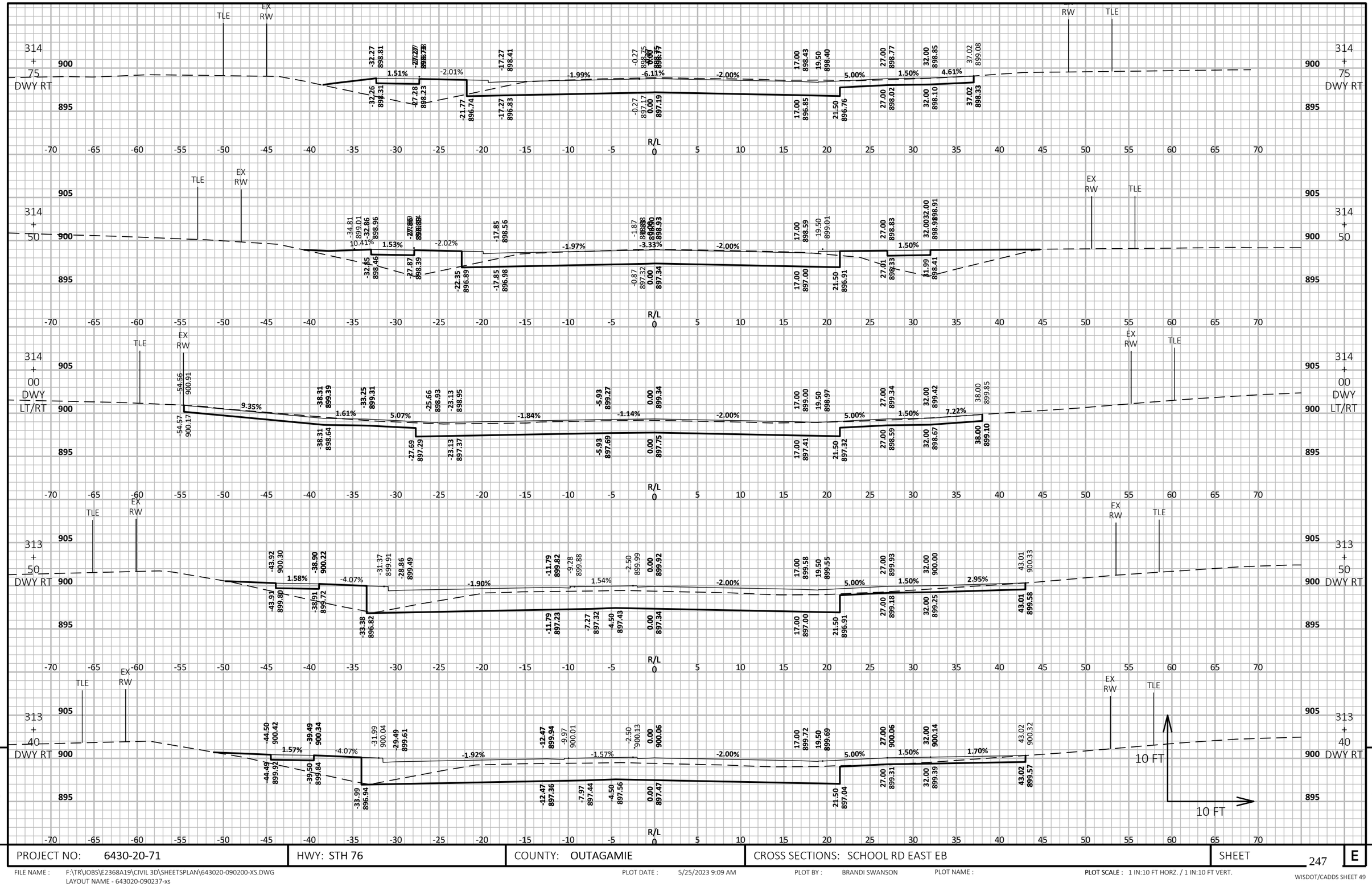
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD EAST EB	SHEET 246	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090232-xs
PLOT DATE : 5/25/2023 9:09 AM
PLOT BY : BRANDI SWANSON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

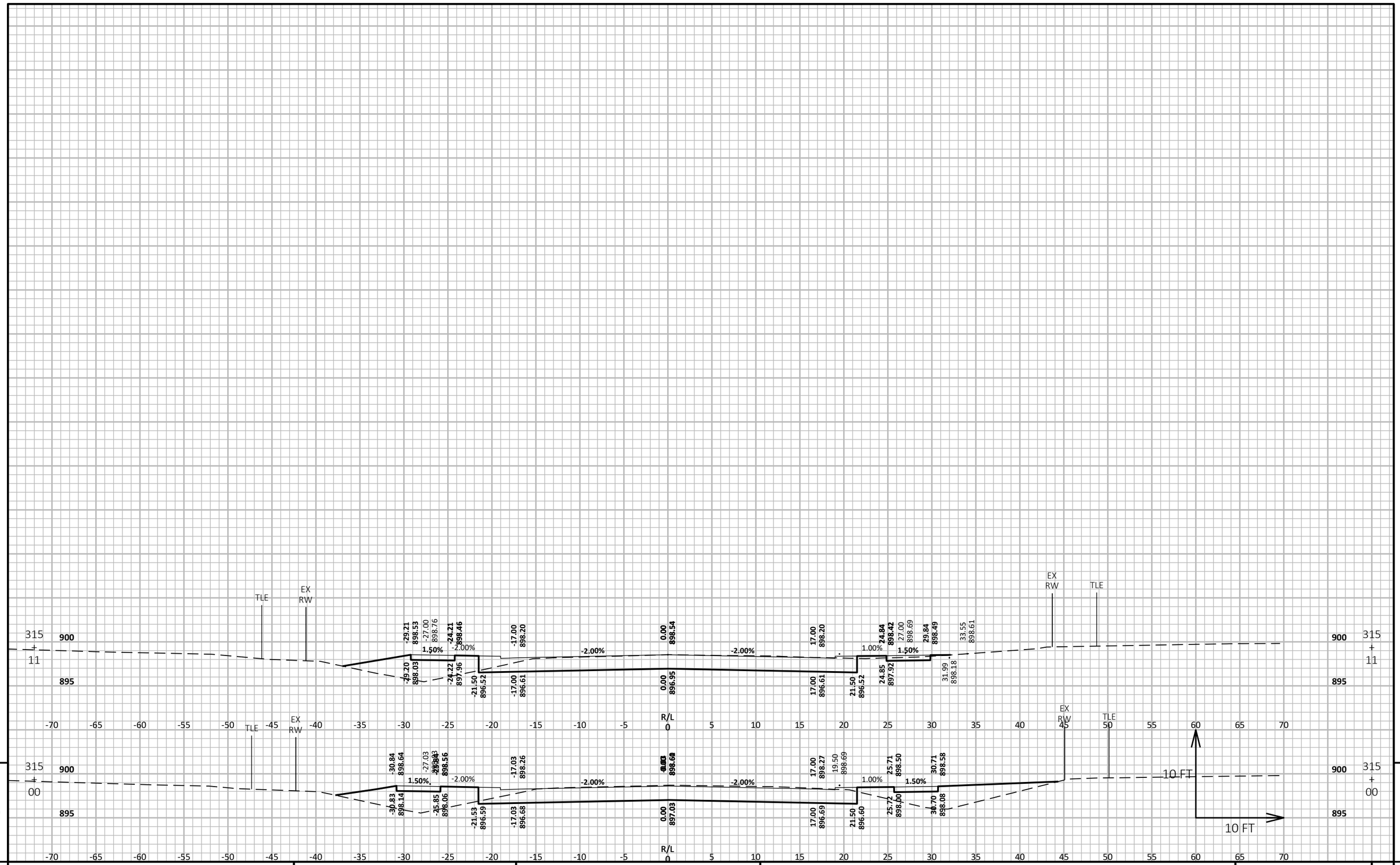


PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD EAST EB	SHEET 247 E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090237-xs

PLOT DATE : 5/25/2023 9:09 AM PLOT BY : BRANDI SWANSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

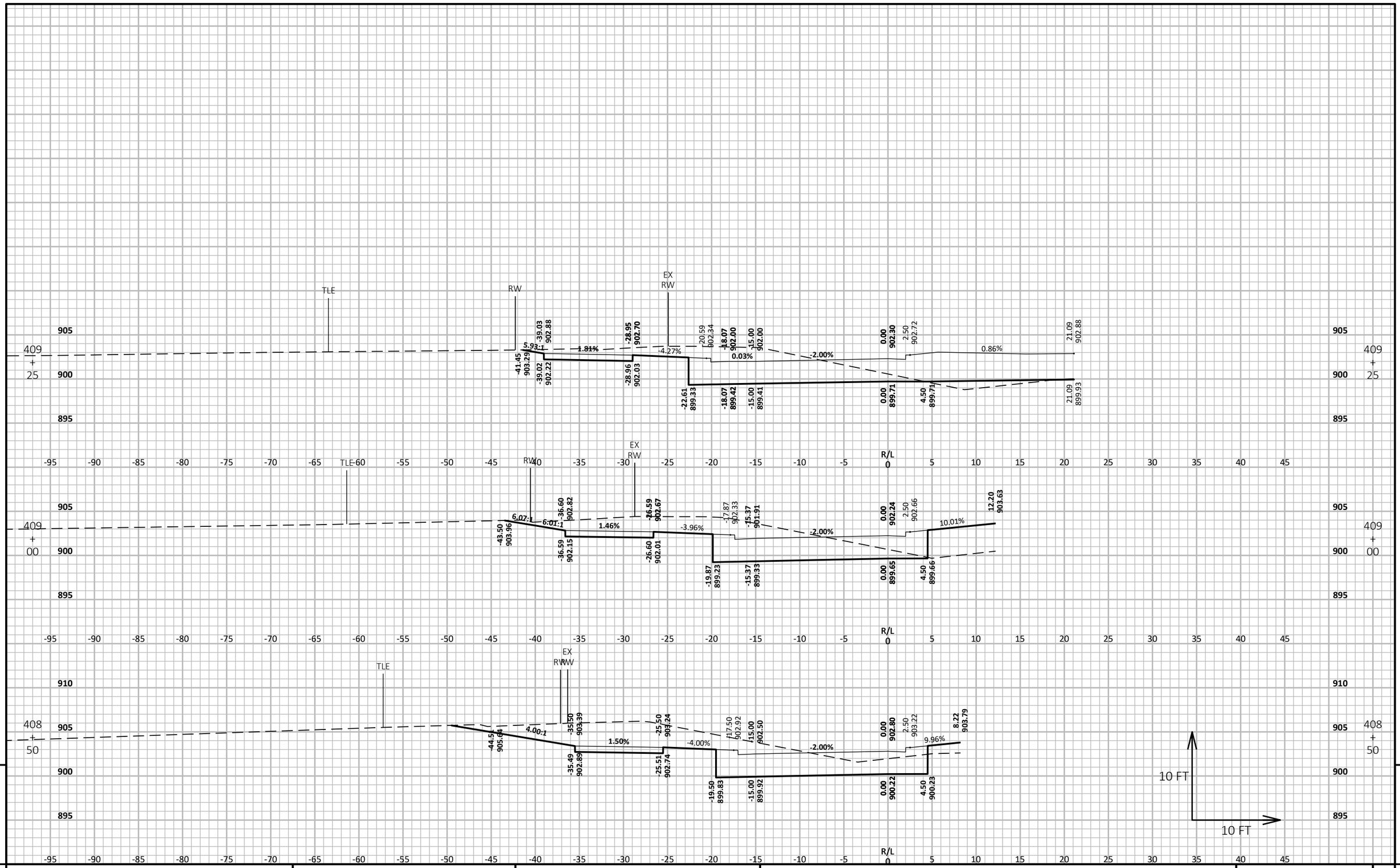


9 9

PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD EAST EB	SHEET 248	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090234-xs

PLOT DATE : 5/25/2023 9:10 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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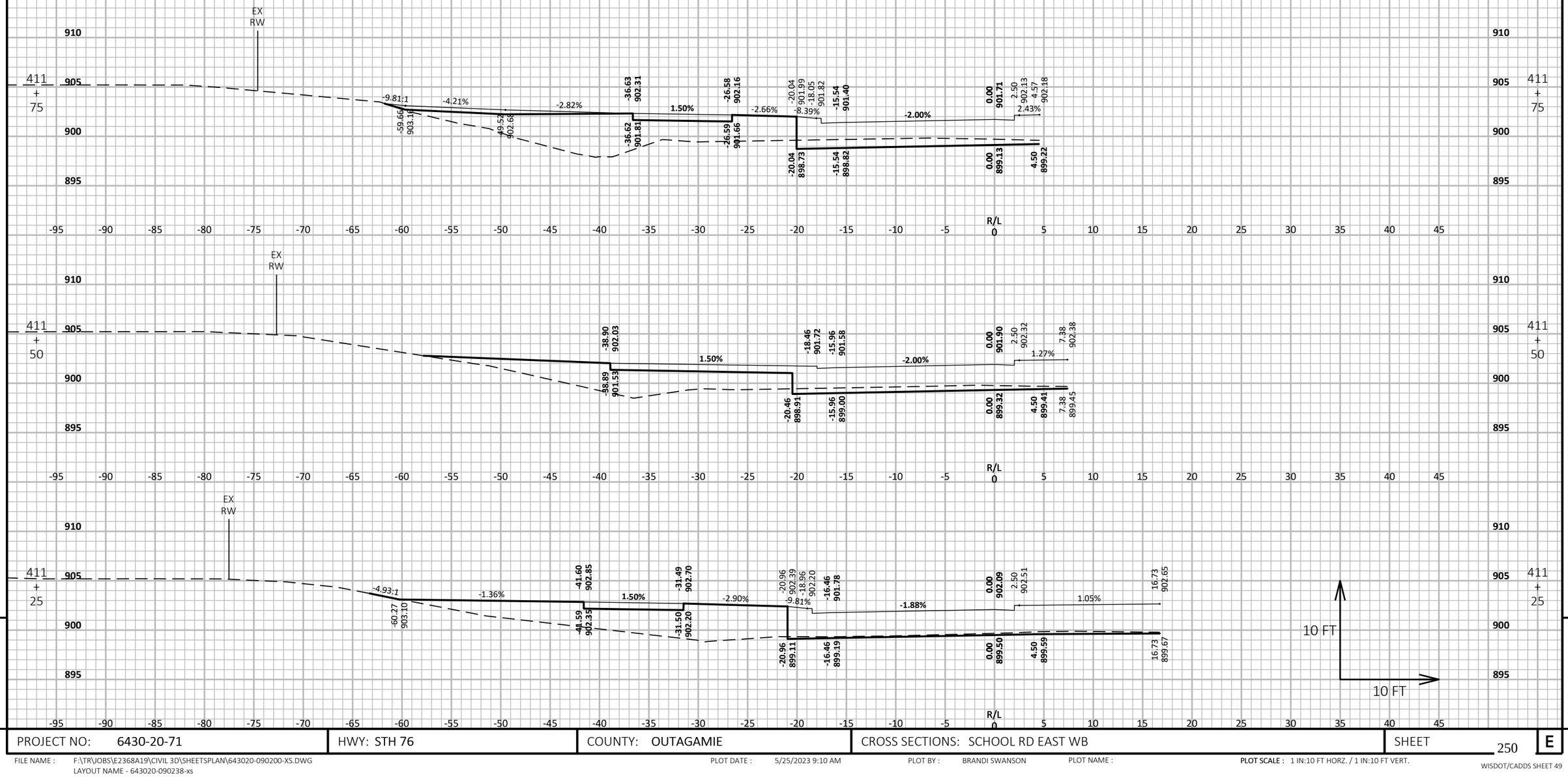
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD WEST WB	SHEET 249	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090235-xs

PLOT DATE : 5/25/2023 9:10 AM PLOT BY : BRANDI SWANSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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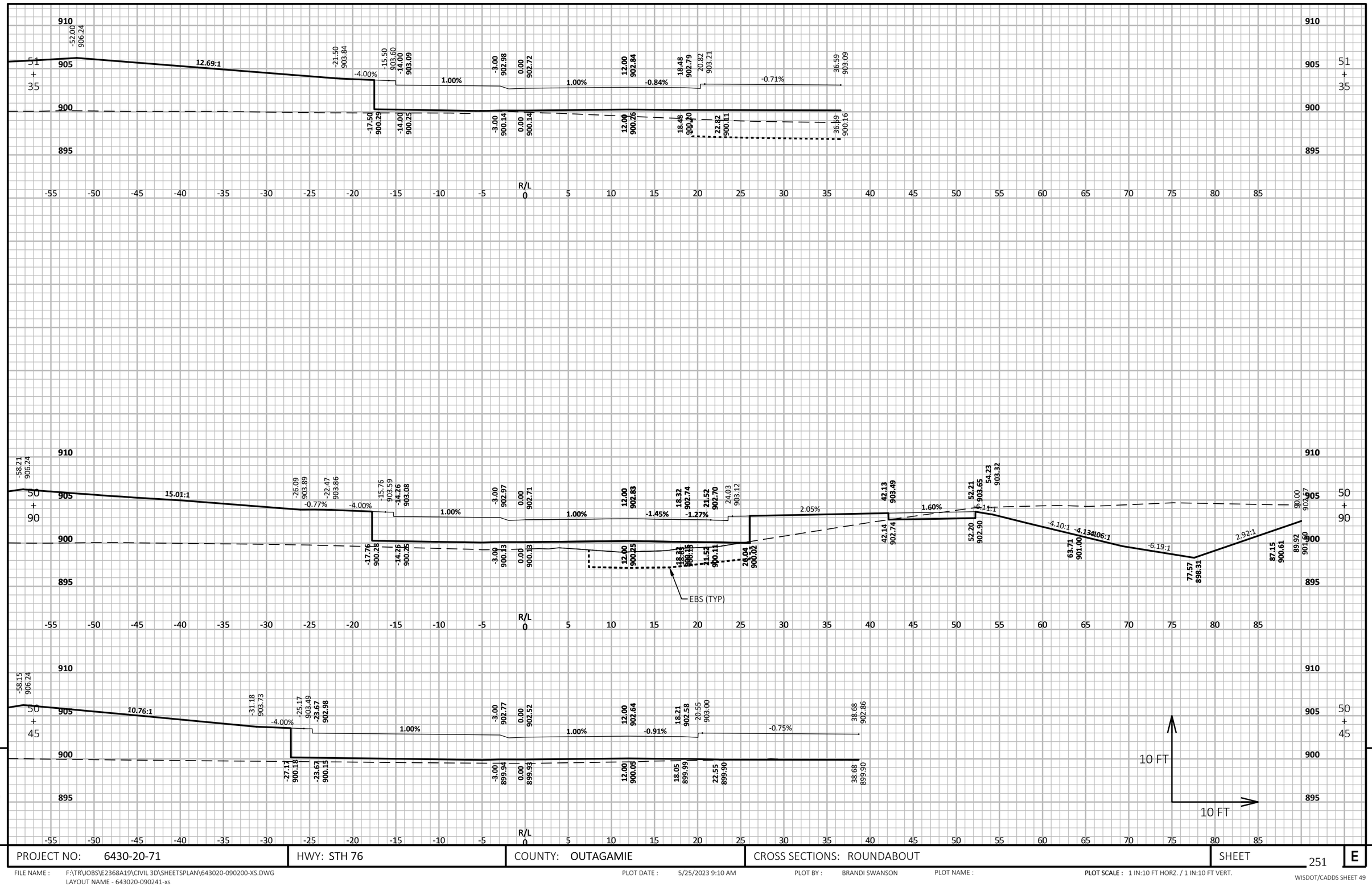
PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: SCHOOL RD EAST WB	SHEET 250	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090238-xs

PLOT DATE : 5/25/2023 9:10 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

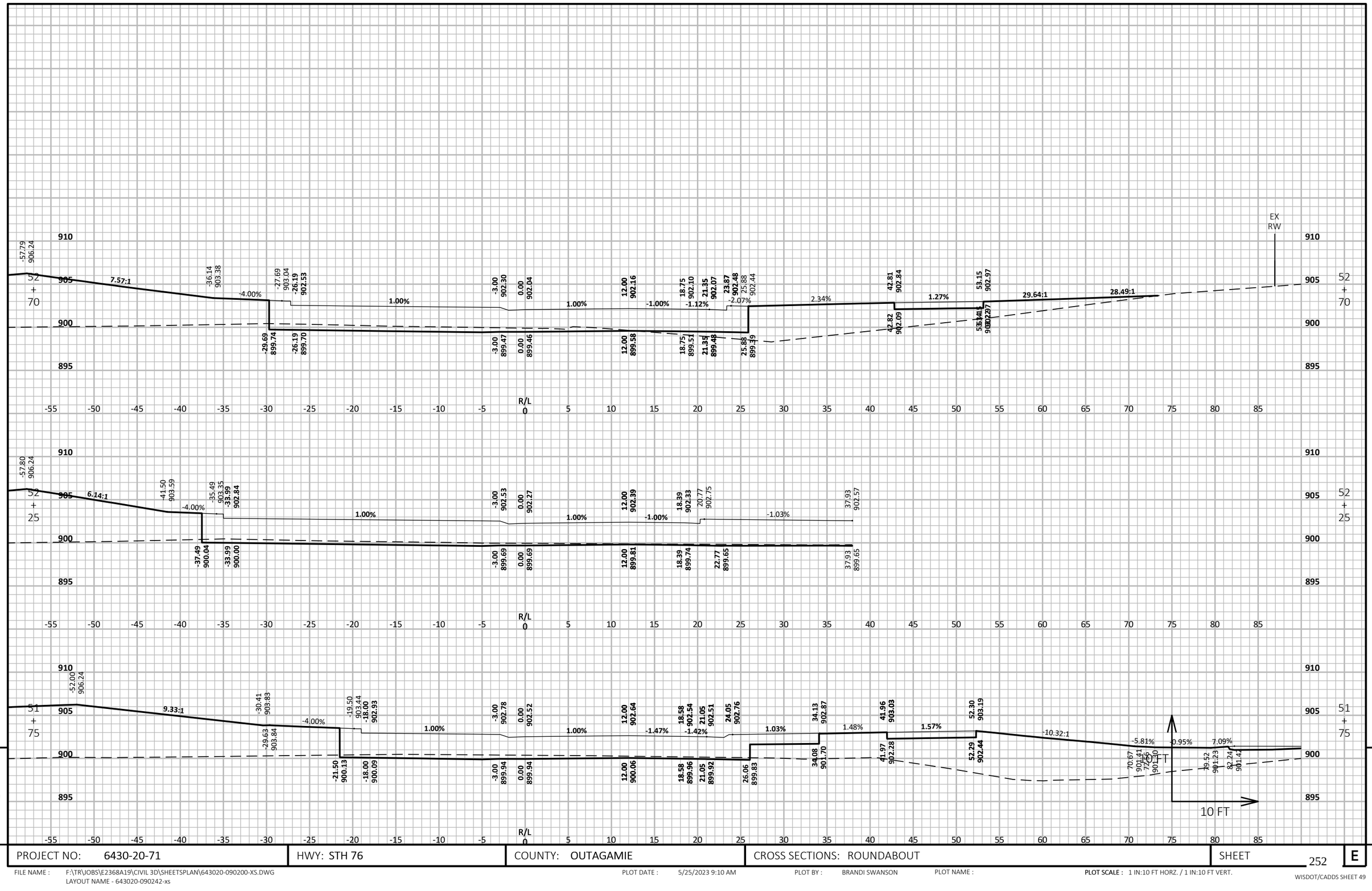
WISDOT/CADDS SHEET 49



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: ROUNDABOUT	SHEET 251	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090241-xs

PLOT DATE : 5/25/2023 9:10 AM PLOT BY : BRANDI SWANSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: ROUNDABOUT	SHEET 252	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090242-xs

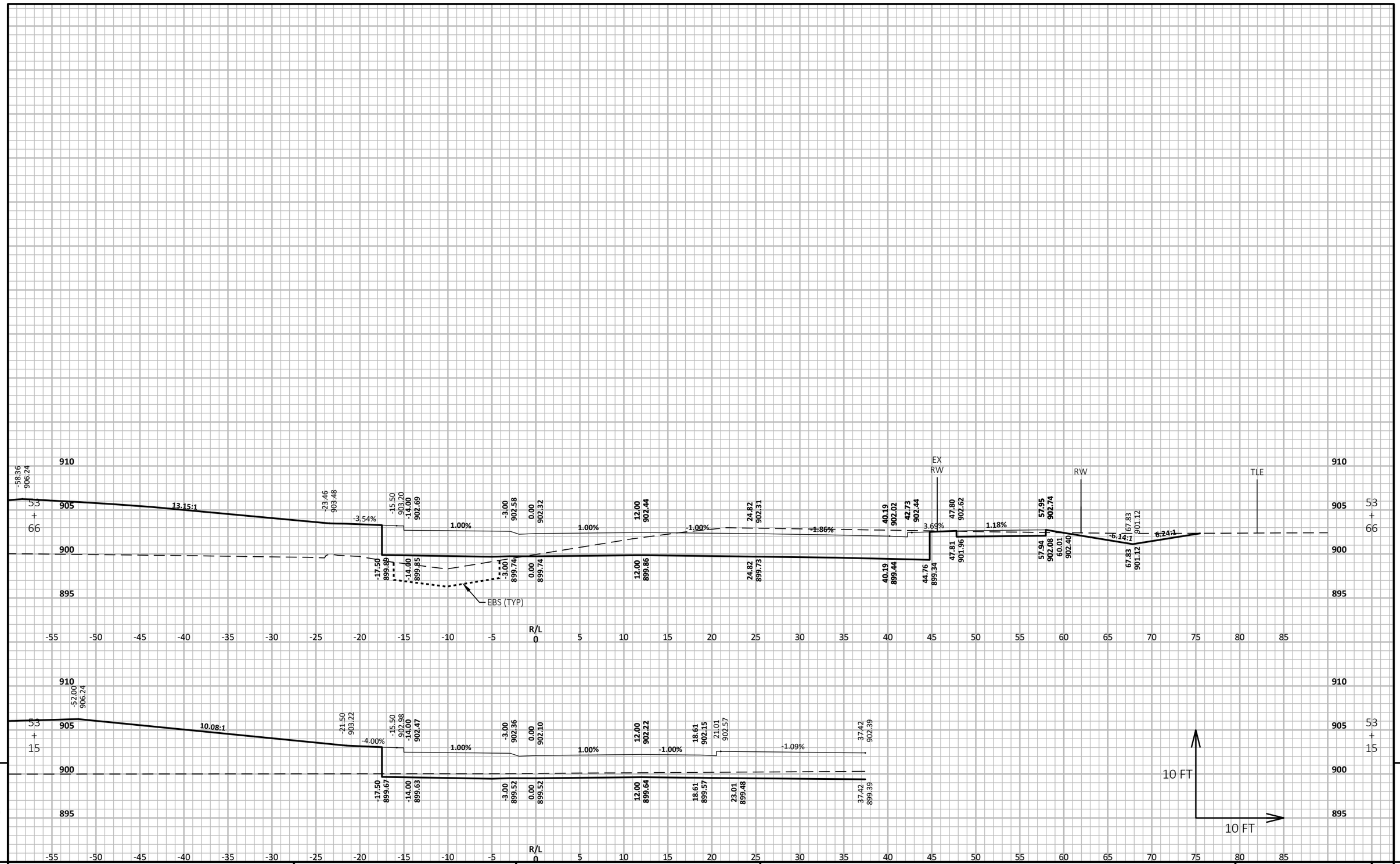
PLOT DATE : 5/25/2023 9:10 AM

PLOT BY : BRANDI SWANSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6430-20-71	HWY: STH 76	COUNTY: OUTAGAMIE	CROSS SECTIONS: ROUNDABOUT	SHEET 253	E

FILE NAME : F:\TR\JOBS\E2368A19\CIVIL 3D\SHEETSPLAN\643020-090200-XS.DWG
LAYOUT NAME - 643020-090243-xs

PLOT DATE : 5/25/2023 9:10 AM PLOT BY : BRANDI SWANSON 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.

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