GRE

NOVEMBER 2023

PROJECT ID: 4291-03-70

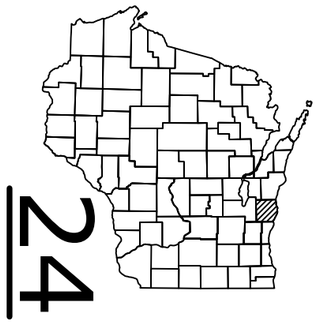
WITH: N/A

COUNTY: SHEBOYGAN

ORDER OF SHEETS

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

TOTAL SHEETS = 460



N

DESIGN DESIGNATION

A.A.D.T. (2024)	=	15,120
A.A.D.T. (2044)	=	16,580
D.H.V.	=	N/A
D.D.	=	50/50
T.	=	3.0%
DESIGN SPEED	=	40 MPH
ESALS	=	790,000

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SHEBOYGAN CO, CTH TA

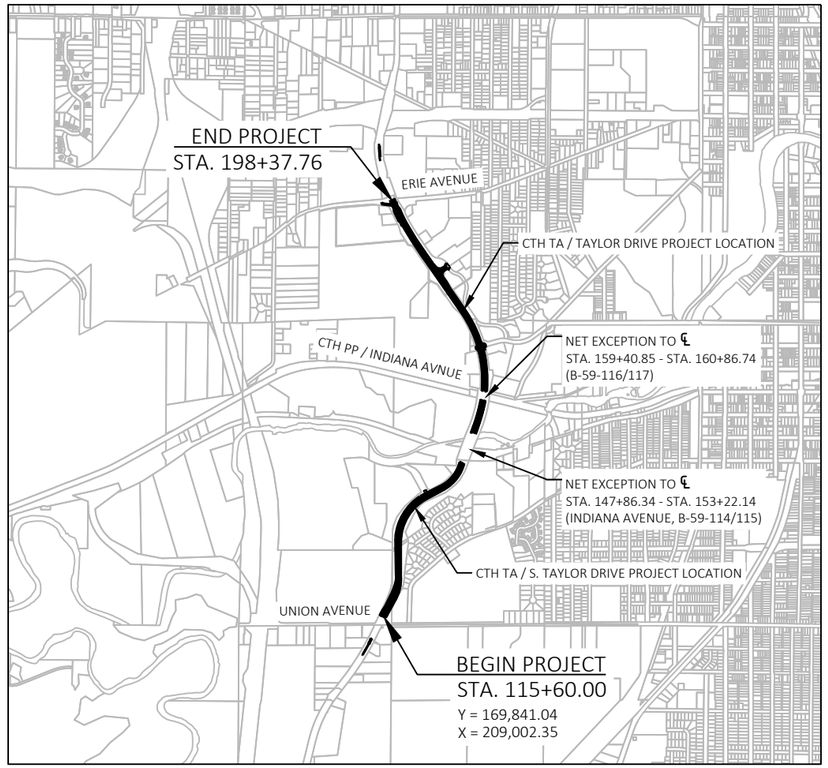
UNION AVENUE TO ERIE AVENUE

CTH TA
SHEBOYGAN COUNTY

STATE PROJECT NUMBER
4291-03-70

R-23-E

T-15-N



LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 1.439 MI

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, SHEBOYGAN COUNTY, NAD83 (2011).

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012).

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4291-03-70	WISC 2024016	1

ACCEPTED FOR SHEBOYGAN COUNTY

SIGNATURE:

TITLE: Transportation Director

DATE: 7/27/2023

ORIGINAL PLANS PREPARED BY

STRAND ASSOCIATES®
126 N. JEFFERSON STREET, SUITE 350
MILWAUKEE, WISCONSIN 53202
(414) 271-0771

WISCONSIN
ERIC P ANDERSON
E-48285
NEW BERLIN
WI
PROFESSIONAL ENGINEER

07/27/23

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	DOUGLAS KIRST, P.E.
Regional Examiner	WISDOT NE REGION LOCAL PROGRAM
Regional Supervisor	BRIAN EDWARDS, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 7/27/23 (Signature)

E

GENERAL NOTES

ALL AREAS DISTURBED BY PROJECT CONSTRUCTION, BOTH INSIDE AND OUTSIDE OF THE RIGHT-OF-WAY, SHALL BE RESTORED ACCORDING TO THE PLAN OR AS DIRECTED BY THE ENGINEER.

RE-TOPSOIL GRADED AREAS IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN DISTURBED AREAS. SEED, FERTILIZE AND EROSION MAT TOP-SOILED AREAS WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. SEED WITH TEMPORARY SEED AND EROSION MAT ALL DISTURBED AREAS THAT WILL NOT BE PERMANENTLY RESTORED IN 14 DAYS OR LESS.

EXISTING PIPE SIZES ARE APPROXIMATE. FIELD VERIFY SIZES PRIOR TO CONSTRUCTION.

PIPE ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED, WITH APPROVAL OF THE ENGINEER, TO FIT EXISTING FIELD CONDITIONS.

MAINTAIN STORM SEWER CAPACITY EQUIVALENT TO THE EXISTING STORM SEWER SYSTEM WITHIN THE PROJECT LIMITS DURING RAIN EVENTS AND AT THE END OF THE DAY.

A SAWED JOINT SHALL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

EXISTING UTILITIES SHOWN ARE INDICATED IN ACCORDANCE WITH THE INFORMATION PROVIDED BY THE UTILITY COMPANIES AND FIELD SURVEY. PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT DIGGERS HOTLINE FOR UTILITY LOCATES AND BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS OF THE UTILITY MAINS AND SERVICES DURING CONSTRUCTION.

PROTECT ALL CONTROL POINTS NOT DIRECTLY IN THE CONSTRUCTION AREA.

PROTECT ALL PROPERTY IRONS.

ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF LANE OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PAVING GRADES
CURB RAMP DETAILS
INTERSECTION DETAILS
EROSION CONTROL
STORM SEWER
WATER MAIN
TEMPORARY TRAFFIC SIGNAL PLAN
TRAFFIC SIGNAL REMOVAL PLAN
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING AND PERMANENT SIGNING
TRAFFIC CONTROL
DETOUR
ALIGNMENT DATA
CONTROL POINT DATA

UTILITY CONTACTS

* ALLIANT ENERGY - ELECTRIC
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4421 TOWER DRIVE
SHEBOYGAN, WI 53081
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GRAYNESKIBO@ALLIANTENERGY.COM

* AT&T - TELEPHONE
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CB1461@ATT.COM

* ATC
CHRIS DAILEY
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WAUKESHA, WI 53187
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* CHARTER - COMMUNICATIONS
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JAMIE.AHRENS@CHARTER.COM

* CITY OF SHEBOYGAN - SANITARY
KEVIN JUMP
2026 NEW JERSEY AVENUE
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* CITY OF SHEBOYGAN - ELECTRIC
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* TC ENERGY
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W3925 PIPELINE LANE
EDEN, WI 53019
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TODD_BRISTER@TRANSCANADA.COM

* WINDSTREAM
LORI KETTER
969 WAUBE LANE
GREEN BAY, WI 54304
PH: (920) 410-6902
LORI.KETTER@WINDSTREAM.COM

* WISCONSIN PUBLIC SERVICE - NATURAL GAS
MATT GABODA
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SHEBOYGAN, WI 53081
PH: (920) 451-3743
MATT.GABODA@
WISCONSINPUBLICSERVICE.COM

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

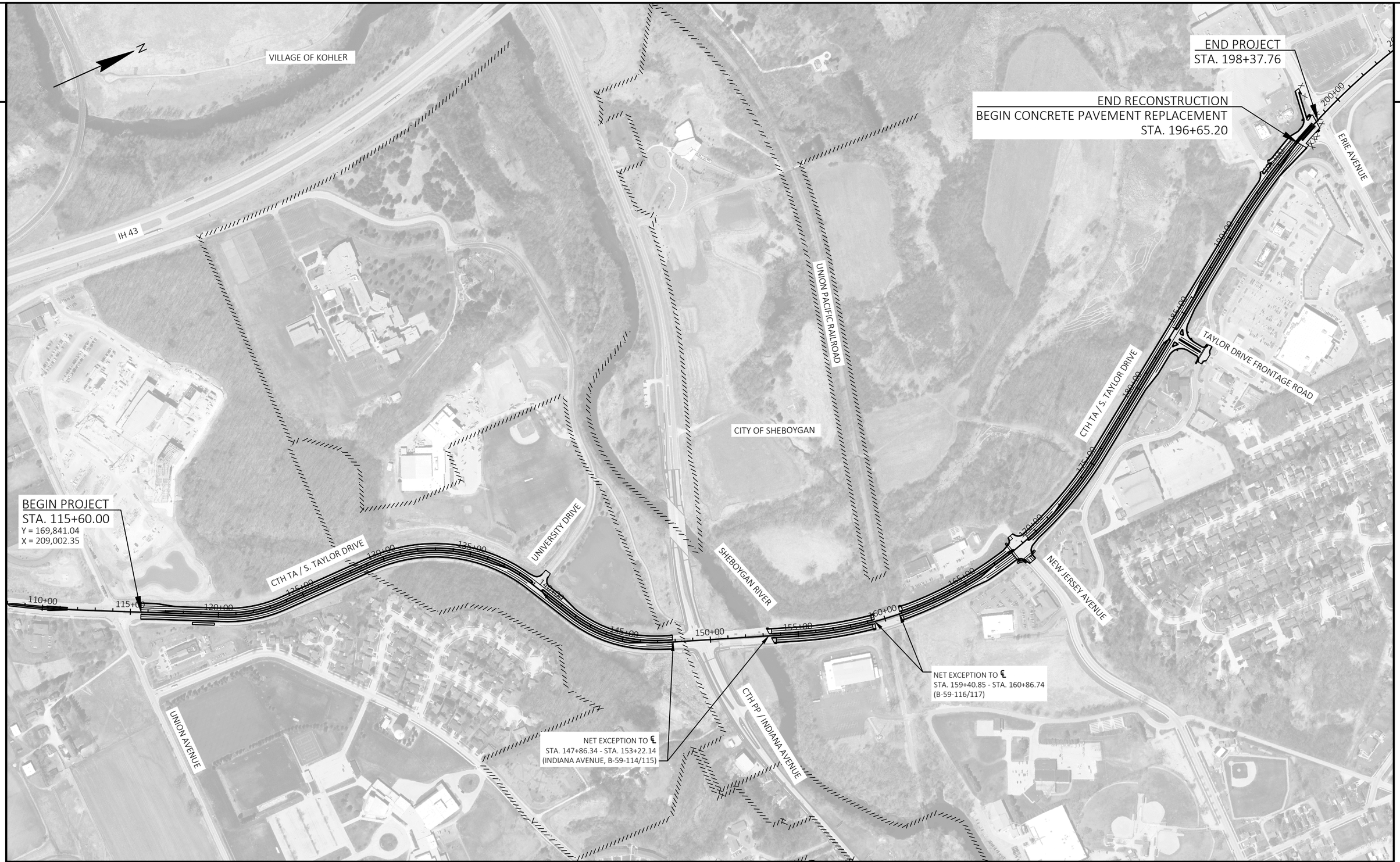
*DENOTES DIGGERS HOTLINE MEMBER

OTHER CONTACTS

WISDNR CONTACT

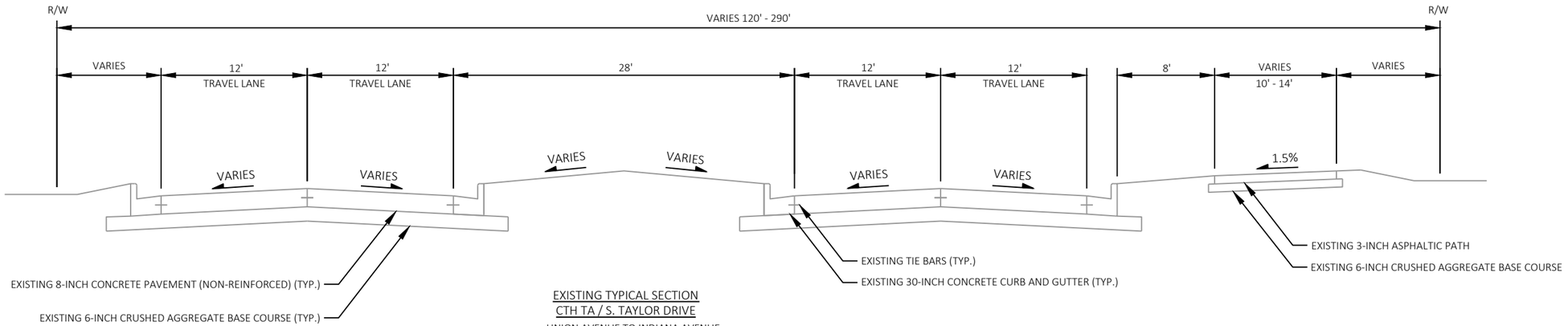
JEREMIAH SCHIEFELBEIN
DNR NE REGIONAL HQ
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
PH: (920) 360-3784
jeremiah.schiefelbein@wisconsin.gov

2



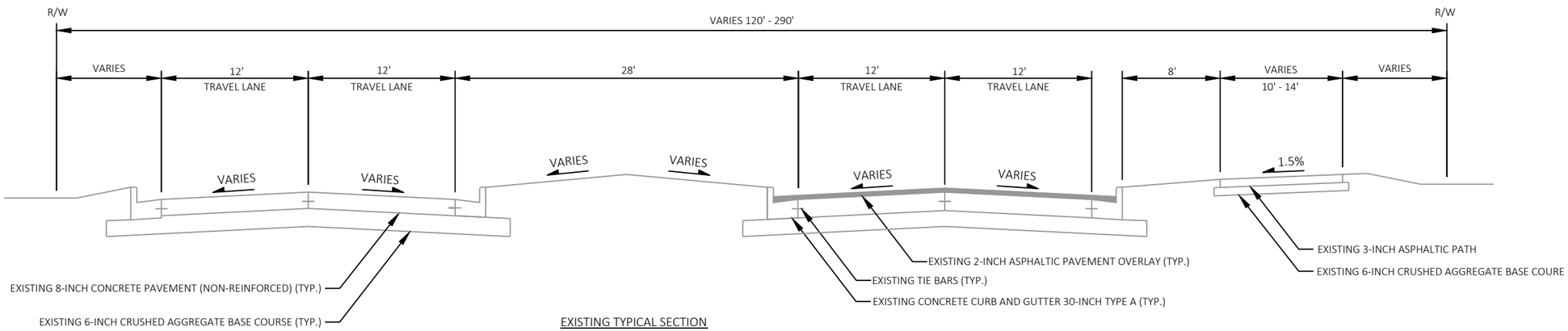
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PROJECT OVERVIEW	SHEET 3	E

2



EXISTING TYPICAL SECTION
CTH TA / S. TAYLOR DRIVE

UNION AVENUE TO INDIANA AVENUE
NORTH OF EXISTING BRIDGES TO ERIE AVENUE
(STA. 115+60.00 - STA. 147+86.34)
(STA. 160+86.74 - STA. 196+65.20)



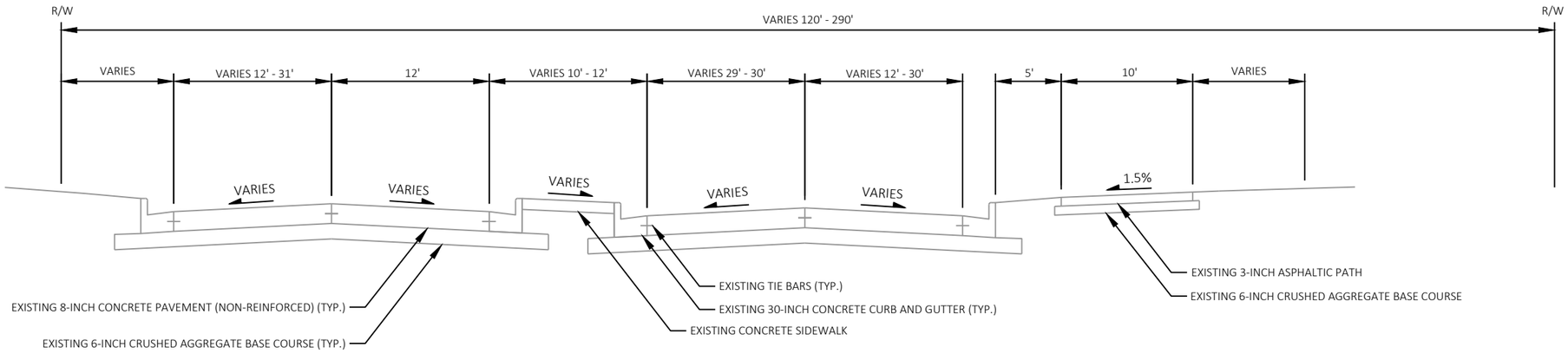
EXISTING TYPICAL SECTION
CTH TA / S. TAYLOR DRIVE

B-59-114/115 TO NORTH OF B-59-116/117
(STA. 153+22.14 - STA. 160+86.74)

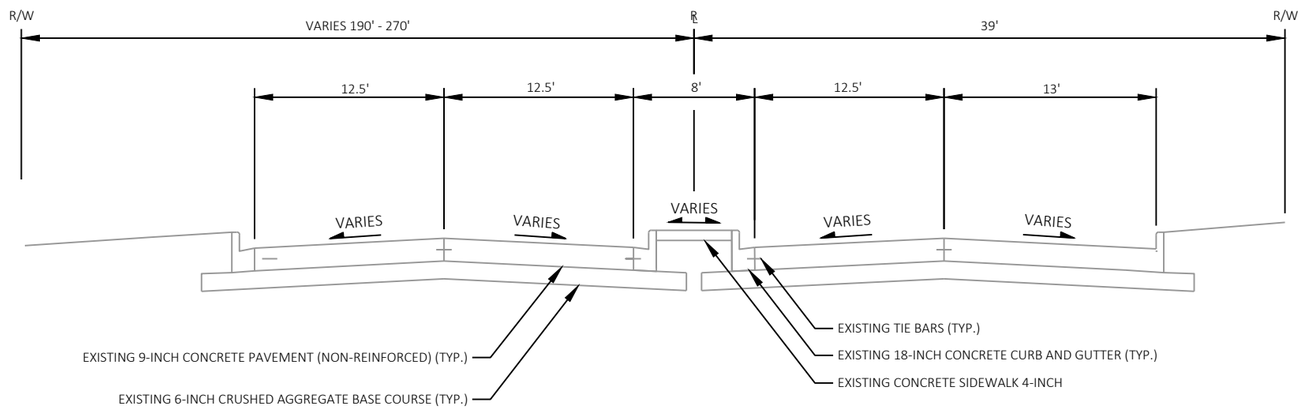
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020301_ts
PLOT DATE : 8/1/2023 8:18 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

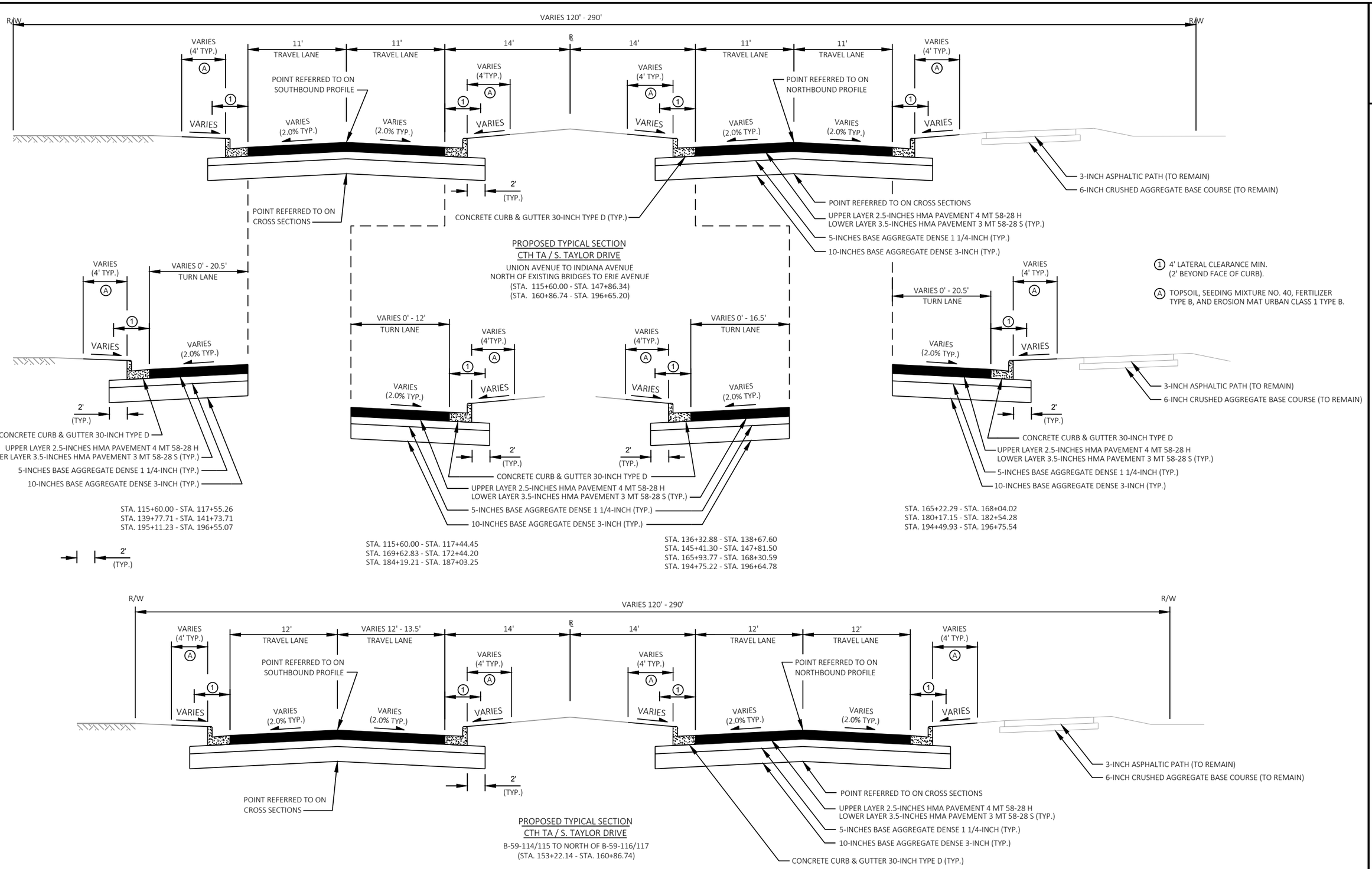
2



EXISTING TYPICAL SECTION
CTH TA / S. TAYLOR DRIVE
(STA. 196+65.20 - STA. 198+37.76)



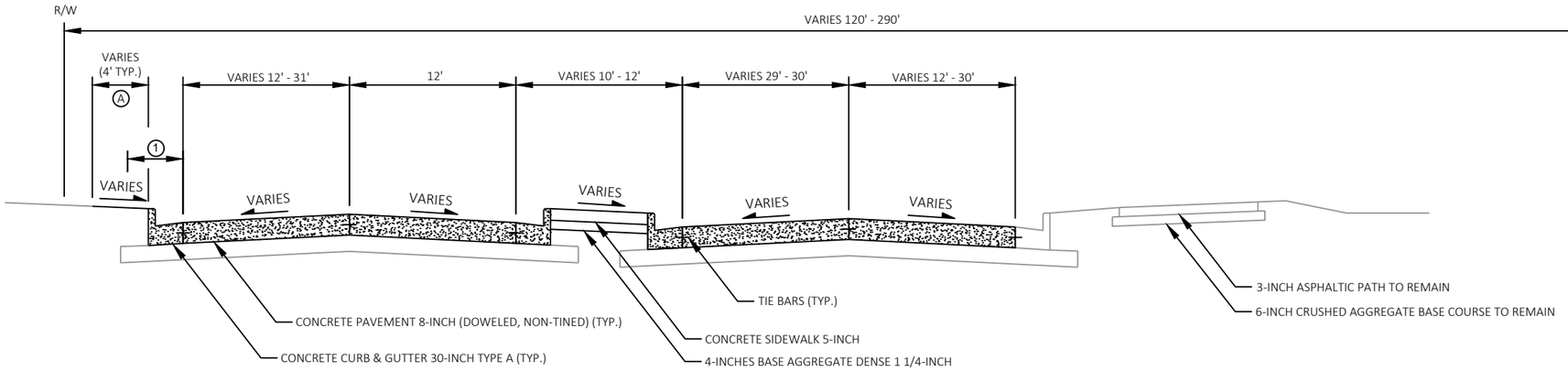
EXISTING TYPICAL SECTION
TAYLOR DRIVE FRONTAGE ROAD
(STA. 0+36.04 FR - STA. 2+46.72 FR)



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TYPICAL SECTIONS	SHEET 6	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020303_ts
PLOT DATE : 8/1/2023 8:18 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:10 FT

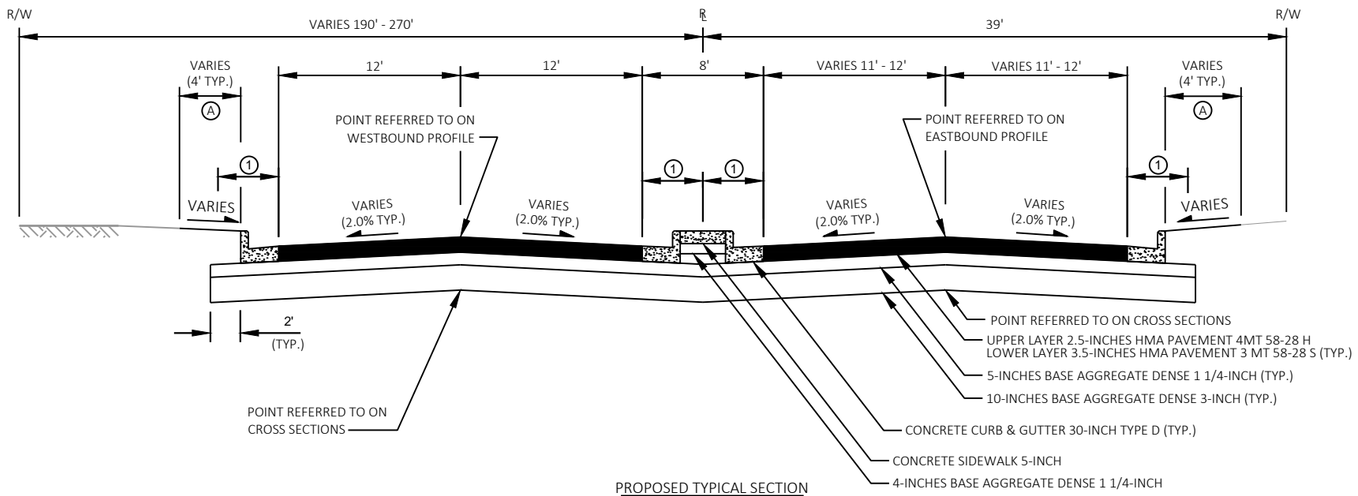
2



PROPOSED TYPICAL SECTION
CTH TA / S. TAYLOR DRIVE
(STA. 196+65.20 - STA. 198+37.76)

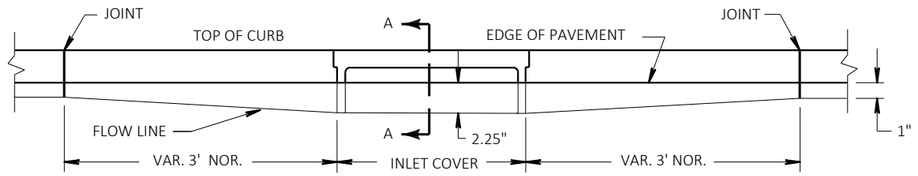
(1) 4' LATERAL CLEARANCE MIN.
(2' BEYOND FACE OF CURB).

(A) TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS 1 TYPE B.

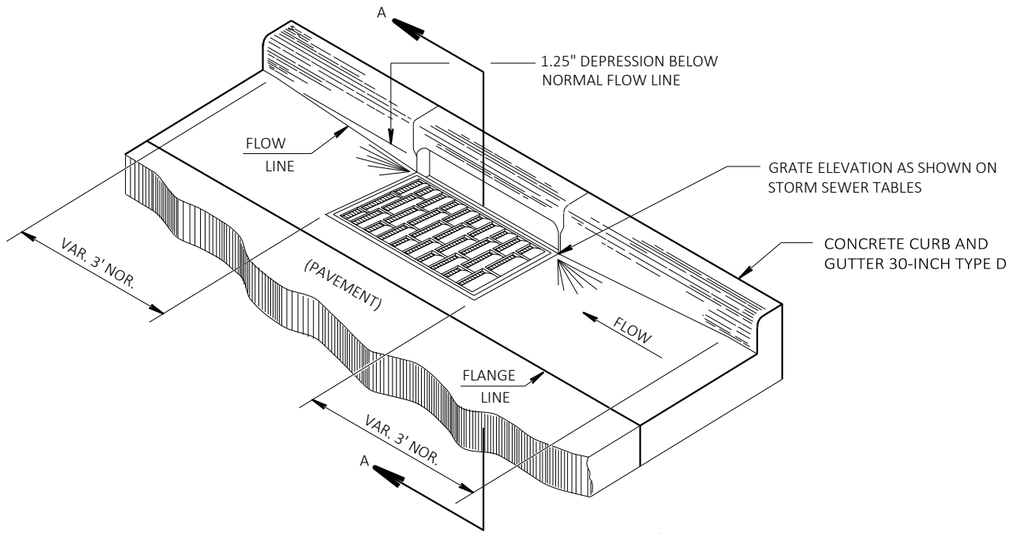


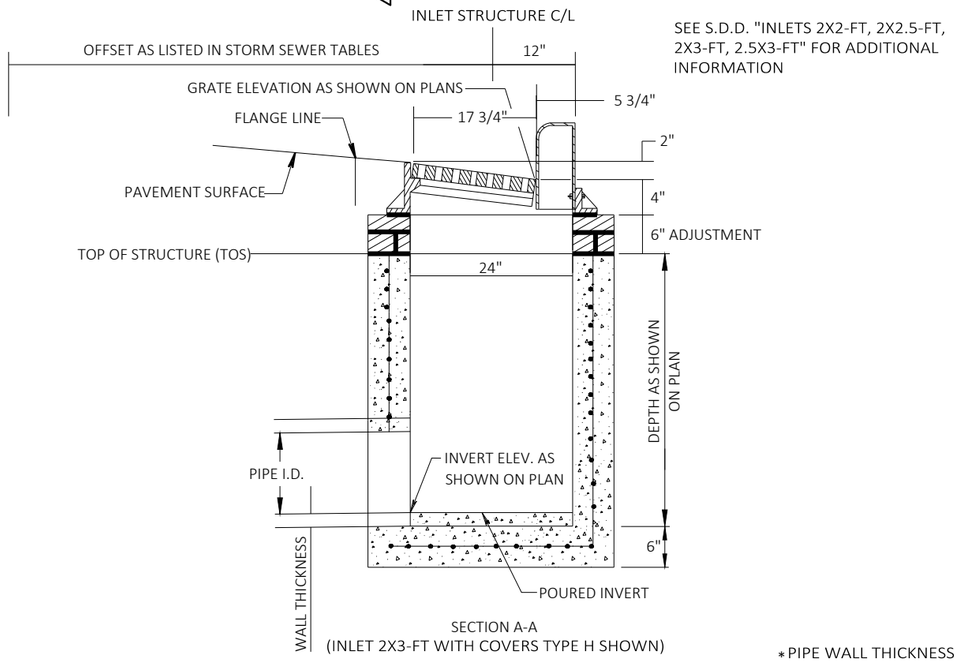
PROPOSED TYPICAL SECTION
TAYLOR DRIVE FRONTAGE ROAD
(STA. 0+36.04 FR - STA. 2+46.72 FR)

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TYPICAL SECTIONS	SHEET 7	E



ELEVATION



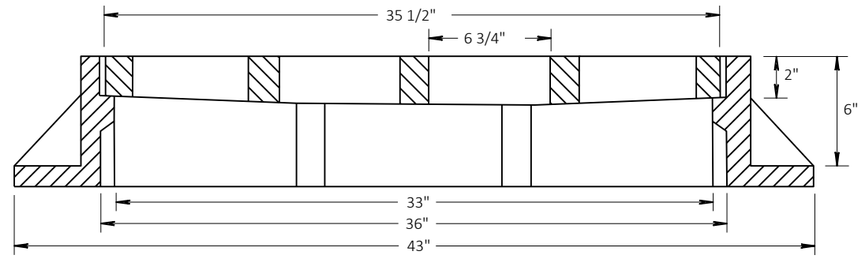


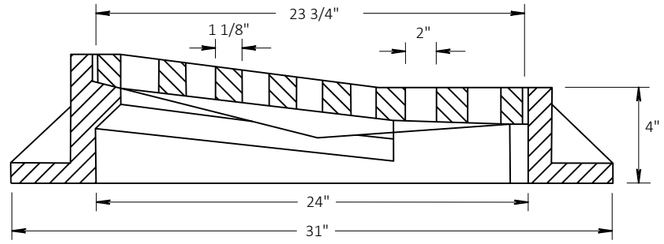
SECTION A-A
(INLET 2X3-FT WITH COVERS TYPE H SHOWN)

SEE S.D.D. "INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT" FOR ADDITIONAL INFORMATION

∗PIPE WALL THICKNESS

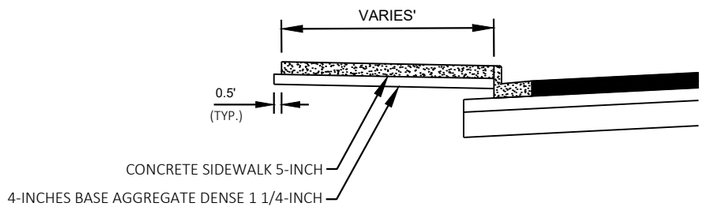
DETAIL OF CONCRETE CURB AND GUTTER 30-INCH TYPE D AT INLETS





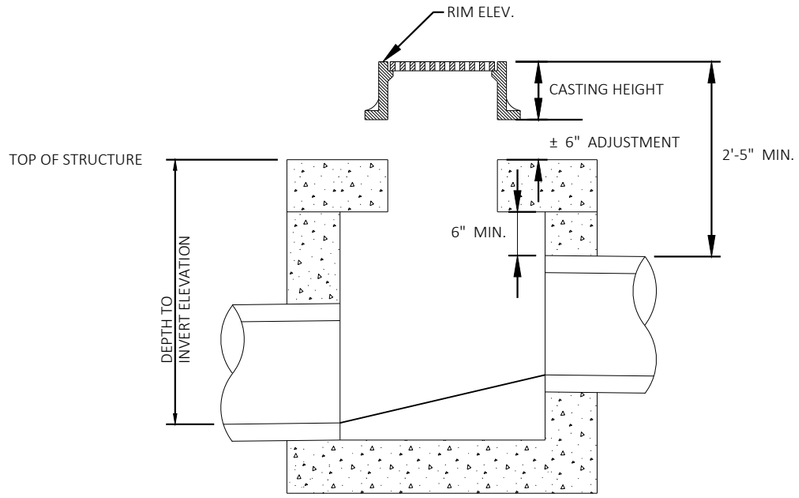
TOTAL WEIGHT APPROXIMATELY 420 POUNDS

INLET COVERS TYPE DW SPECIAL



CONCRETE SIDEWALK 5-INCH ADJACENT TO CURB & GUTTER

SEE PLAN DETAILS FOR LOCATIONS



NOTE:
RIM ELEVATION IS AT FLOW LINE FOR INLETS

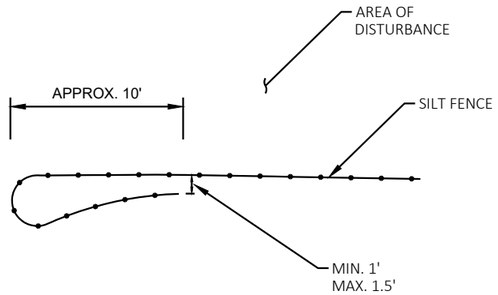
DETAIL FOR COMPUTING STRUCTURE ELEVATIONS

NOT TO SCALE

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP - TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

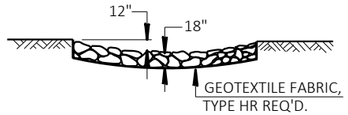
TOTAL PROJECT AREA = 35.74 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 14.86 ACRES



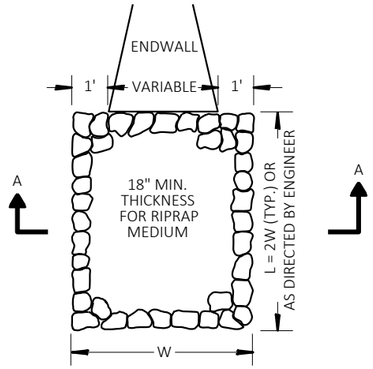
SILT FENCE J-HOOK DETAIL

NOT TO SCALE
SEE EROSION CONTROL PLAN FOR LOCATIONS

2

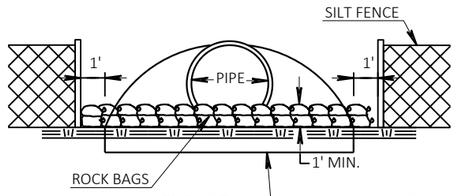


SECTION A-A



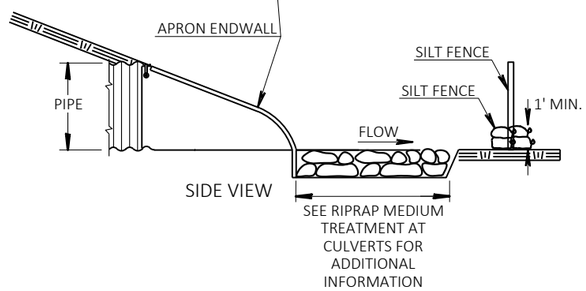
RIPRAP MEDIUM TREATMENT AT STORM SEWER OUTFALLS

SEE EROSION CONTROL SHEETS FOR LOCATIONS



END VIEW

NOTE: ESTIMATED BAG SIZE IS 18"x12"x6"

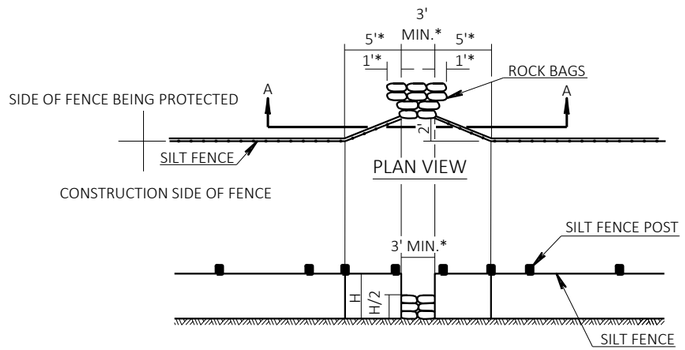


SIDE VIEW

SEE RIPRAP MEDIUM TREATMENT AT CULVERTS FOR ADDITIONAL INFORMATION

ROCK BAGS FOR CULVERT OUTFALLS WITH SILT FENCE

STA. 131+20, LT
STA. 141+20, LT
STA. 144+20, LT
STA. 182+90, LT



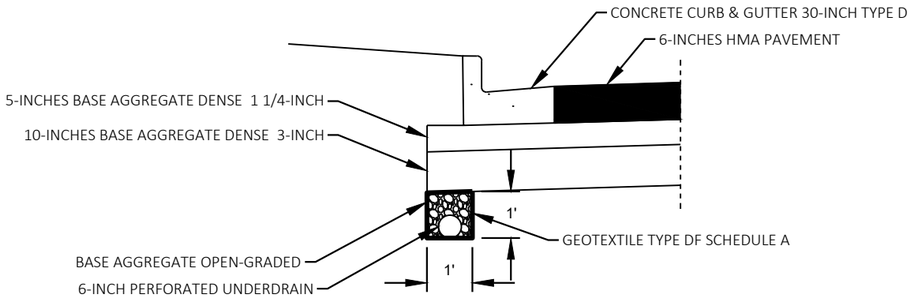
SECTION A-A (ELEVATION VIEW)

NOTE:

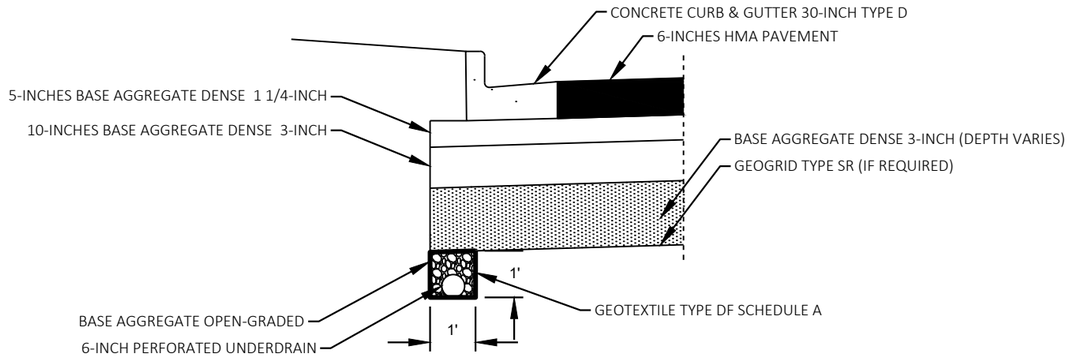
* = DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY ENGINEER
H = HEIGHT OF SILT FENCE

SILT FENCE RELIEF DETAIL

SEE EROSION CONTROL SHEETS FOR LOCATIONS

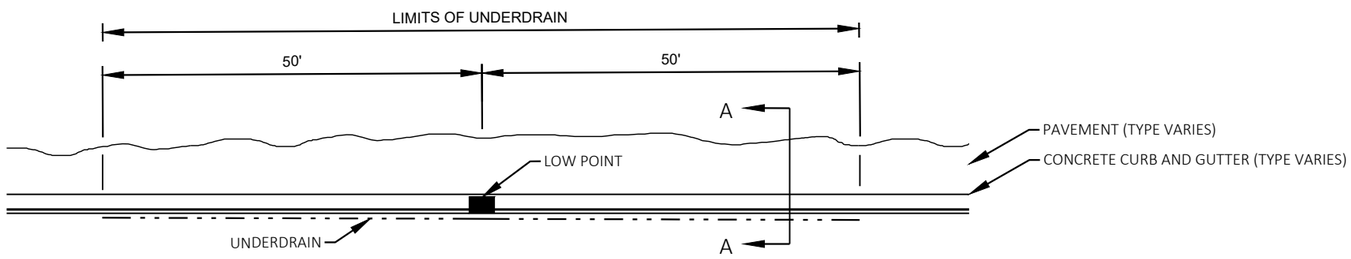


SECTION A - A



SECTION A - A - WITH BASE AGGREGATE DENSE 3-INCH

NOTE: IF A PROOF ROLL SECTION HAS FAILED, INSTALL GEOGRID AND BASE AGGREGATE DENSE 3-INCH AS DIRECTED BY THE ENGINEER IN THE FIELD. DRAIN TO NEAREST INLET IF NOT LOCATED AT A LOW POINT.

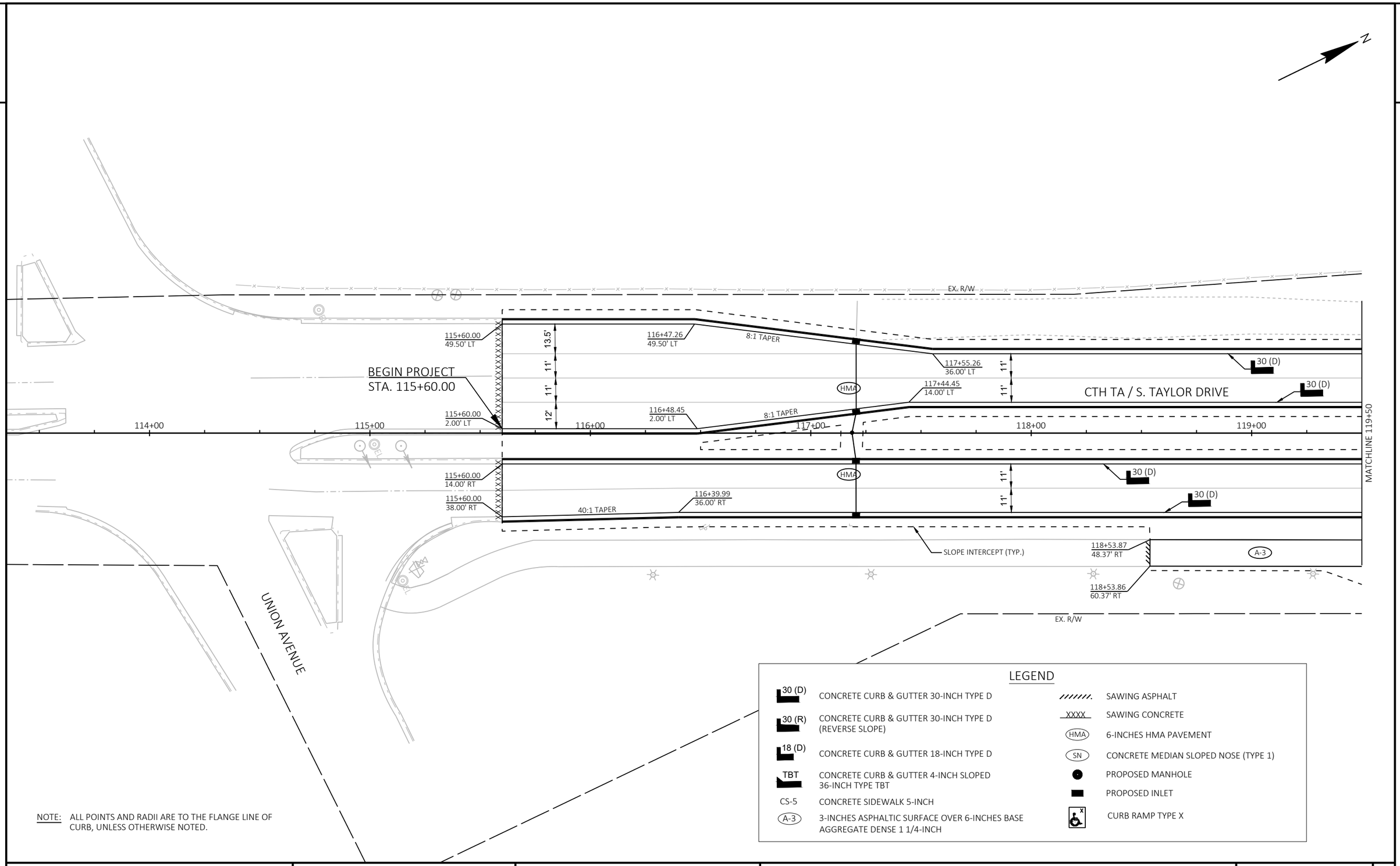


PLAN VIEW

UNDERDRAIN UNDER OUTSIDE CURB & GUTTER DETAILS

LOCATION: AT LOW POINTS, SEE PAVING GRADES FOR LOW POINT INFORMATION

2



NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	//////	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	HMA	6-INCHES HMA PAVEMENT
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
CS-5	CONCRETE SIDEWALK 5-INCH		PROPOSED MANHOLE
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		PROPOSED INLET
		X	CURB RAMP TYPE X

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 12	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_pd
PLOT DATE : 8/1/2023 10:15 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N

EX. R/W

SLOPE INTERCEPT (TYP.)

MATCHLINE 119+50

MATCHLINE 125+50

CTH TA / S. TAYLOR DRIVE

120+00

121+00

122+00

123+00

124+00

125+00

30 (D)

30 (D)

11'

11'

HMA

A-3

119+79.49
48.54' RT

119+79.46
60.54' RT

30 (D)

30 (D)

11'

11'

HMA

EX. R/W

NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

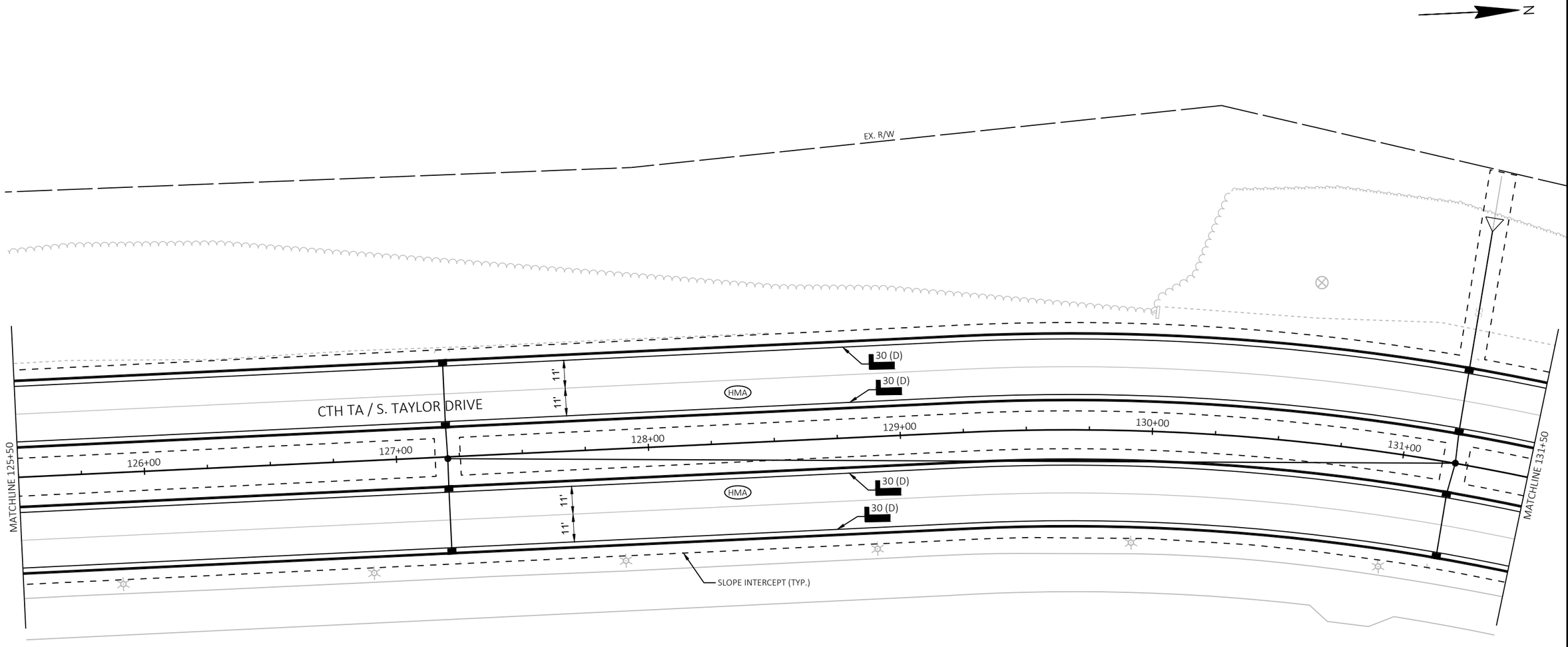
LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	////////.	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		HMA	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT		PROPOSED MANHOLE
CS-5	CONCRETE SIDEWALK 5-INCH		PROPOSED INLET
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH	X	CURB RAMP TYPE X

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 13	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021202_pd
PLOT DATE : 8/1/2023 10:15 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

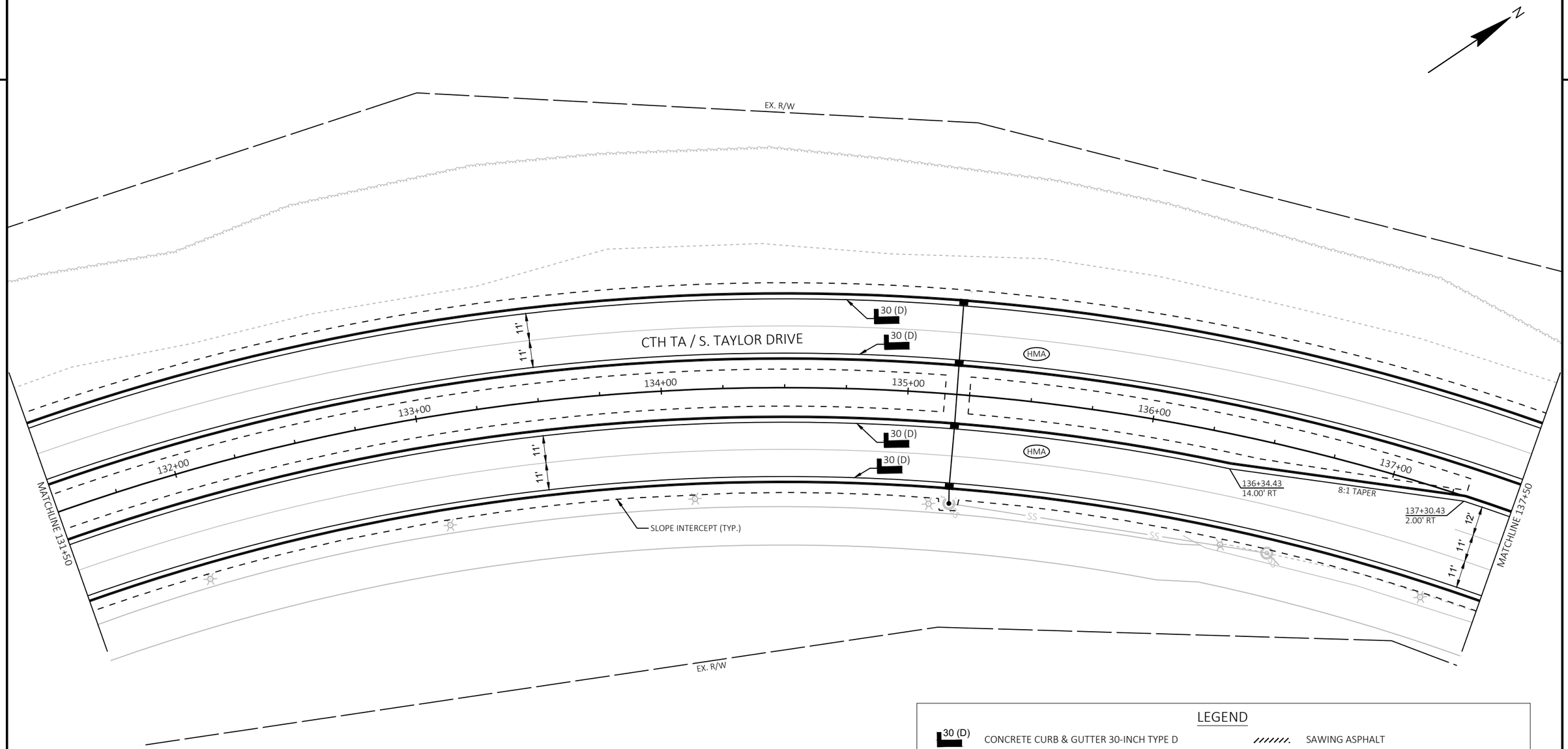


NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	//////	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		HMA	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT	●	PROPOSED MANHOLE
		■	PROPOSED INLET
CS-5	CONCRETE SIDEWALK 5-INCH	X	CURB RAMP TYPE X
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

2



NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

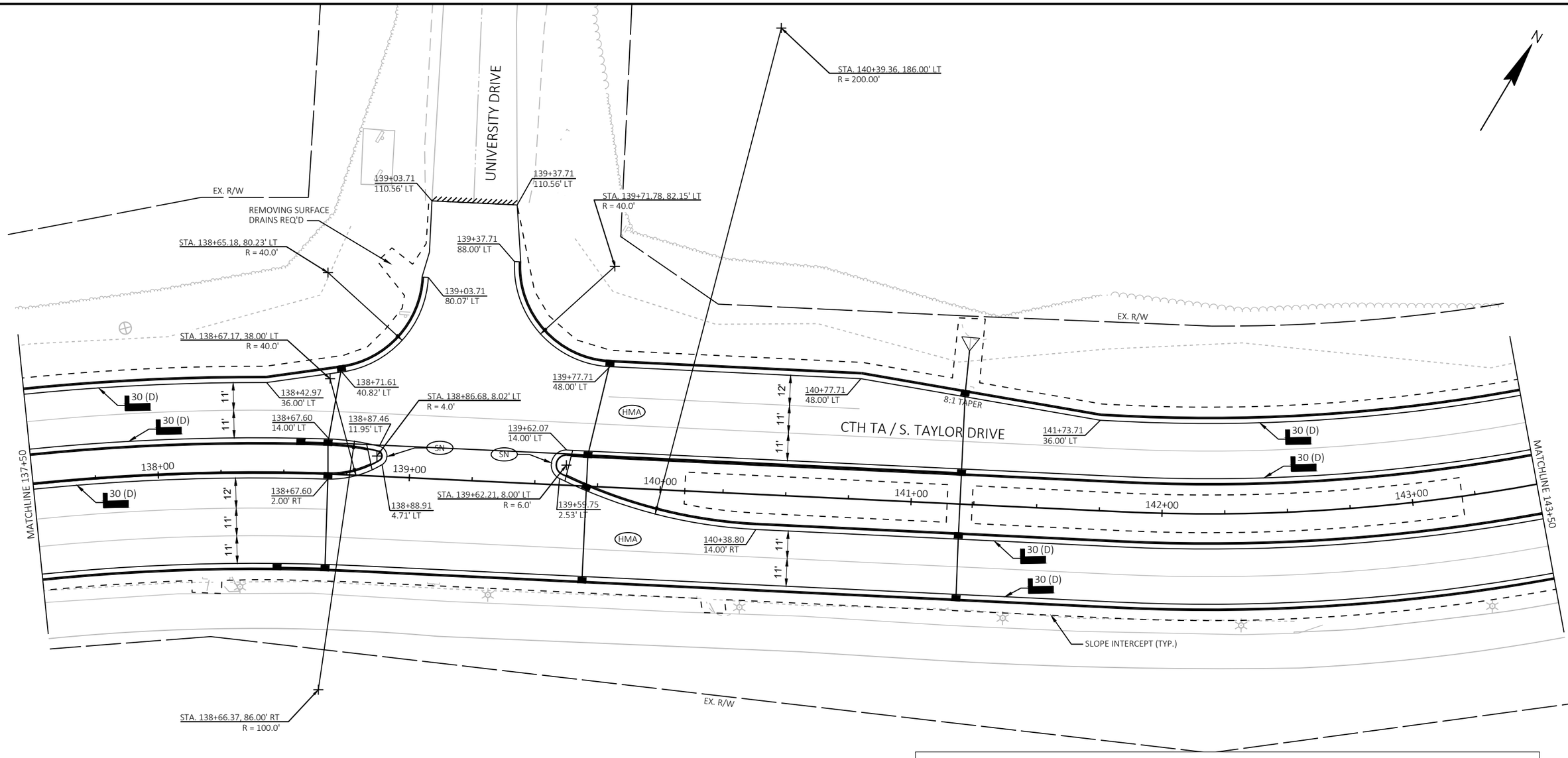
LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	////////.	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		(HMA)	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	(SN)	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT	●	PROPOSED MANHOLE
CS-5	CONCRETE SIDEWALK 5-INCH	▬	PROPOSED INLET
(A-3)	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH	X	CURB RAMP TYPE X

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 15	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021204_pd
PLOT DATE : 8/1/2023 10:16 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

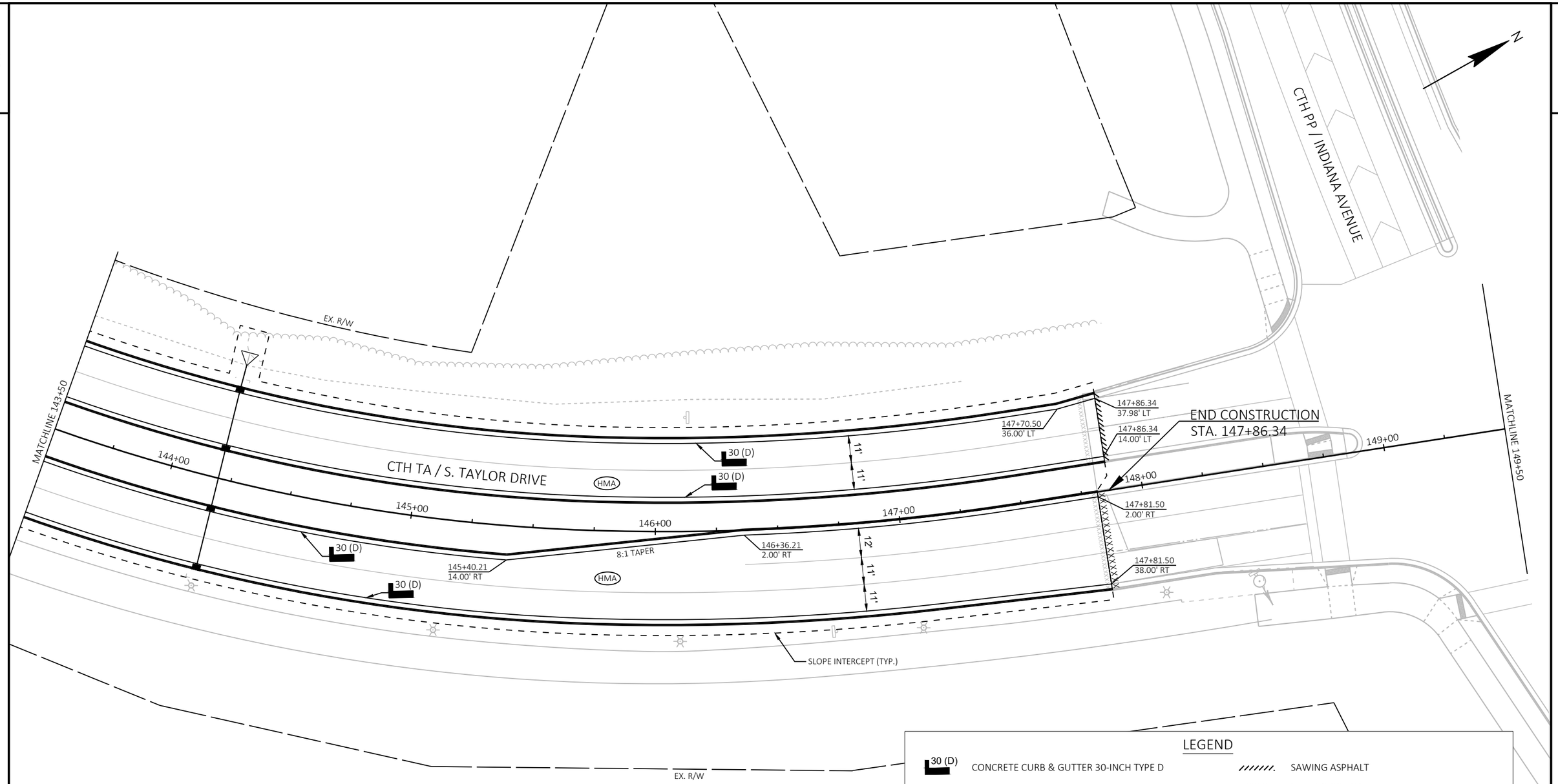
LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	//////	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		HMA	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT		PROPOSED MANHOLE
			PROPOSED INLET
CS-5	CONCRETE SIDEWALK 5-INCH		CURB RAMP TYPE X
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 16	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021205_pd
PLOT DATE : 8/1/2023 10:16 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	//////	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		HMA	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT		PROPOSED MANHOLE
CS-5	CONCRETE SIDEWALK 5-INCH		PROPOSED INLET
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH	X	CURB RAMP TYPE X

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 17	E

FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS: "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL", "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" AND "MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)".

STA. 153+30.40 LT - STA. 153+69.80 LT, MGS THRIE BEAM TRANSITION
STA. 153+69.80 LT - STA. 154+07.30 LT, MGS GUARDRAIL 3
STA. 154+07.30 LT - STA. 154+60.42 LT, MGS GUARDRAIL TERMINAL EAT

NOTE: INSTALL TOP OF RAIL 31 TO 32 INCHES ABOVE TOP OF CURB.

EX. R/W

END TBT CURB, BEGIN TRANSITION TO CONCRETE CURB & GUTTER 30-INCH TYPE D

154+60.42, 47.00' LT.
MGS GUARDRAIL TERMINAL EAT POST 1

MGS THRIE BEAM TRANSITION, MGS GUARDRAIL 3, AND MGS GUARDRAIL TERMINAL EAT REQ'D

154+10.42, 45.12' LT.
POST 9

154+35.42, 46.06' LT
POST 5

155+12.34, 8.50' LT.
MGS GUARDRAIL TERMINAL EAT POST 1

B-59-115 (TO REMAIN)

153+49.20

154+87.34, 9.44' LT.
POST 5

CS-5

5'

153+23.28
38.00' LT

+99.84

12'

+47.92

30 (D)

155+12.34
12.50' LT

155+37.34
14.00' LT

CONCRETE PAVEMENT APPROACH SLAB REQ'D

HMA

13.5'

TBT

30 (D)

+99.84

153+34.73
12.83' LT

BEGIN DRIVEWAY ENTRANCE CURB.

MATCHLINE 149+50

150+00

151+00

152+00

153+00

154+00

155+00

MATCHLINE 155+50

153+54.96
10.50' RT

154+62.34, 10.38' LT.
POST 9

BEGIN DRIVEWAY ENTRANCE CURB.

BEGIN CONSTRUCTION
STA. 153+22.14

153+47.31
14.00' RT

30 (D)

HMA

12'

CTH TA / S. TAYLOR DRIVE

CONCRETE PAVEMENT APPROACH SLAB REQ'D

30 (D)

12'

153+58.48
38.00' RT

CS-5

153+73.48

SLOPE INTERCEPT (TYP.)

B-59-114 (TO REMAIN)

STA. 153+44.81 LT - STA. 153+84.21 LT, MGS THRIE BEAM TRANSITION
STA. 153+84.21 LT - STA. 154+59.21 LT, MGS GUARDRAIL 3
STA. 154+59.21 LT - STA. 155+12.34 LT, MGS GUARDRAIL TERMINAL EAT

CTH PP / INDIANA AVENUE

EX. R/W

NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D		SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		HMA	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT		PROPOSED MANHOLE
			PROPOSED INLET
CS-5	CONCRETE SIDEWALK 5-INCH	X	CURB RAMP TYPE X
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 18	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021207_pd

PLOT DATE : 8/1/2023 10:16 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

EX. R/W

MGS THRIE BEAM TRANSITION, MGS GUARDRAIL 3,
AND MGS GUARDRAIL TERMINAL EAT REQ'D

159+25.75

B-59-117 (TO REMAIN)

161+10.08

MGS THRIE BEAM TRANSITION, MGS GUARDRAIL 3,
AND MGS GUARDRAIL TERMINAL EAT REQ'D

CS-5

159+42.86
38.00' LT

30 (D)

HMA

TBT

160+94.81
38.00' LT

CONCRETE PAVEMENT
APPROACH SLAB REQ'D

159+28.24
10.25' LT

CONCRETE PAVEMENT
APPROACH SLAB REQ'D

159+12.15
12.00' LT

159+40.85
14.00' LT

160+91.19
13.08' LT

+60.42

END DRIVEWAY
ENTRANCE CURB.

+12.34

END DRIVEWAY
ENTRANCE CURB.

12'

12'

CTH TA / S. TAYLOR DRIVE

30 (D)

MATCHLINE 155+50

156+00

157+00

158+00

159+00

160+00

161+00

MATCHLINE 161+50

161+00.47
11.00' RT

161+10.41
12.00' RT

160+86.74
14.00' RT

12'

12'

30 (D)

+62.97

BEGIN DRIVEWAY
ENTRANCE CURB.

HMA

157+37.97
14.00' RT

158+12.97, 10.85' RT
POST 9

157+87.97, 9.78' RT.
POST 5

+75.47

157+62.97
13.00' RT

END DRIVEWAY
ENTRANCE CURB.

13'

12'

30 (D)

TBT

159+21.76

159+38.38
13.33' RT

CONCRETE PAVEMENT
APPROACH SLAB REQ'D

159+36.50
38.00' RT

CS-5

160+83.47
38.00' RT

161+02.43

157+62.97, 9.00' RT.
MGS GUARDRAIL TERMINAL EAT POST 1

SLOPE INTERCEPT (TYP.)

END TBT CURB, BEGIN TRANSITION TO
CONCRETE CURB & GUTTER 30-INCH TYPE D

B-59-116 (TO REMAIN)

EX. R/W

STA. 157+62.97 RT - STA. 158+16.10 LT, MGS GUARDRAIL TERMINAL EAT
STA. 158+16.10 LT - STA. 158+91.10 LT, MGS GUARDRAIL 3
STA. 158+91.10 LT - STA. 159+30.50 LT, MGS THRIE BEAM TRANSITION

NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

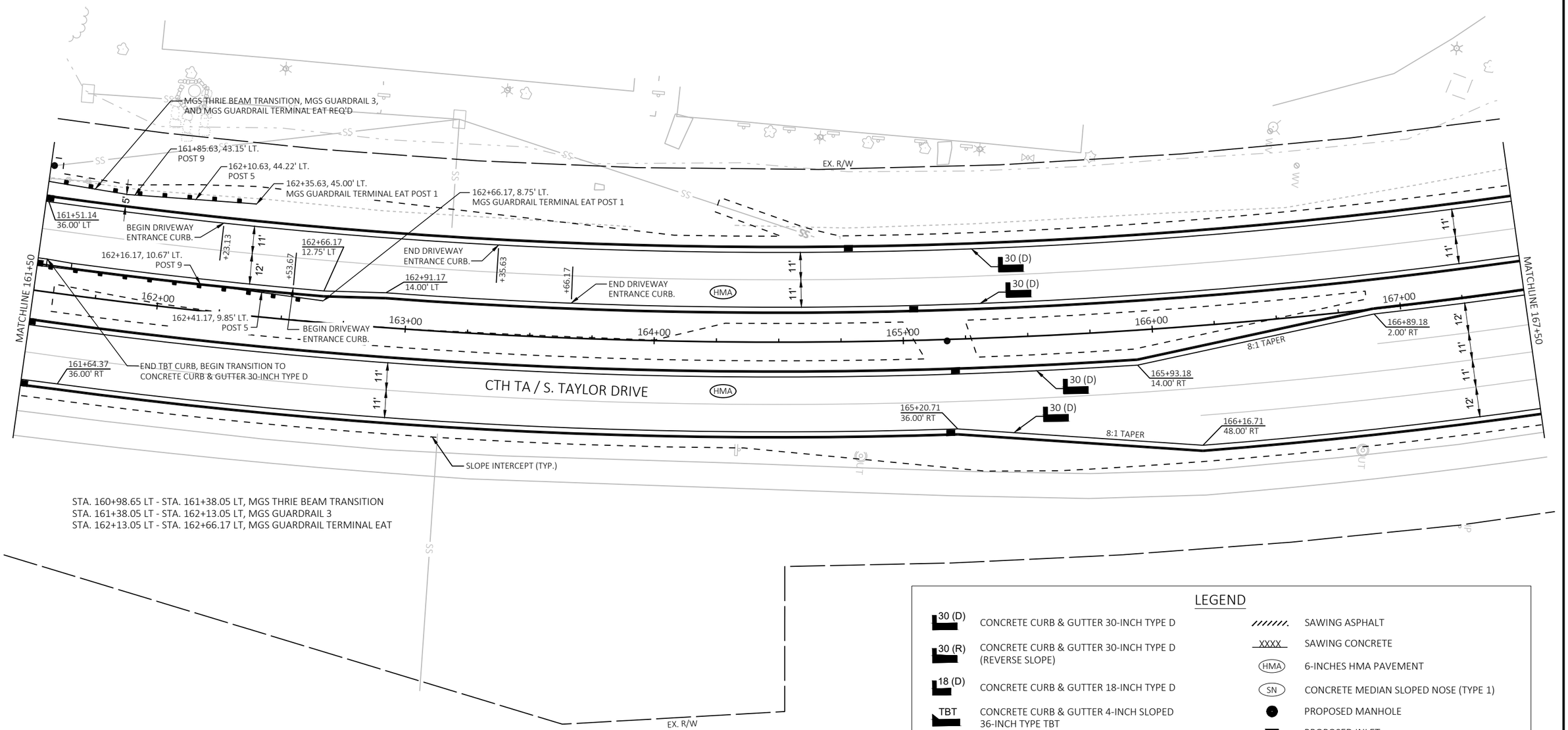
LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	//////	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	HMA	6-INCHES HMA PAVEMENT
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
CS-5	CONCRETE SIDEWALK 5-INCH		PROPOSED MANHOLE
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		PROPOSED INLET
		X	CURB RAMP TYPE X

2

STA. 161+05.60 LT - STA. 161+45.00 LT, MGS THRIE BEAM TRANSITION
STA. 161+45.00 LT - STA. 161+82.50 LT, MGS GUARDRAIL 3
STA. 161+82.50 LT - STA. 162+35.63 LT, MGS GUARDRAIL TERMINAL EAT

NOTE: INSTALL TOP OF RAIL 31 TO 32 INCHES ABOVE TOP OF CURB.



STA. 160+98.65 LT - STA. 161+38.05 LT, MGS THRIE BEAM TRANSITION
STA. 161+38.05 LT - STA. 162+13.05 LT, MGS GUARDRAIL 3
STA. 162+13.05 LT - STA. 162+66.17 LT, MGS GUARDRAIL TERMINAL EAT

NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	//////	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		HMA	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT		PROPOSED MANHOLE
CS-5	CONCRETE SIDEWALK 5-INCH		PROPOSED INLET
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH	X	CURB RAMP TYPE X

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 20	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021209_pd
PLOT DATE : 8/1/2023 10:17 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

N

STA. 169+67.16, 186.00' LT
R = 200.0'

STA. 168+18.35, 77.66' LT
R = 35.0'

168+54.66
78.06' LT

168+86.31
77.93' LT

EX. R/W

15.5'

15'

CS-5

168+92.99
61.63' LT

STA. 169+31.56, 76.00' LT
R = 40.0'

EX. R/W

11'

167+85.24
36.00' LT

30 (D)

168+24.66
43.20' LT

HMA

30 (D)

167+98.73
14.00' LT

169+31.06
36.00' LT

30 (D)

11'

11'

12'

MATCHLINE 167+50

168+07.28
11.04' LT

CS-5

168+32.38
7.67' LT

CS-5

168+00

STA. 168+30.59, 3.00' LT
R = 5.0'

169+36.31
0.07' LT

169+62.83
2.00' LT

CTH TA / S. TAYLOR DRIVE

171+47.44
2.00' LT

8:1 TAPER

172+43.44
14.00' LT

HMA

MATCHLINE 173+50

30 (D)

SN

168+30.59
2.00' RT

169+00

170+00

171+00

172+00

173+00

11'

11'

12'

11'

11'

12'

SN

STA. 169+37.18, 5.87' RT
R = 6.0'

169+36.33
11.81' RT

169+67.16
14.00' RT

30 (D)

168+04.02
48.00' RT

HMA

169+35.85
43.76' RT

169+86.77
36.00' RT

30 (D)

30 (D)

SLOPE INTERCEPT (TYP.)

CS-5

168+49.81
83.07' RT

CS-5

EX. R/W

STA. 167+97.97, 86.00' RT
R = 100.0'

15'

11'

9'

168+95.57
92.80' RT

STA. 168+04.02, 98.00' RT
R = 50.0'

168+58.62
113.88' RT

168+95.66
113.37' RT

EX. R/W

STA. 169+43.50, 93.13' RT
R = 50.0'

NEW JERSEY AVENUE

STA. 169+62.83, 198.00' RT
R = 200.0'

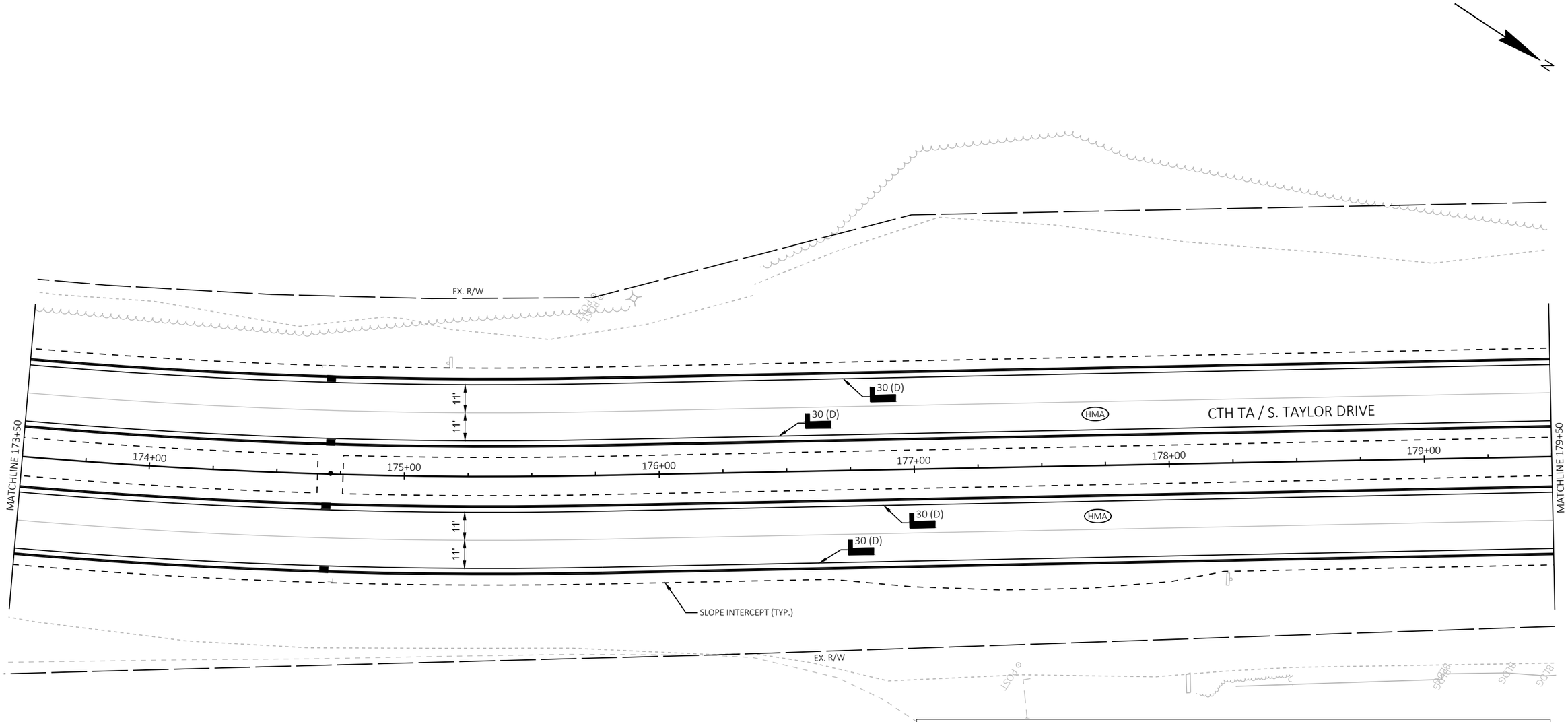
LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	////////.	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		(HMA)	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	(SN)	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT	●	PROPOSED MANHOLE
CS-5	CONCRETE SIDEWALK 5-INCH	▬	PROPOSED INLET
(A-3)	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH	X	CURB RAMP TYPE X

PROJECT NO: 4291-03-70	HWY: S. TAYLOR DRIVE	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 21	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021210_pd
PLOT DATE : 8/1/2023 10:17 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

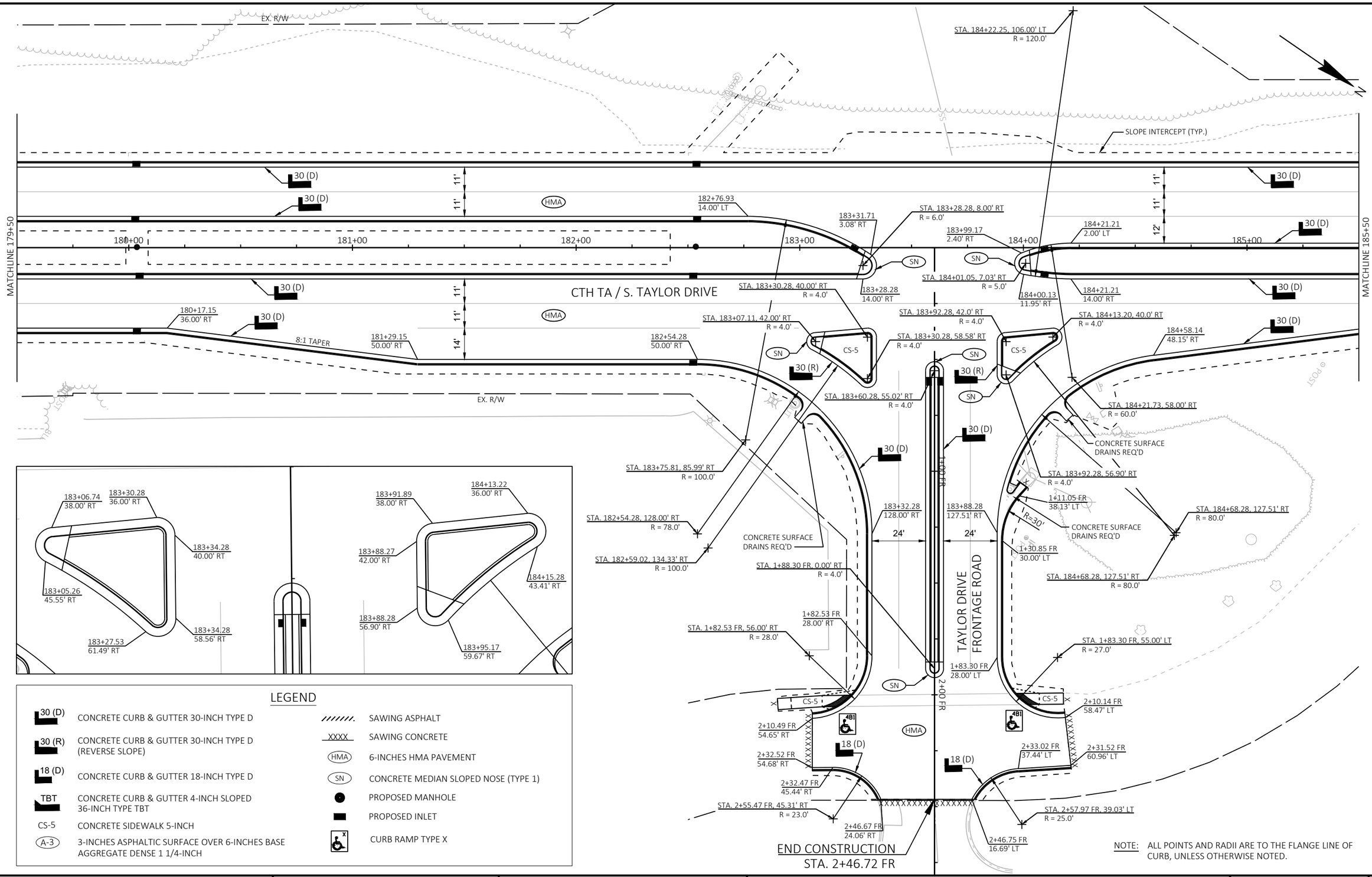
LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	////////.	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		HMA	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT	●	PROPOSED MANHOLE
		▬	PROPOSED INLET
CS-5	CONCRETE SIDEWALK 5-INCH	X	CURB RAMP TYPE X
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 22	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021211_pd
PLOT DATE : 8/1/2023 10:17 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

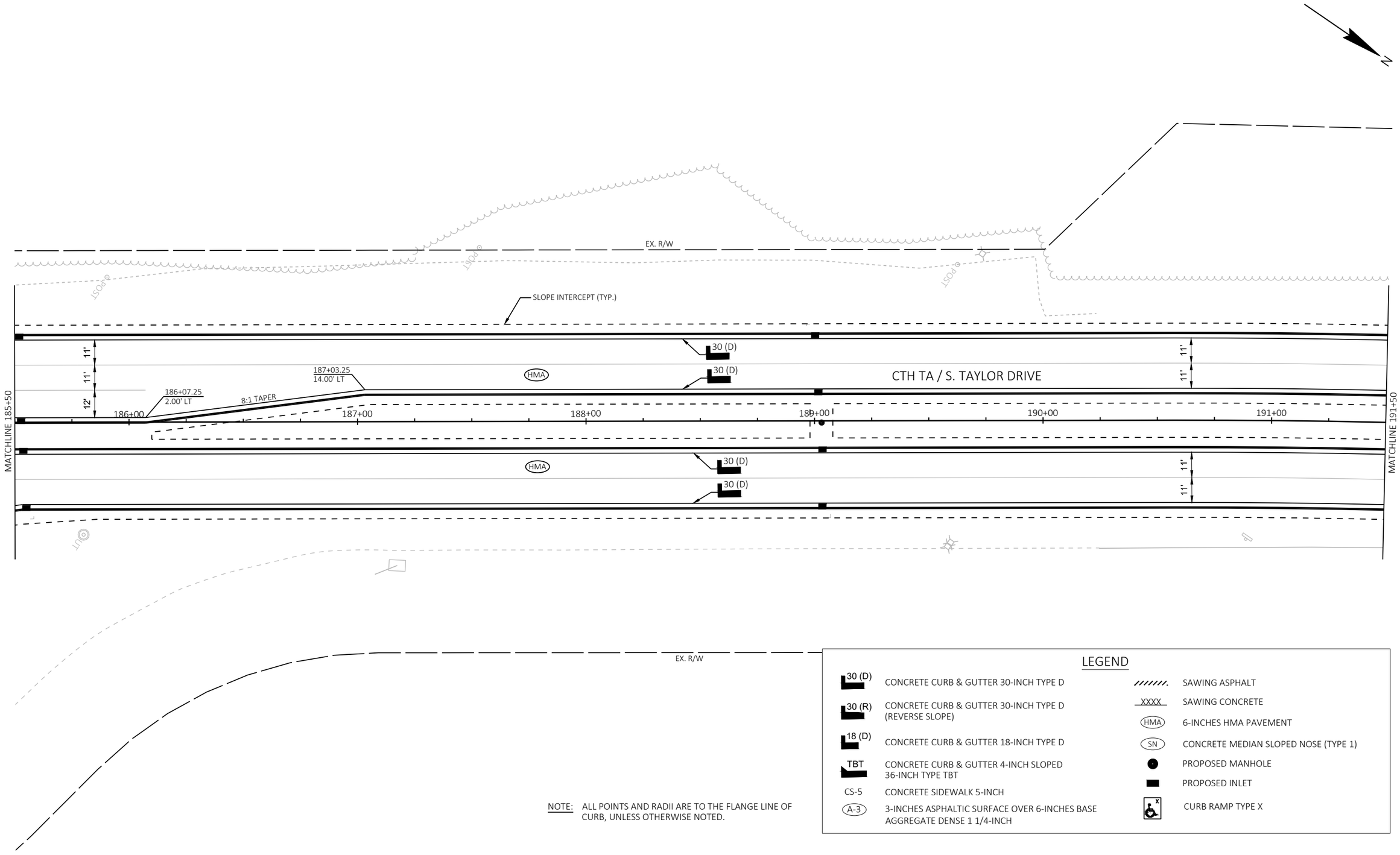
30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	//////	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	HMA	6-INCHES HMA PAVEMENT
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
CS-5	CONCRETE SIDEWALK 5-INCH	●	PROPOSED MANHOLE
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH	▬	PROPOSED INLET
		x	CURB RAMP TYPE X

NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 23	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021212_pd
PLOT DATE : 8/1/2023 10:18 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



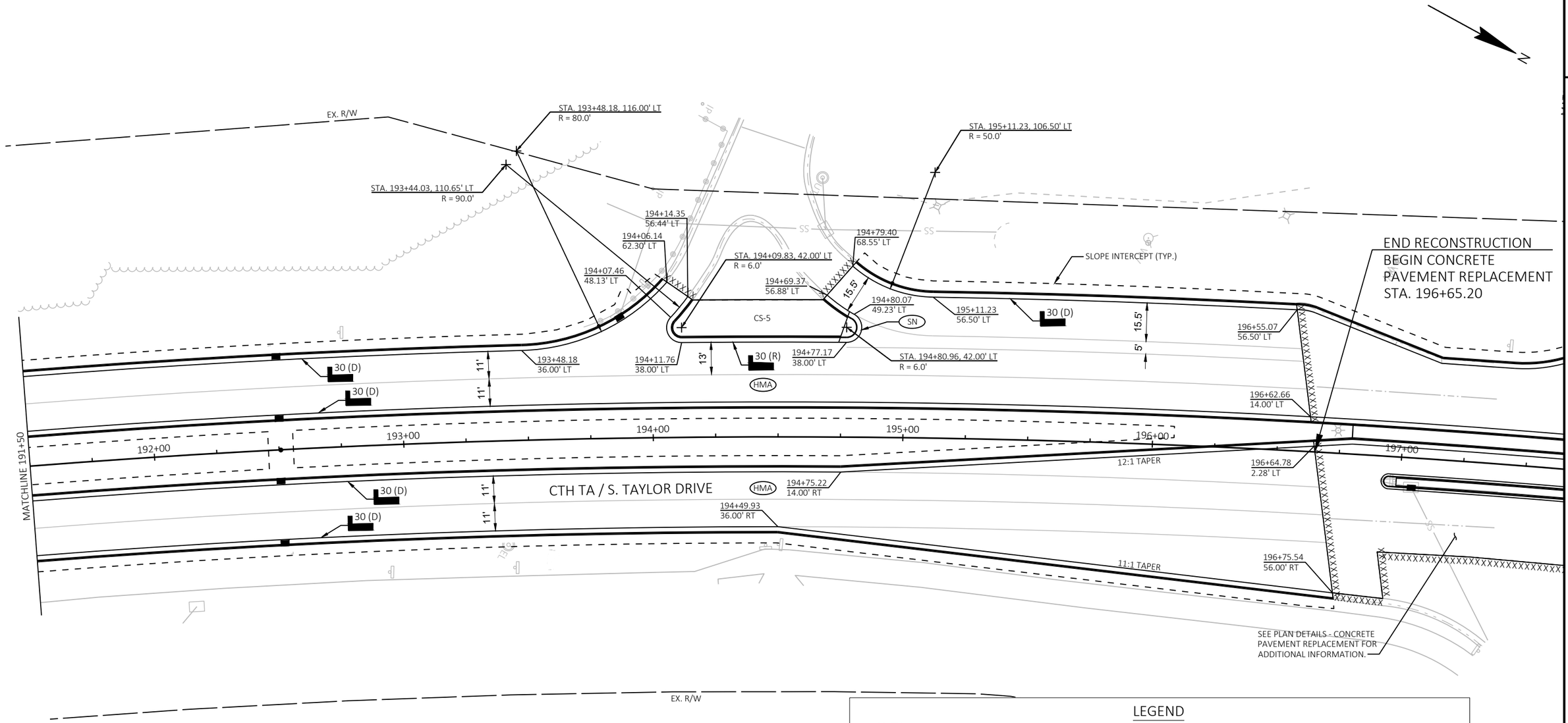
NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	////////.	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		(HMA)	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	(SN)	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT		PROPOSED MANHOLE
CS-5	CONCRETE SIDEWALK 5-INCH		PROPOSED INLET
(A-3)	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH	X	CURB RAMP TYPE X

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 24	E

2



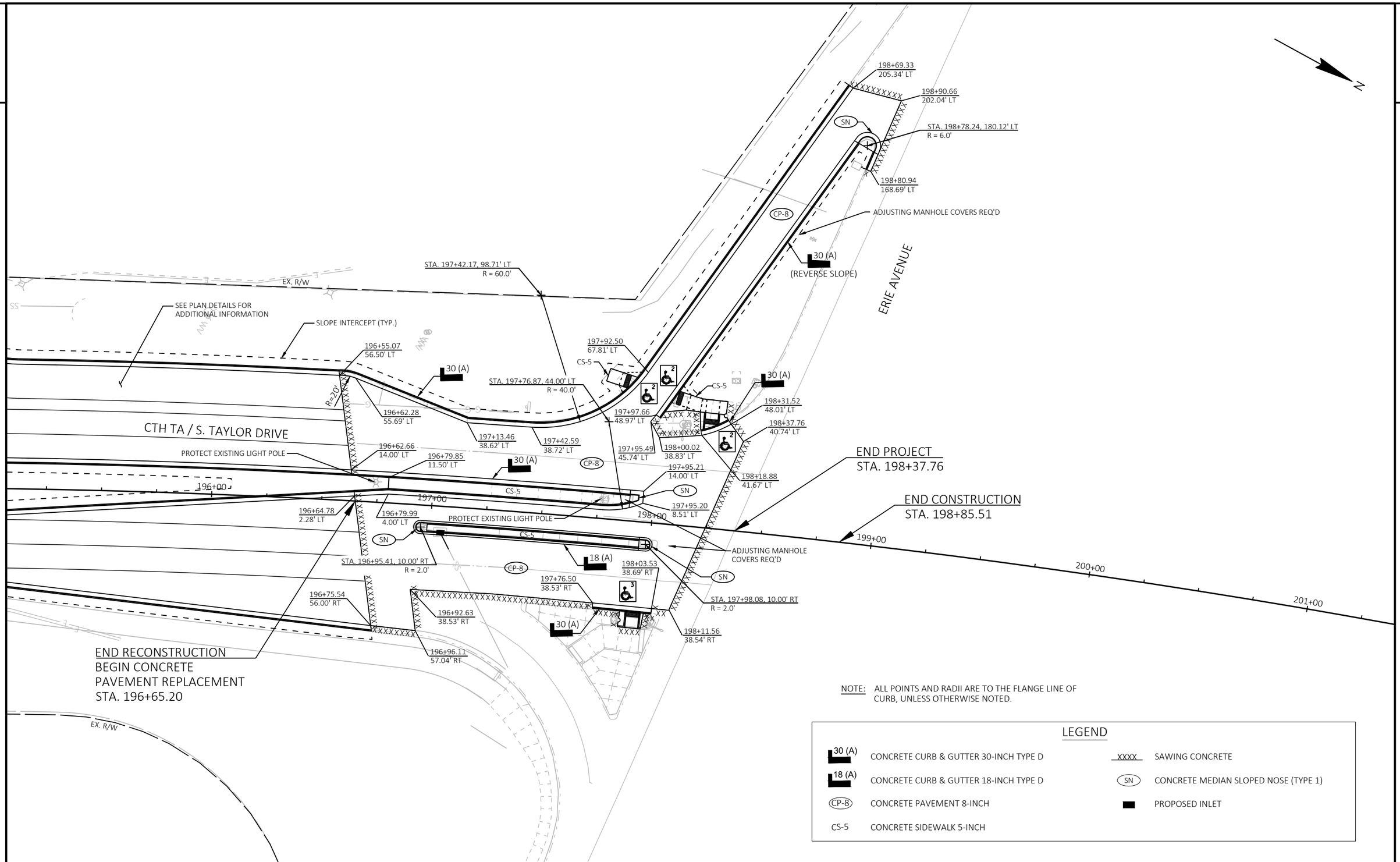
NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

LEGEND

30 (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D	//////	SAWING ASPHALT
30 (R)	CONCRETE CURB & GUTTER 30-INCH TYPE D (REVERSE SLOPE)	XXXX	SAWING CONCRETE
		HMA	6-INCHES HMA PAVEMENT
18 (D)	CONCRETE CURB & GUTTER 18-INCH TYPE D	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT		PROPOSED MANHOLE
CS-5	CONCRETE SIDEWALK 5-INCH		PROPOSED INLET
A-3	3-INCHES ASPHALTIC SURFACE OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		CURB RAMP TYPE X

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS	SHEET 25	E

2



NOTE: ALL POINTS AND RADII ARE TO THE FLANGE LINE OF CURB, UNLESS OTHERWISE NOTED.

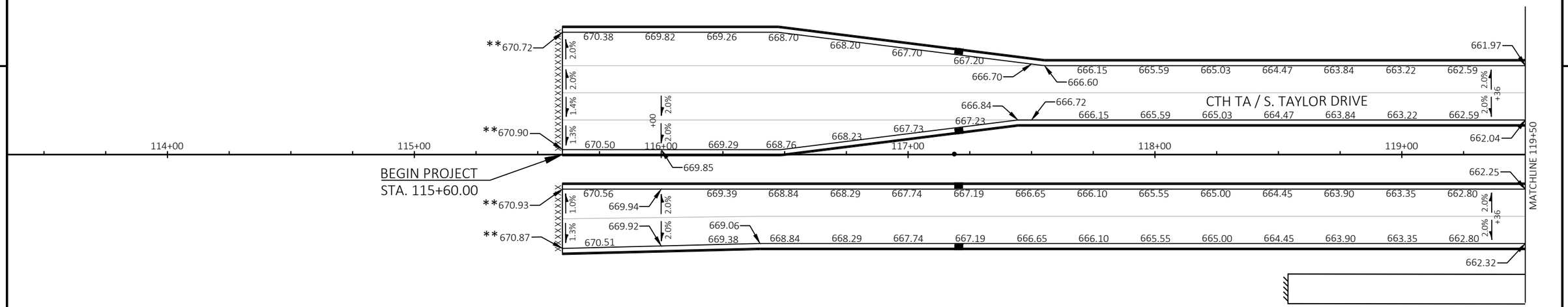
LEGEND

30 (A)	CONCRETE CURB & GUTTER 30-INCH TYPE D	XXXX	SAWING CONCRETE
18 (A)	CONCRETE CURB & GUTTER 18-INCH TYPE D	SN	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
CP-8	CONCRETE PAVEMENT 8-INCH	■	PROPOSED INLET
CS-5	CONCRETE SIDEWALK 5-INCH		

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN DETAILS - CONCRETE PAVEMENT REPLACEMENT	SHEET 26	E

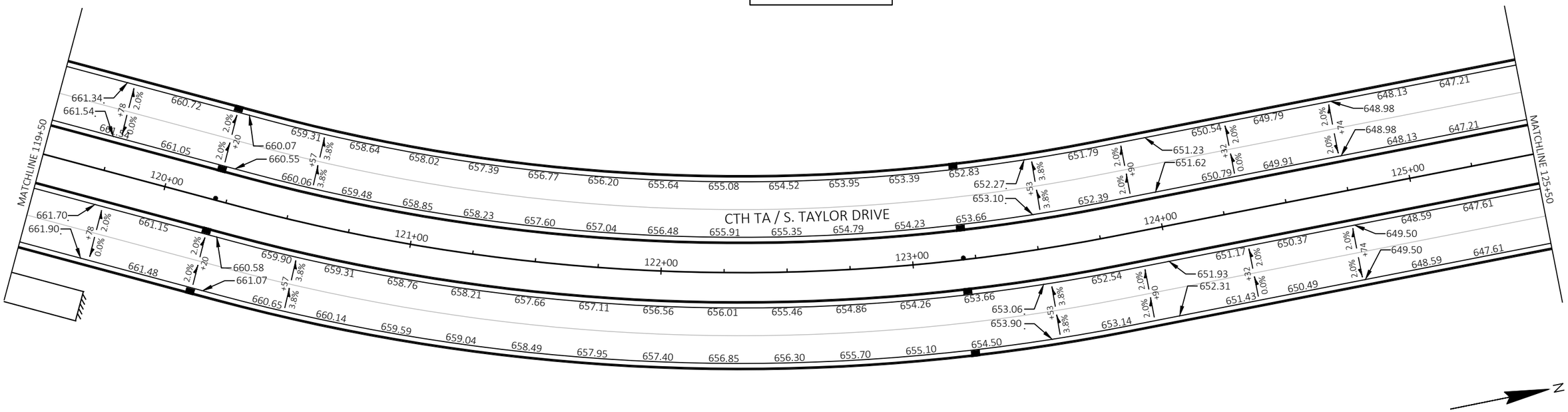
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 021215_pd
PLOT DATE : 8/1/2023 10:18 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

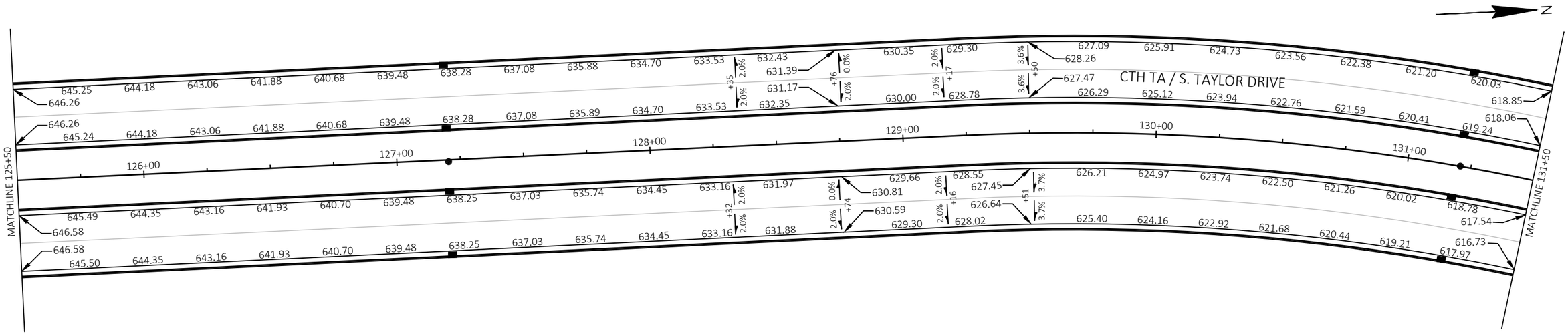


LEGEND

- △ HIGH POINT
- ⊙ LOW POINT
- ■ PROPOSED INLET
- * END RADIUS
- ** MATCH EXISTING

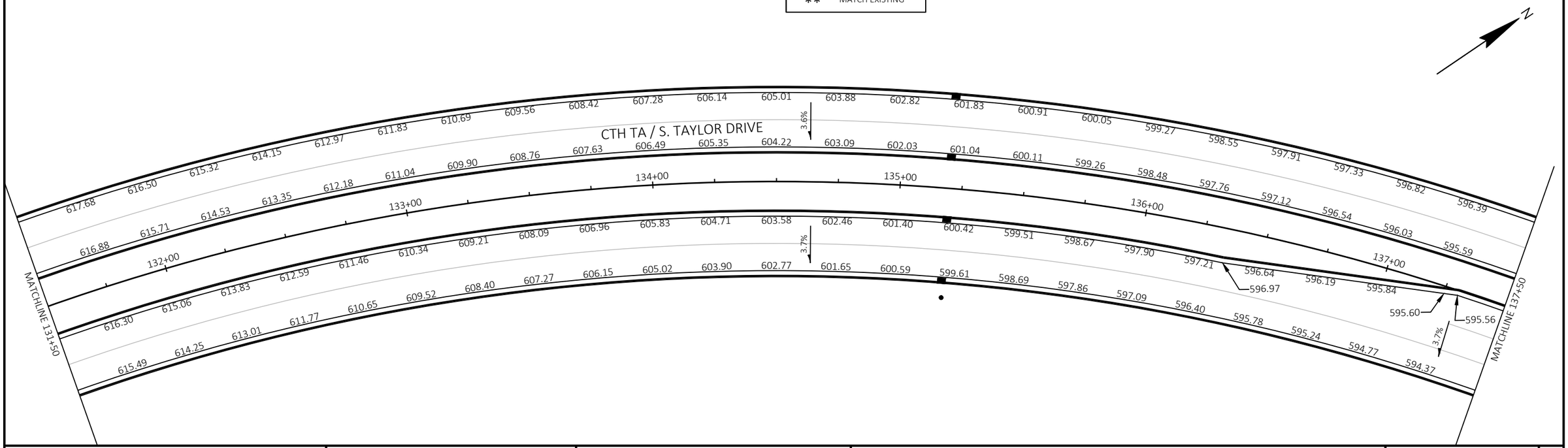


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVING GRADES	SHEET 27	E



LEGEND

- △ HIGH POINT
- ⊙ LOW POINT
- ■ PROPOSED INLET
- ∗ END RADIUS
- ∗∗ MATCH EXISTING



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVING GRADES	SHEET 28	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021401_JD.DWG
LAYOUT NAME - 021402_jd

PLOT DATE : 8/28/2023 10:11 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

UNIVERSITY DRIVE

SEE INTERSECTION DETAILS FOR INTERSECTION GRADE INFORMATION

MATCHLINE 137+50

MATCHLINE 143+50

CTH TA / S. TAYLOR DRIVE

LEGEND

- △ HIGH POINT
- ⊙ LOW POINT
- ■ PROPOSED INLET
- * END RADIUS
- ** MATCH EXISTING

MATCHLINE 143+50

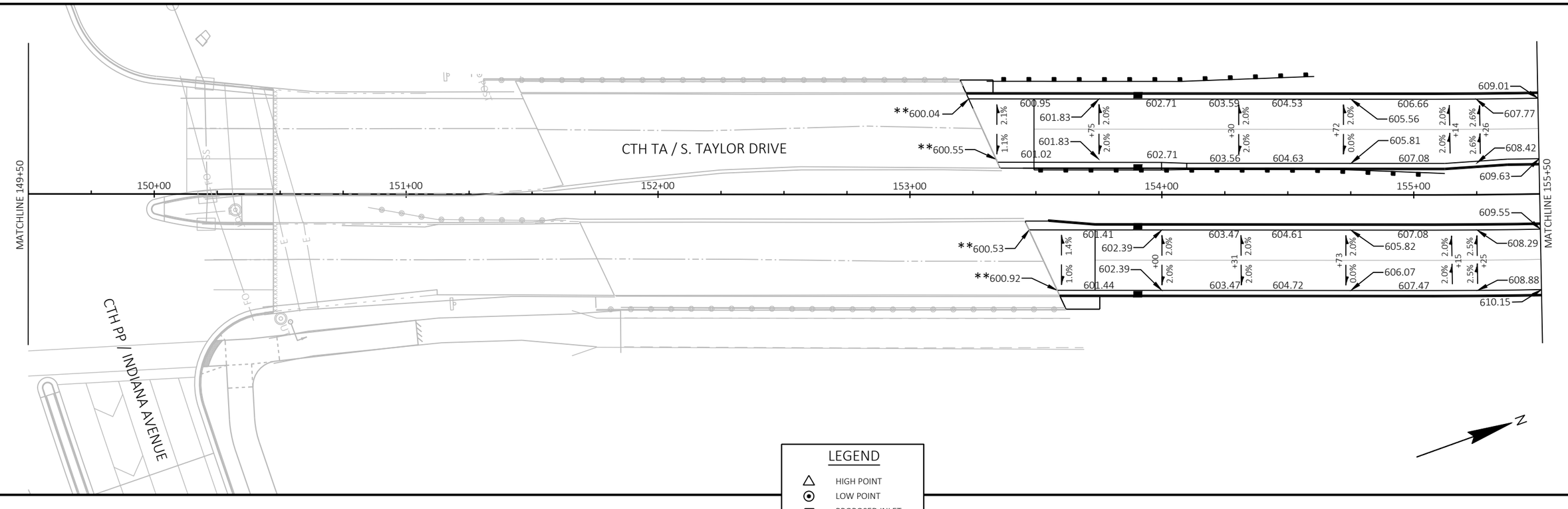
CTH TA / S. TAYLOR DRIVE

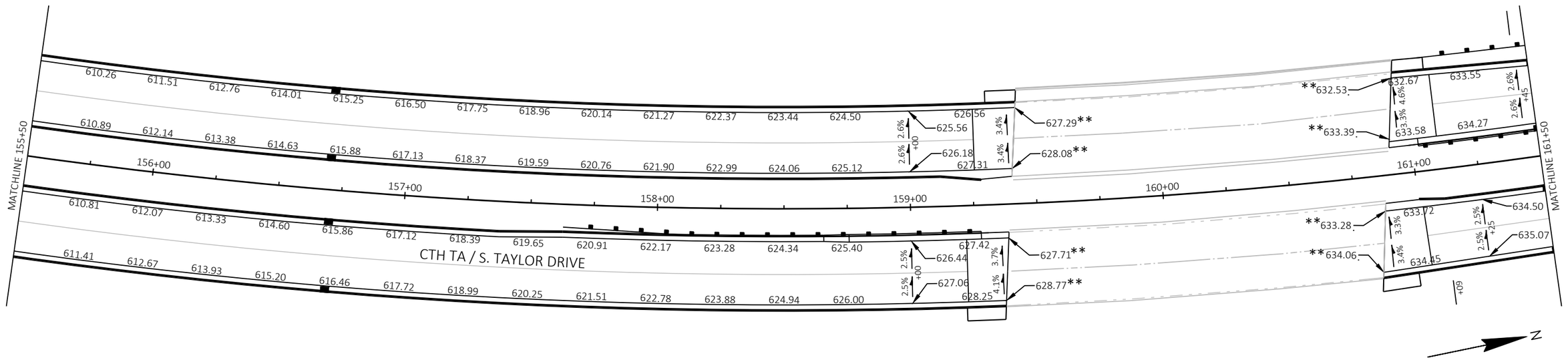
CTH PP / INDIANA AVENUE

MATCHLINE 149+50

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVING GRADES	SHEET 29	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021401_JD.DWG
LAYOUT NAME - 021403_jd
PLOT DATE : 8/28/2023 10:11 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVING GRADES	SHEET 30	E

2

MATCHLINE 161+50

634.39 634.98 635.13 635.70 635.86 636.44 636.41 636.99 636.96 637.53 637.51 638.08 638.06 638.63 638.50 639.07 638.94 639.51 639.37 639.95 639.81 640.38 640.25 640.82 640.68 641.25 641.07 641.64 641.39 641.97 641.66 642.24 641.88 642.45 642.04 642.62 642.21 642.78 642.37 642.94 642.53 643.10 642.69 643.27 642.86 643.43 643.02 643.59 633.14 643.72

162+00 163+00 164+00 165+00 166+00 167+00

2.6%

635.21 635.91 635.76 636.61 636.46 637.31 637.16 637.86 637.86 638.41 638.41 638.96 638.96 639.50 639.51 640.00 640.05 640.47 640.55 640.90 641.02 641.31 641.45 641.68 641.86 642.02 642.23 642.33 642.57 642.60 642.88 642.85 643.11 643.06 643.47 643.19 643.76 643.21 644.02 643.29 644.19 643.37 644.25 643.46 644.41 643.51 644.57 643.58 644.73 643.74 644.90 643.91 645.06

2.5%

CTH TA / S. TAYLOR DRIVE

MATCHLINE 167+50

N

LEGEND

- △ HIGH POINT
- ⊙ LOW POINT
- ■ PROPOSED INLET
- ∗ END RADIUS
- ∗∗ MATCH EXISTING

SEE INTERSECTION DETAILS FOR INTERSECTION GRADE INFORMATION

643.27 643.32 643.49* 643.84 643.97* 644.07 644.19 644.25* 644.35*

2.6%

2.5%

168+00 169+00

645.34 645.22 645.36*

644.06 644.15 644.28 644.40 644.53 644.66 644.78 644.91 645.03 645.16 645.31 645.46 645.61 645.76 645.92 646.07 646.22 646.37 646.94 646.79 646.64 646.49 646.34 646.30 646.23 646.16 646.09 646.04 646.03 645.92 645.79 645.67 645.54 645.41 645.29 645.16 645.10* 645.00 *645.03 *645.12 *645.33 645.37 645.49 645.62 645.74 645.87 645.99 646.12 646.24 646.37 646.49 646.62 646.74 646.83 646.92 647.01 647.24 647.79 647.56 647.47 647.38 647.29 647.17 646.92 647.04 646.79 646.67 646.54 646.42 646.29 646.17 646.04 645.96 645.98 *645.92 645.93

170+00 171+00 172+00 173+00

2.6%

2.5%

CTH TA / S. TAYLOR DRIVE

NEW JERSEY AVENUE

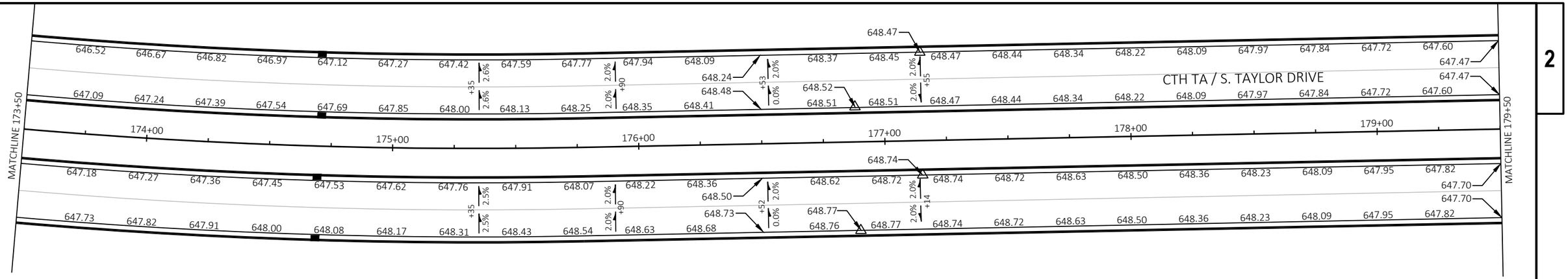
SEE INTERSECTION DETAILS FOR INTERSECTION GRADE INFORMATION

N

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVING GRADES	SHEET 31	E

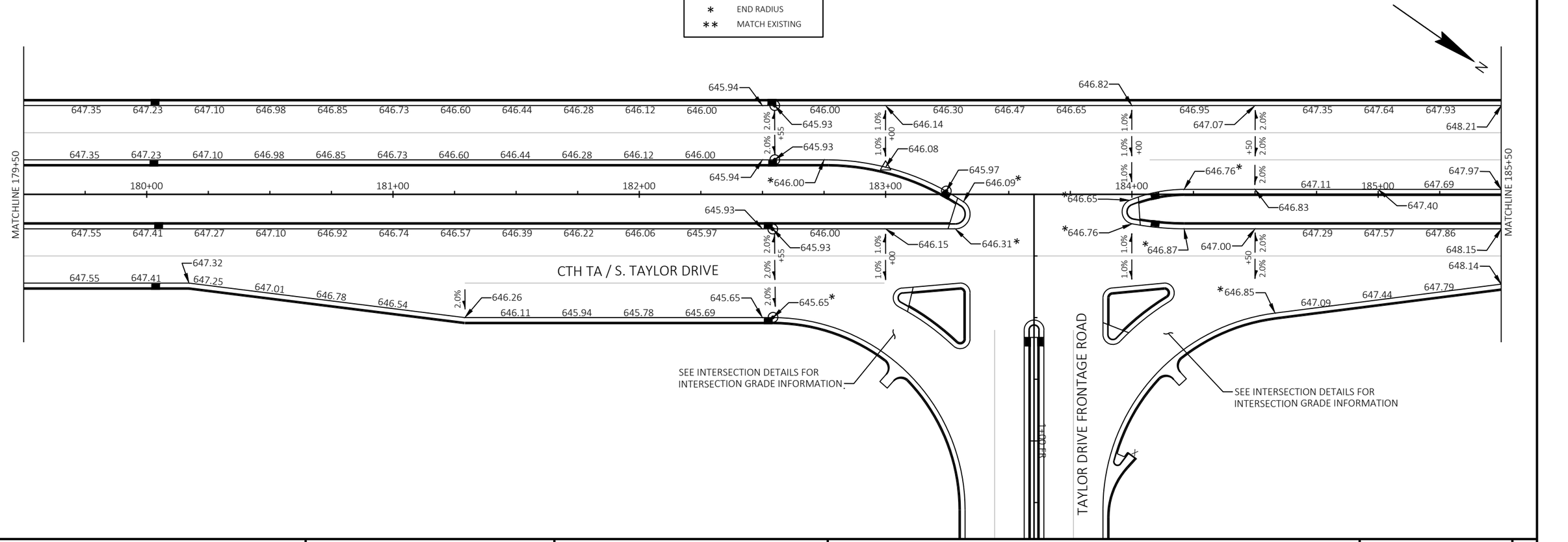
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021401_JD.DWG
LAYOUT NAME - 021405_jd

PLOT DATE : 8/28/2023 10:12 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT



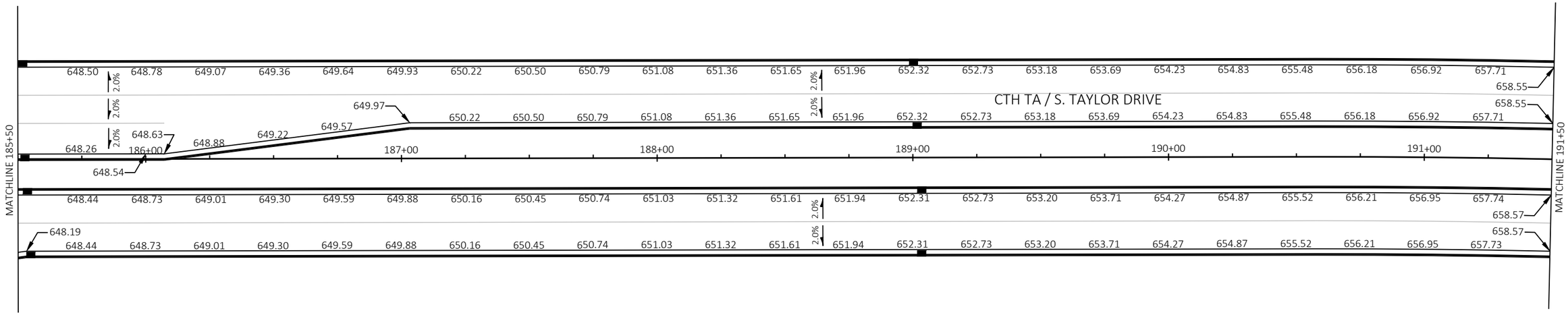
LEGEND

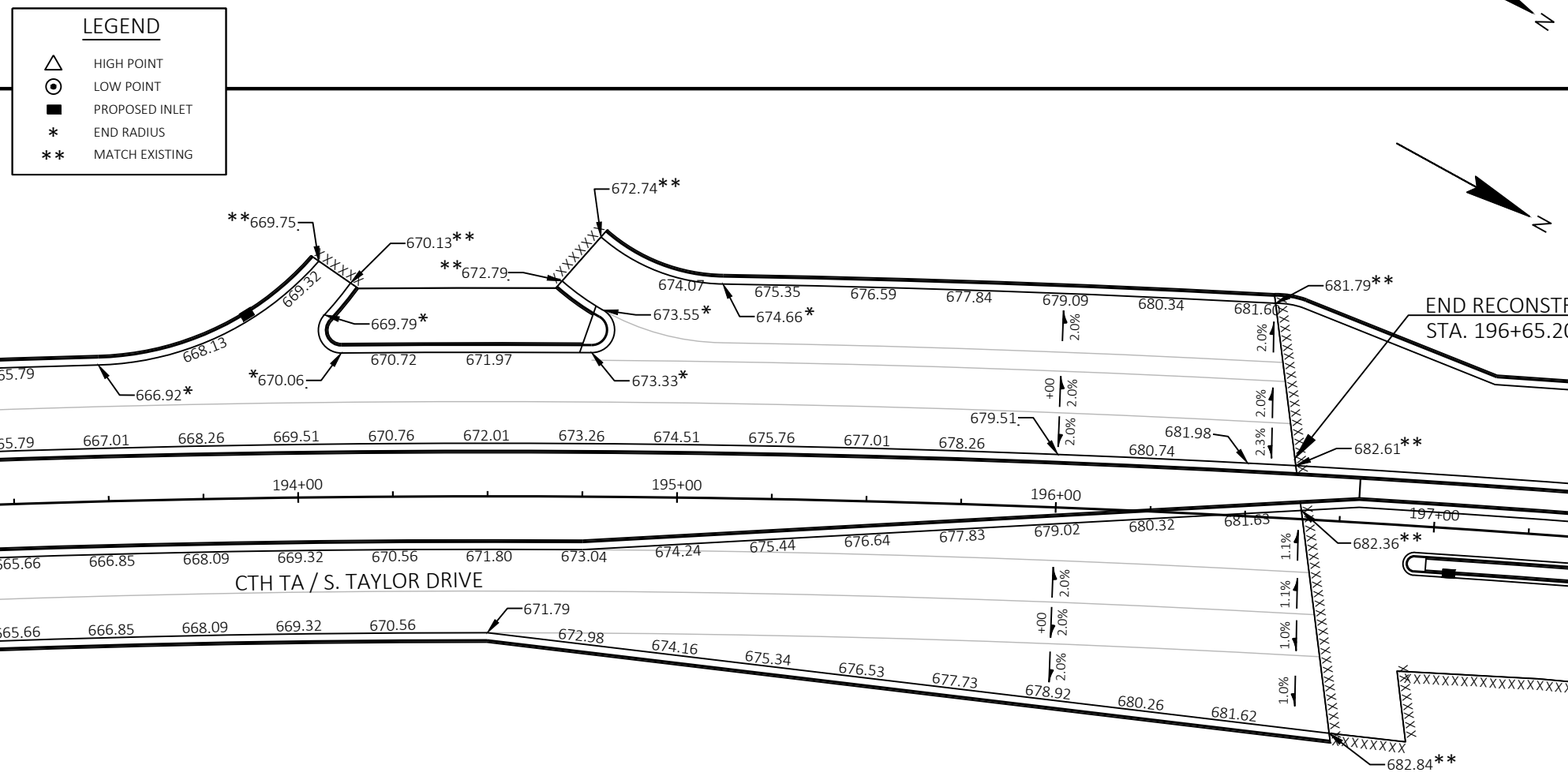
△	HIGH POINT
⊙	LOW POINT
■	PROPOSED INLET
*	END RADIUS
**	MATCH EXISTING



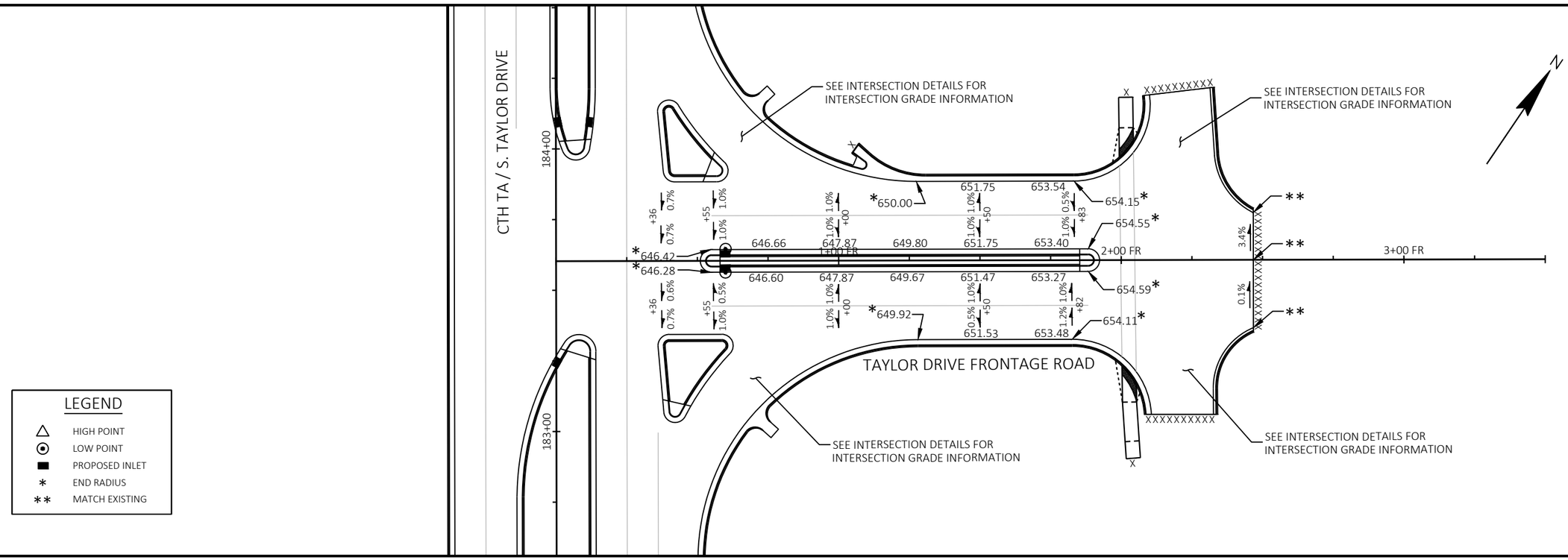
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVING GRADES	SHEET 32	E

2

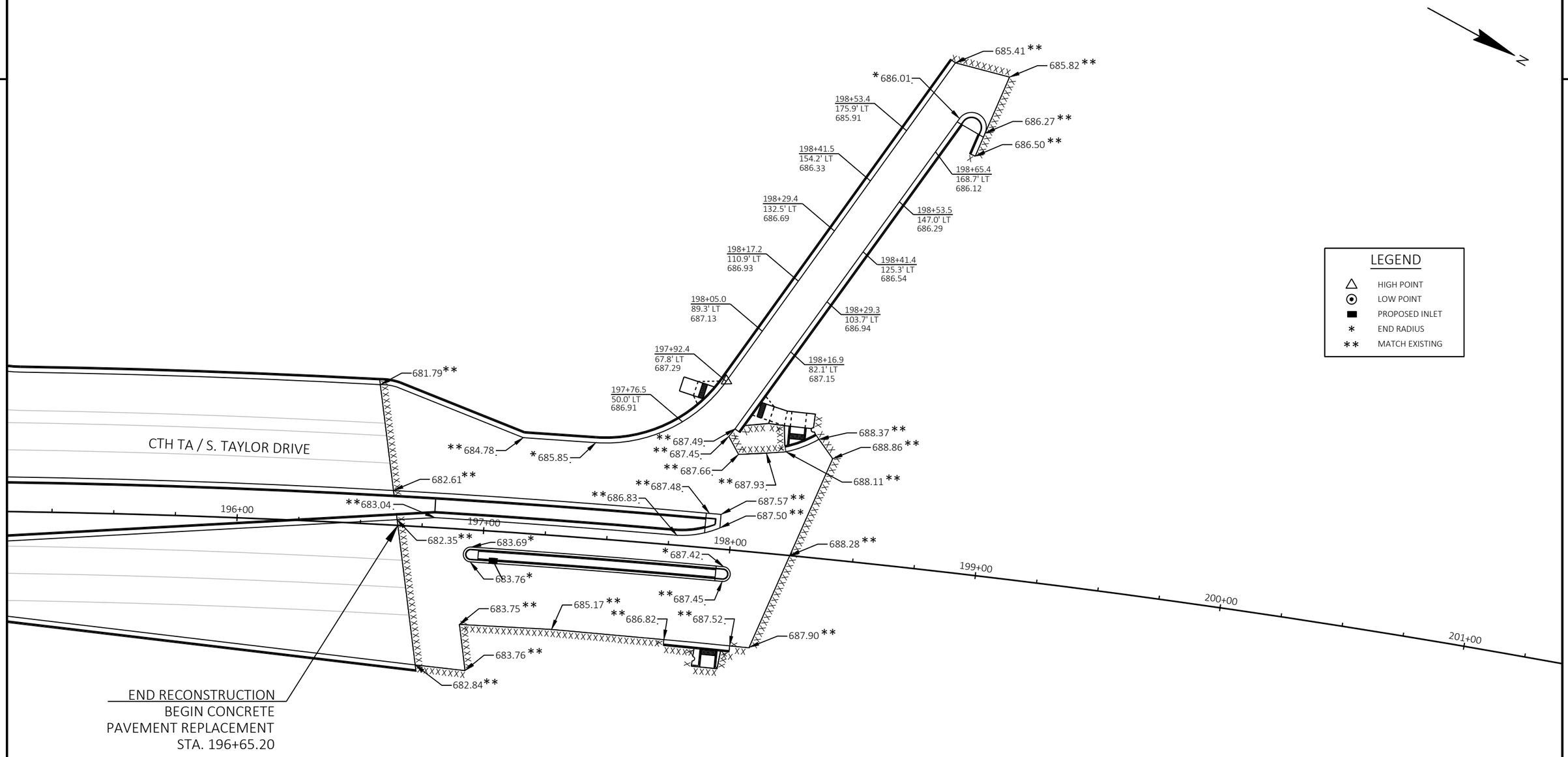




PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVING GRADES	SHEET 33	E


CTH TA / S. TAYLOR DRIVE
184+00
183+00
SEE INTERSECTION DETAILS FOR INTERSECTION GRADE INFORMATION
SEE INTERSECTION DETAILS FOR INTERSECTION GRADE INFORMATION
SEE INTERSECTION DETAILS FOR INTERSECTION GRADE INFORMATION
SEE INTERSECTION DETAILS FOR INTERSECTION GRADE INFORMATION
TAYLOR DRIVE FRONTAGE ROAD
*650.00
651.75
653.54
654.15*
654.55*
654.59*
654.11*
*649.92
651.53
653.48
*646.42
*646.28
646.66
647.87
649.80
651.75
653.40
646.60
647.87
649.67
651.47
653.27
1+00 FR
2+00 FR
3+00 FR
+36 0.7% 0.7%
+55 1.0% 1.0%
1.0% 1.0% +00
1.0% 1.0% +50
1.0% 0.5% +83
+36 0.7% 0.6%
+55 1.0% 0.5%
1.0% 1.0% +00
0.5% 1.0% +50
1.2% 1.0% +82
3.4%
0.1%
XXXXXXXXXX
**
LEGEND
HIGH POINT
LOW POINT
PROPOSED INLET
END RADIUS
MATCH EXISTING

2



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVING GRADES - CONCRETE PAVEMENT REPLACEMENT	SHEET 35	E

CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
A01	168+27.60	60.67 LT	174483.639	210654.184	643.40	
A02	168+27.55	50.67 LT	174486.120	210663.872	643.55	
A03	168+27.53	46.41 LT	174487.179	210668.006	643.44	
A04	168+28.23	44.00 LT	174488.445	210670.162	643.51	
A05	168+17.77	41.99 LT	174479.019	210674.669	643.46	
A06	168+17.32	44.45 LT	174477.980	210672.395	643.39	
A07	168+17.31	46.42 LT	174477.492	210670.487	643.40	
A08	168+17.31	50.69 LT	174476.433	210666.352	643.45	
A09	168+17.31	60.69 LT	174473.952	210656.665	643.30	

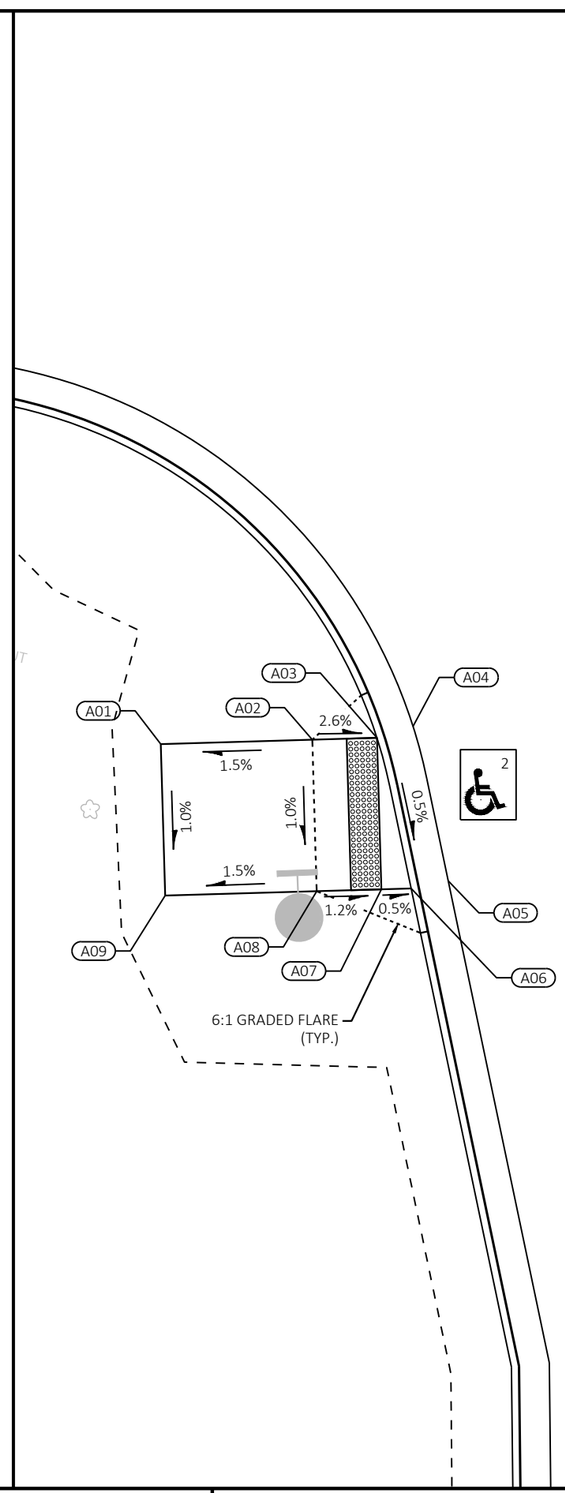
NOTES

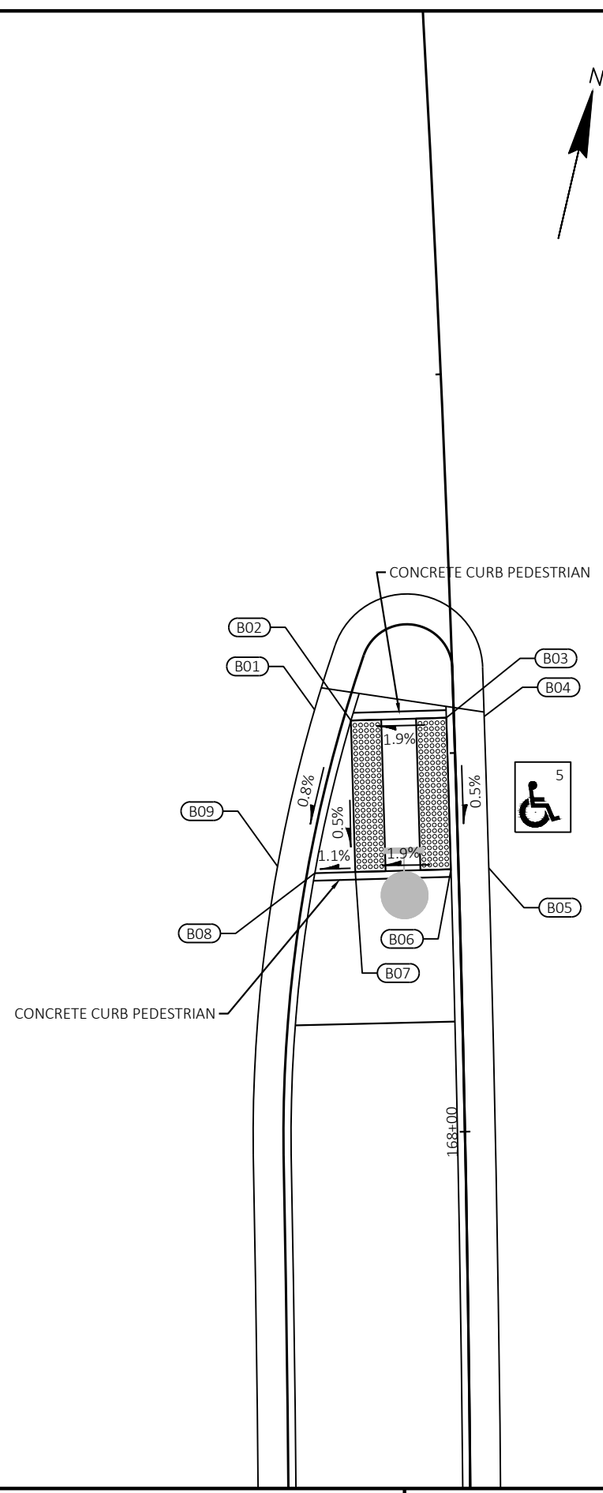
1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE S. TAYLOR DRIVE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

X CURB RAMP TYPE X

PEDESTRIAN PUSH BUTTON (SEE SIGNAL PLANS)

CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
B01	168+28.15	9.17 LT	174497.166	210703.881	644.21	
B02	168+27.36	6.80 LT	174497.006	210706.376	644.14	
B03	168+27.34	0.50 LT	174498.568	210712.476	644.26	
B04	168+27.34	2.00 RT	174499.199	210714.896	644.33	
B05	168+17.34	2.00 RT	174489.505	210717.397	644.28	
B06	168+17.34	0.50 LT	174488.885	210714.975	644.21	
B07	168+17.33	6.82 LT	174487.318	210708.857	644.09	
B08	168+17.33	9.49 LT	174486.654	210706.264	644.06	
B09	168+17.85	11.94 LT	174486.549	210703.766	644.13	





PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CURB RAMP DETAILS	SHEET 36	E

CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
D01	169+00.61	70.37 RT	174589.325	210760.735	645.20	
D02	168+96.91	80.88 RT	174588.637	210771.896	645.03	
D03	169+02.78	71.49 RT	174591.788	210761.167	645.13	
D04	168+99.25	81.47 RT	174591.134	210771.770	644.96	
D05	169+02.71	81.49 RT	174594.577	210770.770	645.01	
D06	169+13.07	71.59 RT	174602.000	210758.200	645.68	
D07	169+12.95	81.59 RT	174604.790	210767.803	645.53	
D08	169+22.75	71.73 RT	174611.603	210755.410	645.83	MATCH EX.
D09	169+22.59	81.73 RT	174614.393	210765.013	645.64	MATCH EX.

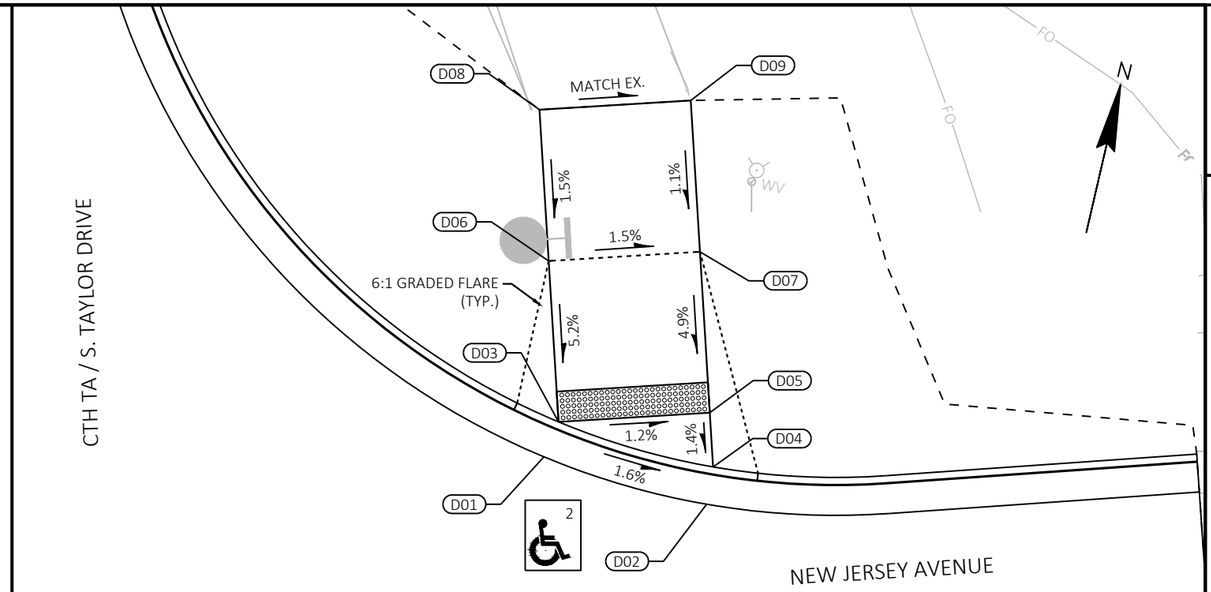
NOTES

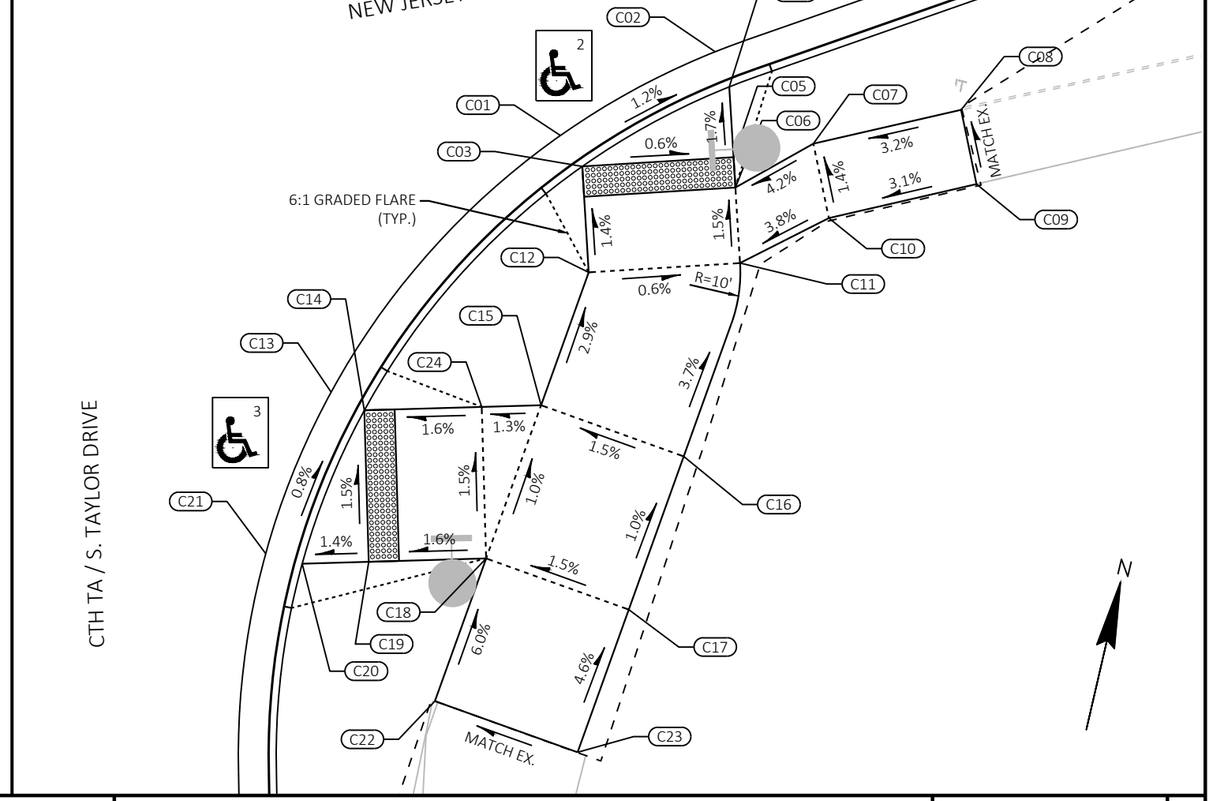
1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE S. TAYLOR DRIVE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
C01	168+44.24	70.57 RT	174533.364	210776.777	644.97	
C02	168+49.16	81.00 RT	174541.000	210785.520	644.83	
C03	168+42.21	71.92 RT	174531.685	210778.629	644.90	
C04	168+46.89	81.82 RT	174538.938	210786.935	644.76	
C05	168+42.41	81.92 RT	174534.475	210788.232	644.84	
C06	168+40.48	81.96 RT	174532.554	210788.790	644.87	
C07	168+43.06	87.22 RT	174536.506	210793.175	645.12	
C08	168+44.82	97.05 RT	174540.822	210802.195	645.44	MATCH EX.
C09	168+40.10	97.87 RT	174536.270	210804.264	645.50	MATCH EX.
C10	168+38.32	88.04 RT	174531.944	210795.249	645.19	
C11	168+35.67	82.07 RT	174527.753	210790.185	644.94	
C12	168+35.44	72.08 RT	174524.963	210780.582	645.00	
C13	168+28.34	54.81 RT	174513.511	210765.738	645.17	
C14	168+27.10	56.96 RT	174512.824	210768.142	645.10	
C15	168+27.06	68.63 RT	174515.718	210779.443	645.27	
C16	168+23.50	77.93 RT	174514.496	210789.367	645.42	
C17	168+13.84	74.01 RT	174503.836	210788.054	645.52	
C18	168+17.37	64.69 RT	174505.059	210778.129	645.37	
C19	168+17.36	56.94 RT	174503.137	210770.623	645.25	
C20	168+17.36	52.55 RT	174502.047	210766.369	645.19	
C21	168+18.08	50.16 RT	174502.167	210763.871	645.26	
C22	168+08.31	61.07 RT	174495.134	210776.906	645.97	MATCH EX.
C23	168+04.86	70.30 RT	174493.911	210786.831	645.98	MATCH EX.
C24	168+27.07	64.71 RT	174514.747	210775.648	645.22	

X CURB RAMP TYPE X

PEDESTRIAN PUSH BUTTON (SEE SIGNAL PLANS)





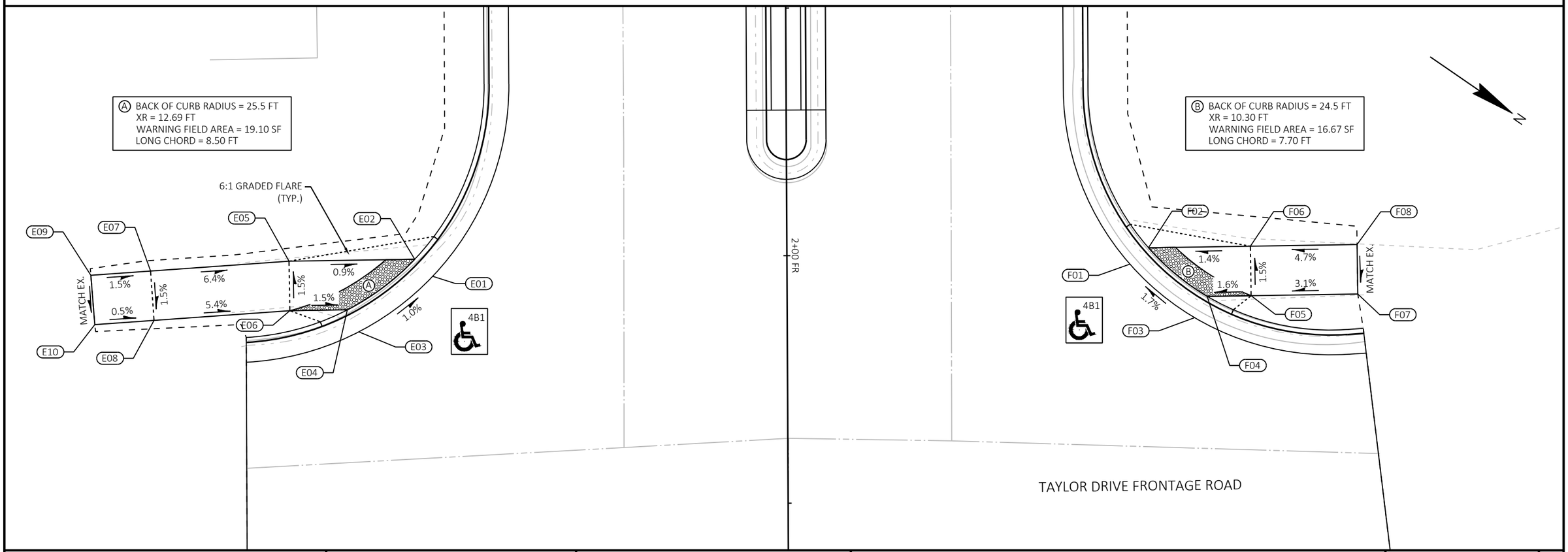
CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
E01	2+01.90 FR	35.79 RT	175906.986	210144.687	655.30	
E02	2+00.17 FR	37.59 RT	175904.518	210144.286	655.23	
E03	2+07.47 FR	43.29 RT	175903.972	210153.528	655.39	
E04	2+05.25 FR	44.42 RT	175901.773	210152.338	655.32	
E05	2+00.31 FR	50.29 RT	175894.142	210151.600	655.34	
E06	2+05.31 FR	50.23 RT	175897.023	210155.686	655.41	
E07	2+01.23 FR	64.28 RT	175883.142	210160.299	656.24	
E08	2+06.22 FR	63.95 RT	175886.244	210164.218	656.17	
E09	2+01.31 FR	70.31 RT	175878.402	210164.048	656.33	MATCH EX.
E10	2+06.61 FR	69.94 RT	175881.538	210167.943	656.20	MATCH EX.

NOTES

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE S. TAYLOR DRIVE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

CURB RAMP TYPE X

CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
F01	2+01.03 FR	34.64 LT	175964.481	210104.006	654.83	
F02	1+99.39 FR	36.52 LT	175965.102	210101.584	654.76	
F03	2+06.48 FR	41.14 LT	175972.926	210104.796	654.97	
F04	2+04.33 FR	42.43 LT	175972.764	210102.301	654.90	
F05	2+04.28 FR	46.87 LT	175976.398	210099.740	654.97	
F06	1+99.28 FR	46.82 LT	175973.518	210095.653	654.90	
F07	2+04.17 FR	57.64 LT	175985.204	210093.533	655.30	MATCH EX.
F08	1+99.17 FR	57.59 LT	175982.323	210089.446	655.41	MATCH EX.



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CURB RAMP DETAILS	SHEET 38	E

CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
G01	197+75.61	68.14 LT	176994.322	209150.242	687.44	
G02	197+74.25	62.30 LT	176995.419	209156.141	687.35	
G03	197+81.34	66.75 LT	177000.223	209149.158	687.35	
G04	197+79.98	60.91 LT	177001.308	209155.059	687.26	
G05	197+85.17	65.83 LT	177004.157	209148.435	687.15	
G06	197+83.81	59.99 LT	177005.242	209154.336	687.04	
G07	197+87.90	65.18 LT	177006.960	209147.920	687.14	
G08	197+89.90	63.73 LT	177009.408	209148.426	687.21	
G09	197+85.64	58.32 LT	177007.615	209155.121	687.11	

NOTES

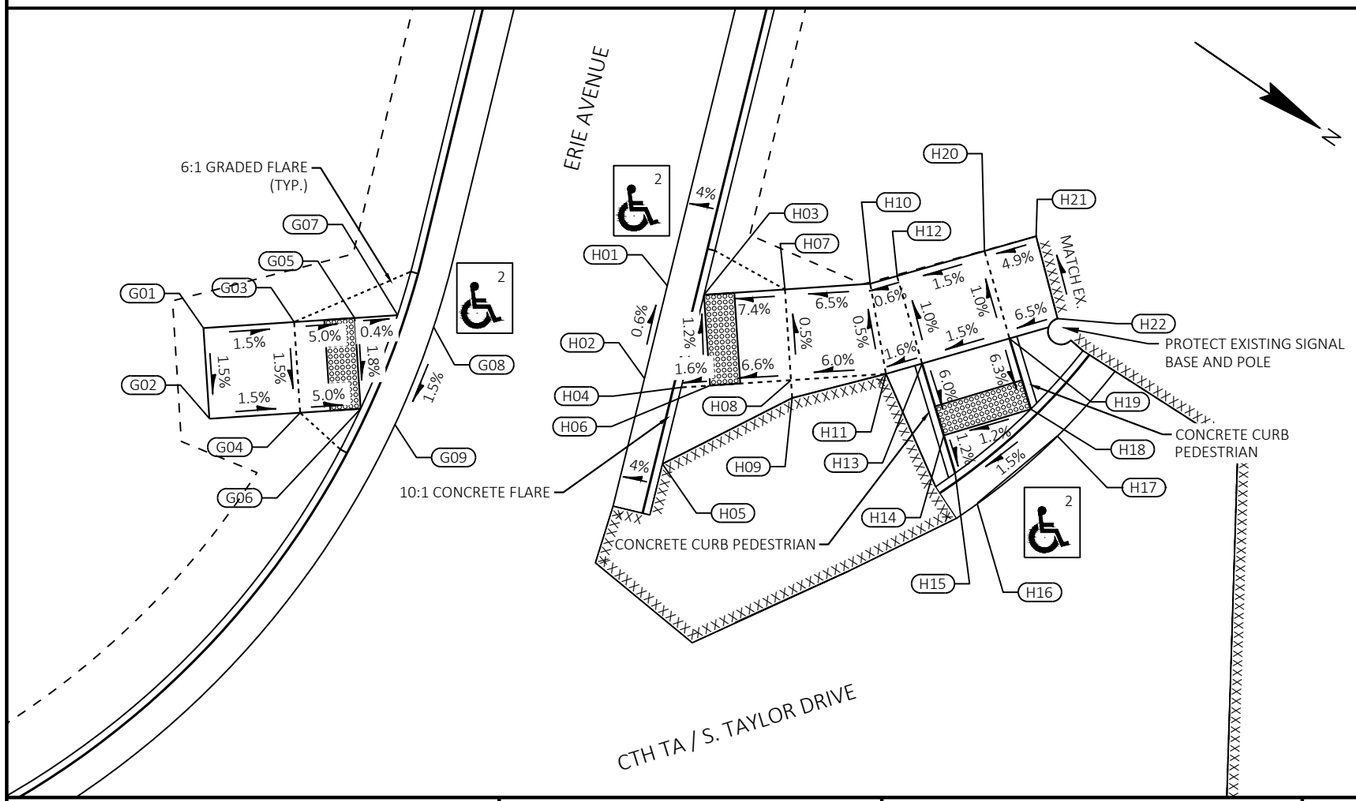
1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE S. TAYLOR DRIVE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

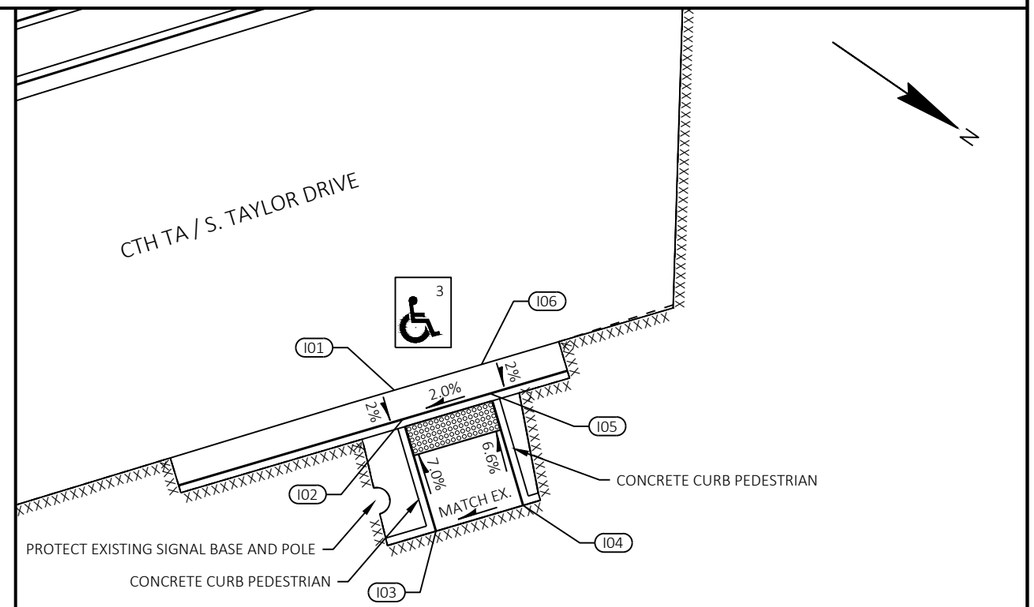
CURB RAMP TYPE X

CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
H01	198+05.19	61.85 LT	177024.404	209143.946	687.41	
H02	198+02.03	56.44 LT	177023.616	209150.192	687.45	
H03	198+07.31	60.58 LT	177026.885	209144.260	687.50	
H04	198+04.15	55.16 LT	177026.096	209150.505	687.54	
H05	198+01.54	50.70 LT	177025.445	209155.657	688.05	MATCH EX.
H06	198+05.98	54.74 LT	177027.969	209150.161	687.57	
H07	198+12.45	59.39 LT	177032.150	209143.292	687.89	
H08	198+11.13	53.54 LT	177033.234	209149.193	687.92	
H09	198+10.87	52.39 LT	177033.447	209150.352	688.09	MATCH EX.
H10	198+17.86	58.13 LT	177037.695	209142.273	688.26	
H11	198+17.17	52.14 LT	177039.409	209148.059	688.29	MATCH EX.
H12	198+19.68	58.10 LT	177039.409	209141.576	688.27	
H13	198+19.62	52.11 LT	177041.702	209147.105	688.33	
H14	198+19.63	47.16 LT	177043.668	209151.651	688.11	
H15	198+19.64	44.55 LT	177044.702	209154.045	688.08	
H16	198+20.45	42.19 LT	177046.388	209155.891	688.15	

CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
H17	198+26.73	44.98 LT	177051.127	209150.834	688.25	
H18	198+25.56	47.18 LT	177049.175	209149.271	688.18	
H19	198+25.54	52.05 LT	177047.247	209144.809	688.42	
H20	198+25.59	58.06 LT	177044.937	209139.260	688.36	
H21	198+29.08	58.03 LT	177048.209	209137.898	688.53	MATCH EX.
H22	198+28.90	52.42 LT	177050.239	209143.127	688.64	MATCH EX.

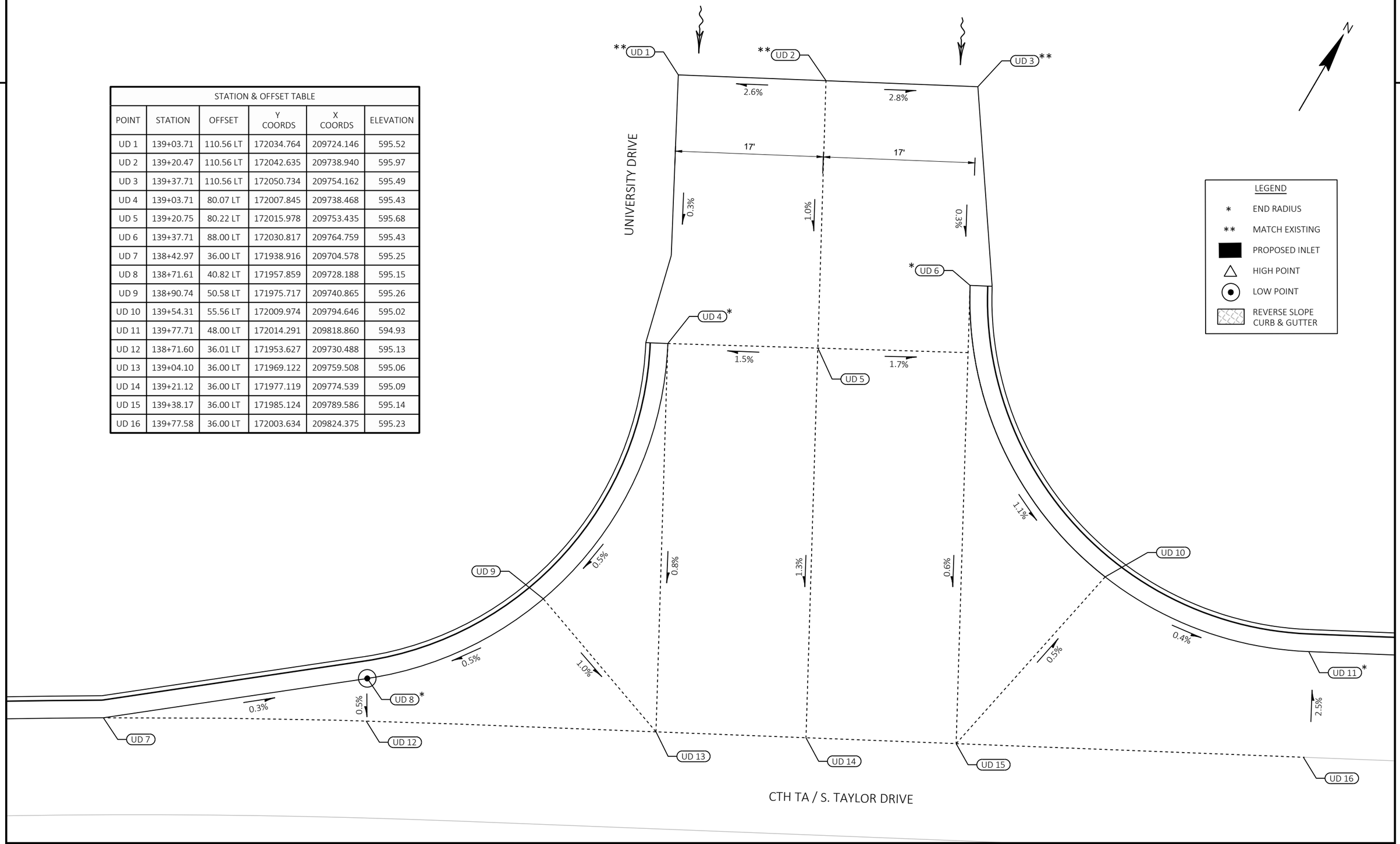
CURB RAMP POINT TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
I01	197+92.10	38.60 RT	177052.421	209241.307	687.29	
I02	197+92.08	40.60 RT	177053.204	209243.147	687.25	
I03	197+92.01	48.30 RT	177056.219	209250.231	687.79	MATCH EX.
I04	197+98.09	48.35 RT	177061.738	209247.879	687.88	MATCH EX.
I05	197+98.15	40.65 RT	177058.725	209240.798	687.37	
I06	197+98.16	38.65 RT	177057.942	209238.957	687.41	





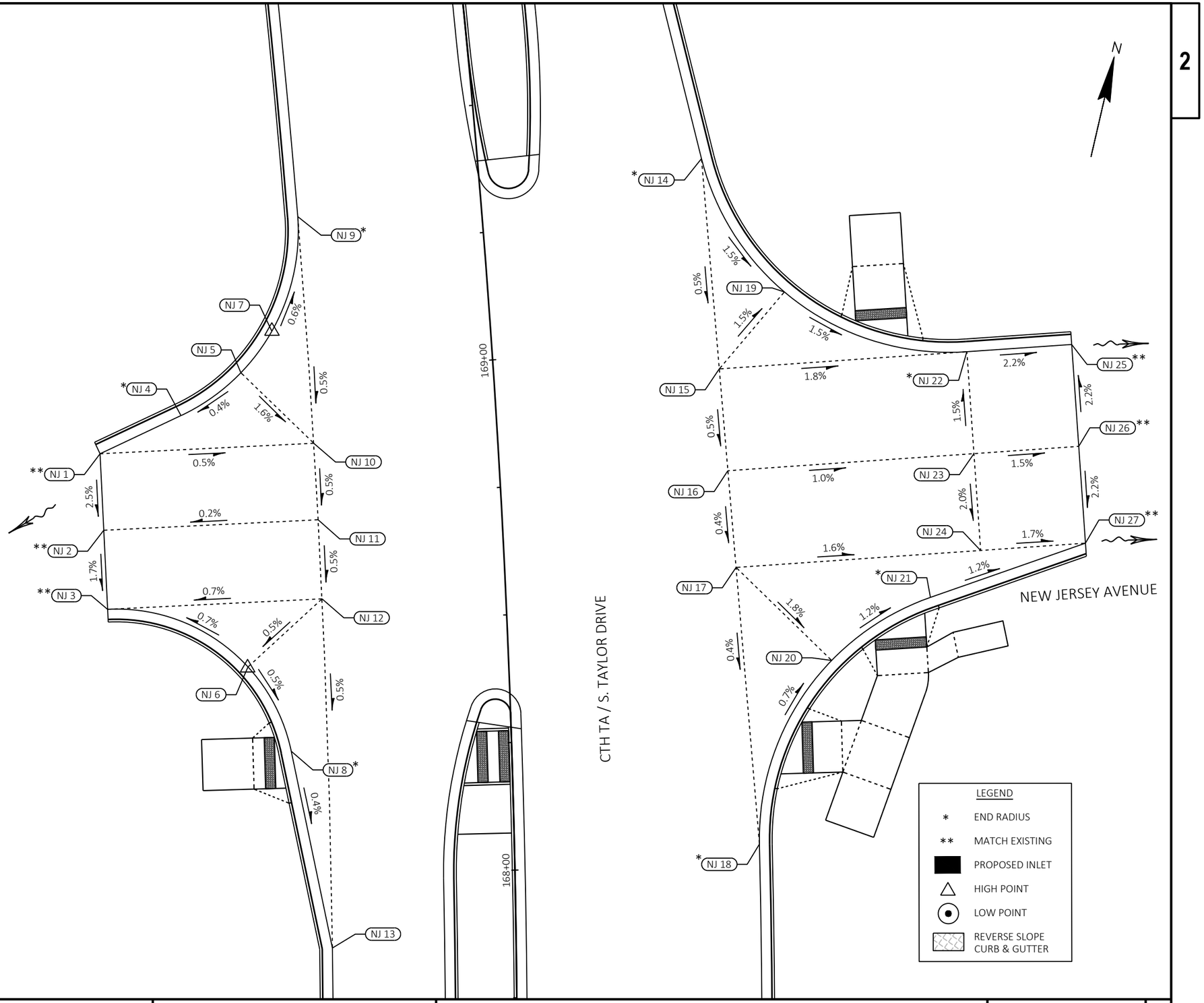
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CURB RAMP DETAILS	SHEET 39	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
UD 1	139+03.71	110.56 LT	172034.764	209724.146	595.52
UD 2	139+20.47	110.56 LT	172042.635	209738.940	595.97
UD 3	139+37.71	110.56 LT	172050.734	209754.162	595.49
UD 4	139+03.71	80.07 LT	172007.845	209738.468	595.43
UD 5	139+20.75	80.22 LT	172015.978	209753.435	595.68
UD 6	139+37.71	88.00 LT	172030.817	209764.759	595.43
UD 7	138+42.97	36.00 LT	171938.916	209704.578	595.25
UD 8	138+71.61	40.82 LT	171957.859	209728.188	595.15
UD 9	138+90.74	50.58 LT	171975.717	209740.865	595.26
UD 10	139+54.31	55.56 LT	172009.974	209794.646	595.02
UD 11	139+77.71	48.00 LT	172014.291	209818.860	594.93
UD 12	138+71.60	36.01 LT	171953.627	209730.488	595.13
UD 13	139+04.10	36.00 LT	171969.122	209759.508	595.06
UD 14	139+21.12	36.00 LT	171977.119	209774.539	595.09
UD 15	139+38.17	36.00 LT	171985.124	209789.586	595.14
UD 16	139+77.58	36.00 LT	172003.634	209824.375	595.23

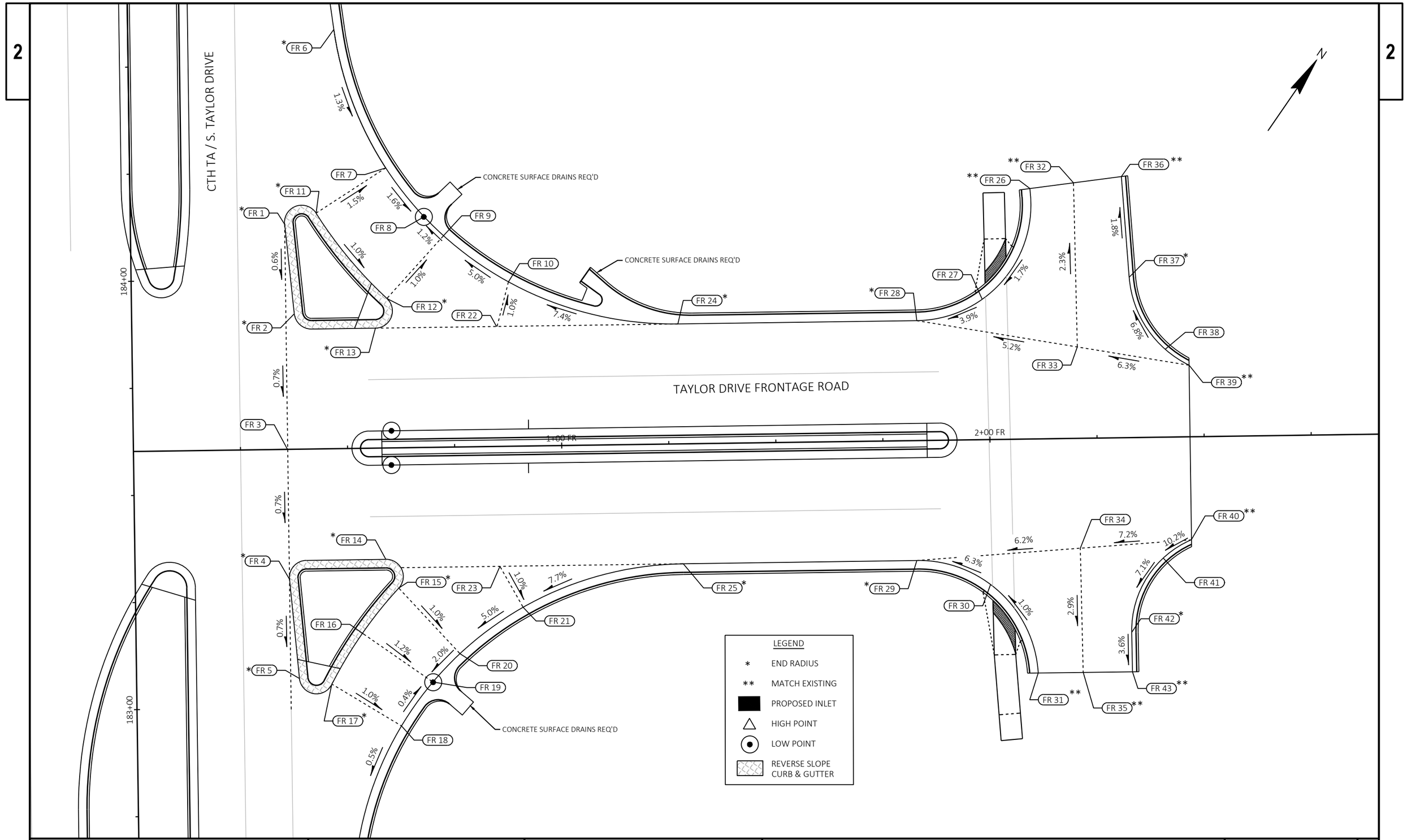


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	INTERSECTION DETAILS	SHEET 40	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
NJ 1	168+86.31	77.93 LT	174533.840	210622.468	644.02
NJ 2	168+70.75	78.05 LT	174519.386	210626.479	643.65
NJ 3	168+54.66	78.06 LT	174504.450	210630.623	643.38
NJ 4	168+92.99	61.63 LT	174544.614	210636.301	644.09
NJ 5	169+00.80	49.38 LT	174555.380	210645.893	644.14
NJ 6	168+41.83	51.08 LT	174499.490	210659.918	643.58
NJ 7	169+08.71	42.78 LT	174564.682	210649.995	644.19
NJ 8	168+24.66	43.20 LT	174485.264	210671.817	643.49
NJ 9	169+31.06	36.00 LT	174587.651	210650.038	644.06
NJ 10	168+85.81	36.00 LT	174545.050	210662.872	643.83
NJ 11	168+70.56	36.00 LT	174530.627	210666.996	643.75
NJ 12	168+54.79	36.00 LT	174515.694	210671.150	643.67
NJ 13	167+85.24	36.00 LT	174449.458	210688.169	643.32
NJ 14	169+35.85	43.76 RT	174616.121	210724.699	645.92
NJ 15	168+95.36	44.18 RT	174576.724	210737.153	645.73
NJ 16	168+75.77	44.67 RT	174557.651	210743.181	645.64
NJ 17	168+57.17	45.30 RT	174539.533	210748.909	645.56
NJ 18	168+04.02	48.00 RT	174487.693	210765.296	645.36
NJ 19	169+09.20	57.92 RT	174594.230	210746.273	645.43
NJ 20	168+38.65	63.22 RT	174525.892	210771.177	645.08
NJ 21	168+49.81	83.07 RT	174542.191	210787.340	644.80
NJ 22	168+95.57	92.80 RT	174590.677	210783.724	644.85
NJ 23	168+76.40	92.98 RT	174571.518	210789.464	645.15
NJ 24	168+58.19	93.31 RT	174553.317	210794.917	644.77
NJ 25	168+95.66	113.37 RT	174596.581	210803.433	644.39
NJ 26	168+76.66	113.55 RT	174577.423	210809.173	644.84
NJ 27	168+58.62	113.88 RT	174559.222	210814.626	644.42



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	INTERSECTION DETAILS	SHEET 41	E



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	INTERSECTION DETAILS	SHEET 42	E

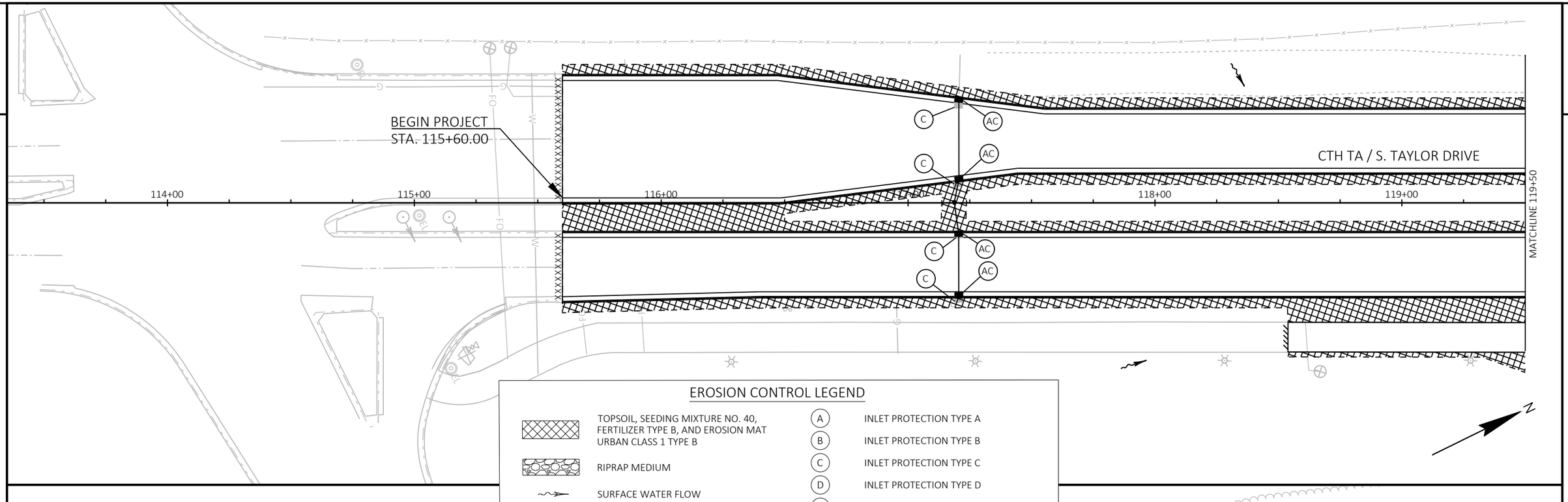
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101_ID.DWG PLOT DATE : 8/28/2023 10:26 AM PLOT BY : ANDERSON, ERIC PLOT NAME :

WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
FR 1	0+36.04 FR	52.54 LT	175885.597	209957.989	646.84
FR 2	0+38.00 FR	31.62 LT	175869.481	209971.472	646.71
FR 3	0+36.02 FR	0.09 RT	175842.249	209987.844	646.52
FR 4	0+36.03 FR	30.36 RT	175817.329	210005.027	646.32
FR 5	0+38.02 FR	53.53 RT	175799.379	210019.812	646.16
FR 6	0+48.16 FR	97.87 LT	175929.793	209942.247	646.85
FR 7	0+59.82 FR	65.37 LT	175909.651	209970.288	646.39
FR 8	0+68.55 FR	53.81 LT	175905.085	209984.038	646.16
FR 9	0+73.09 FR	49.36 LT	175904.003	209990.303	646.24
FR 10	0+88.10 FR	38.38 LT	175903.478	210008.893	646.94
FR 11	0+43.42 FR	55.01 LT	175891.813	209962.664	646.68
FR 12	0+59.67 FR	34.89 LT	175884.472	209987.462	646.44
FR 13	0+56.90 FR	28.00 LT	175877.226	209989.091	646.57
FR 14	0+58.58 FR	26.00 RT	175833.717	210021.118	646.24
FR 15	0+61.50 FR	32.74 RT	175829.819	210027.346	646.18
FR 16	0+52.91 FR	43.20 RT	175816.337	210026.210	646.09
FR 17	0+45.54 FR	55.03 RT	175802.416	210026.854	646.03
FR 18	0+61.69 FR	64.93 RT	175803.427	210045.768	645.84
FR 19	0+69.16 FR	54.79 RT	175816.017	210046.170	645.78
FR 20	0+75.57 FR	48.25 RT	175825.039	210047.733	645.97
FR 21	0+90.46 FR	37.63 RT	175842.237	210053.968	646.89
FR 22	0+85.18 FR	28.00 LT	175893.277	210012.381	647.04
FR 23	0+85.18 FR	28.00 RT	175847.164	210044.156	647.00
FR 24	1+27.51 FR	28.00 LT	175917.294	210047.232	650.00
FR 25	1+28.00 FR	28.00 RT	175871.462	210079.413	649.92

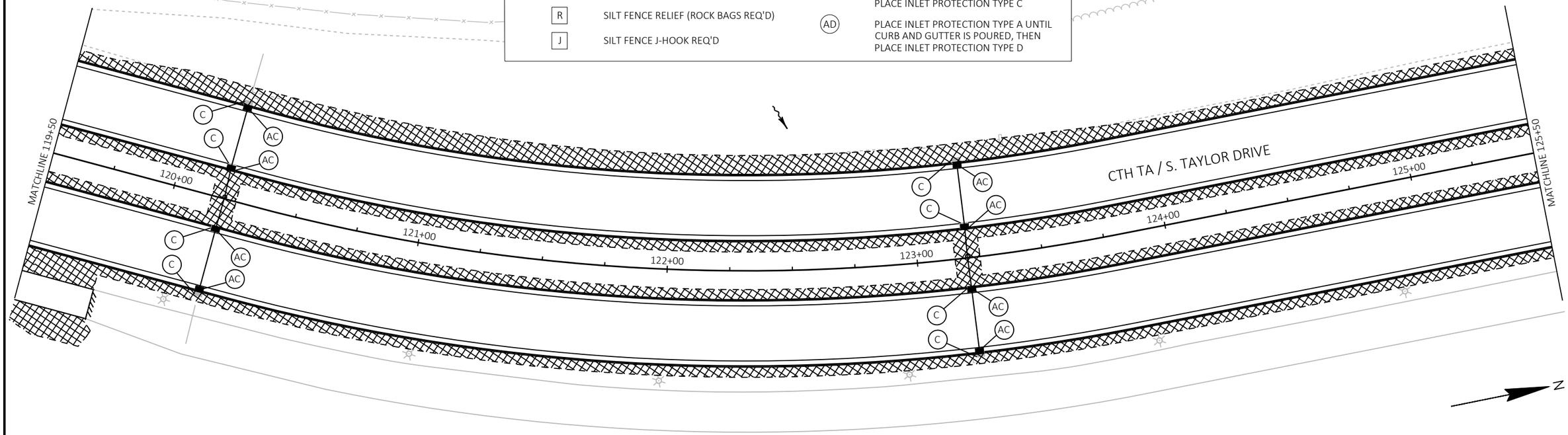
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
FR 26	2+10.14 FR	58.47 LT	175989.269	210097.982	655.27
FR 27	1+98.64 FR	32.74 LT	175961.566	210103.114	654.78
FR 28	1+83.31 FR	28.00 LT	175948.953	210093.177	654.15
FR 29	1+82.53 FR	28.00 RT	175902.402	210124.315	654.11
FR 30	1+99.65 FR	33.86 RT	175907.295	210141.737	655.27
FR 31	2+10.50 FR	54.65 RT	175896.330	210162.466	655.51
FR 32	2+20.33 FR	59.65 LT	175996.031	210105.704	655.24
FR 33	2+20.69 FR	21.33 LT	175964.682	210127.745	656.12
FR 34	2+20.74 FR	25.65 RT	175926.016	210154.442	656.49
FR 35	2+21.01 FR	54.67 RT	175902.283	210171.129	655.66
FR 36	2+31.52 FR	60.96 LT	176003.453	210114.179	655.38
FR 37	2+33.02 FR	37.44 LT	175984.941	210128.754	655.81
FR 38	2+41.19 FR	20.49 LT	175975.619	210145.098	657.13
FR 39	2+46.72 FR	16.70 LT	175975.639	210151.801	657.77
FR 40	2+46.67 FR	24.06 RT	175942.048	210174.895	658.35
FR 41	2+40.08 FR	28.23 RT	175934.867	210171.831	657.62
FR 42	2+32.47 FR	45.44 RT	175916.386	210175.332	656.25
FR 43	2+32.52 FR	54.68 RT	175908.804	210180.619	655.91

2



EROSION CONTROL LEGEND

- TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- R — SILT FENCE RELIEF (ROCK BAGS REQ'D)
- J — SILT FENCE J-HOOK REQ'D
- A — INLET PROTECTION TYPE A
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D



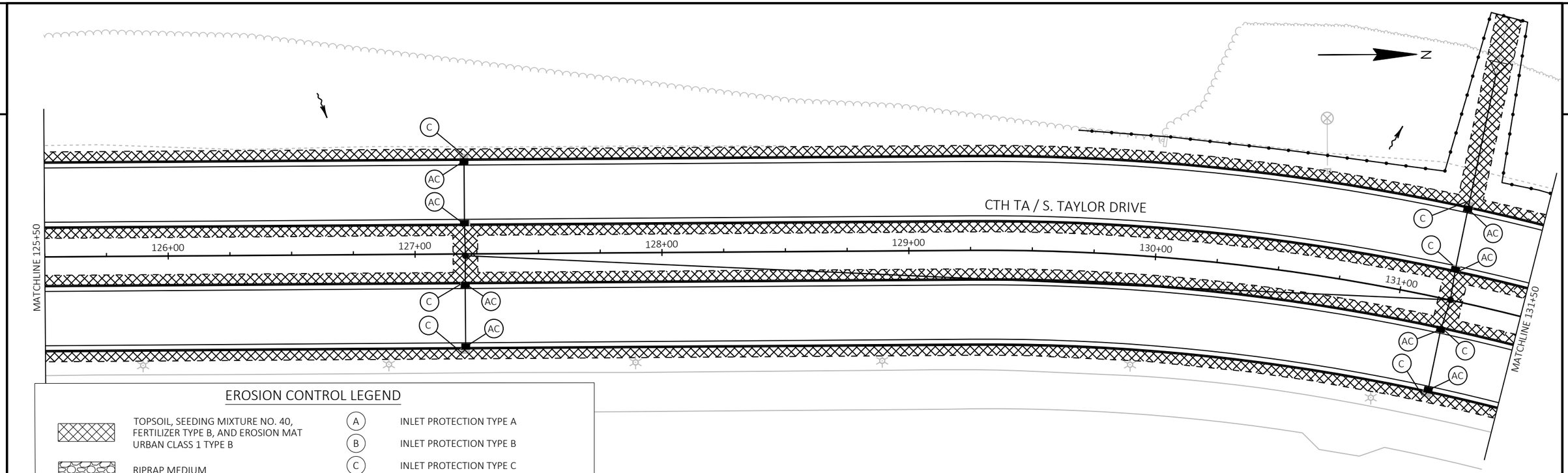
2

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	EROSION CONTROL	SHEET 44	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec

PLOT DATE : 8/1/2023 11:20 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

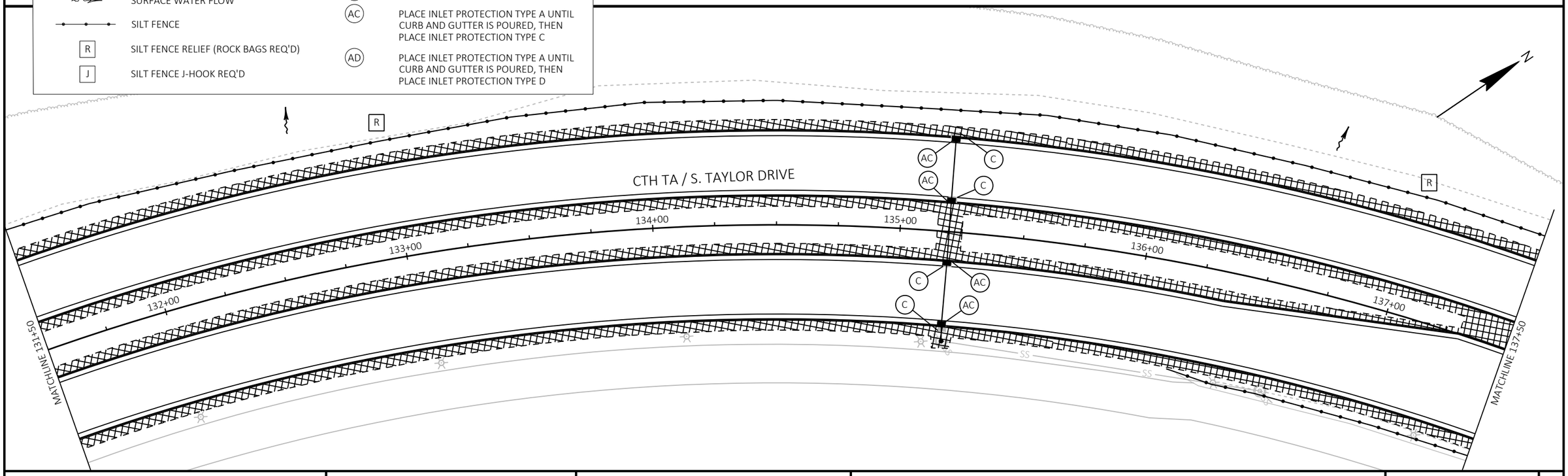
2



EROSION CONTROL LEGEND

- TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- R — SILT FENCE RELIEF (ROCK BAGS REQ'D)
- J — SILT FENCE J-HOOK REQ'D

- A — INLET PROTECTION TYPE A
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D

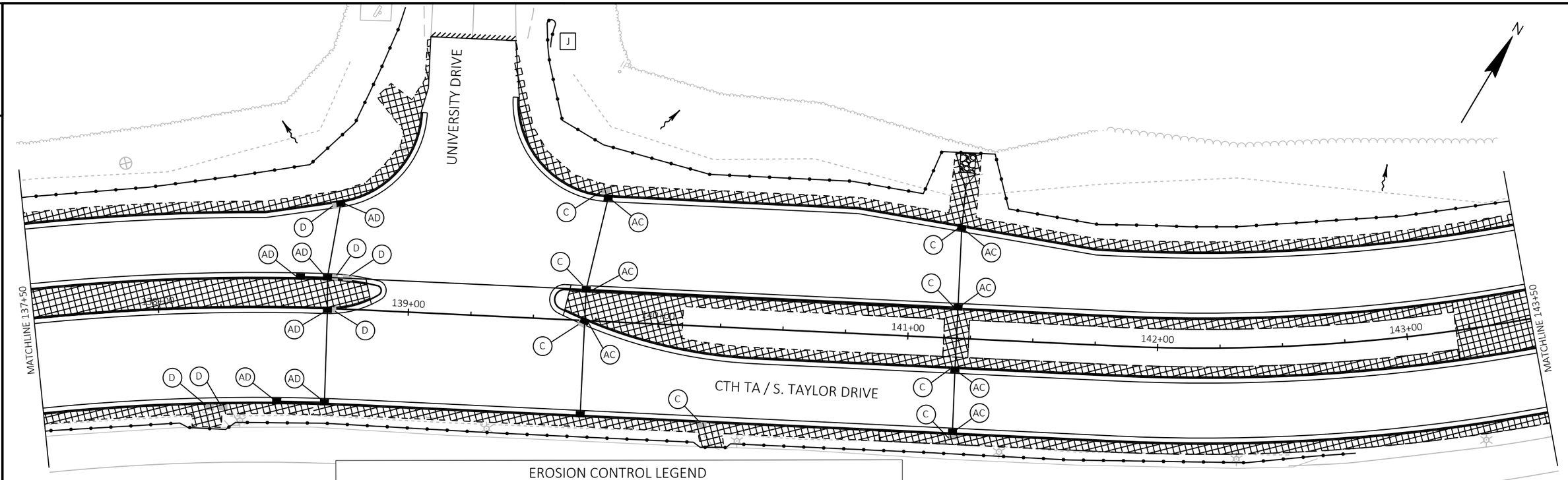


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	EROSION CONTROL	SHEET 45	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022002_ec

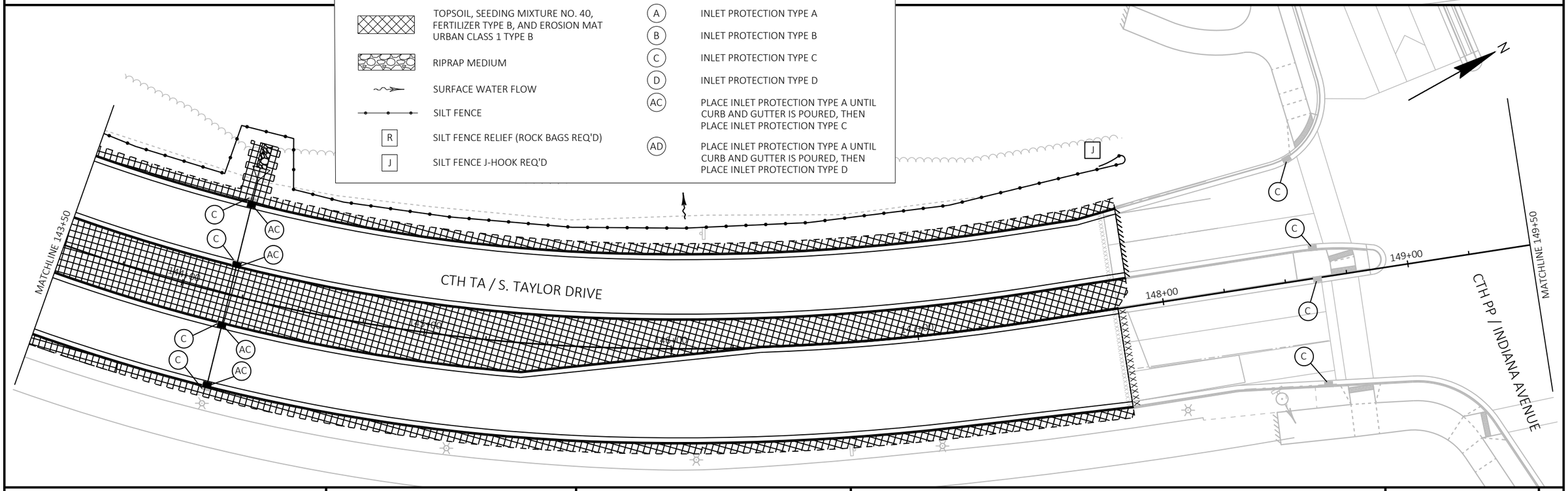
PLOT DATE : 8/1/2023 11:20 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



EROSION CONTROL LEGEND

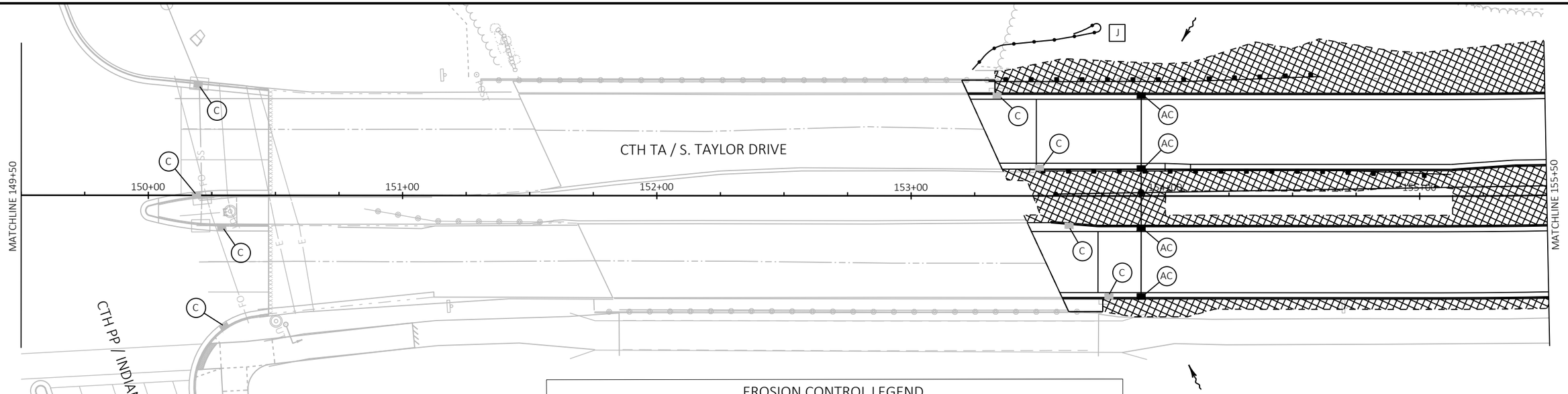
TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS 1 TYPE B	(A) INLET PROTECTION TYPE A
RIPRAP MEDIUM	(B) INLET PROTECTION TYPE B
SURFACE WATER FLOW	(C) INLET PROTECTION TYPE C
SILT FENCE	(D) INLET PROTECTION TYPE D
[R] SILT FENCE RELIEF (ROCK BAGS REQ'D)	(AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
[J] SILT FENCE J-HOOK REQ'D	(AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	EROSION CONTROL	SHEET 46	E

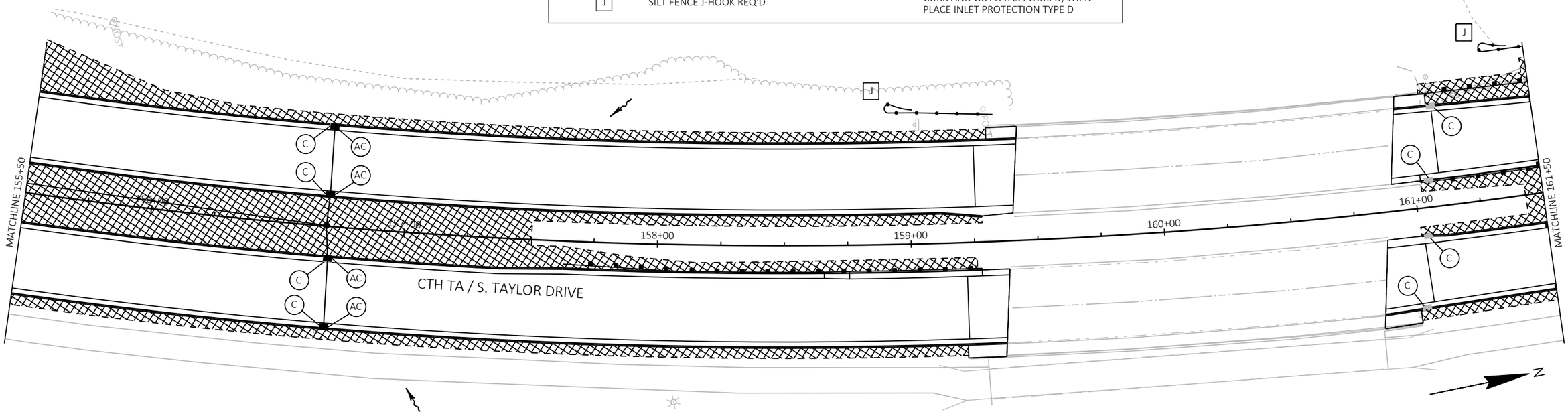
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022003_ec
PLOT DATE : 8/1/2023 11:20 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



EROSION CONTROL LEGEND

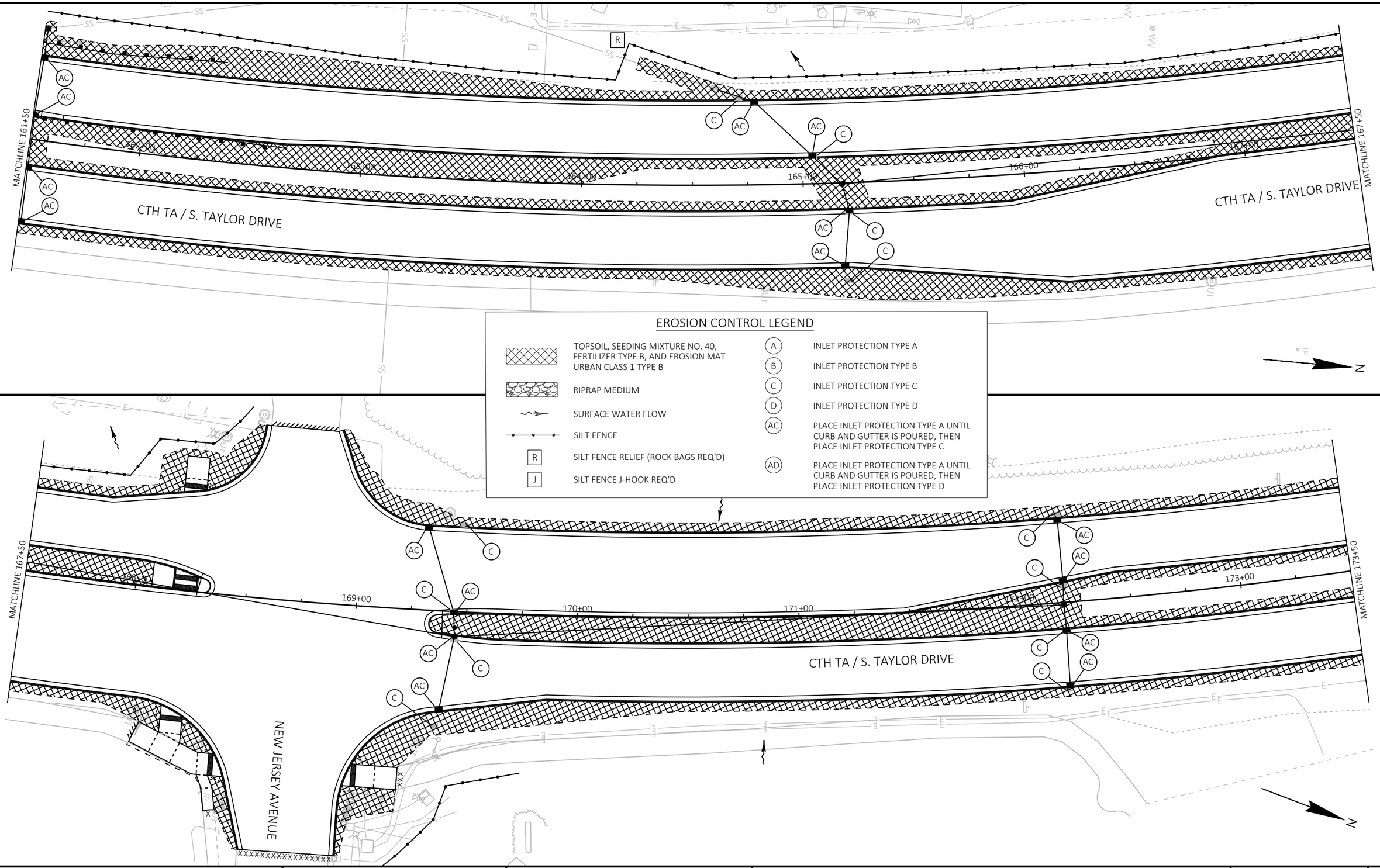
- TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- R — SILT FENCE RELIEF (ROCK BAGS REQ'D)
- J — SILT FENCE J-HOOK REQ'D
- A — INLET PROTECTION TYPE A
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	EROSION CONTROL	SHEET 47	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022004_ec
PLOT DATE : 8/1/2023 11:21 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



EROSION CONTROL LEGEND

- TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- R — SILT FENCE RELIEF (ROCK BAGS REQ'D)
- J — SILT FENCE J-HOOK REQ'D
- A — INLET PROTECTION TYPE A
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	EROSION CONTROL	SHEET 48	E

2

CTH TA / S. TAYLOR DRIVE

MATCHLINE 173+50

MATCHLINE 179+50

174+00 175+00 176+00 177+00 178+00 179+00

EROSION CONTROL LEGEND

TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS 1 TYPE B	A — INLET PROTECTION TYPE A
RIPRAP MEDIUM	B — INLET PROTECTION TYPE B
SURFACE WATER FLOW	C — INLET PROTECTION TYPE C
SILT FENCE	D — INLET PROTECTION TYPE D
R — SILT FENCE RELIEF (ROCK BAGS REQ'D)	AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
J — SILT FENCE J-HOOK REQ'D	AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D

CTH TA / S. TAYLOR DRIVE

MATCHLINE 179+50

MATCHLINE 185+50

180+00 181+00 182+00 183+00 184+00 185+00

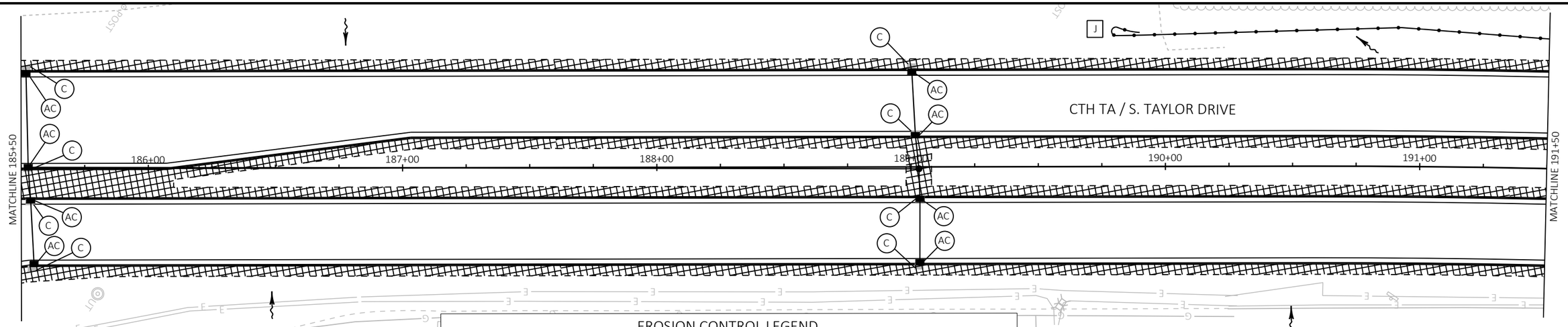
TAYLOR DRIVE FRONTAGE ROAD

MATCHLINE 1+00 FR

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	EROSION CONTROL	SHEET 49	E

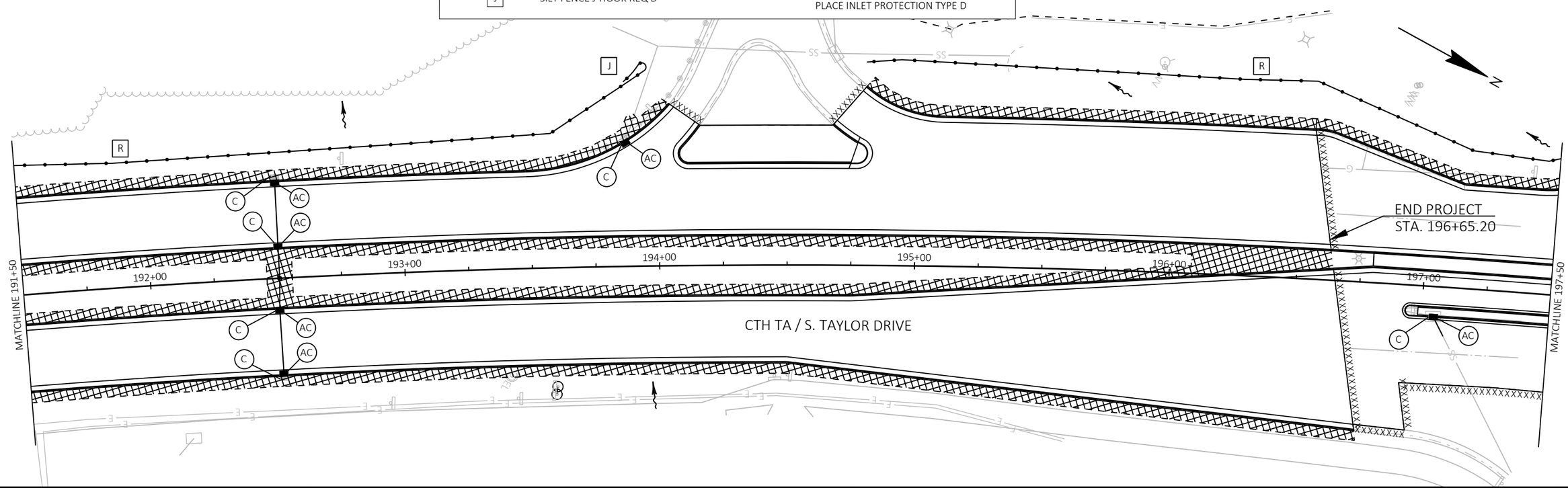
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001_EC.DWG PLOT DATE : 8/1/2023 11:21 AM PLOT BY : ANDERSON, ERIC PLOT NAME :

2



EROSION CONTROL LEGEND

TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS 1 TYPE B	A — INLET PROTECTION TYPE A
RIPRAP MEDIUM	B — INLET PROTECTION TYPE B
SURFACE WATER FLOW	C — INLET PROTECTION TYPE C
SILT FENCE	D — INLET PROTECTION TYPE D
R — SILT FENCE RELIEF (ROCK BAGS REQ'D)	AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
J — SILT FENCE J-HOOK REQ'D	AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D



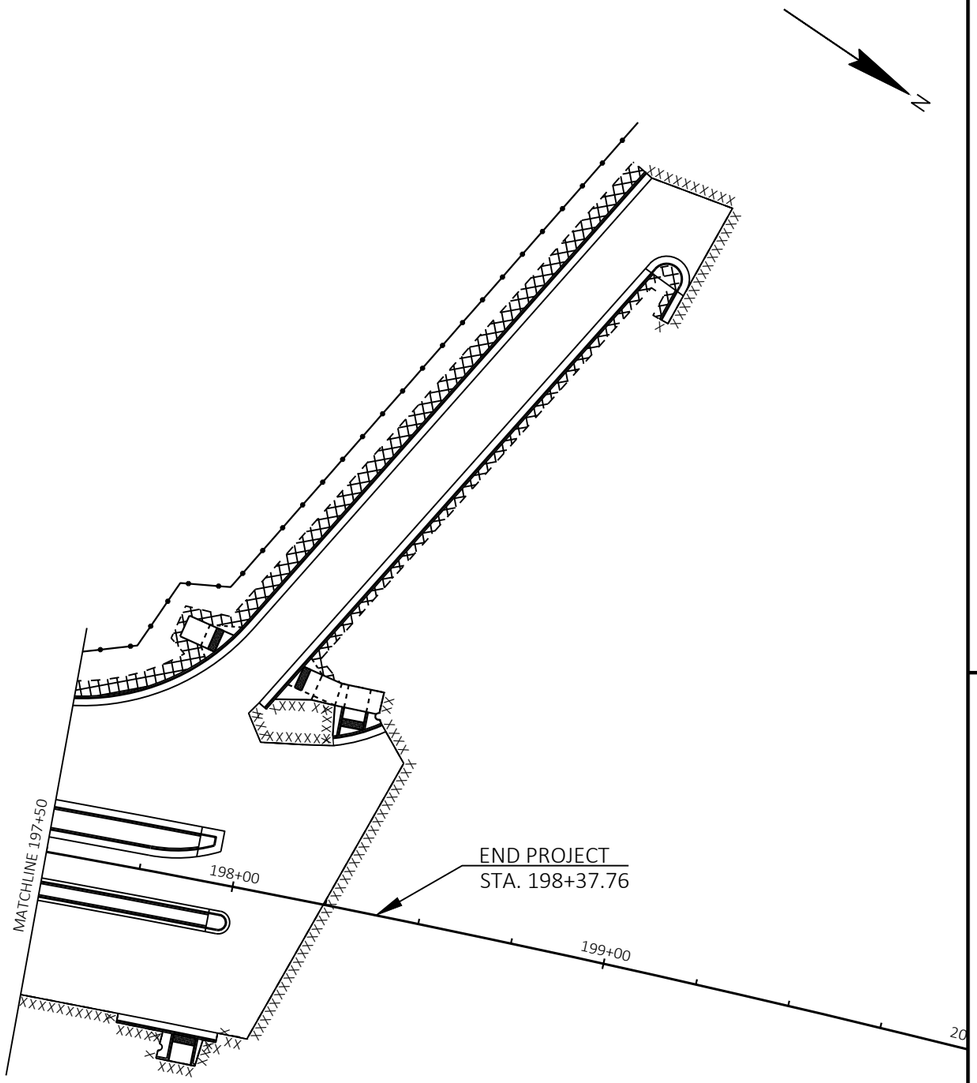
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	EROSION CONTROL	SHEET 50	E

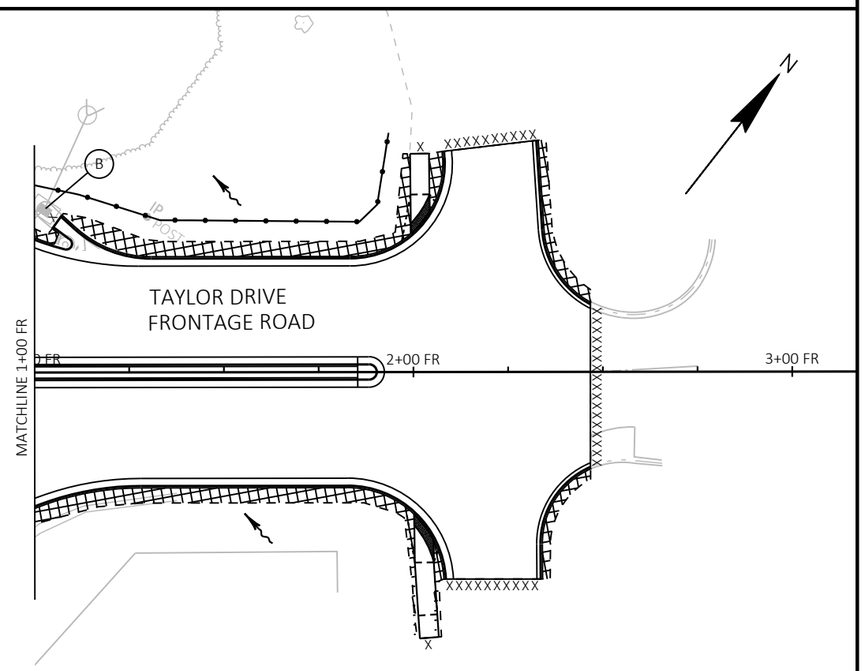
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022007_ec
PLOT DATE : 8/1/2023 11:21 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

EROSION CONTROL LEGEND

TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN CLASS 1 TYPE B	A — INLET PROTECTION TYPE A
RIPRAP MEDIUM	B — INLET PROTECTION TYPE B
SURFACE WATER FLOW	C — INLET PROTECTION TYPE C
SILT FENCE	D — INLET PROTECTION TYPE D
R — SILT FENCE RELIEF (ROCK BAGS REQ'D)	AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
J — SILT FENCE J-HOOK REQ'D	AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE D



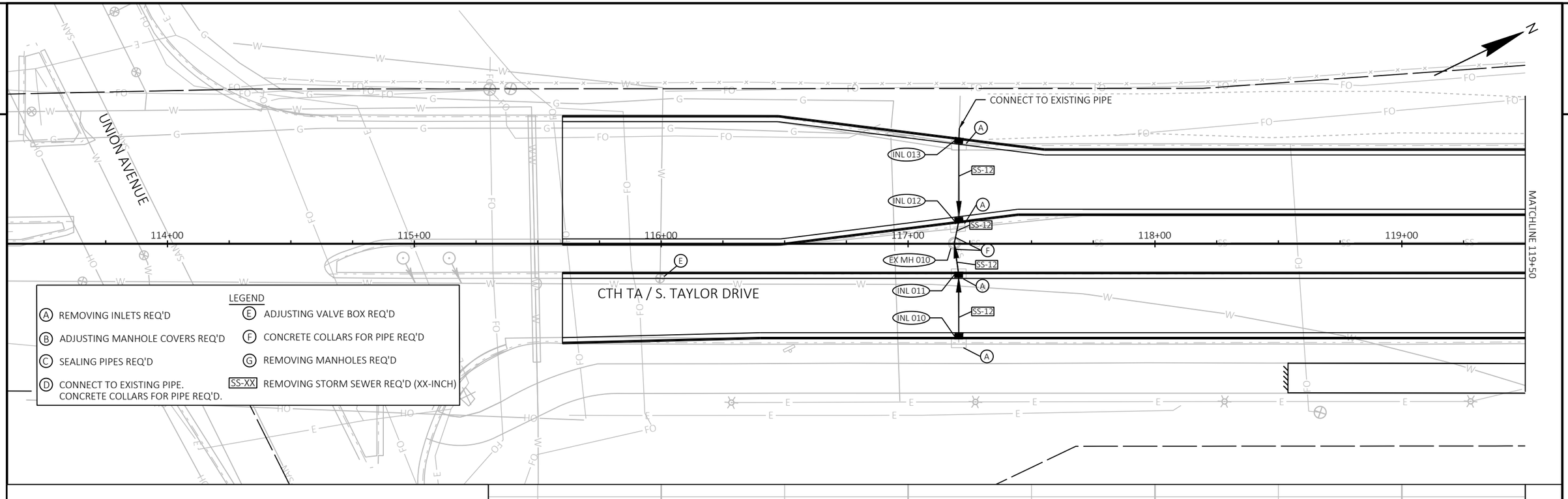


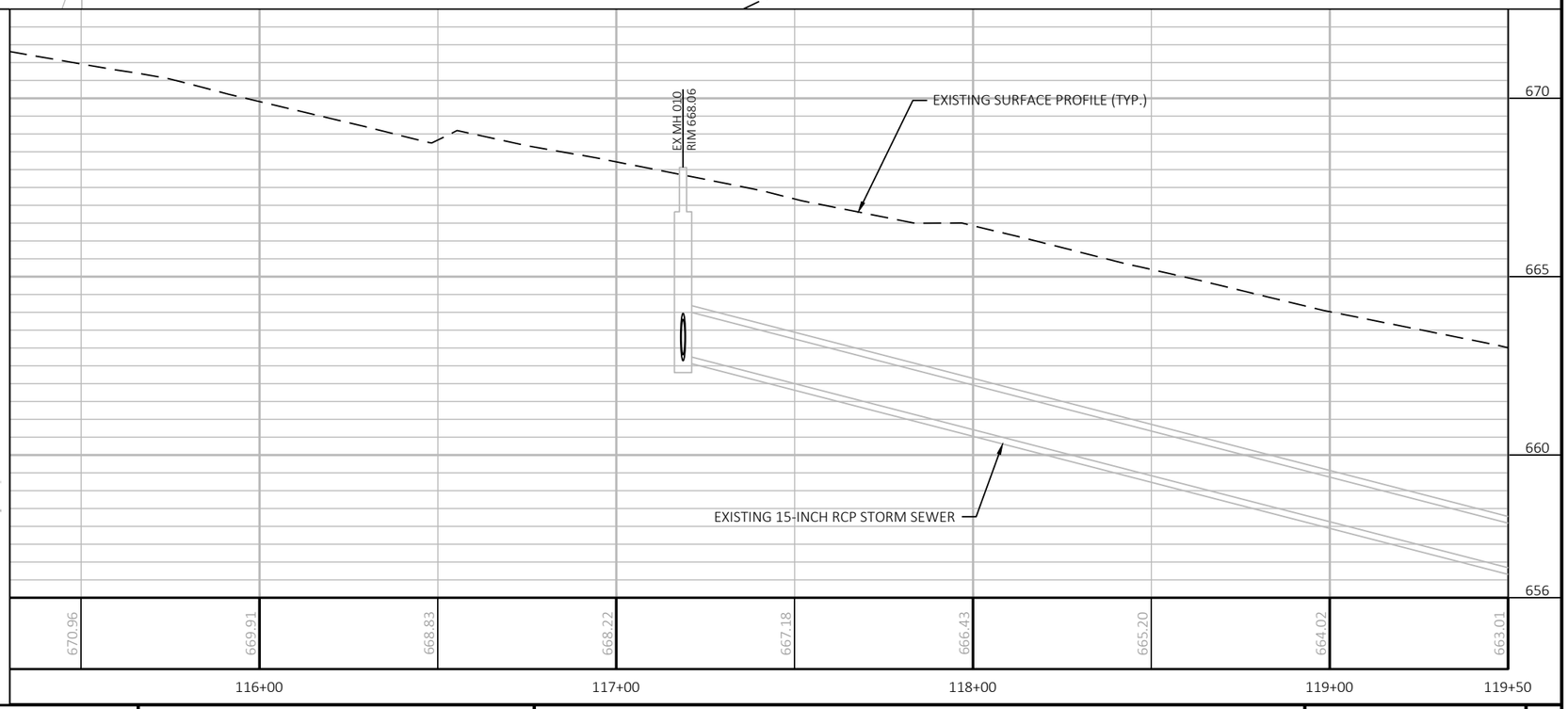
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	EROSION CONTROL	SHEET 51	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022008_ec

PLOT DATE : 8/1/2023 11:21 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2





STORM SEWER PLANS PREPARED BY:

WISCONSIN
ISAK P FRUCHTMAN
E-49360
MILWAUKEE WI
PROFESSIONAL ENGINEER

07/31/2023
(DATE) (SIGNATURE)

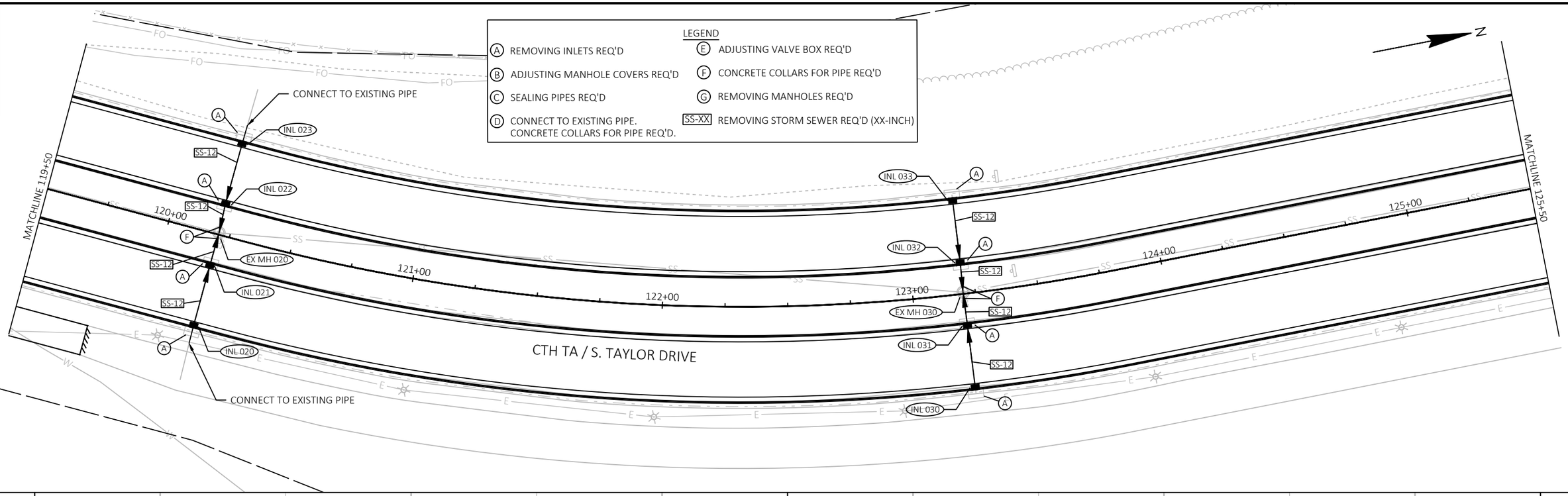
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 52	E

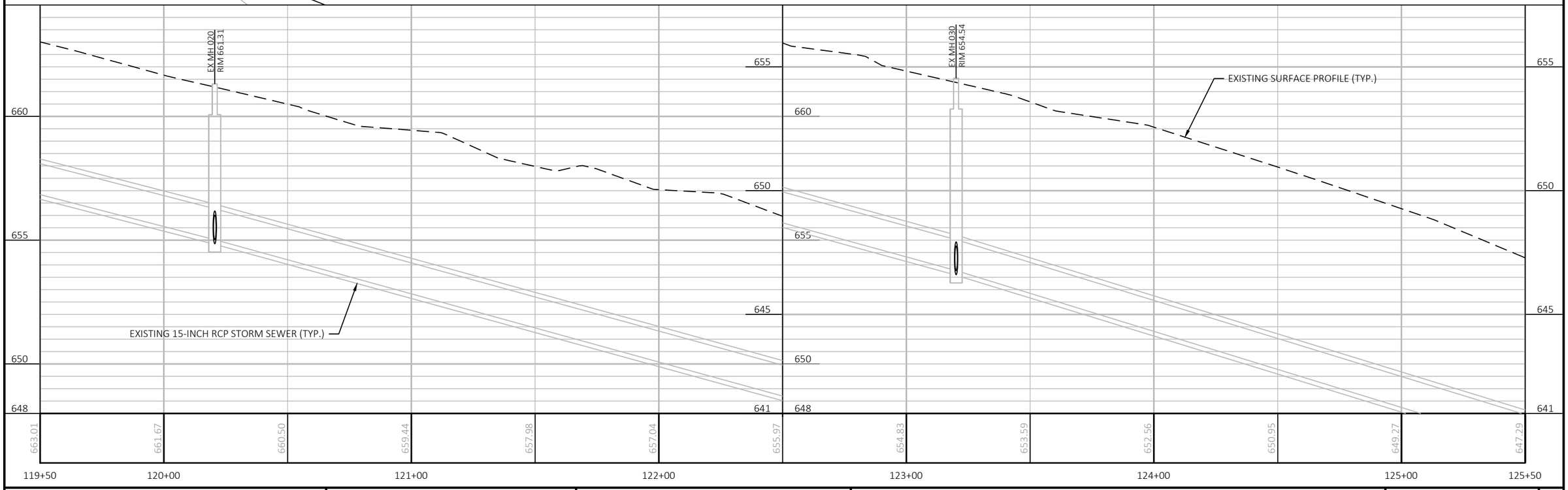
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022501_ss
PLOT DATE : 8/28/2023 10:43 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) ADJUSTING MANHOLE COVERS REQ'D
- (C) SEALING PIPES REQ'D
- (D) CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D.
- (E) ADJUSTING VALVE BOX REQ'D
- (F) CONCRETE COLLARS FOR PIPE REQ'D
- (G) REMOVING MANHOLES REQ'D
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)



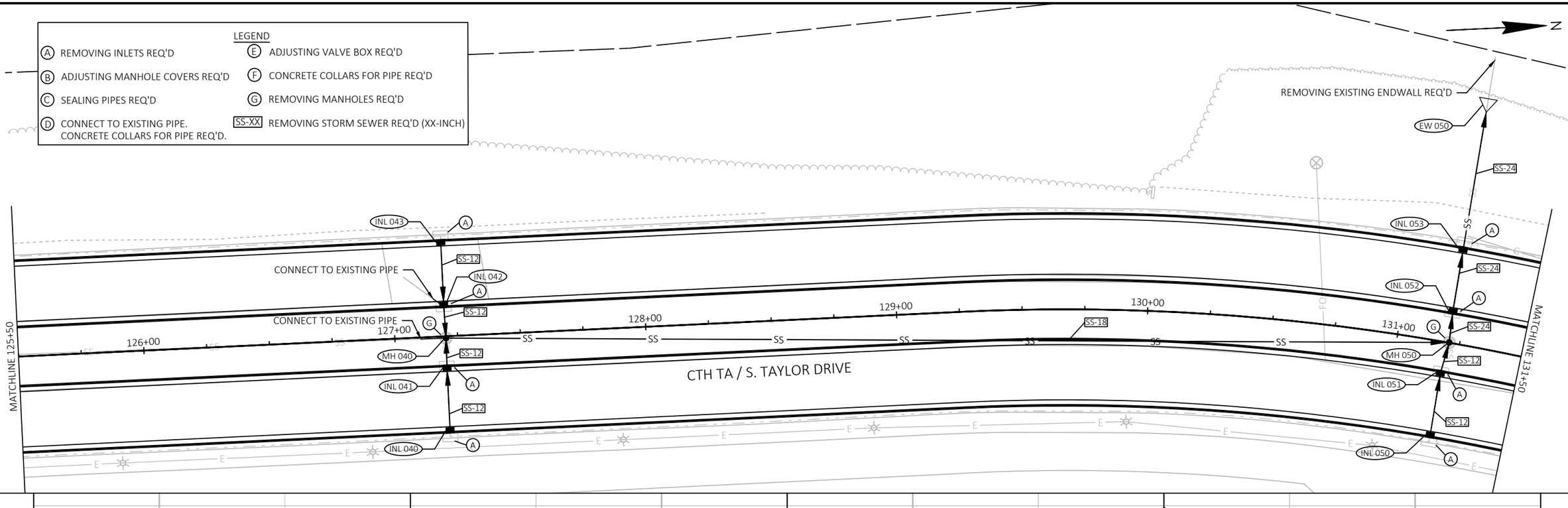


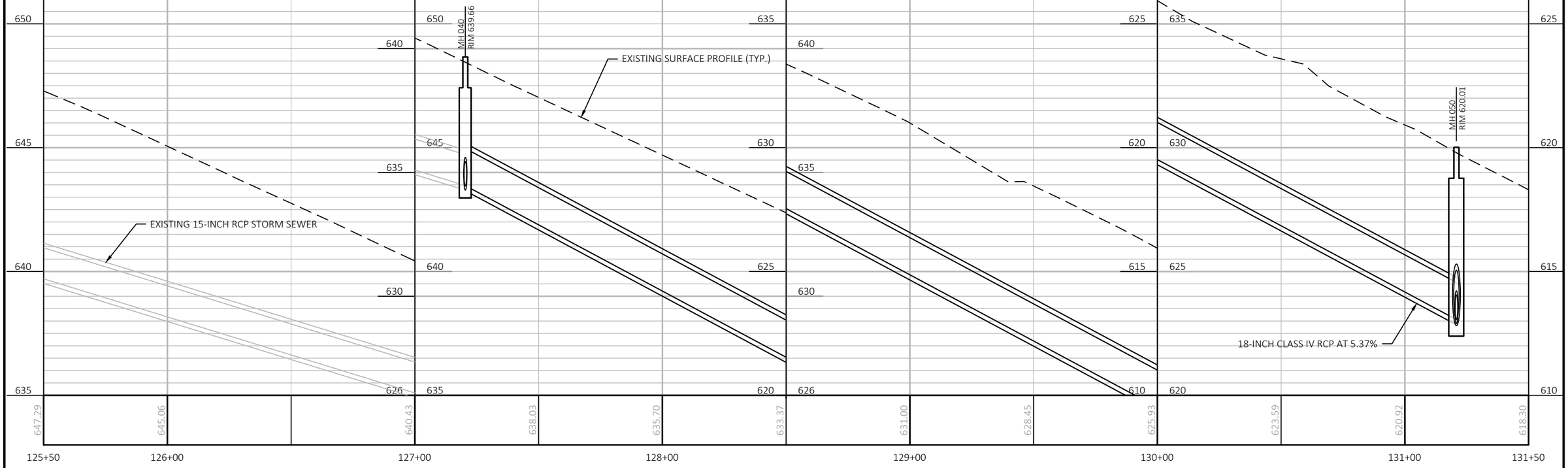
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 53	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022502_ss
PLOT DATE : 8/28/2023 10:43 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) ADJUSTING MANHOLE COVERS REQ'D
- (C) SEALING PIPES REQ'D
- (D) CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D.
- (E) ADJUSTING VALVE BOX REQ'D
- (F) CONCRETE COLLARS FOR PIPE REQ'D
- (G) REMOVING MANHOLES REQ'D
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)

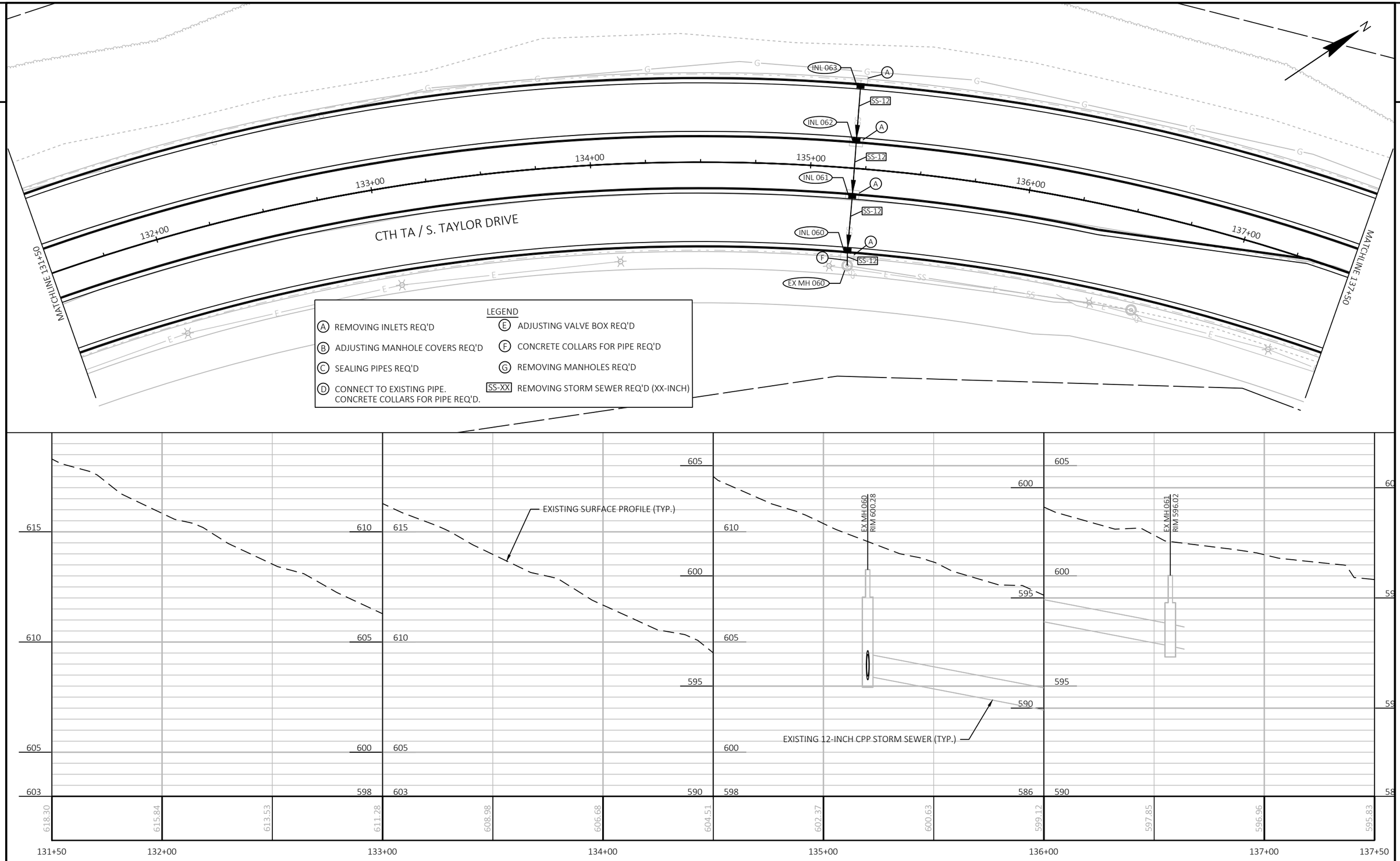




PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 54	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022503_ss

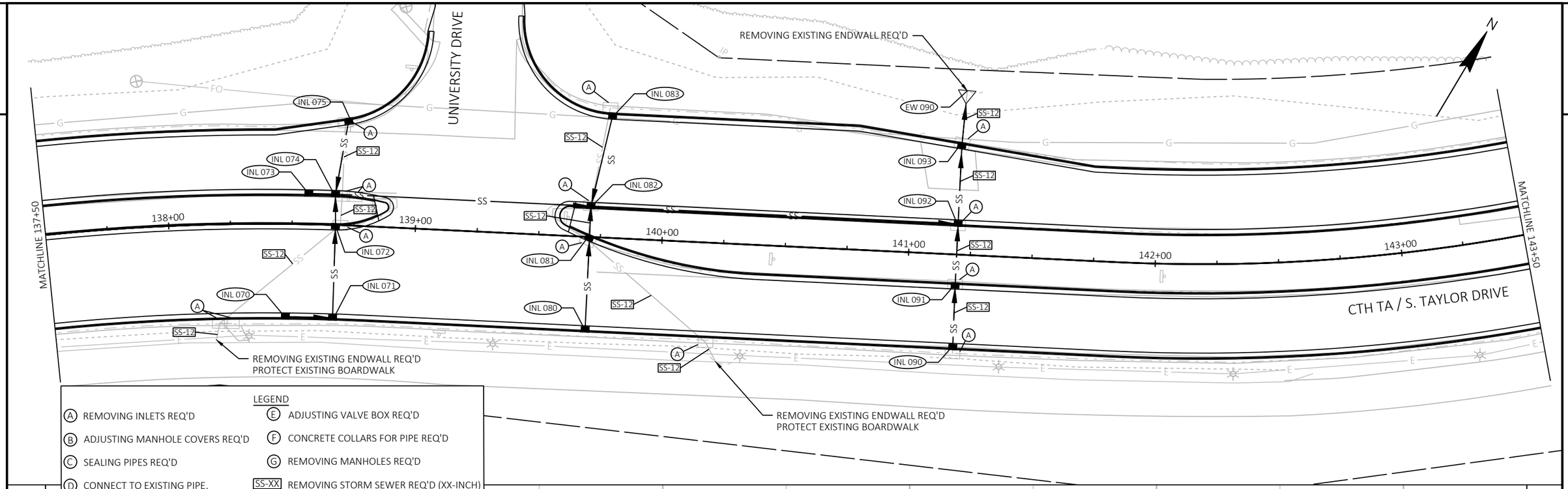
PLOT DATE : 8/28/2023 10:43 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

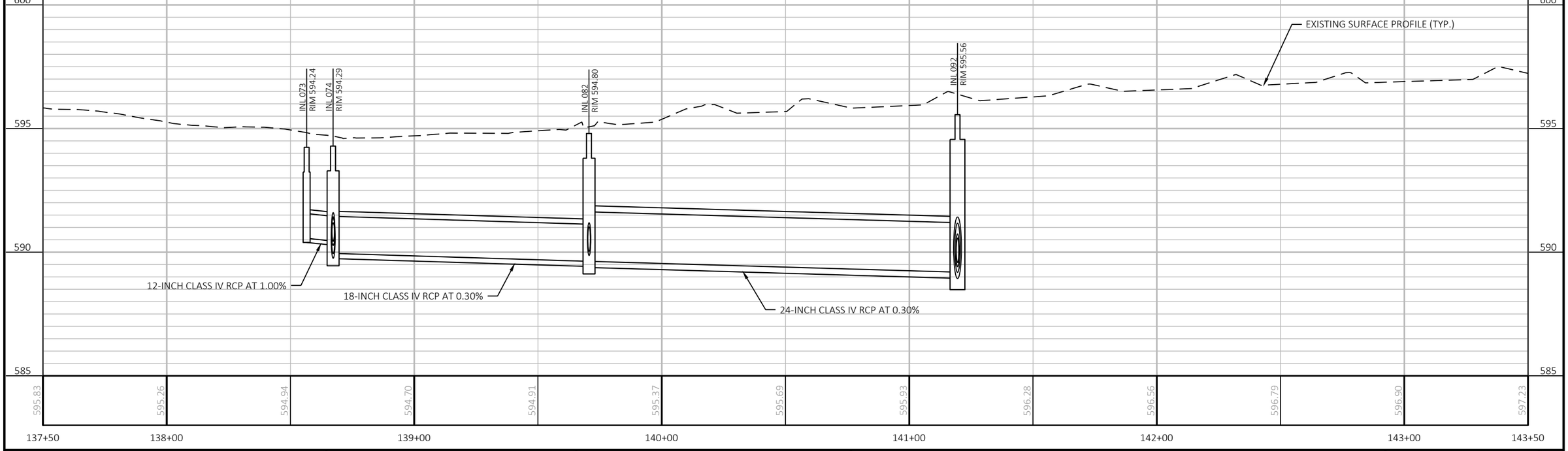


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 55	E

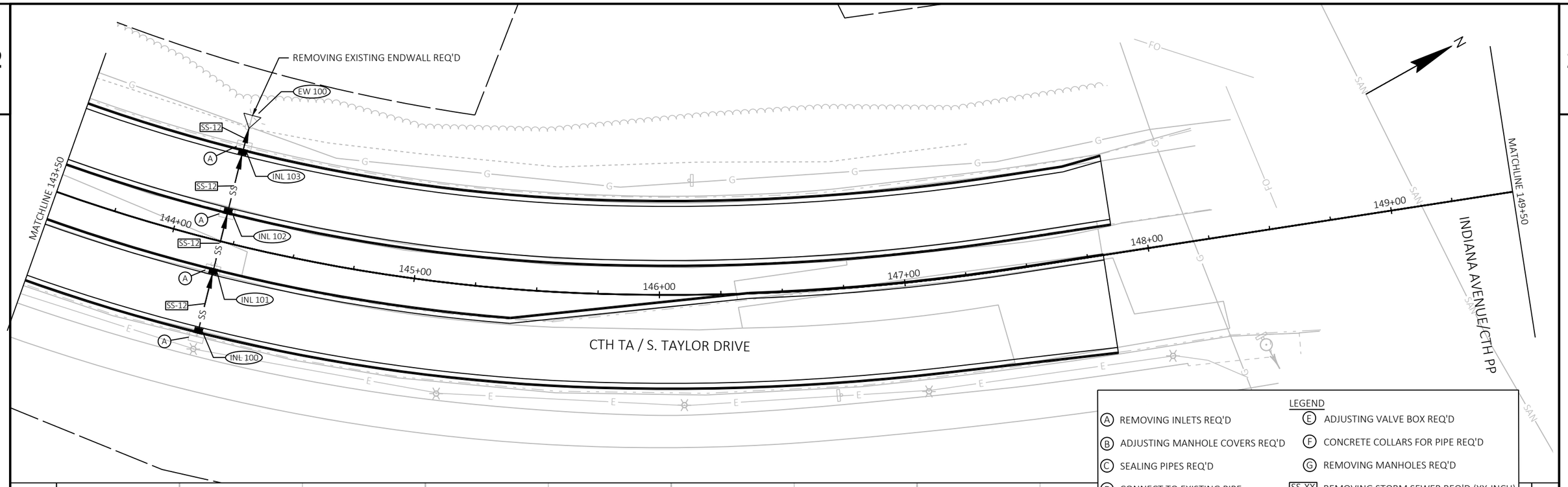
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022504_ss
PLOT DATE : 8/28/2023 10:43 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

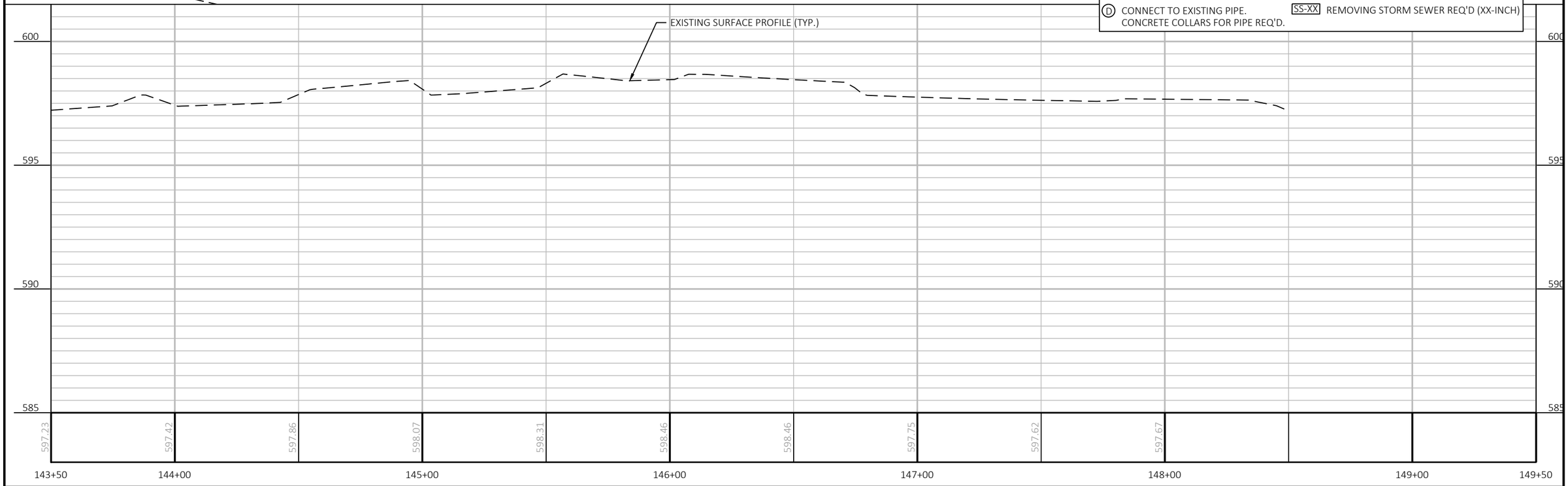
2





PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 56	E

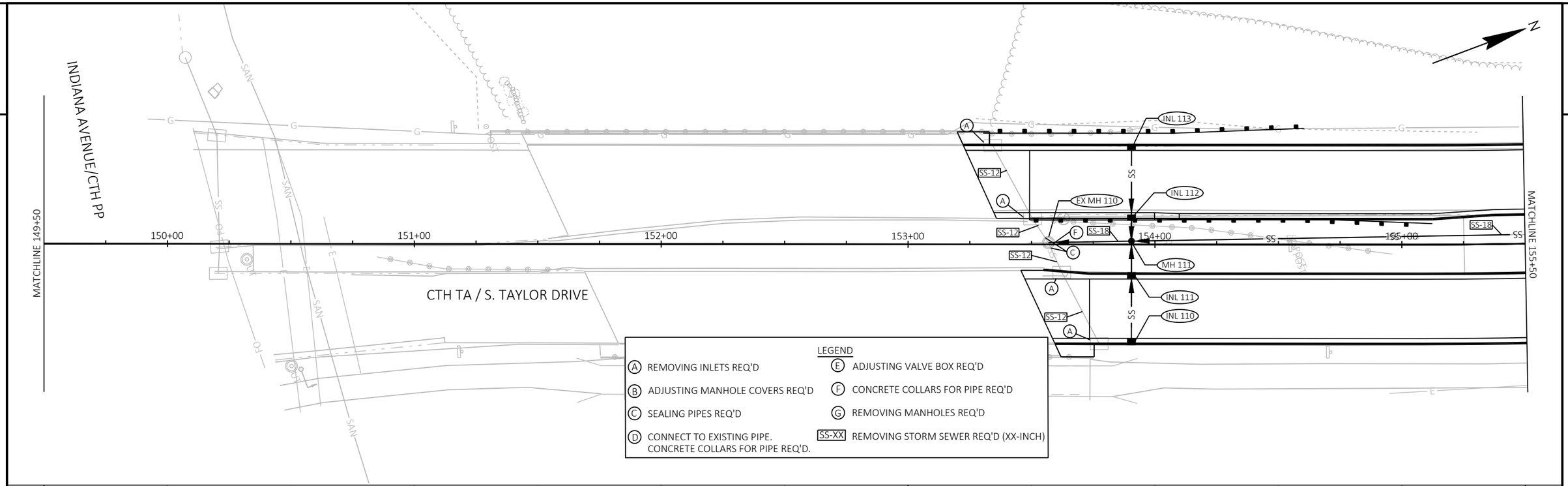


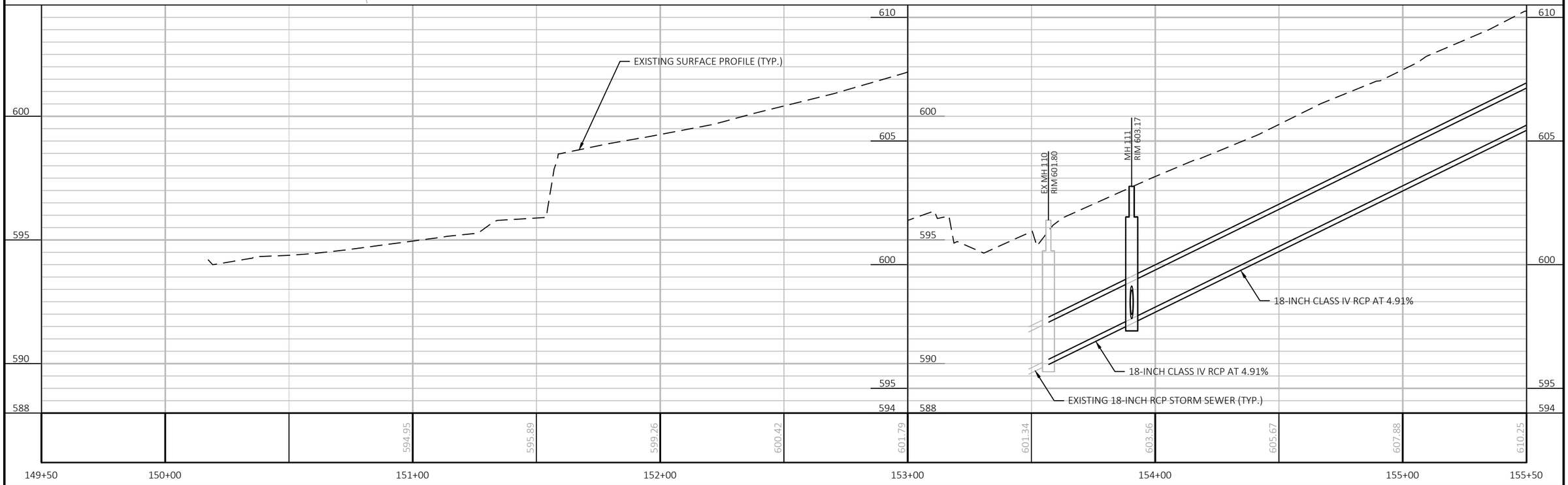


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 57	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022506_ss
PLOT DATE : 8/28/2023 10:44 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2





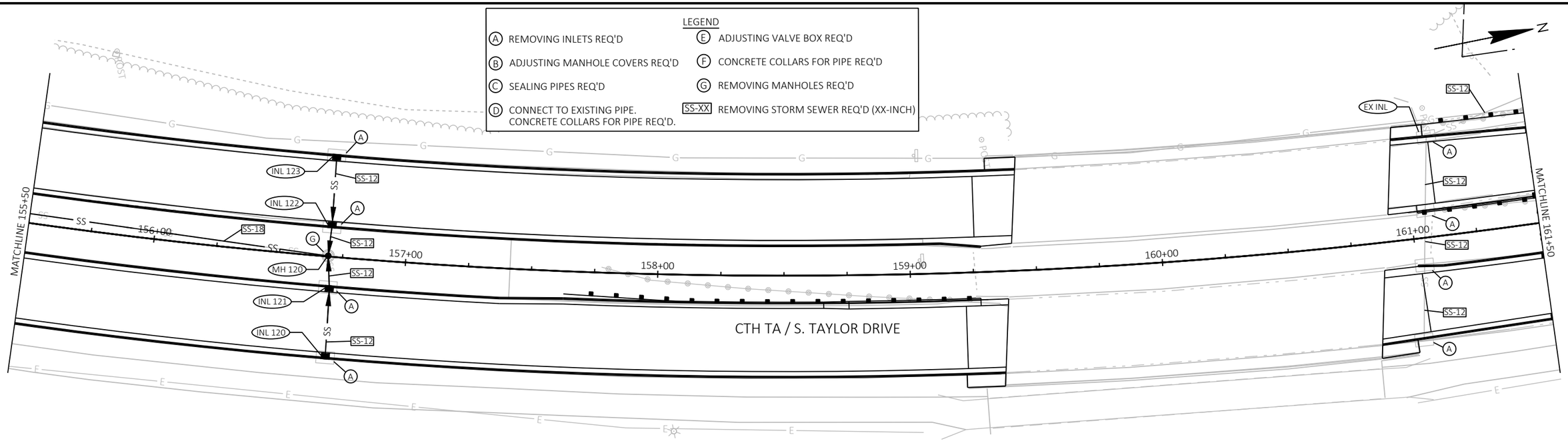
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 58	E

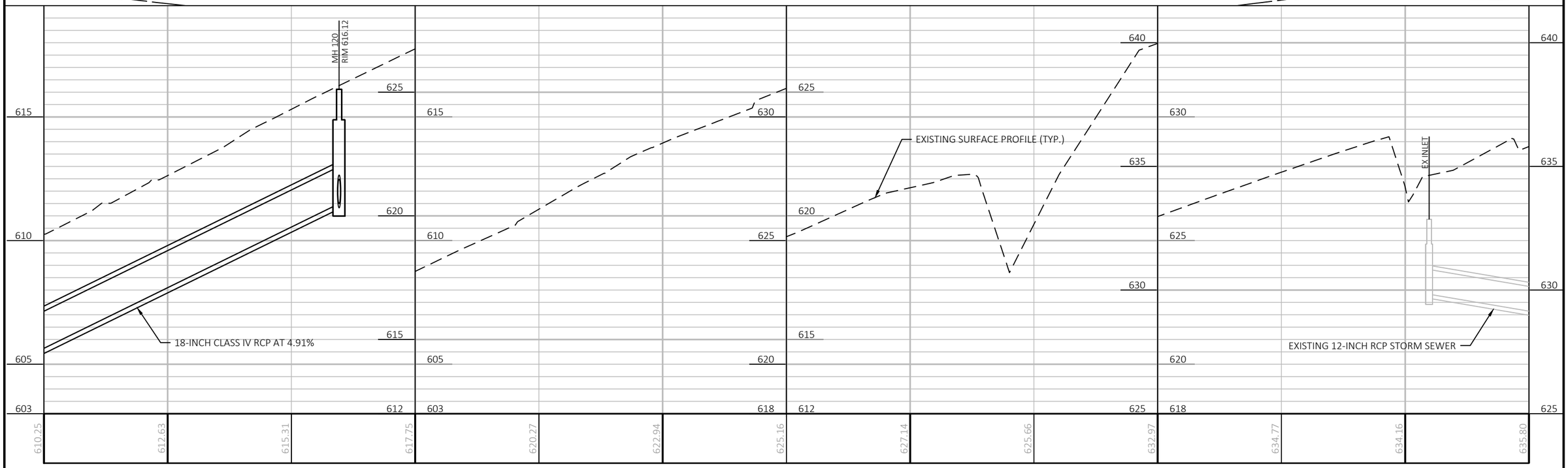
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022507_ss

PLOT DATE : 8/28/2023 10:44 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) ADJUSTING MANHOLE COVERS REQ'D
- (C) SEALING PIPES REQ'D
- (D) CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D.
- (E) ADJUSTING VALVE BOX REQ'D
- (F) CONCRETE COLLARS FOR PIPE REQ'D
- (G) REMOVING MANHOLES REQ'D
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)

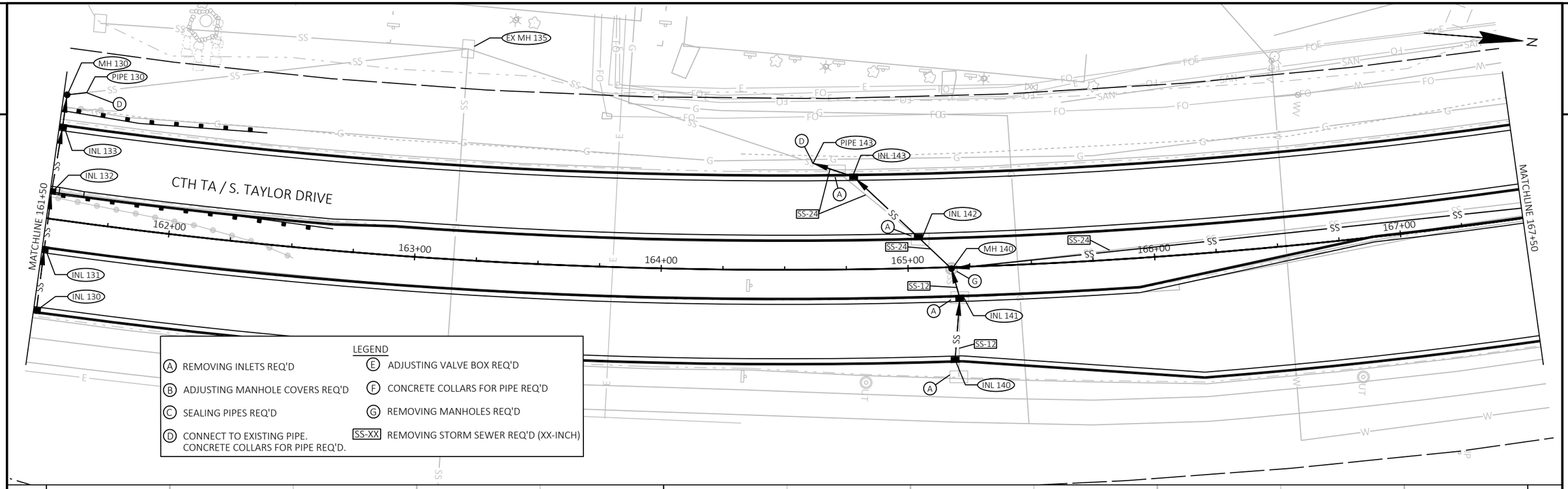


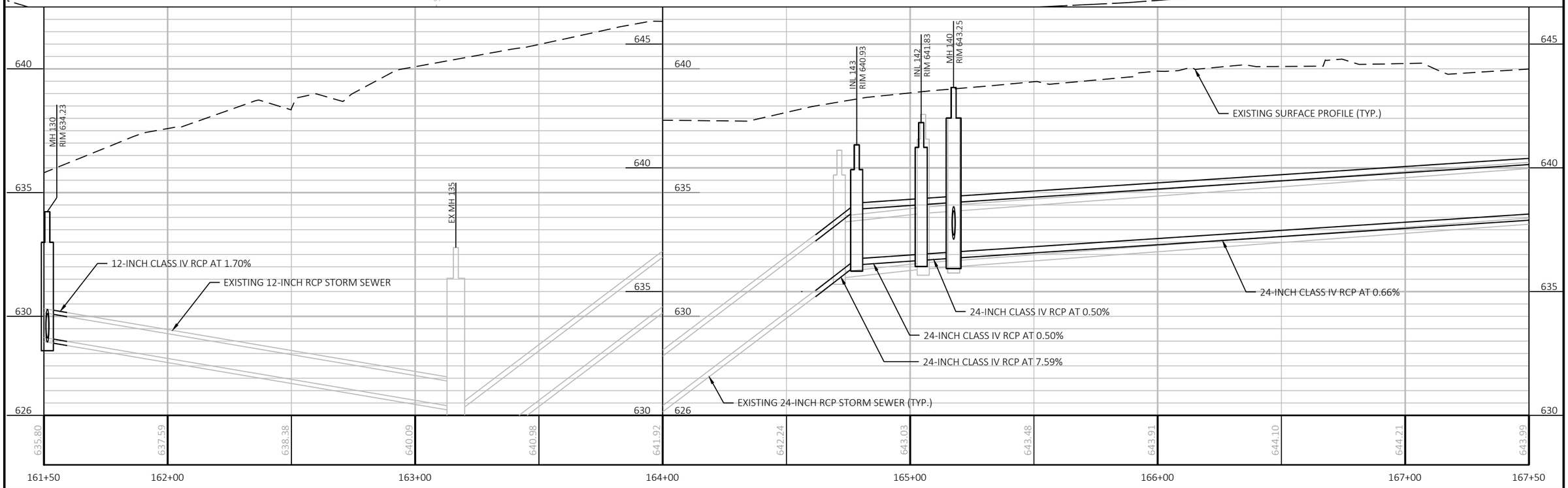


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 59	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022508_ss
PLOT DATE : 8/28/2023 10:44 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



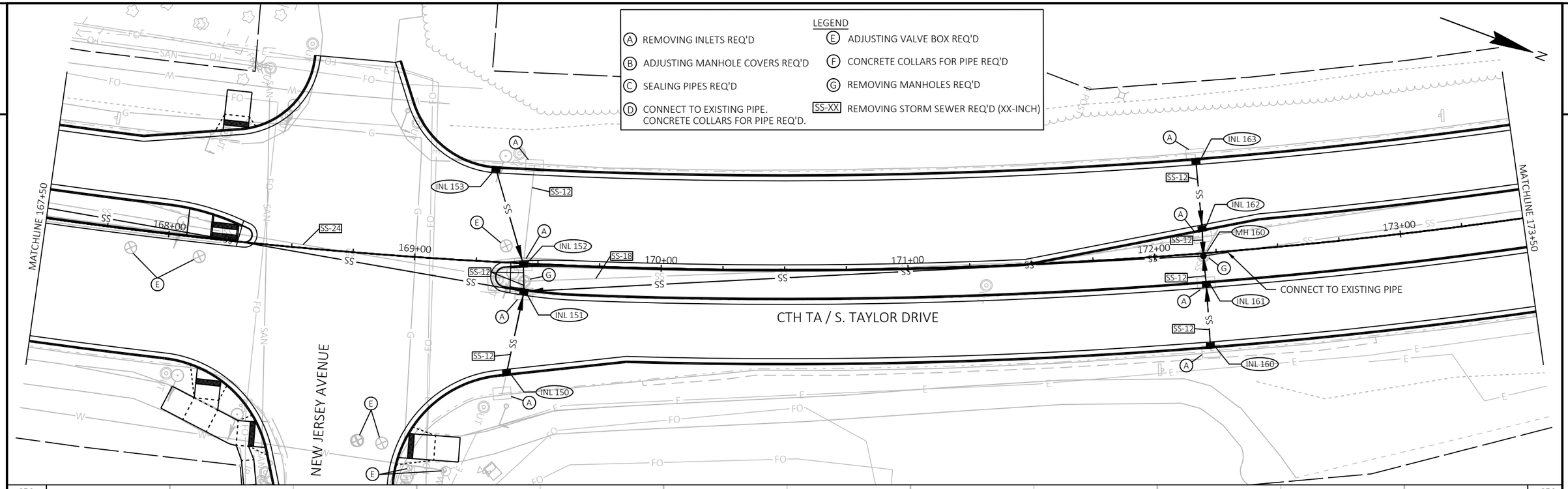


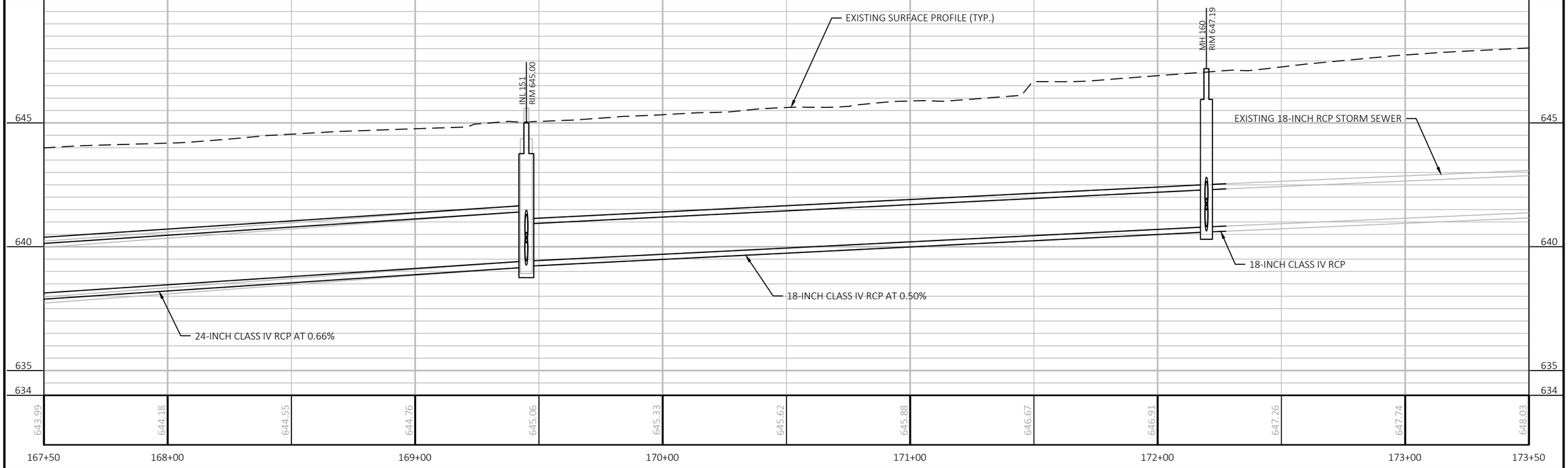
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 60	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022509_ss
PLOT DATE : 8/28/2023 10:44 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) ADJUSTING MANHOLE COVERS REQ'D
- (C) SEALING PIPES REQ'D
- (D) CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D.
- (E) ADJUSTING VALVE BOX REQ'D
- (F) CONCRETE COLLARS FOR PIPE REQ'D
- (G) REMOVING MANHOLES REQ'D
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)

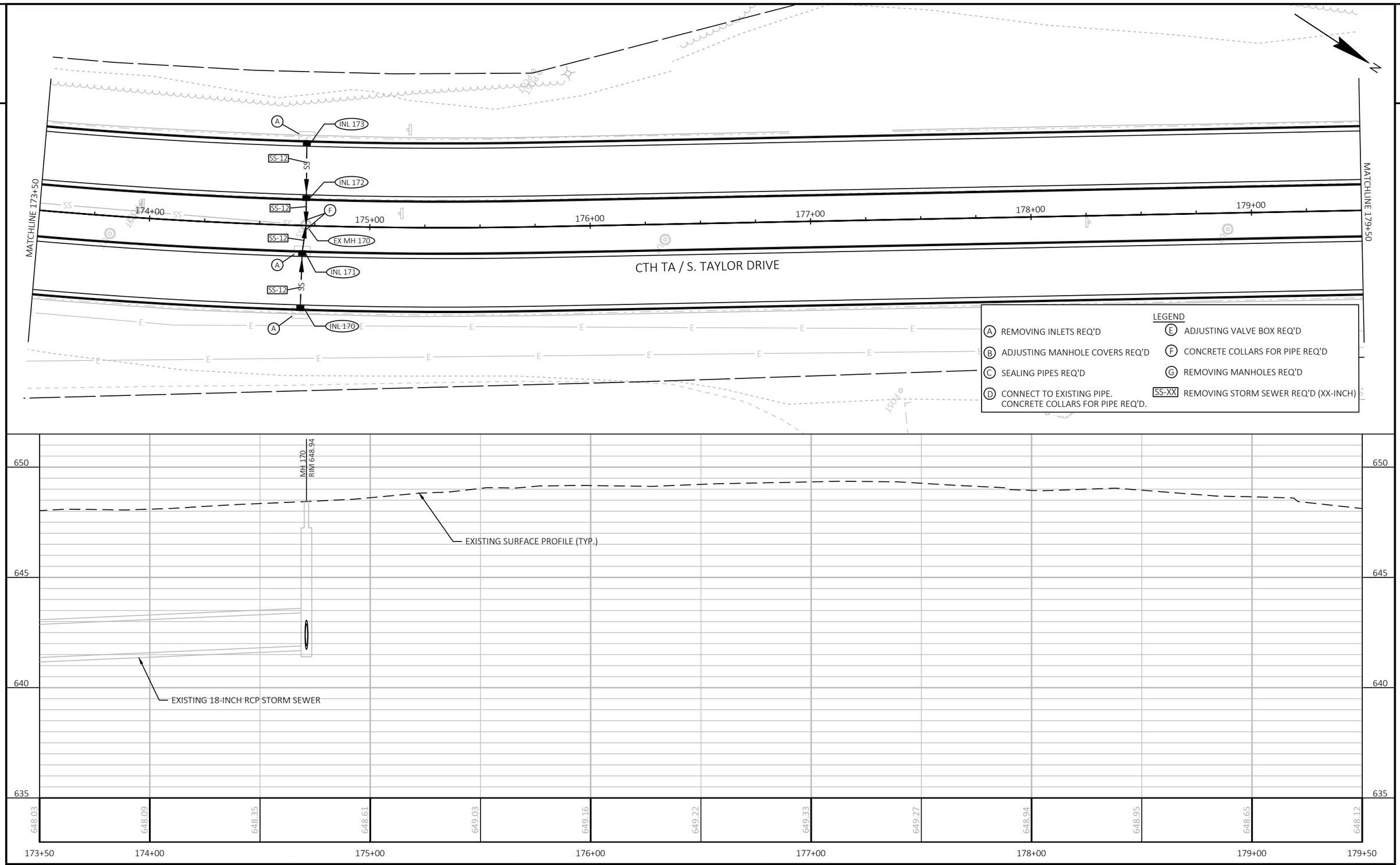




PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 61	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022510_ss
PLOT DATE : 8/28/2023 10:44 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2



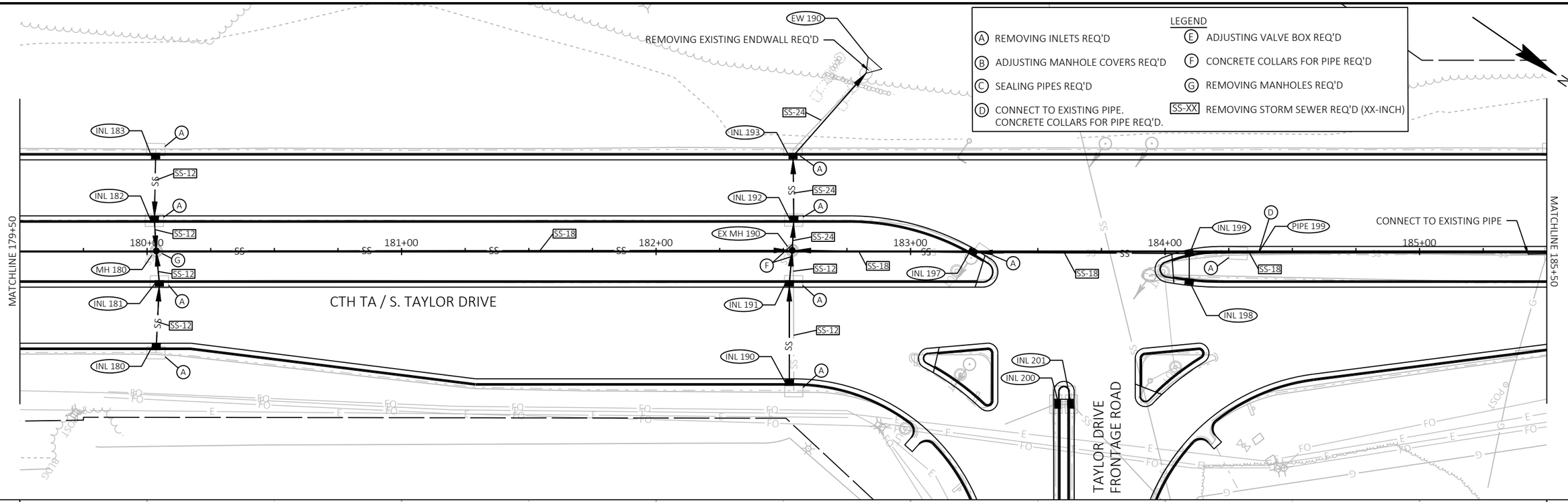
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 62	E

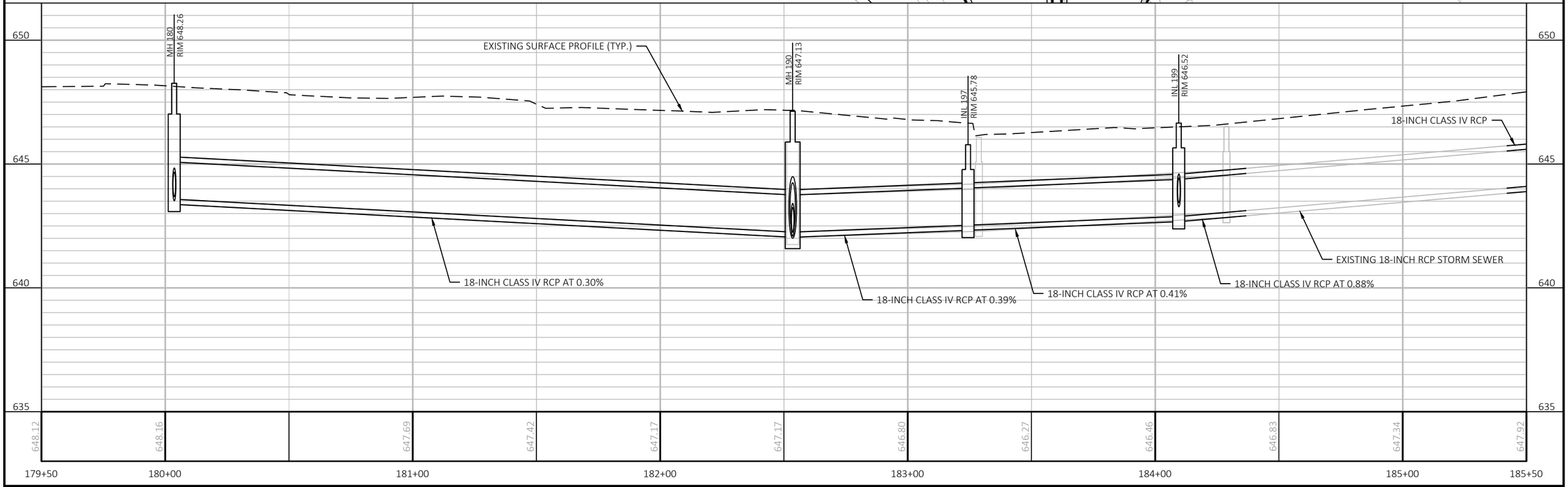
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022511_ss
PLOT DATE : 8/28/2023 10:44 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) ADJUSTING MANHOLE COVERS REQ'D
- (C) SEALING PIPES REQ'D
- (D) CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D.
- (E) ADJUSTING VALVE BOX REQ'D
- (F) CONCRETE COLLARS FOR PIPE REQ'D
- (G) REMOVING MANHOLES REQ'D
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)



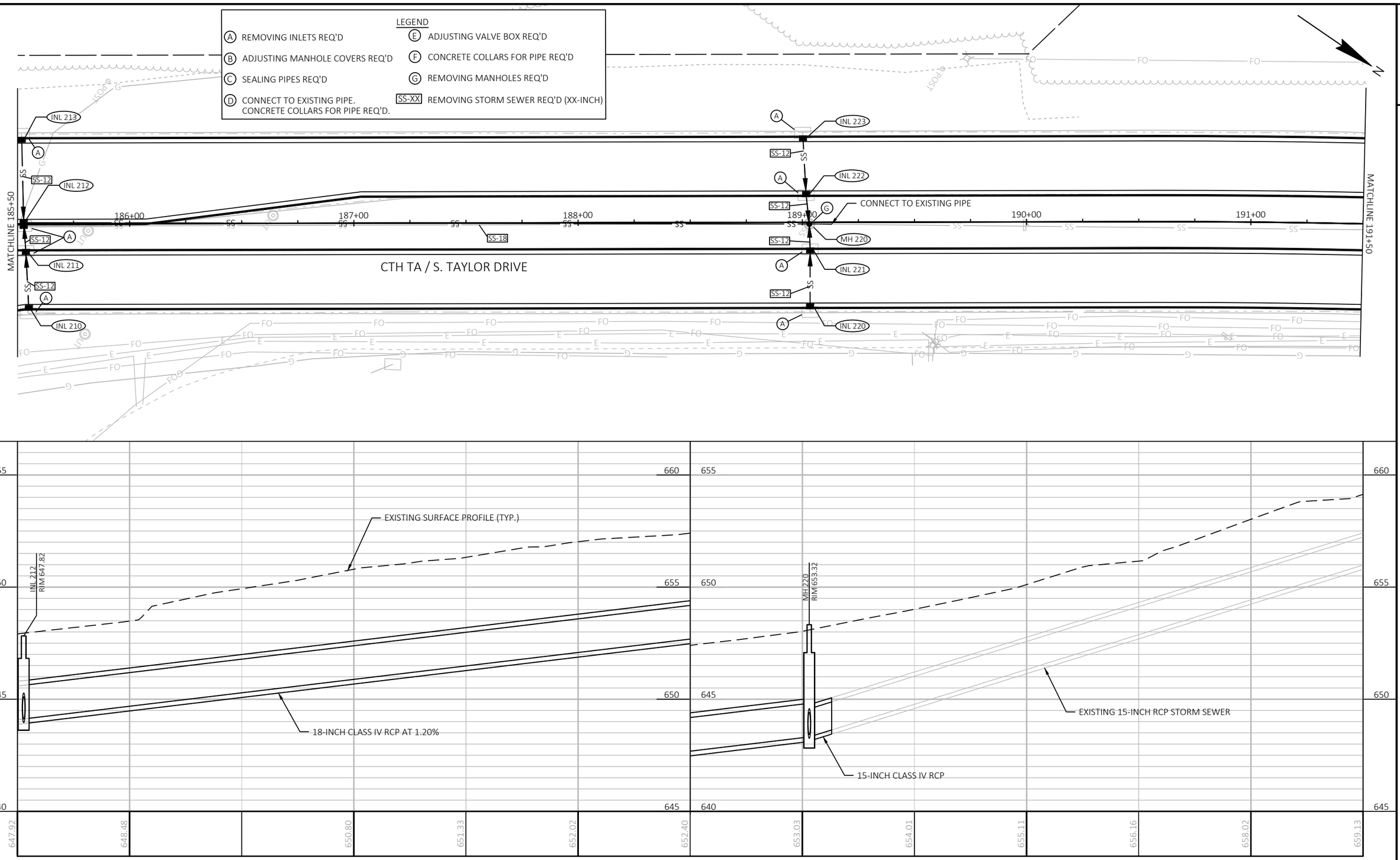


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 63	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022512_ss
PLOT DATE : 8/28/2023 10:44 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

LEGEND

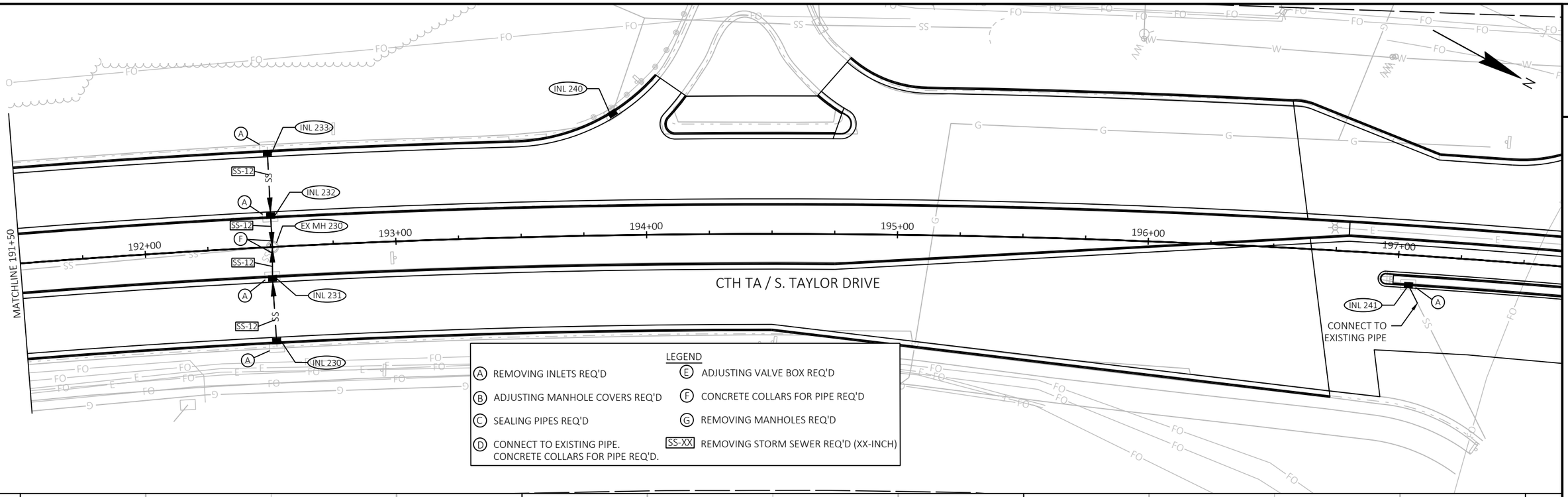
- (A) REMOVING INLETS REQ'D
- (B) ADJUSTING MANHOLE COVERS REQ'D
- (C) SEALING PIPES REQ'D
- (D) CONNECT TO EXISTING PIPE. CONCRETE COLLARS FOR PIPE REQ'D.
- (E) ADJUSTING VALVE BOX REQ'D
- (F) CONCRETE COLLARS FOR PIPE REQ'D
- (G) REMOVING MANHOLES REQ'D
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)

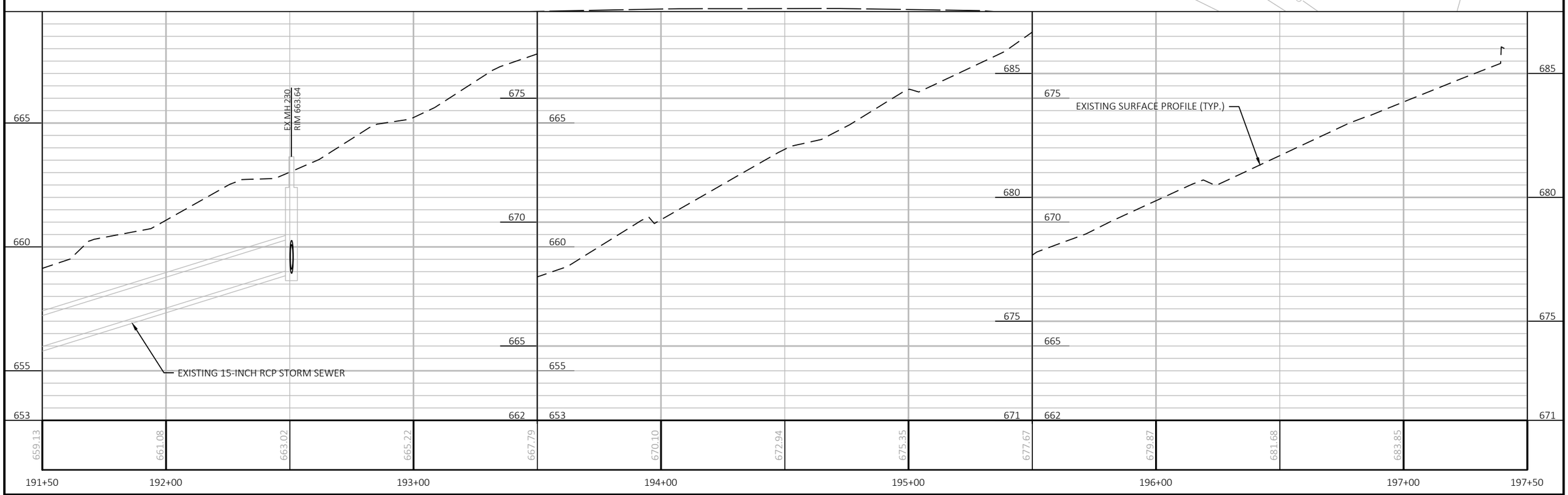


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 64	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022513_ss
PLOT DATE : 8/28/2023 10:44 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2





PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	STORM SEWER	SHEET 65	E

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 010	117+20.54	37.5 'RT	25.0	INL 011	2X3-FT	H	-	-	667.11	666.28	3.09	12	663.19	662.94	25	1.00%	
INL 011	117+20.50	12.5 'RT	12.8	EX MH 010	2X3-FT	H	-	-	667.11	666.28	3.34	12	662.94	662.81	13	1.00%	
INL 012	117+20.61	9.5 'LT	9.5	EX MH 010	2X3-FT	H	-	-	667.13	666.30	3.40	12	662.90	662.81	9	1.00%	
INL 013	117+20.58	38.8 'LT	29.3	INL 012	2X3-FT	H	-	-	667.10	666.27	3.08	12	663.19	662.90	29	1.00%	CONNECT TO EXISTING 6-INCH PVC PIPE TO WEST AT 664.58
EX MH 010	117+18.71	0.2 'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CONCRETE COLLARS FOR PIP REQ'D (2)
INL 020	120+20.28	37.5 'RT	25.0	INL 021	2X3-FT	H	-	-	660.96	660.13	4.73	12	655.40	655.15	25	1.00%	CONNECT TO EXISTING 12-INCH CPP TO EAST AT 658.06
INL 021	120+20.38	12.5 'RT	13.2	EX MH 020	2X3-FT	H	-	-	660.52	659.69	4.54	12	655.15	655.02	13	1.00%	
INL 022	120+20.05	12.5 'LT	11.8	EX MH 020	2X3-FT	H	-	-	660.46	659.63	4.49	12	655.14	655.02	12	1.00%	
INL 023	120+20.29	37.5 'LT	25.0	INL 022	2X3-FT	H	-	-	660.02	659.19	3.80	12	655.39	655.14	25	1.00%	CONNECT TO EXISTING 6-INCH PVC PIPE TO WEST AT 657.07
EX MH 020	120+20.56	0.7 'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CONCRETE COLLARS FOR PIP REQ'D (2)
INL 030	123+20.55	37.5 'RT	25.0	INL 031	2X3-FT	H	-	-	654.42	653.59	6.44	12	647.15	646.90	25	1.00%	
INL 031	123+20.33	12.5 'RT	13.2	EX MH 030	2X3-FT	H	-	-	653.59	652.76	5.86	12	646.90	646.77	13	1.00%	
INL 032	123+20.36	12.5 'LT	11.8	EX MH 030	2X3-FT	H	-	-	653.58	652.75	5.86	12	646.89	646.77	12	1.00%	
INL 033	123+20.21	37.5 'LT	25.0	INL 032	2X3-FT	H	-	-	652.75	651.92	4.78	12	647.14	646.89	25	1.00%	
EX MH 030	123+20.10	0.7 'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CONCRETE COLLARS FOR PIP REQ'D (2)
INL 040	127+20.24	37.5 'RT	25.0	INL 041	2X3-FT	H	-	-	638.30	637.47	2.78	12	634.69	634.56	25	0.50%	
INL 041	127+20.22	12.5 'RT	11.8	MH 040	2X3-FT	H	-	-	638.30	637.47	2.91	12	634.56	634.47	12	0.75%	
INL 042	127+20.07	12.5 'LT	13.2	MH 040	2X3-FT	H	-	-	638.33	637.50	2.94	12	634.56	634.47	13	0.70%	CONNECT TO EXISTING 4-INCH CPP TO SOUTHWEST AT 635.63
INL 043	127+20.08	37.5 'LT	25.0	INL 042	2X3-FT	H	-	-	638.33	637.50	2.81	12	634.69	634.56	25	0.50%	
MH 040	127+20.36	0.7 'RT	399.4	MH 050	-	-	4-FT DIAMETER	J	639.66	638.41	3.94	18	634.47	613.06	399	5.37%	CONNECT TO EXISTING 15-INCH RCP TO SOUTH AT 634.47
INL 050	131+19.66	37.5 'RT	25.0	INL 051	2X3-FT	H	-	-	618.04	617.21	3.77	12	613.44	613.19	25	1.00%	
INL 051	131+19.47	12.5 'RT	12.6	MH 050	2X3-FT	H	-	-	618.87	618.04	4.85	12	613.19	613.06	13	1.00%	
INL 052	131+20.13	12.5 'LT	25.0	INL 053	2X3-FT	H	-	-	619.28	618.45	5.79	24	612.65	611.81	25	3.38%	
INL 053	131+19.94	37.5 'LT	55.4	EW 050	2X3-FT	H	-	-	620.08	619.25	7.44	24	611.81	607.63	55	7.61%	
MH 050	131+20.80	0.1 'LT	12.4	INL 052	-	-	5-FT DIAMETER	J	620.01	618.76	5.70	24	613.06	612.65	12	3.38%	
EW 050	131+19.62	92.9 'LT	-	-	-	-	-	-	-	-	-	24	607.63	-	-	-	APRON ENDWALL FOR 24-INCH RCP REQ'D
INL 060	135+19.66	37.5 'RT	6.8	EX MH 060	2X3-FT	H	-	-	599.62	598.79	3.24	12	595.56	595.45	7	1.50%	
INL 061	135+19.88	12.5 'RT	25.0	INL 060	2X3-FT	H	-	-	600.42	599.59	3.78	12	595.81	595.56	25	1.00%	
INL 062	135+19.74	12.5 'LT	25.0	INL 061	2X3-FT	H	-	-	601.05	600.22	4.17	12	596.06	595.81	25	1.00%	
INL 063	135+19.72	37.5 'LT	25.0	INL 062	2X3-FT	H	-	-	601.85	601.02	4.71	12	596.31	596.06	25	1.00%	
EX MH 060	135+20.09	44.3 'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
INL 070	138+47.65	37.5 'RT	19.1	INL 071	2X3-FT	H-S	-	-	593.30	592.47	2.32	12	590.15	590.09	19	0.30%	
INL 071	138+67.59	37.5 'RT	37.0	INL 072	2X3-FT	H-S	-	-	593.40	592.57	2.48	12	590.09	589.98	37	0.30%	
INL 072	138+67.59	0.5 'RT	13.0	INL 074	2X3-FT	H-S	-	-	594.26	593.43	3.45	15	589.98	589.94	13	0.30%	
INL 073	138+56.51	12.5 'LT	10.8	INL 074	2X3-FT	H-S	-	-	594.24	593.41	2.86	12	590.55	590.44	11	1.00%	
INL 074	138+67.19	12.5 'LT	103.6	INL 082	4-FT DIAMETER	H-S	-	-	594.29	593.46	3.51	18	589.94	589.63	104	0.30%	
INL 075	138+71.39	42.3 'LT	30.1	INL 074	2X3-FT	H-S	-	-	594.96	594.13	3.39	12	590.74	590.44	30	1.00%	
INL 080	139+70.60	37.5 'RT	37.3	INL 081	2X3-FT	H	-	-	594.22	593.39	2.86	12	590.53	590.16	37	1.00%	
INL 081	139+70.60	0.2 'RT	12.7	INL 082	2X3-FT	H-S	-	-	594.60	593.77	3.61	12	590.16	590.03	13	1.00%	
INL 082	139+70.60	12.5 'LT	148.9	INL 092	4-FT DIAMETER	H	-	-	594.80	593.97	4.34	24	589.63	589.18	149	0.30%	
INL 083	139+77.62	49.5 'LT	37.7	INL 082	2X3-FT	H-S	-	-	594.74	593.91	3.50	12	590.41	590.03	38	1.00%	
INL 090	141+19.66	37.5 'RT	25.0	INL 091	2X3-FT	H	-	-	595.58	594.75	4.66	12	590.08	589.83	25	1.00%	
INL 091	141+19.45	12.5 'RT	25.0	INL 092	2X3-FT	H	-	-	595.42	594.59	4.75	12	589.83	589.58	25	1.00%	

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 092	141+19.49	12.5 'LT	31.8	INL 093	-	H	5-FT DIAMETER	-	595.56	594.73	5.55	24	589.18	589.09	32	0.30%	
INL 093	141+19.47	44.3 'LT	16.8	EW 090	4-FT DIAMETER	H-S	-	-	595.16	594.33	5.24	24	589.09	589.03	17	0.35%	
EW 090	141+20.36	61.1 'LT	-	-	-	-	-	-	-	-	-	24	589.03	-	-	-	APRON ENDWALL FOR 24-INCH RCP REQ'D
INL 100	144+19.80	37.5 'RT	25.0	INL 101	2X3-FT	H	-	-	597.88	597.05	5.13	12	591.92	591.67	25	1.00%	
INL 101	144+19.74	12.5 'RT	25.0	INL 102	2X3-FT	H	-	-	597.05	596.22	4.55	12	591.67	591.42	25	1.00%	
INL 102	144+19.67	12.5 'LT	25.0	INL 103	2X3-FT	H	-	-	596.94	596.11	4.69	12	591.42	591.17	25	1.00%	
INL 103	144+19.60	37.5 'LT	9.9	EW 100	2X3-FT	H	-	-	596.09	595.26	4.09	12	591.17	589.58	10	15.91%	
EW 100	144+19.76	47.4 'LT	-	-	-	-	-	-	-	-	-	12	589.58	-	-	-	APRON ENDWALL FOR 12-INCH RCP REQ'D
INL 110	153+90.46	39.5 'RT	27.0	INL 111	2X3-FT	H	-	-	601.83	601.00	2.57	12	598.43	598.16	27	1.00%	
INL 111	153+90.46	12.5 'RT	13.8	MH 111	2X3-FT	H	-	-	601.83	601.00	2.84	12	598.16	598.02	14	1.00%	
INL 112	153+90.46	10.8 'LT	9.5	MH 111	2X3-FT	H	-	-	602.16	601.33	3.21	12	598.12	598.02	10	1.00%	
INL 113	153+90.46	39.5 'LT	28.7	INL 112	2X3-FT	H	-	-	602.18	601.35	2.94	12	598.41	598.12	29	1.00%	
EX MH 110	153+56.83	0.7 'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MH 111	153+90.46	1.3 'LT	33.6	EX MH 110	-	-	4-FT DIAMETER	J	603.17	601.92	4.10	18	597.82	596.17	34	4.85%	CONCRETE COLLARS FOR PIPE REQ'D
INL 120	156+71.42	39.5 'RT	27.0	INL 121	2X3-FT	H	-	-	616.09	615.26	3.37	12	611.89	611.62	27	1.00%	
INL 121	156+70.81	12.5 'RT	12.8	MH 120	2X3-FT	H	-	-	615.46	614.63	3.01	12	611.62	611.49	13	1.00%	
INL 122	156+69.84	12.5 'LT	12.3	MH 120	2X3-FT	H	-	-	615.43	614.60	2.99	12	611.61	611.49	12	1.00%	
INL 123	156+69.38	39.5 'LT	27.0	INL 122	2X3-FT	H	-	-	614.79	613.96	2.21	12	611.75	611.61	27	0.50%	
MH 120	156+69.26	0.2 'LT	278.7	MH 111	-	-	4-FT DIAMETER	J	616.12	614.87	3.38	18	611.49	597.78	279	4.91%	
INL 130	161+51.15	37.6 'RT	25.1	INL 131	2X3-FT	H	-	-	635.61	634.78	4.79	12	629.99	629.74	25	1.00%	
INL 131	161+50.86	12.5 'RT	23.6	INL 132	2X3-FT	H	-	-	635.05	634.22	4.48	12	629.74	629.50	24	1.00%	
INL 132	161+50.58	11.1 'LT	26.4	INL 133	2X3-FT	H	-	-	634.82	633.99	4.49	12	629.50	629.24	26	1.00%	
INL 133	161+51.38	37.5 'LT	13.1	MH 130	2X3-FT	H	-	-	634.24	633.41	4.17	12	629.24	629.11	13	1.00%	
MH 130	161+51.38	50.6 'LT	8.0	PIPE 130	-	-	4-FT DIAMETER	J	634.23	632.98	3.87	12	629.11	628.97	8	1.70%	
PIPE 130	161+59.32	52.6 'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
INL 140	165+17.87	37.5 'RT	25.2	INL 141	2X3-FT	H	-	-	642.89	642.06	4.41	12	637.65	637.40	25	1.00%	
INL 141	165+20.53	12.5 'RT	12.3	MH 140	2X3-FT	H	-	-	642.37	641.54	4.14	12	637.40	637.28	12	1.00%	
INL 142	165+04.47	12.5 'LT	35.9	INL 143	4-FT DIAMETER	H	-	-	641.83	641.00	4.49	24	636.51	636.33	36	0.50%	
INL 143	164+78.42	37.5 'LT	17.3	PIPE 143	4-FT DIAMETER	H	-	-	640.93	640.10	3.77	24	636.33	635.04	17	7.59%	
MH 140	165+17.56	0.6 'RT	18.5	INL 142	-	-	5-FT DIAMETER	J	643.25	642.00	5.40	24	636.60	636.51	18	0.50%	
PIPE 143	164+61.75	43.1 'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
INL 150	169+39.61	44.7 'RT	33.7	INL 151	2X3-FT	H	-	-	645.73	644.90	5.14	12	639.76	639.42	34	1.00%	
INL 151	169+44.92	11.3 'RT	428.0	MH 140	-	H	5-FT DIAMETER	-	645.00	644.17	4.75	24	639.42	636.60	428	0.66%	
INL 152	169+44.16	0.5 'RT	10.9	INL 151	2X3-FT	H-S	-	-	644.81	643.98	4.49	12	639.49	639.42	11	0.64%	
INL 153	169+30.92	37.5 'LT	38.0	INL 152	2X3-FT	H-S	-	-	643.87	643.04	3.17	12	639.87	639.49	38	1.00%	
INL 160	172+19.70	37.5 'RT	25.0	INL 161	2X3-FT	H	-	-	646.95	646.12	4.11	12	642.01	641.76	25	1.00%	
INL 161	172+19.97	12.5 'RT	11.4	MH 160	2X3-FT	H	-	-	646.40	645.57	3.81	12	641.76	641.65	11	1.00%	
INL 162	172+20.07	9.9 'LT	11.0	MH 160	2X3-FT	H	-	-	646.04	645.21	4.30	12	640.91	640.80	11	1.00%	
INL 163	172+19.70	37.5 'LT	27.6	INL 162	2X3-FT	H	-	-	645.39	644.56	3.37	12	641.19	640.91	28	1.00%	
MH 160	172+19.70	1.1 'RT	275.6	INL 151	-	-	4-FT DIAMETER	J	647.19	645.94	5.14	18	640.80	639.42	276	0.50%	CONNECT TO EXISTING 18-INCH RCP TO NORTH AT 640.80
INL 170	174+69.56	37.5 'RT	25.0	INL 171	2X3-FT	H	-	-	647.88	647.05	4.77	12	642.28	642.03	25	1.00%	
INL 171	174+69.66	12.5 'RT	12.9	EX MH 170	2X3-FT	H	-	-	647.33	646.50	4.47	12	642.03	641.90	13	1.00%	
INL 172	174+70.82	12.5 'LT	12.2	EX MH 170	2X3-FT	H	-	-	647.48	646.65	4.63	12	642.02	641.90	12	1.00%	

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 173	174+70.34	37.5 'LT	25.0	INL 172	2X3-FT	H	-	-	646.91	646.08	3.81	12	642.27	642.02	25	1.00%	
EX MH 170	174+71.06	0.3 'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INL 180	180+03.62	37.5 'RT	25.0	INL 181	2X3-FT	H	-	-	647.20	646.37	2.58	12	643.79	643.72	25	0.30%	
INL 181	180+04.84	12.5 'RT	12.8	MH 180	2X3-FT	H	-	-	647.20	646.37	2.65	12	643.72	643.68	13	0.30%	
INL 182	180+02.88	12.5 'LT	12.3	MH 180	2X3-FT	H	-	-	647.02	646.19	2.42	12	643.78	643.68	12	0.80%	
INL 183	180+03.37	37.5 'LT	25.0	INL 182	2X3-FT	H	-	-	647.02	646.19	2.34	12	643.85	643.78	25	0.30%	
MH 180	180+03.62	0.2 'LT	249.9	MH 190	-	-	4-FT DIAMETER	J	648.26	647.01	2.41	18	644.60	643.85	250	0.30%	
INL 190	182+52.38	51.5 'RT	39.0	INL 191	2X3-FT	H-S	-	-	645.46	644.63	2.17	12	642.46	642.34	39	0.30%	
INL 191	182+52.38	12.5 'RT	13.0	MH 190	2X3-FT	H-S	-	-	645.74	644.91	2.57	12	642.34	642.25	13	0.70%	
INL 192	182+54.12	12.5 'LT	25.0	INL 193	4-FT DIAMETER	H-S	-	-	645.79	644.96	3.46	24	641.51	639.96	25	6.19%	
INL 193	182+53.84	37.5 'LT	43.3	EW 190	4-FT DIAMETER	H-S	-	-	645.79	644.96	5.00	24	639.96	639.96	43	0.00%	
MH 190	182+53.51	0.4 'LT	12.1	INL 192	-	-	5-FT DIAMETER	J	647.13	645.88	3.63	24	642.25	641.51	12	6.19%	
EW 190	182+82.46	70.0 'LT	-	-	-	-	-	-	-	-	-	24	639.96	-	-	-	APRON ENDWALL FOR 24-INCH RCP REQ'D
INL 197	183+24.35	0.3 'RT	70.8	MH 190	4-FT DIAMETER	H-S	-	-	645.78	644.95	2.42	18	642.53	642.25	71	0.39%	
INL 198	184+09.49	11.8 'RT	11.0	INL 199	2X3-FT	H-S	-	-	646.62	645.79	2.30	12	643.49	643.38	11	1.00%	
INL 199	184+09.49	0.8 'RT	85.1	INL 197	4-FT DIAMETER	H-S	-	-	646.52	645.69	2.81	18	642.88	642.53	85	0.41%	
PIPE 199	184+36.77	0.4 'RT	27.2	INL 199	-	-	-	-	-	-	-	18	643.12	642.88	27	0.88%	
INL 200	183+57.78	59.9 'RT	-	-	-	H-S	-	-	646.21	-	-	-	-	-	-	-	PROVIDE NEW CASTING
INL 201	183+62.77	59.9 'RT	-	-	-	H-S	-	-	646.33	-	-	-	-	-	-	-	PROVIDE NEW CASTING
INL 210	185+54.99	37.5 'RT	25.0	INL 211	2X3-FT	H	-	-	648.02	647.19	2.21	12	644.98	644.73	25	1.00%	
INL 211	185+53.69	12.5 'RT	13.0	INL 212	2X3-FT	H	-	-	648.01	647.18	2.45	12	644.73	644.60	13	1.00%	
INL 212	185+52.76	0.5 'LT	-	-	4-FT DIAMETER	H	-	-	647.82	647.15	3.03	18	644.12	-	-	-	CONNECT TO EXISTING 18-INCH RCP TO SOUTH AT 644.12; PROVIDE 2-INCHES OF ADJUSTING RINGS
INL 213	185+51.96	37.5 'LT	37.0	INL 212	2X3-FT	H	-	-	648.05	647.22	2.25	12	644.97	644.60	37	1.00%	
INL 220	189+03.37	37.5 'RT	25.0	INL 221	2X3-FT	H	-	-	652.18	651.35	2.75	12	648.61	648.48	25	0.50%	
INL 221	189+03.44	12.5 'RT	11.8	MH 220	2X3-FT	H	-	-	652.18	651.35	2.87	12	648.48	648.42	12	0.50%	
INL 222	189+01.67	12.5 'LT	13.3	MH 220	2X3-FT	H	-	-	652.16	651.33	2.84	12	648.49	648.42	13	0.50%	
INL 223	189+00.33	37.5 'LT	25.0	INL 222	2X3-FT	H	-	-	652.14	651.31	2.70	12	648.61	648.49	25	0.50%	
MH 220	189+03.05	0.7 'RT	350.3	INL 212	-	-	4-FT DIAMETER	J	653.32	652.07	3.75	18	648.32	644.12	350	1.20%	CONNECT TO EXISTING 15-INCH RCP TO NORTH 648.38
INL 230	192+50.44	37.5 'RT	25.0	INL 231	2X3-FT	H	-	-	662.17	661.34	2.13	12	659.21	659.14	25	0.30%	
INL 231	192+50.12	12.5 'RT	12.4	EX MH 230	2X3-FT	H	-	-	662.16	661.33	2.20	12	659.14	659.10	12	0.30%	
INL 232	192+50.68	12.5 'LT	12.6	EX MH 230	2X3-FT	H	-	-	662.24	661.41	2.27	12	659.14	659.10	13	0.30%	
INL 233	192+50.66	37.5 'LT	25.0	INL 232	2X3-FT	H	-	-	662.24	661.41	2.19	12	659.21	659.14	25	0.30%	
EX MH 230	192+50.68	0.1 'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INL 240	193+87.24	48.5 'LT	-	-	-	H	-	-	668.54	-	-	-	-	-	-	-	PROVIDE NEW CASTING
INL 241	197+04.66	12.0 'RT	-	-	2X3-FT	H	-	-	683.98	683.15	2.17	12	680.98	-	-	-	CONNECT TO EXISTING 12-INCH RCP TO NORTHWEST AT 680.98; CONTRACTOR TO VERIFY INVERT ELEVATION

AURORA MEDICAL CENTER

UNION AVENUE

CTH TA / S. TAYLOR DRIVE

R/W (TYP.)

CONNECT TO 10-INCH PVC WATER SERVICE
10-INCH 45° VERTICAL BEND
ELEV: 660.8±
CONTRACTOR TO VERIFY
STA 116+00/12.0' RT

10-INCH 45° VERTICAL BEND
ELEV: 663.85
STA 116+00/18.5' RT

REFERENCE LINE

REMOVE EXISTING TAPPING SLEEVE AND GATE VALVE

10-INCH PVC WATER MAIN

10-INCH GATE VALVE AND VALVE BOX
STA 115+99/22.5' RT

SAWCUT PRIOR TO WATER MAIN INSTALLATION (TYP.)

CONNECT TO EXISTING 16-INCH DI WATER MAIN
24-INCH x 16-INCH REDUCER
ELEV: 664.5±
CONTRACTOR TO VERIFY
STA 119+77/65.4' RT

4 LF 24-INCH DI WATER MAIN

24-INCH x 6-INCH ANCHOR TEE
TRANSITION FROM PVC TO DI
STA 119+74/64.3' RT

24-INCH BUTTERFLY VALVE AND VALVE BOX
STA 119+70/63.3' RT

24-INCH 45° BEND
STA 119+66/62.2' RT

24-INCH 45° BEND
STA 119+57/66.0' RT

CONNECT TO EXISTING 16-INCH DI WATER MAIN
16-INCH 45° BEND
ELEV: 660.7±
CONTRACTOR TO VERIFY
STA 115+68/16.2' RT

4 LF 16-INCH DI WATER MAIN

24-INCH x 16-INCH REDUCER TRANSITION FROM DI TO PVC
STA 115+71/18.2' RT

24-INCH 45° BEND
STA 115+81/24.2' RT

24-INCH BUTTERFLY VALVE AND VALVE BOX
STA 115+85/24.2' RT

24-INCH x 10-INCH ANCHOR TEE
STA 115+99/24.2' RT

24-INCH x 6-INCH ANCHOR TEE
STA 115+89/24.2' RT

6-INCH GATE VALVE AND VALVE BOX
STA 115+89/25.9' RT

FIRE HYDRANT ASSEMBLY
STA 115+89/44.6' RT
BURY LINE ELEV: 670.7±

BM 9
ELEV: 668.41

24-INCH PVC WATER MAIN

BEGIN HORIZONTAL CURVE
STA 116+79/24.4' RT

CP 60
ELEV: 666.60

MID HORIZONTAL CURVE
STA 118+22/35.3' RT

R/W (TYP.)

PROTECT EXISTING LIGHT POLE, BRACE AS NECESSARY

6-INCH GATE VALVE AND VALVE BOX
STA 119+73/65.9' RT

FIRE HYDRANT ASSEMBLY
ROTATE HEAD TO FACE ROAD
STA 119+72/71.4' RT
BURY LINE ELEV: 665.3±

PROTECT EXISTING RETAINING WALL AND FENCE

NOTE: ALL VERTICAL BENDS SHALL BE RESTRAINED 30 FEET ON EITHER SIDE OF UPPER BENDS AND 15 FEET ON EITHER SIDE OF LOWER BENDS.

EXISTING GROUND OVER PROPOSED WATER MAIN

PROPOSED GROUND OVER PROPOSED WATER MAIN

HYDRANT TO BE INSTALLED AT HIGH POINT
ELEV: 664.24

ROTATE HORIZONTAL BENDS AS NECESSARY TO ACHIEVE PROPOSED ELEVATIONS

TOP OF PROPOSED WATER MAIN

24-INCH PVC WATER MAIN

CONNECT TO 10-INCH PVC WATER SERVICE

TOP OF EX. 16-INCH WATER MAIN

PROPOSED 12-INCH STORM SEWER CROSSING

18" MIN.

INSULATION (TYP.)

EX. 15-INCH STORM SEWER

6' MIN.

HYDRANT TO BE INSTALLED AT HIGH POINT
ELEV: 658.4±

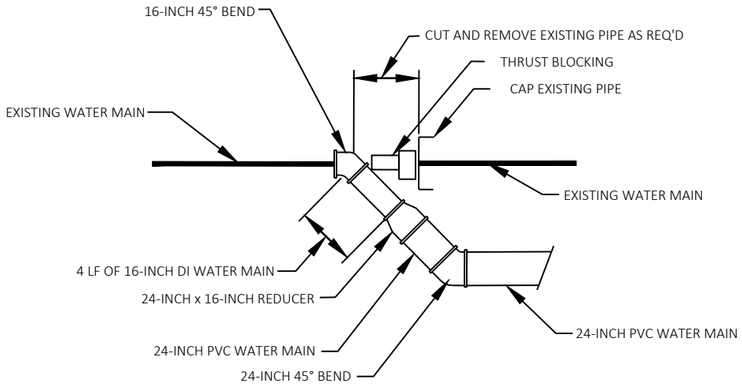
ROTATE HORIZONTAL BENDS AS NECESSARY TO ACHIEVE PROPOSED ELEVATIONS

ELEVATION OF PROPOSED GROUND OVER WATER MAIN

PROPOSED TOP OF WATER MAIN MAIN ELEVATION

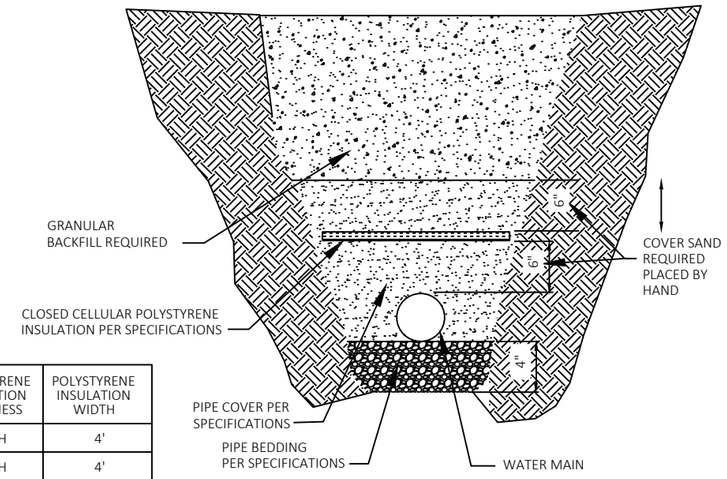
DEFLECT WATER MAIN AS NECESSARY TO ACHIEVE PROPOSED ELEVATIONS (TYP.)

| | | |



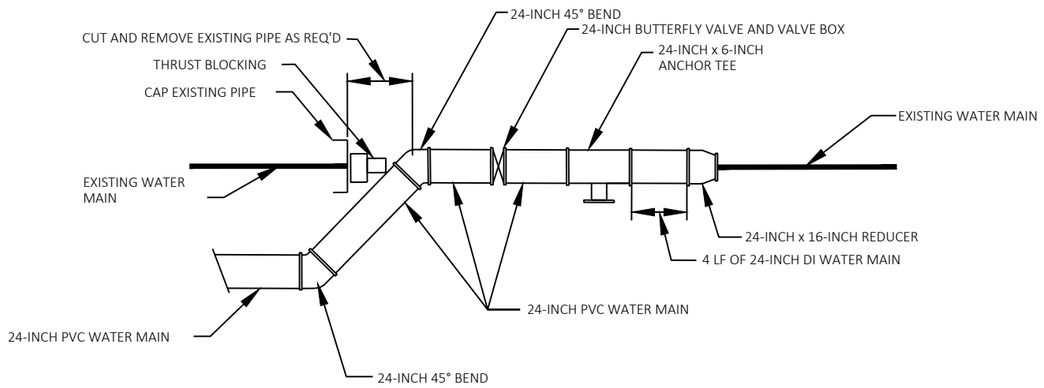
NOTE:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED.
2. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLYWRAPPED.

SOUTH CONNECTION TO EXISTING PIPE
NO SCALE



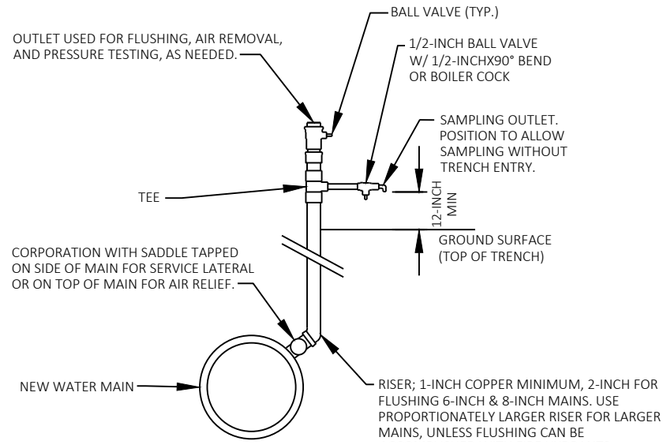
DEPTH OF COVER	POLYSTYRENE INSULATION THICKNESS	POLYSTYRENE INSULATION WIDTH
3.5'	6-INCH	4'
4.0'	5-INCH	4'
4.5'	4-INCH	4'
5.0'	3-INCH	4'
5.5'	2-INCH	4'
6.0'	NOT REQUIRED	

WATER MAIN INSULATION
NO SCALE



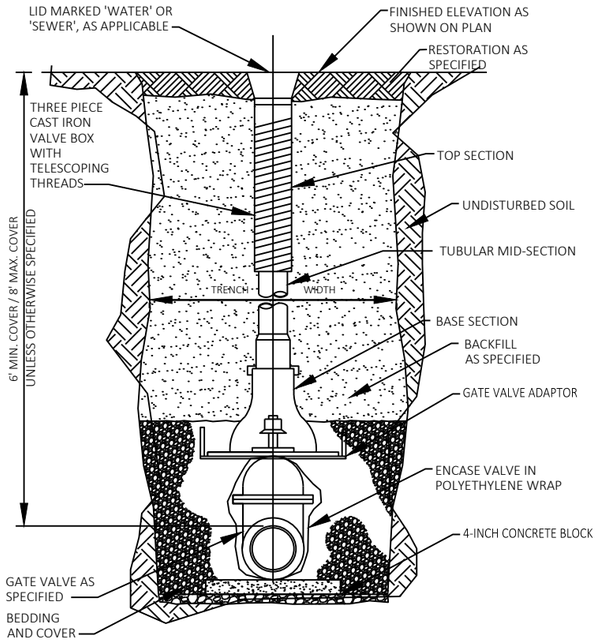
NOTE:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED.
2. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLYWRAPPED.

NORTH CONNECTION TO EXISTING PIPE
NO SCALE

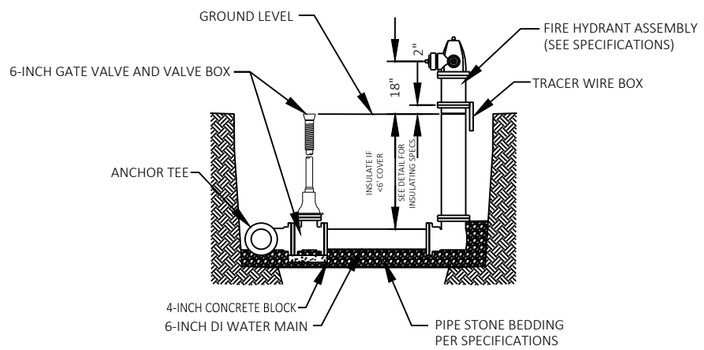


NOTE:
1. WHEN ABANDONING FOR TEMPORARY TAP OR AIR RELIEF, TURN OFF AND ABANDON CORPORATION STOP IN PLACE. REMOVE RISER AND SAMPLING ASSEMBLY.

FLUSHING OR SAMPLING ASSEMBLY (CONTRACTOR SUPPLIED)
NO SCALE

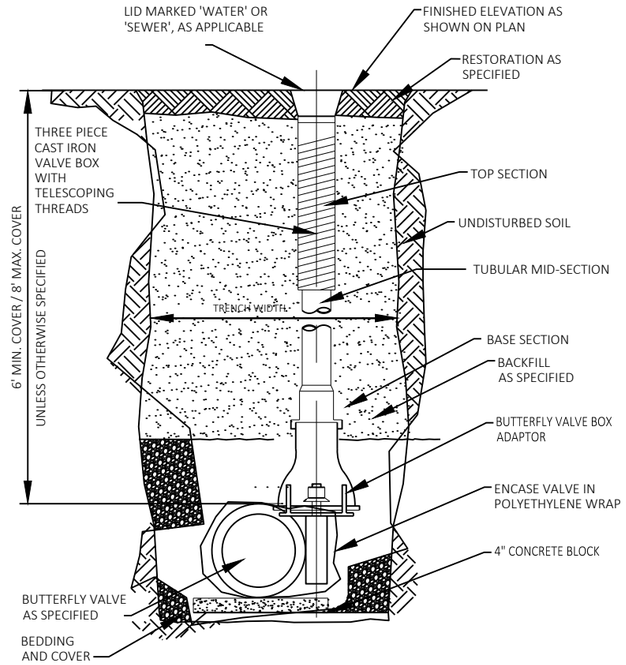


GATE VALVE AND VALVE BOX
NO SCALE



NOTE:
1. ALL JOINTS SHALL BE RESTRAINED.
2. ALL DUCTILE IRON PIPE AND HYDRANT ASSEMBLY SHALL BE POLYWRAPPED.

FIRE HYDRANT ASSEMBLY
NO SCALE

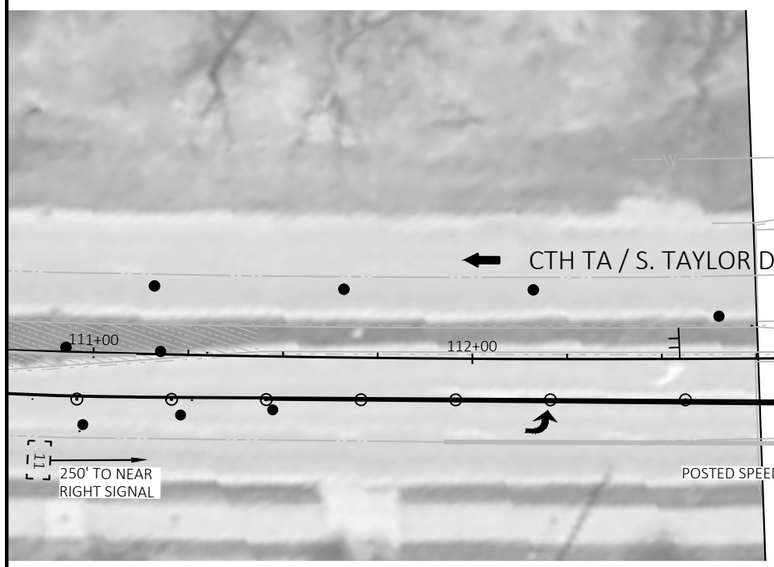


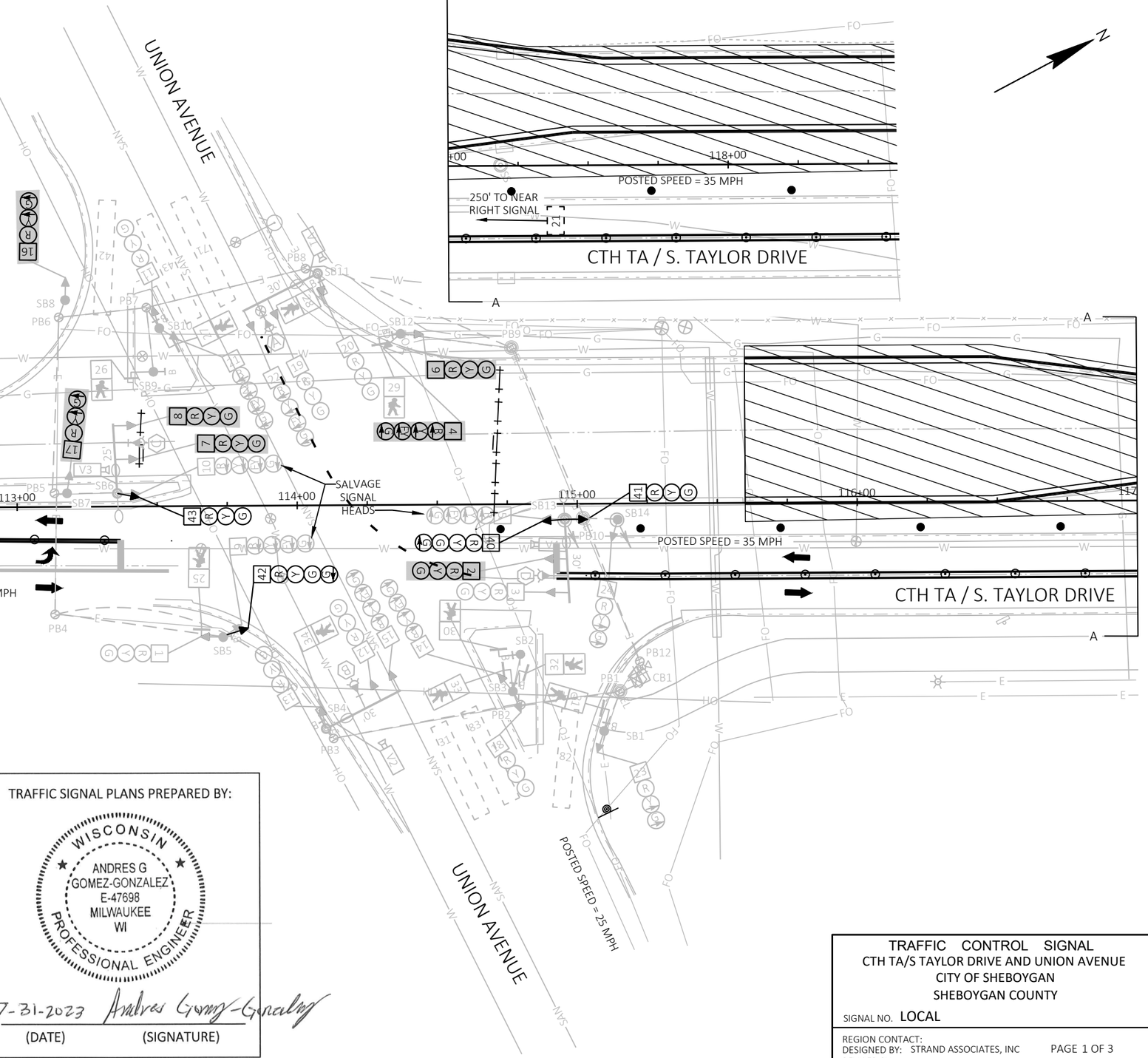
BUTTERFLY VALVE BOX SETTING
NO SCALE

2

CONSTRUCTION NOTES

1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SHEBOYGAN FIELD UNIT AT (920) 458-3444, 5 DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
2. ANY KNOCKDOWNS TO PERMANENT OR TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. SALVAGE EXISTING SIGNAL HEADS 5, 9, AND 10.
5. REPOSITION VIDEO DETECTION ZONES ON CTH TA/S. TAYLOR DRIVE FOR EACH STAGE OF CONSTRUCTION. RETURN DETECTION ZONES TO EXISTING LOCATIONS AFTER CONSTRUCTION IS COMPLETE.
6. TEMPORARY SIGNAL HEADS 40, 42, AND 43 TO BE PLACED IN SAME LOCATION AS EXISTING HEADS CALLED OUT TO BE SALVAGED. EXISTING HOLES IN SIGNAL POLES AND ARMS ARE TO BE USED TO WIRE TEMPORARY SIGNAL HEADS 40, 42, AND 43. APPROVAL FROM THE ENGINEER IS REQUIRED FOR ANY ADDITIONAL HOLES DRILLED IN SIGNAL ARMS AND POLES.
7. INTERSECTION SHALL BE ALL-WAY STOP CONTROL WHEN SWITCHING BETWEEN EXISTING AND TEMPORARY SIGNAL PHASING. SEE SPECIAL PROVISIONS FOR TIMEFRAME AND DURATION REQUIREMENTS OF ALL-WAY STOP CONTROL.





LEGEND

VIDEO DETECTION CAMERA	EVP DETECTOR HEAD
4X4 WOOD POST OR SKID	EVP DESIGNATOR
SIGNAL HEAD	WORK ZONE
SIGNAL HEAD NUMBER	BARRICADES TYPE III WITH/WITHOUT SIGN
RED CIRCULAR INDICATOR	TRAFFIC CONTROL SIGNS ON SUPPORT
YELLOW CIRCULAR INDICATOR	TRAFFIC CONTROL DRUMS
GREEN CIRCULAR INDICATOR	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
RED ARROW	TRAFFIC FLOW ARROW
YELLOW ARROW	WORK TO BE COMPLETED UNDER TRAFFIC
GREEN ARROW	TRAFFIC SIGNAL HEADS TO BE COVERED AND DE-ENERGIZED
DON'T WALK INDICATOR 16" WALK INDICATOR 16"	NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

TRAFFIC SIGNAL PLANS PREPARED BY:

WISCONSIN
ANDRES G GOMEZ-GONZALEZ
E-47698
MILWAUKEE
WI
PROFESSIONAL ENGINEER

7-31-2023 Andres Gomez-Gonzalez
(DATE) (SIGNATURE)

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND UNION AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 72	E

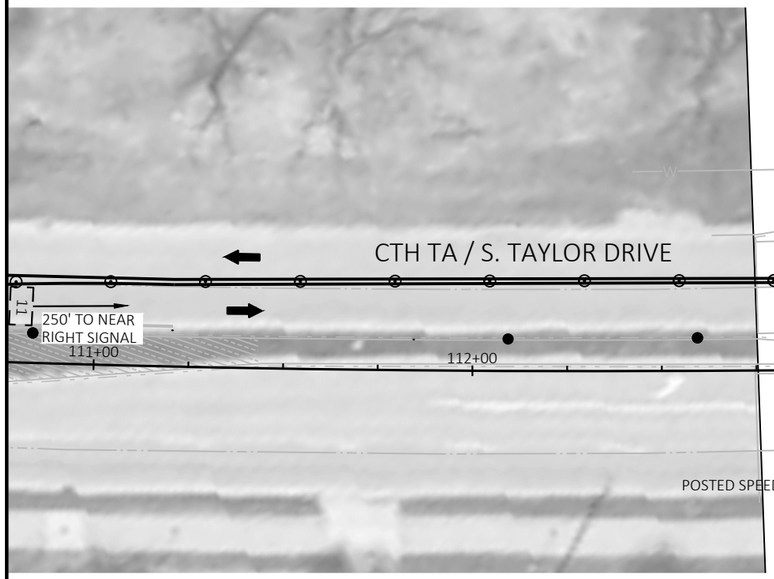
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024101_ST.DWG PLOT DATE : 7/31/2023 10:48 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :

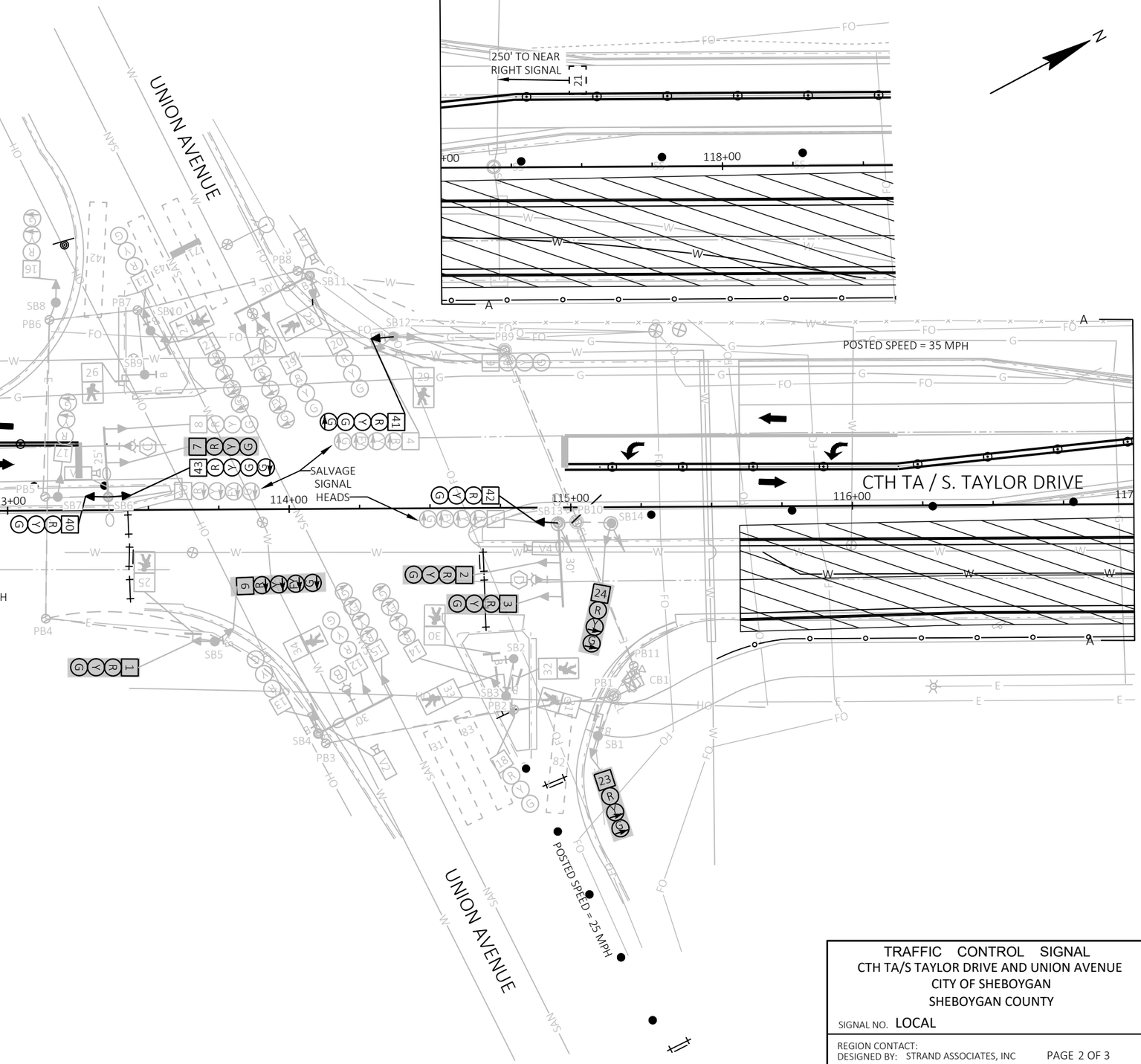
WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES

1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SHEBOYGAN FIELD UNIT AT (920) 458-3444, 5 DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
2. ANY KNOCKDOWNS TO PERMANENT OR TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. SALVAGE EXISTING SIGNAL HEADS 4, 5, AND 10.
5. REPOSITION VIDEO DETECTION ZONES ON CTH TA/S. TAYLOR DRIVE FOR EACH STAGE OF CONSTRUCTION. RETURN DETECTION ZONES TO EXISTING LOCATIONS AFTER CONSTRUCTION IS COMPLETE.
6. TEMPORARY SIGNAL HEADS 41, 42, AND 43 TO BE PLACED IN SAME LOCATION AS EXISTING HEADS CALLED OUT TO BE SALVAGED. EXISTING HOLES IN SIGNAL POLES AND ARMS ARE TO BE USED TO WIRE TEMPORARY SIGNAL HEADS 41, 42, AND 43. APPROVAL FROM THE ENGINEER IS REQUIRED FOR ANY ADDITIONAL HOLES DRILLED IN SIGNAL ARMS AND POLES.
7. TEMPORARY SIGNAL HEAD 40 TO BE WIRED USING EXISTING SIGNAL HEAD 10 HOLE UNLESS OTHERWISE APPROVED BY ENGINEER.
8. REINSTALL EXISTING SIGNAL HEADS 4, 5, 9, AND 10 IN STAGE 1 AND STAGE 2 AFTER CONSTRUCTION IS COMPLETE.





LEGEND

VX	VIDEO DETECTION CAMERA
	4X4 WOOD POST OR SKID
	SIGNAL HEAD
XX	SIGNAL HEAD NUMBER
R	RED CIRCULAR INDICATOR
Y	YELLOW CIRCULAR INDICATOR
G	GREEN CIRCULAR INDICATOR
R	RED ARROW
Y	YELLOW ARROW
G	GREEN ARROW
	DON'T WALK INDICATOR 16" WALK INDICATOR 16"

	EVP DETECTOR HEAD
X	EVP DESIGNATOR
	WORK ZONE
	BARRICADES TYPE III WITH/WITHOUT SIGN
	TRAFFIC CONTROL SIGNS ON SUPPORT
	TRAFFIC CONTROL DRUMS
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	TRAFFIC FLOW ARROW
	WORK TO BE COMPLETED UNDER TRAFFIC
	TRAFFIC SIGNAL HEADS TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND UNION AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

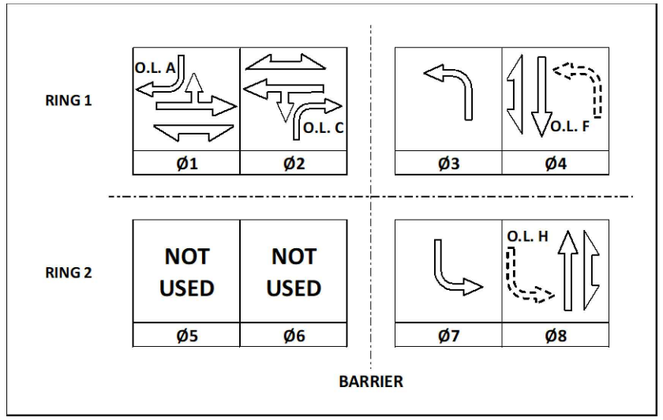
PAGE 2 OF 3

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 73	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024102_ST.DWG
PLOT DATE : 7/31/2023 10:10 AM
PLOT BY : GOMEZ-GONZALEZ, ANDRES
PLOT NAME :

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	1,3,40	R
Ø2	41,42,43	R
Ø3	21,22	R ←
Ø4	11,12,13	R
Ø7	14,15	R ←
Ø8	18,19,20	R
Ø1P	31,32,33,34	
Ø2P	27,28	
Ø4P	25,26	
Ø8P	29,30	
OLA	16,17	
OLC	23,24	
OLF	21,22	R ←
OLH	14,15	R ←



GENERAL NOTES

1. IN STAGE 1, SIGNAL HEADS 2, 4, 6, 7, 8, 16 AND 17 WILL NOT BE ACTIVE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.
2. IN STAGE 2, SIGNAL HEADS 1, 2, 3, 7, 9, 23 AND 24 WILL NOT BE ACTIVE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X		MIN	X
2	X		MIN	X
3				X
4		8		X
5				
6				
7				X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	8 + 3	4 +7	2	1

AFTER PREEMPTION SEQUENCE 1, CONTROLLER SHALL RETURN TO PHASE 1.
AFTER PREEMPTION SEQUENCE 2, CONTROLLER SHALL RETURN TO PHASE 2.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION		
NONE		X
TBC		
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	31	42	71	82			
CALLED PHASE	1	3	4	7	8			
CALL OPTION	X	X	X	X	X			
DELAY TIME			X		X			
EXTENTION OPTION	X	X	X	X	X			
EXTEND TIME	X							
USE ADDED INITIAL								
CROSS SWITCH PHASE		4		8				

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	21	41	43	81	83			
CALLED PHASE	2	4	4	8	8			
CALL OPTION	X		X		X			
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X			
EXTEND TIME	X	X		X				
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND UNION AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

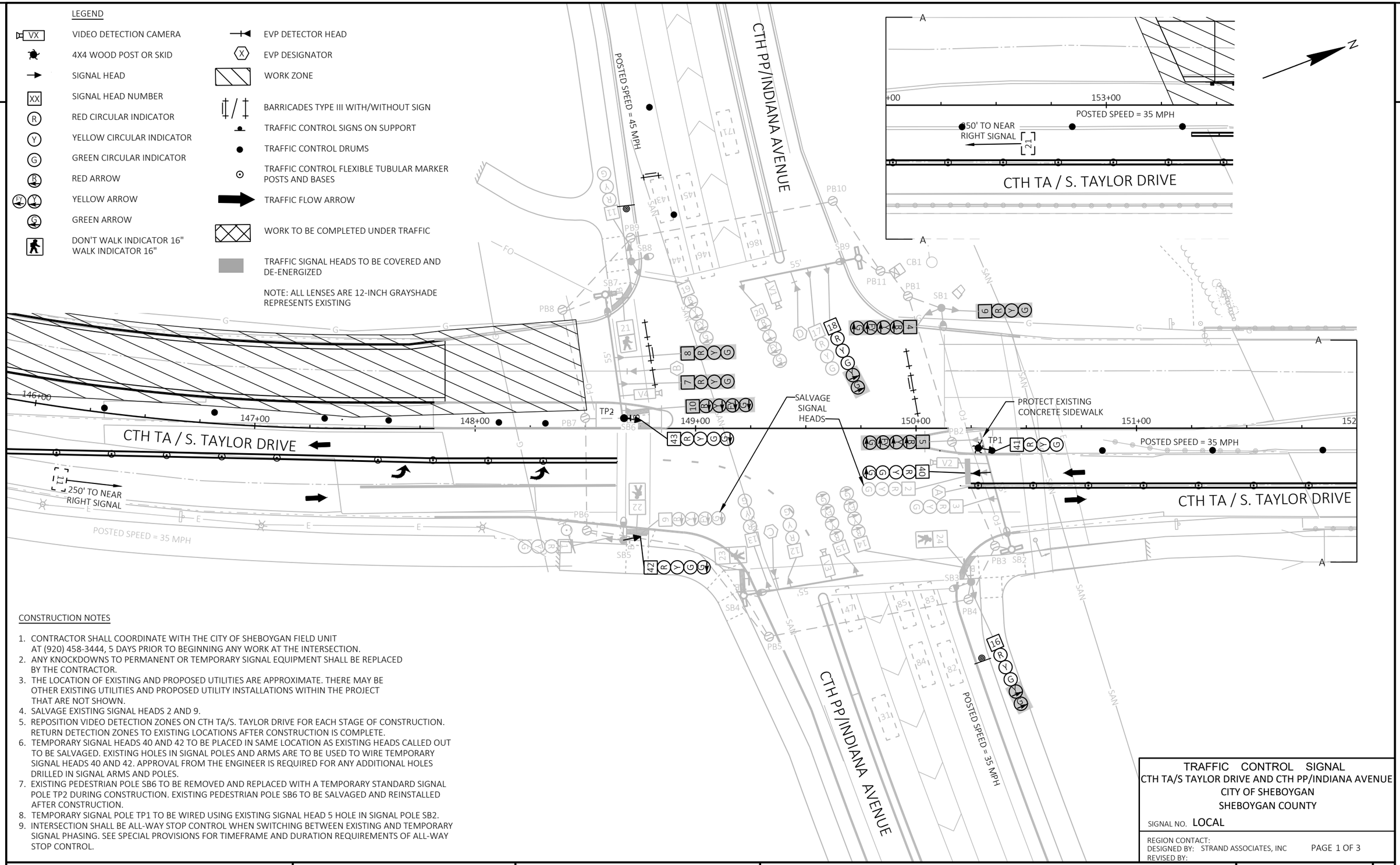
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY SEQUENCE OF OPERATIONS - STAGE 1 AND 2	SHEET 74	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024101_ST.DWG PLOT DATE : 7/31/2023 10:10 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :
WISDOT/CADDS SHEET 42

LEGEND

- VX — VIDEO DETECTION CAMERA
- 4X4 WOOD POST OR SKID
- SIGNAL HEAD
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- FY Y — YELLOW ARROW
- G — GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- EVP DETECTOR HEAD
- X — EVP DESIGNATOR
- WORK ZONE
- BARRICADES TYPE III WITH/WITHOUT SIGN
- TRAFFIC CONTROL SIGNS ON SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
- TRAFFIC FLOW ARROW
- WORK TO BE COMPLETED UNDER TRAFFIC
- TRAFFIC SIGNAL HEADS TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SHEBOYGAN FIELD UNIT AT (920) 458-3444, 5 DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
2. ANY KNOCKDOWNS TO PERMANENT OR TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. SALVAGE EXISTING SIGNAL HEADS 2 AND 9.
5. REPOSITION VIDEO DETECTION ZONES ON CTH TA/S. TAYLOR DRIVE FOR EACH STAGE OF CONSTRUCTION. RETURN DETECTION ZONES TO EXISTING LOCATIONS AFTER CONSTRUCTION IS COMPLETE.
6. TEMPORARY SIGNAL HEADS 40 AND 42 TO BE PLACED IN SAME LOCATION AS EXISTING HEADS CALLED OUT TO BE SALVAGED. EXISTING HOLES IN SIGNAL POLES AND ARMS ARE TO BE USED TO WIRE TEMPORARY SIGNAL HEADS 40 AND 42. APPROVAL FROM THE ENGINEER IS REQUIRED FOR ANY ADDITIONAL HOLES DRILLED IN SIGNAL ARMS AND POLES.
7. EXISTING PEDESTRIAN POLE SB6 TO BE REMOVED AND REPLACED WITH A TEMPORARY STANDARD SIGNAL POLE TP2 DURING CONSTRUCTION. EXISTING PEDESTRIAN POLE SB6 TO BE SALVAGED AND REINSTALLED AFTER CONSTRUCTION.
8. TEMPORARY SIGNAL POLE TP1 TO BE WIRED USING EXISTING SIGNAL HEAD 5 HOLE IN SIGNAL POLE SB2.
9. INTERSECTION SHALL BE ALL-WAY STOP CONTROL WHEN SWITCHING BETWEEN EXISTING AND TEMPORARY SIGNAL PHASING. SEE SPECIAL PROVISIONS FOR TIMEFRAME AND DURATION REQUIREMENTS OF ALL-WAY STOP CONTROL.

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND CTH PP/INDIANA AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 75	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024101_ST.DWG PLOT DATE : 7/31/2023 11:18 AM PLOT BY : ANDERSON, ERIC PLOT NAME :

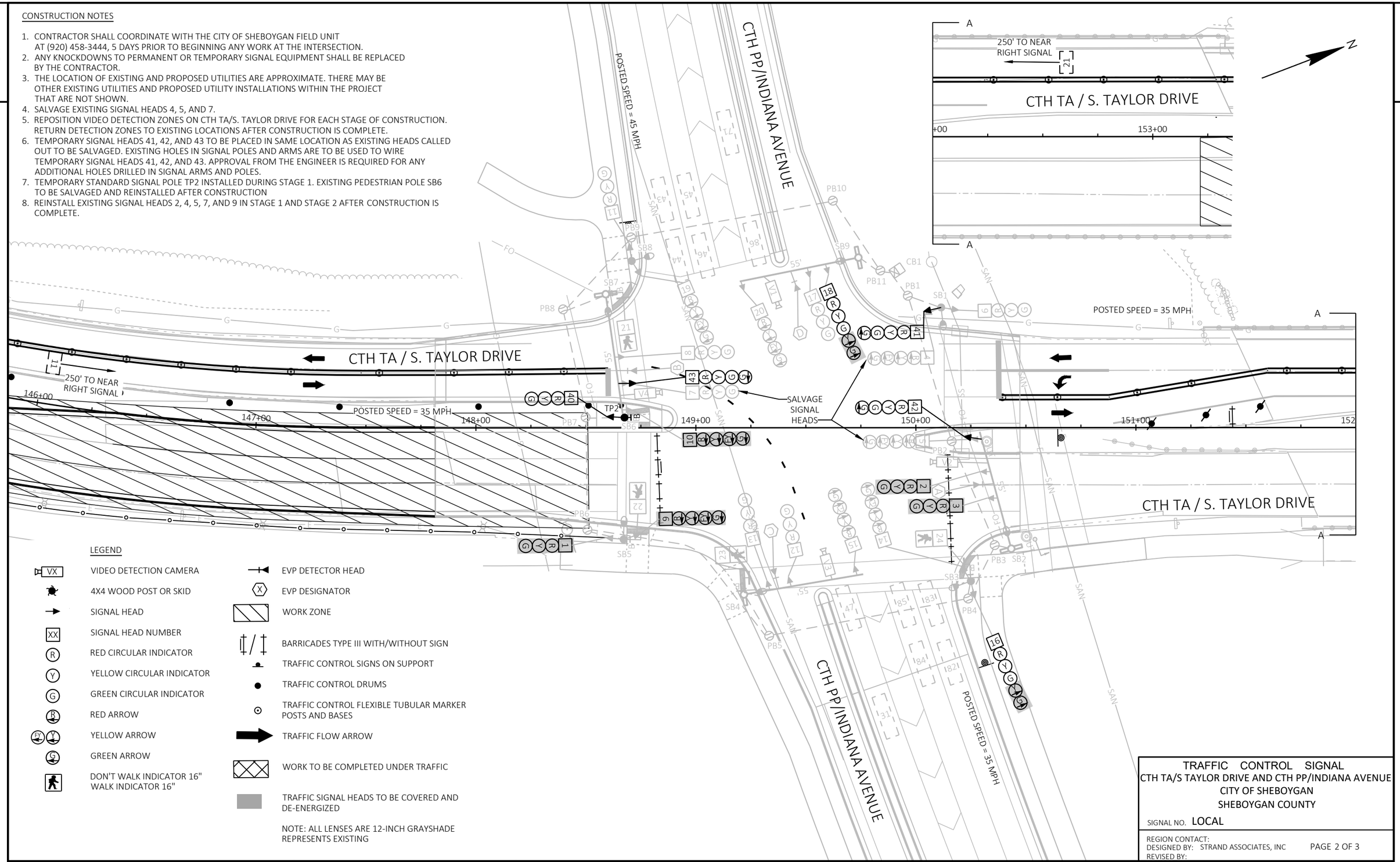
WISDOT/CADDS SHEET 42

2

2

CONSTRUCTION NOTES

1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SHEBOYGAN FIELD UNIT AT (920) 458-3444, 5 DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
2. ANY KNOCKDOWNS TO PERMANENT OR TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. SALVAGE EXISTING SIGNAL HEADS 4, 5, AND 7.
5. REPOSITION VIDEO DETECTION ZONES ON CTH TA/S. TAYLOR DRIVE FOR EACH STAGE OF CONSTRUCTION. RETURN DETECTION ZONES TO EXISTING LOCATIONS AFTER CONSTRUCTION IS COMPLETE.
6. TEMPORARY SIGNAL HEADS 41, 42, AND 43 TO BE PLACED IN SAME LOCATION AS EXISTING HEADS CALLED OUT TO BE SALVAGED. EXISTING HOLES IN SIGNAL POLES AND ARMS ARE TO BE USED TO WIRE TEMPORARY SIGNAL HEADS 41, 42, AND 43. APPROVAL FROM THE ENGINEER IS REQUIRED FOR ANY ADDITIONAL HOLES DRILLED IN SIGNAL ARMS AND POLES.
7. TEMPORARY STANDARD SIGNAL POLE TP2 INSTALLED DURING STAGE 1. EXISTING PEDESTRIAN POLE SB6 TO BE SALVAGED AND REINSTALLED AFTER CONSTRUCTION
8. REINSTALL EXISTING SIGNAL HEADS 2, 4, 5, 7, AND 9 IN STAGE 1 AND STAGE 2 AFTER CONSTRUCTION IS COMPLETE.



LEGEND

- VX — VIDEO DETECTION CAMERA
- 4X4 WOOD POST OR SKID
- SIGNAL HEAD
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RA — RED ARROW
- FY / Y — YELLOW ARROW
- G — GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- EVP DETECTOR HEAD
- X — EVP DESIGNATOR
- WORK ZONE
- BARRICADES TYPE III WITH/WITHOUT SIGN
- TRAFFIC CONTROL SIGNS ON SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
- TRAFFIC FLOW ARROW
- WORK TO BE COMPLETED UNDER TRAFFIC
- TRAFFIC SIGNAL HEADS TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND CTH PP/INDIANA AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

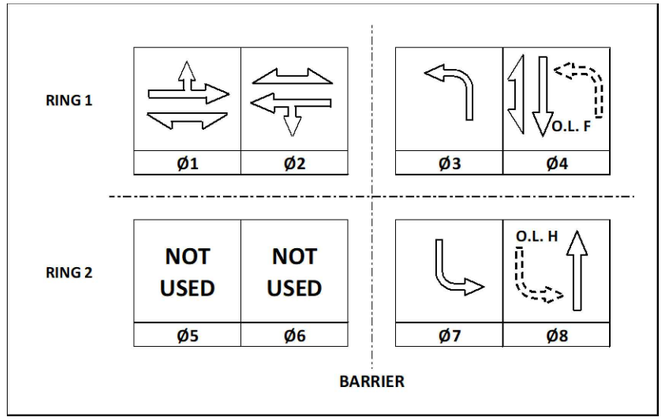
PAGE 2 OF 3

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 76	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024102_ST.DWG PLOT DATE : 7/31/2023 10:11 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	1,3,40	R
Ø2	41,42,43	R
Ø3	19,20	R ←
Ø4	11,12,13	R
Ø7	14,15	R ←
Ø8	16,17,18	R
Ø1P	23,24	
Ø4P	21,22	
OLF	19,20	R ←
OLH	14,15	R ←



GENERAL NOTES

1. IN STAGE 1, SIGNAL HEADS 4, 5, 6, 7, 8, AND 10 WILL NOT BE ACTIVE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.
2. IN STAGE 2, SIGNAL HEADS 1, 2, 3, 9, AND 10 WILL NOT BE ACTIVE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.
3. COVER THE YELLOW AND RED ARROWS FOR SIGNAL HEADS 16 AND 18 DURING CONSTRUCTION.

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X		MIN	X
2	X		MIN	X
3				X
4		8		X
5				
6				
7				X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	1	2	4+7	8+3

AFTER PREEMPTION SEQUENCE 1, CONTROLLER SHALL RETURN TO PHASE 1.

AFTER PREEMPTION SEQUENCE 2, CONTROLLER SHALL RETURN TO PHASE 2.

AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	31	42	44	46	71	82	84
CALLED PHASE	1	3	4	4	4	7	8	8
CALL OPTION	X	X		X	X	X	X	X
DELAY TIME				X			X	
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME	X		X					
USE ADDED INITIAL								
CROSS SWITCH PHASE		4				8		

19	17	23	21	27	25	31	29	DETECTOR INPUT
86								PLAN LOOP DETECTOR*(S)
8								CALLED PHASE
X								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	21	41	43	45	47	81	83	85
CALLED PHASE	2	4	4	4	4	8	8	8
CALL OPTION	X		X	X	X		X	X
DELAY TIME			X				X	
EXTENTION OPTION	X	X	X	X		X	X	X
EXTEND TIME	X	X				X		
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND CTH PP/INDIANA AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

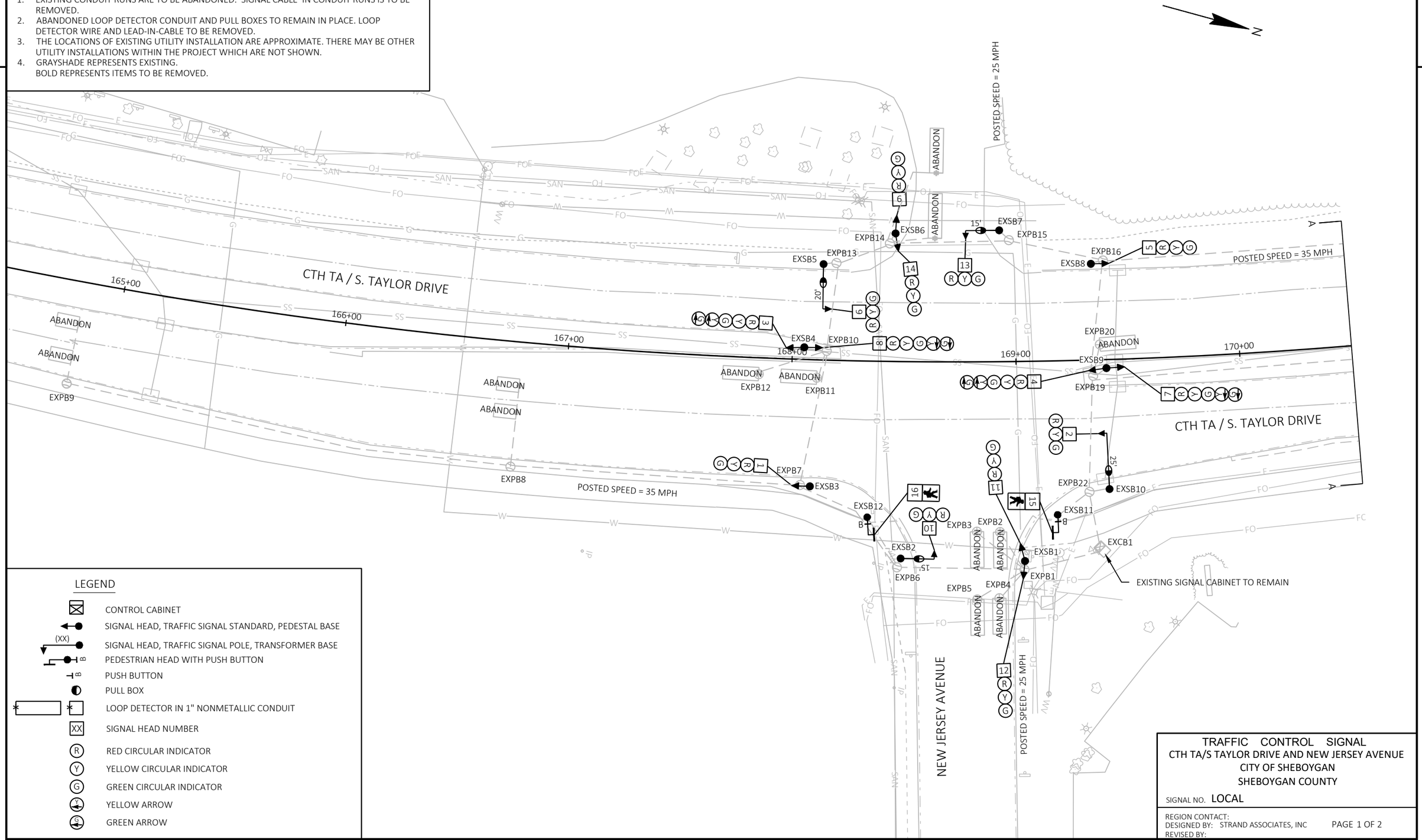
REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024101_ST.DWG PLOT DATE : 7/31/2023 10:11 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :
WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES

1. EXISTING CONDUIT RUNS ARE TO BE ABANDONED. SIGNAL CABLE IN CONDUIT RUNS IS TO BE REMOVED.
2. ABANDONED LOOP DETECTOR CONDUIT AND PULL BOXES TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN-CABLE TO BE REMOVED.
3. THE LOCATIONS OF EXISTING UTILITY INSTALLATION ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.



LEGEND

- CONTROL CABINET
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- B PUSH BUTTON
- PULL BOX
- * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND NEW JERSEY AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

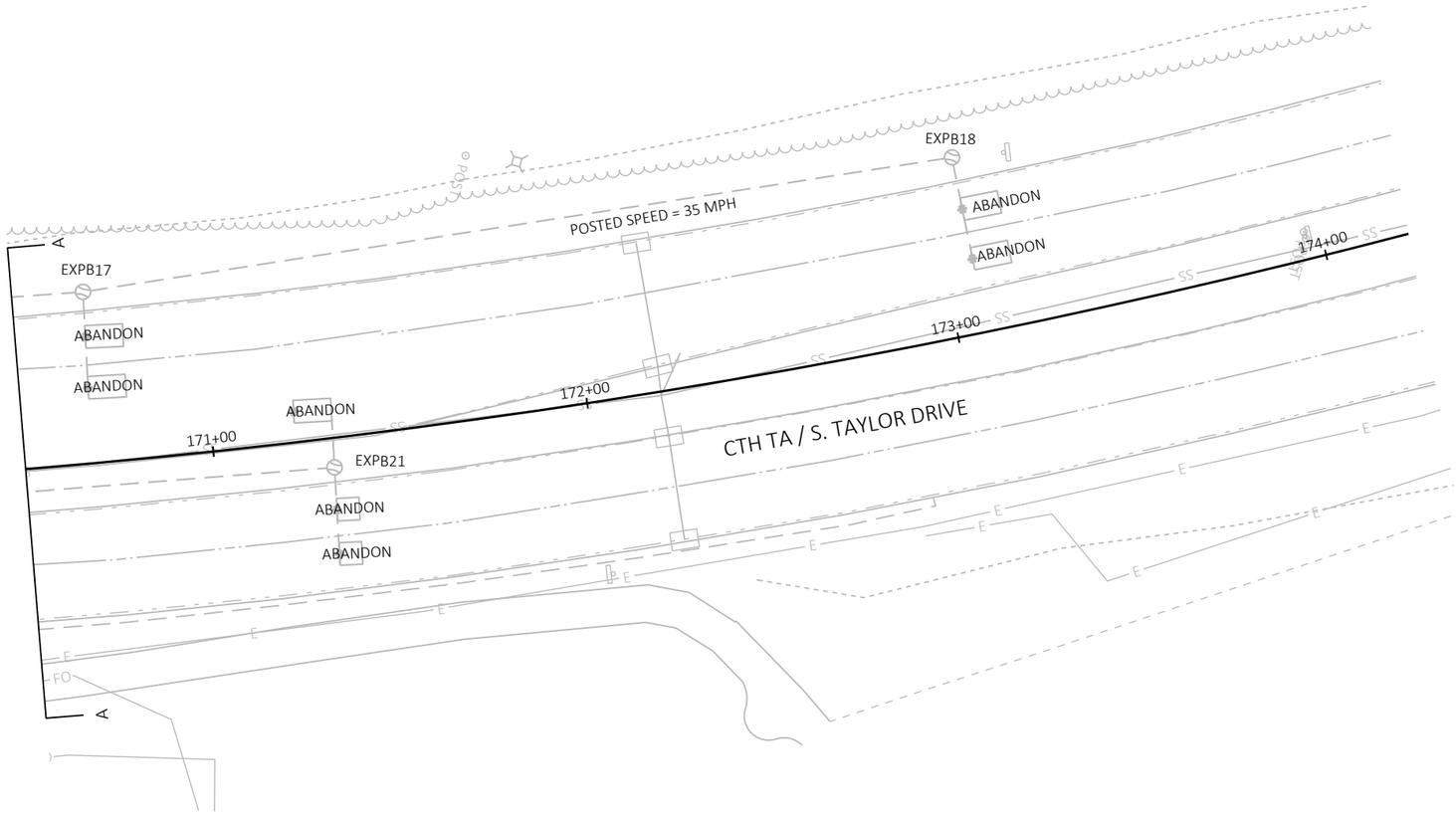
PAGE 1 OF 2

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 78	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024001_SR.DWG PLOT DATE : 7/31/2023 10:19 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND NEW JERSEY AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PAGE 2 OF 2

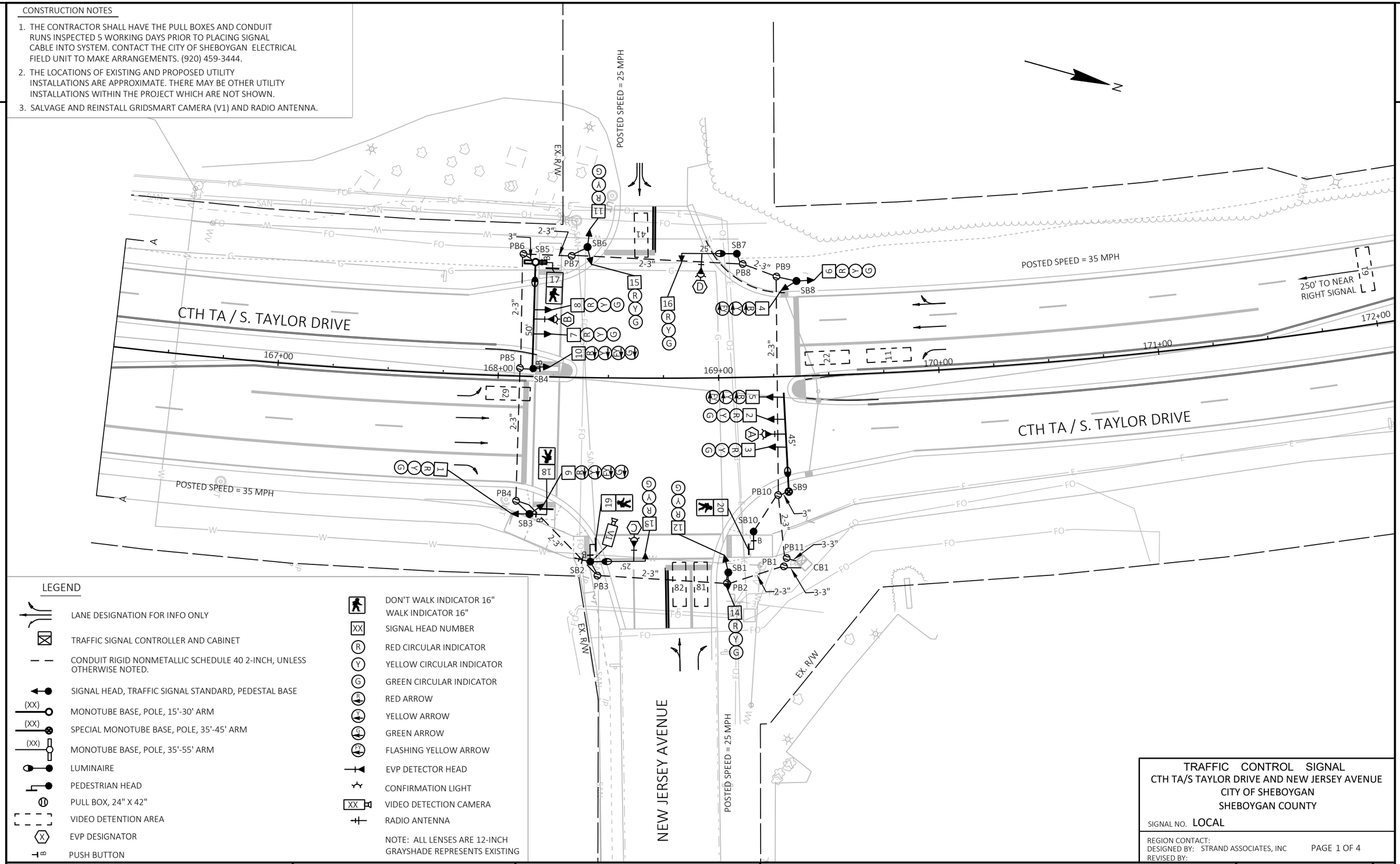
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 79	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024001_SR.DWG PLOT DATE : 7/31/2023 10:07 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :

WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE CITY OF SHEBOYGAN ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (920) 459-3444.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. SALVAGE AND REINSTALL GRIDSMART CAMERA (V1) AND RADIO ANTENNA.



LEGEND

- LANE DESIGNATION FOR INFO ONLY
- TRAFFIC SIGNAL CONTROLLER AND CABINET
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED.
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE
- PEDESTRIAN HEAD
- PULL BOX, 24" X 42"
- VIDEO DETENTION AREA
- EVP DESIGNATOR
- PUSH BUTTON
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- FLASHING YELLOW ARROW
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- XX VIDEO DETECTION CAMERA
- RADIO ANTENNA

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND NEW JERSEY AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

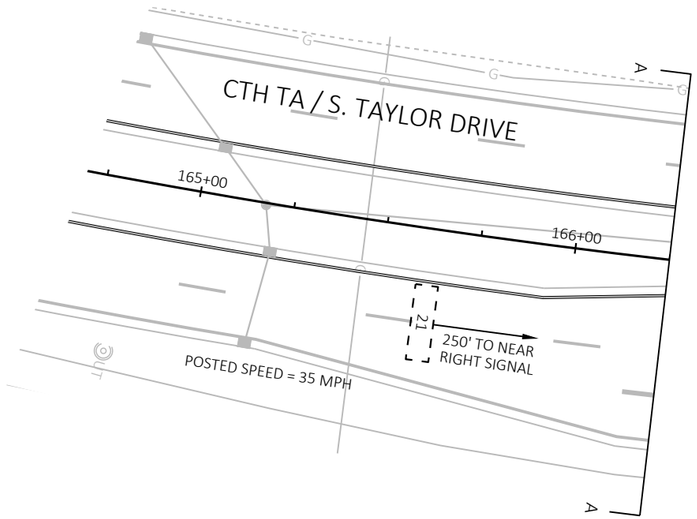
PAGE 1 OF 4

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC SIGNAL PLAN	SHEET 80	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024201_SP.DWG
PLOT DATE : 7/31/2023 10:07 AM
PLOT BY : GOMEZ-GONZALEZ, ANDRES
PLOT NAME :

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND NEW JERSEY AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

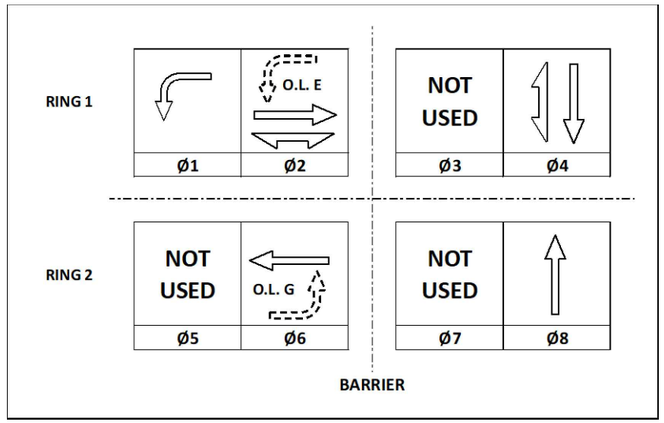
SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC SIGNAL PLAN	SHEET 81	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024201_SP.DWG PLOT DATE : 7/31/2023 10:08 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	9,10	R ←
Ø2	1,2,3,4,5	R
Ø3		
Ø4	11,12,13	R
Ø5		
Ø6	6,7,8	R
Ø7		
Ø8	14,15,16	R
Ø2P	19,20	
Ø4P	17,18	
OLE	9,10	
OLF		
OLG	4,5	
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4		8		X
5				
6	X	2	MIN	X
7				
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	← →	← ↰	↓ ↑	↓ ↑
PHASE	2+6	6+1	4+8	4+8

AFTER PREEMPTION SEQUENCE 2+6 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	X
FIBER OPTIC (ETHERNET)	
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	41	61	81			
CALLED PHASE	1	2	4	6	8			
CALL OPTION	X	X	X	X	X			
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X			
EXTEND TIME		X		X				
USE ADDED INITIAL								
CROSS SWITCH PHASE	2							

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	22			62	82			
CALLED PHASE	1			6	8			
CALL OPTION	X			X	X			
DELAY TIME								
EXTENTION OPTION	X			X	X			
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE	2							

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND NEW JERSEY AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PROJECT NO: 4291-03-70 | HWY: CTH TA | COUNTY: SHEBOYGAN | SEQUENCE OF OPERATIONS | SHEET 82 | E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024201_SP.DWG PLOT DATE : 7/31/2023 10:08 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :
WISDOT/CADDS SHEET 42

PROJECT ID:	4291-03-70
INTERSECTION:	CTH TA/ S. TAYLOR DRIVE & NEW JERSEY AVENUE

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

CB1 TO	NO. OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	12	RED	ORG	GRN								
		14				RED/BLK	ORG/BLK	GRN/BLK					
SB2	12	13	RED	ORG	GRN								
		19								BLK	BLU		
		B										WHT/BLK	
SB3	12	1	RED	ORG	GRN								
		9				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		18								BLK	BLU		
		B										WHT/BLK	
SB4	7	B										WHT/BLK	
SB5	12	7	RED	ORG	GRN								
		8	RED	ORG	GRN								
		10				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		17								BLK	BLU		
		B										WHT/BLK	
SB6	12	11	RED	ORG	GRN								
		15				RED/BLK	ORG/BLK	GRN/BLK					
SB7	7	16	RED	ORG	GRN								
SB8	12	4	RED	ORG	GRN								
		6				RED/BLK	ORG/BLK		BLK/WHT				
SB9	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		5				RED/BLK	ORG/BLK		BLK/WHT				
SB10	7	20								BLK	BLU		
		B										WHT/BLK	

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

Equipment grounding conductor 10 AWG Green XLP	
From	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB2	SB1
PB3	SB2
PB4	SB3
PB5	SB4
PB6	SB5
PB7	SB6
PB8	SB7
PB9	SB8
PB10	SB9
PB11	CB1

VIDEO DETECTION CABLE	
From	To
CB1	SB2 (V1)

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB2
SB2	SB5
CB1	SB9
SB9	SB7

EVP CABLE	
From	To
CB1	SB2 (HEAD C)
CB1	SB5 (HEAD B)
CB1	SB7 (HEAD D)
CB1	SB9 (HEAD A)

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND NEW JERSEY AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

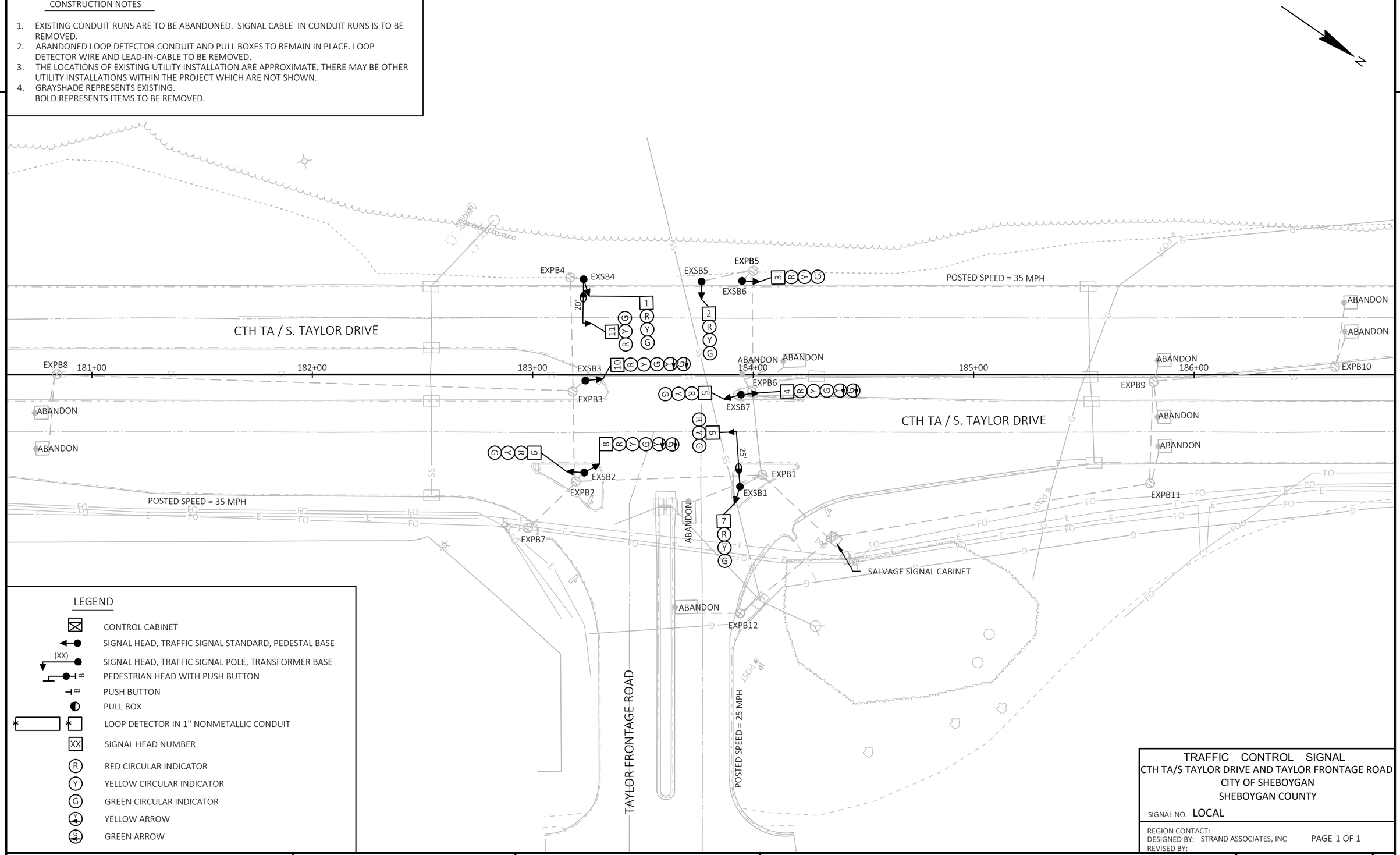
SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

2

CONSTRUCTION NOTES

1. EXISTING CONDUIT RUNS ARE TO BE ABANDONED. SIGNAL CABLE IN CONDUIT RUNS IS TO BE REMOVED.
2. ABANDONED LOOP DETECTOR CONDUIT AND PULL BOXES TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN-CABLE TO BE REMOVED.
3. THE LOCATIONS OF EXISTING UTILITY INSTALLATION ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.



LEGEND

- CONTROL CABINET
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- B PUSH BUTTON
- PULL BOX
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND TAYLOR FRONTAGE ROAD
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 84	E

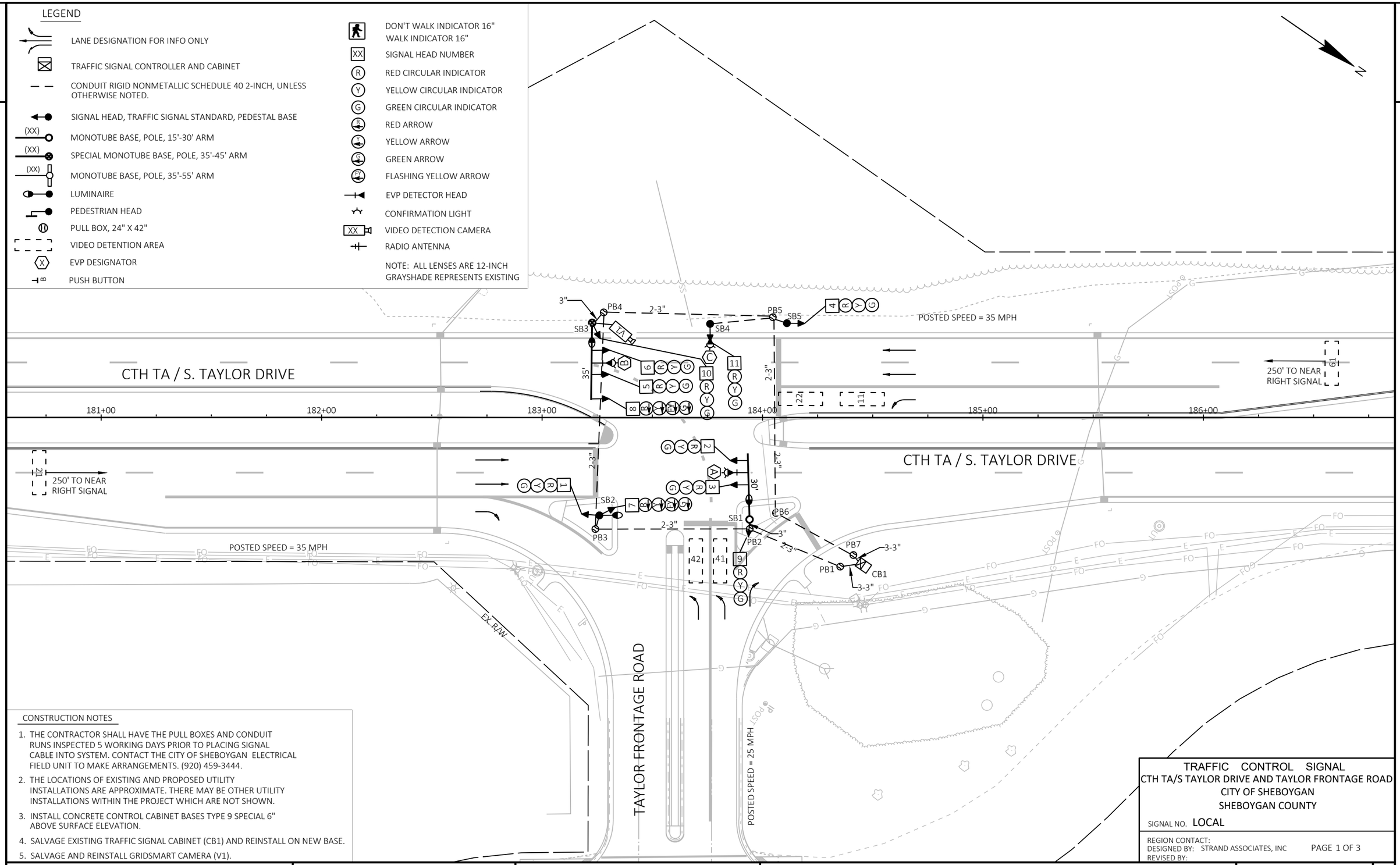
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024001_SR.DWG PLOT DATE : 7/31/2023 10:24 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :

WISDOT/CADDS SHEET 42

LEGEND

- LANE DESIGNATION FOR INFO ONLY
- TRAFFIC SIGNAL CONTROLLER AND CABINET
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED.
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) SPECIAL MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE
- PEDESTRIAN HEAD
- PULL BOX, 24" X 42"
- VIDEO DETENTION AREA
- EVP DESIGNATOR
- PUSH BUTTON
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- FY FLASHING YELLOW ARROW
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- XX VIDEO DETECTION CAMERA
- RADIO ANTENNA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE CITY OF SHEBOYGAN ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (920) 459-3444.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. INSTALL CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL 6" ABOVE SURFACE ELEVATION.
4. SALVAGE EXISTING TRAFFIC SIGNAL CABINET (CB1) AND REINSTALL ON NEW BASE.
5. SALVAGE AND REINSTALL GRIDSMART CAMERA (V1).

TRAFFIC CONTROL SIGNAL

CTH TA/S TAYLOR DRIVE AND TAYLOR FRONTAGE ROAD
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

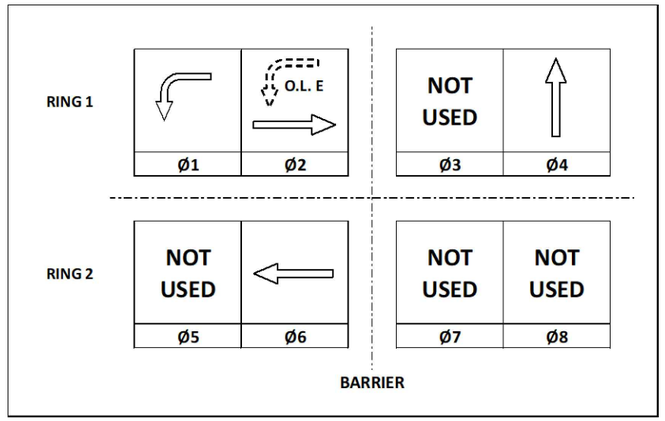
REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC SIGNAL PLAN	SHEET 85	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024201_SP.DWG
PLOT DATE : 7/31/2023 10:09 AM
PLOT BY : GOMEZ-GONZALEZ, ANDRES
PLOT NAME :

	HEAD NUMBERS	FLASH
Ø1	7,8	R ←
Ø2	1,2,3	R
Ø3		
Ø4	9,10,11	R
Ø5		
Ø6	4,5,6	R
OLE	7,8	



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4				X
5				
6	X	2	MIN	X
7				
8				

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C
MOVEMENT	← →	← ↱	↑
PHASE	2+6	6+1	4

AFTER PREEMPTION SEQUENCE 2+6 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.

AFTER PREEMPTION SEQUENCE 4, CONTROLLER SHALL RETURN TO PHASES 4.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	X
FIBER OPTIC (ETHERNET)	
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	41	61				
CALLED PHASE	1	2	4	6				
CALL OPTION	X	X	X	X				
DELAY TIME								
EXTENTION OPTION	X	X	X	X				
EXTEND TIME		X		X				
USE ADDED INITIAL								
CROSS SWITCH PHASE	2							

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	22		42					
CALLED PHASE	1		4					
CALL OPTION	X		X					
DELAY TIME								
EXTENTION OPTION	X		X					
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE	2							

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND TAYLOR FRONTAGE ROAD
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024201_SP.DWG PLOT DATE : 7/31/2023 10:09 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :
WISDOT/CADDS SHEET 42

PROJECT ID:	4291-03-70
INTERSECTION:	CTH TA/S. TAYLOR DRIVE & TAYLOR FRONTAGE ROAD

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

CB1 TO	NO. OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		9				RED/BLK	ORG/BLK	GRN/BLK					
SB2	12	1	RED	ORG	GRN								
		7				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB3	15	5	RED	ORG	GRN								
		6	RED	ORG	GRN								
		8				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		10				RED/WHT	BLU/WHT	GRN/WHT					
SB4	7	11	RED	ORG	GRN								
SB5	7	4	RED	ORG	GRN								

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

Equipment grounding conductor 10 AWG Green XLP	
From	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB2	SB1
PB3	SB2
PB4	SB3
PB5	SB5
PB6	CB1
PB7	CB1

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB1
SB1	SB2
CB1	SB3

VIDEO DETECTION CABLE	
From	To
CB1	SB3 (V1)

EVP CABLE	
From	To
CB1	SB1 (HEAD A)
CB1	SB3 (HEAD B)
CB1	SB4 (HEAD C)

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND TAYLOR FRONTAGE ROAD
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

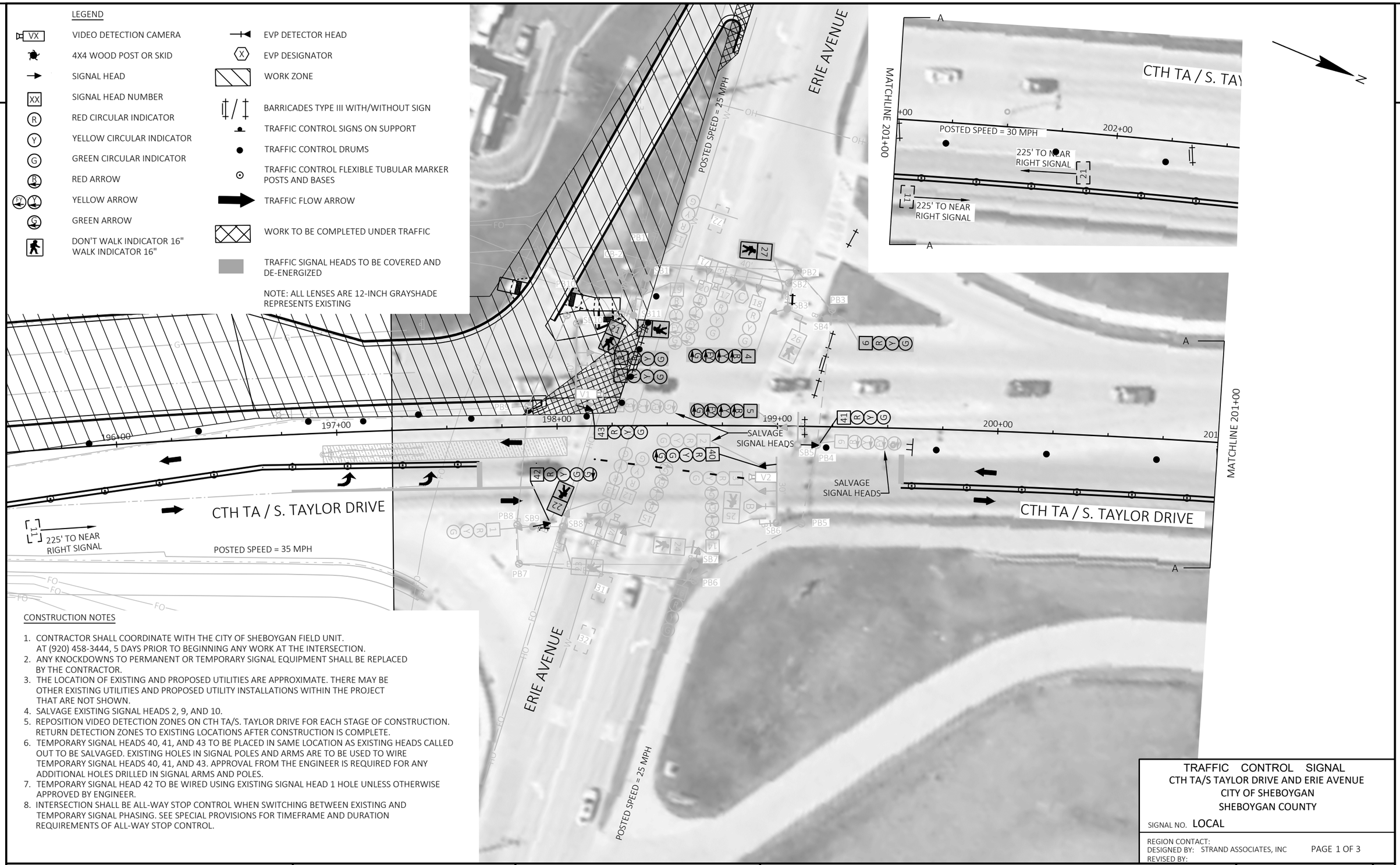
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CABLE ROUTING	SHEET 87	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024201_SP.DWG PLOT DATE : 7/31/2023 10:09 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :
WISDOT/CADDS SHEET 42

LEGEND

- VX — VIDEO DETECTION CAMERA
- 4X4 WOOD POST OR SKID
- SIGNAL HEAD
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- FY Y — YELLOW ARROW
- G — GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- EVP DETECTOR HEAD
- X — EVP DESIGNATOR
- WORK ZONE
- BARRICADES TYPE III WITH/WITHOUT SIGN
- TRAFFIC CONTROL SIGNS ON SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
- TRAFFIC FLOW ARROW
- WORK TO BE COMPLETED UNDER TRAFFIC
- TRAFFIC SIGNAL HEADS TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SHEBOYGAN FIELD UNIT. AT (920) 458-3444, 5 DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
2. ANY KNOCKDOWNS TO PERMANENT OR TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. SALVAGE EXISTING SIGNAL HEADS 2, 9, AND 10.
5. REPOSITION VIDEO DETECTION ZONES ON CTH TA/S. TAYLOR DRIVE FOR EACH STAGE OF CONSTRUCTION. RETURN DETECTION ZONES TO EXISTING LOCATIONS AFTER CONSTRUCTION IS COMPLETE.
6. TEMPORARY SIGNAL HEADS 40, 41, AND 43 TO BE PLACED IN SAME LOCATION AS EXISTING HEADS CALLED OUT TO BE SALVAGED. EXISTING HOLES IN SIGNAL POLES AND ARMS ARE TO BE USED TO WIRE TEMPORARY SIGNAL HEADS 40, 41, AND 43. APPROVAL FROM THE ENGINEER IS REQUIRED FOR ANY ADDITIONAL HOLES DRILLED IN SIGNAL ARMS AND POLES.
7. TEMPORARY SIGNAL HEAD 42 TO BE WIRED USING EXISTING SIGNAL HEAD 1 HOLE UNLESS OTHERWISE APPROVED BY ENGINEER.
8. INTERSECTION SHALL BE ALL-WAY STOP CONTROL WHEN SWITCHING BETWEEN EXISTING AND TEMPORARY SIGNAL PHASING. SEE SPECIAL PROVISIONS FOR TIMEFRAME AND DURATION REQUIREMENTS OF ALL-WAY STOP CONTROL.

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND ERIE AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 88	E

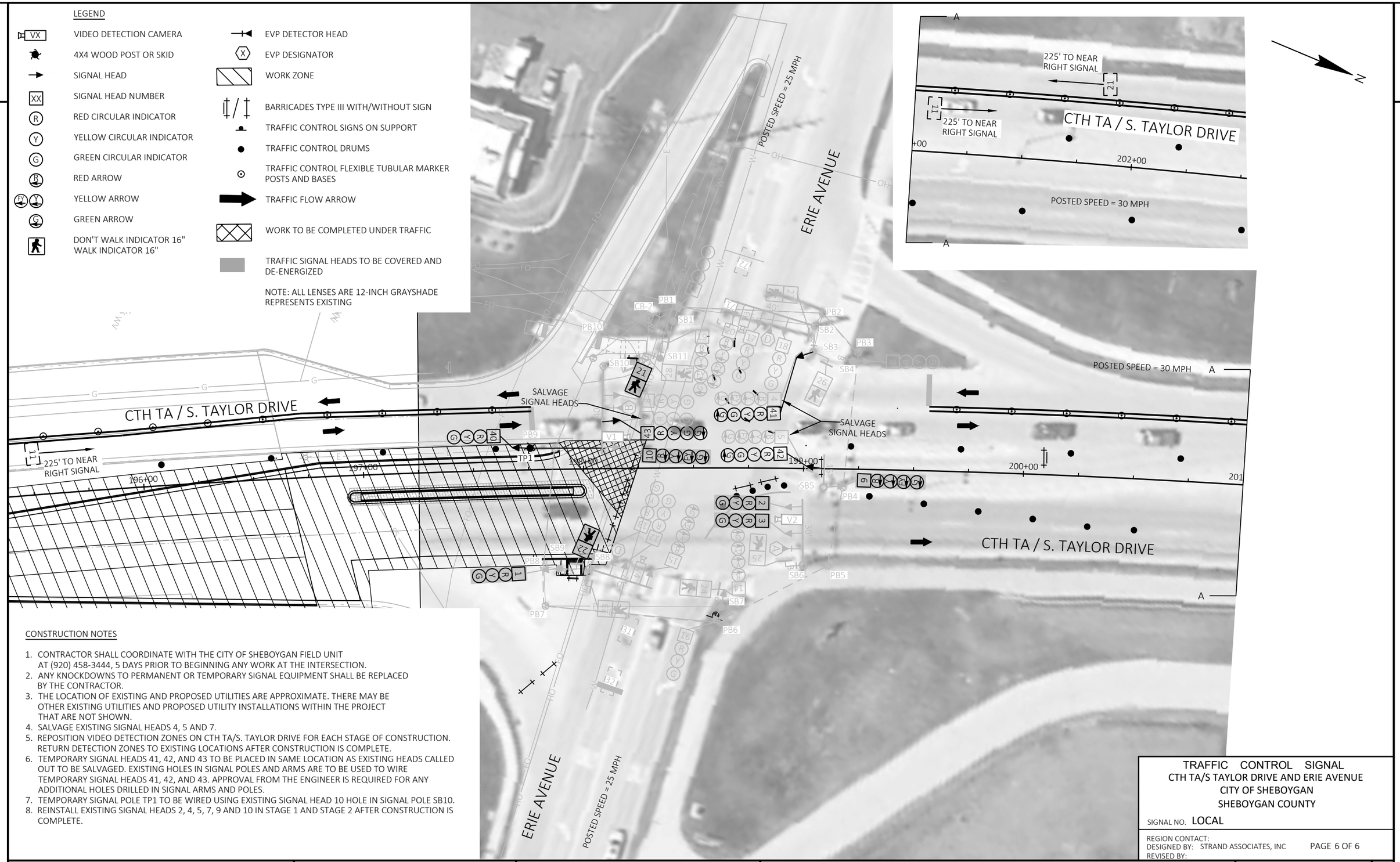
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024101_ST.DWG
PLOT DATE : 7/31/2023 10:12 AM
PLOT BY : GOMEZ-GONZALEZ, ANDRES
PLOT NAME :

WISDOT/CADDS SHEET 42

LEGEND

VX	VIDEO DETECTION CAMERA
	4X4 WOOD POST OR SKID
	SIGNAL HEAD
XX	SIGNAL HEAD NUMBER
R	RED CIRCULAR INDICATOR
Y	YELLOW CIRCULAR INDICATOR
G	GREEN CIRCULAR INDICATOR
R	RED ARROW
FY Y	YELLOW ARROW
G	GREEN ARROW
	DON'T WALK INDICATOR 16" WALK INDICATOR 16"
	EVP DETECTOR HEAD
X	EVP DESIGNATOR
	WORK ZONE
	BARRICADES TYPE III WITH/WITHOUT SIGN
	TRAFFIC CONTROL SIGNS ON SUPPORT
	TRAFFIC CONTROL DRUMS
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	TRAFFIC FLOW ARROW
	WORK TO BE COMPLETED UNDER TRAFFIC
	TRAFFIC SIGNAL HEADS TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SHEBOYGAN FIELD UNIT AT (920) 458-3444, 5 DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
2. ANY KNOCKDOWNS TO PERMANENT OR TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. SALVAGE EXISTING SIGNAL HEADS 4, 5 AND 7.
5. REPOSITION VIDEO DETECTION ZONES ON CTH TA/S. TAYLOR DRIVE FOR EACH STAGE OF CONSTRUCTION. RETURN DETECTION ZONES TO EXISTING LOCATIONS AFTER CONSTRUCTION IS COMPLETE.
6. TEMPORARY SIGNAL HEADS 41, 42, AND 43 TO BE PLACED IN SAME LOCATION AS EXISTING HEADS CALLED OUT TO BE SALVAGED. EXISTING HOLES IN SIGNAL POLES AND ARMS ARE TO BE USED TO WIRE TEMPORARY SIGNAL HEADS 41, 42, AND 43. APPROVAL FROM THE ENGINEER IS REQUIRED FOR ANY ADDITIONAL HOLES DRILLED IN SIGNAL ARMS AND POLES.
7. TEMPORARY SIGNAL POLE TP1 TO BE WIRED USING EXISTING SIGNAL HEAD 10 HOLE IN SIGNAL POLE SB10.
8. REINSTALL EXISTING SIGNAL HEADS 2, 4, 5, 7, 9 AND 10 IN STAGE 1 AND STAGE 2 AFTER CONSTRUCTION IS COMPLETE.

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND ERIE AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

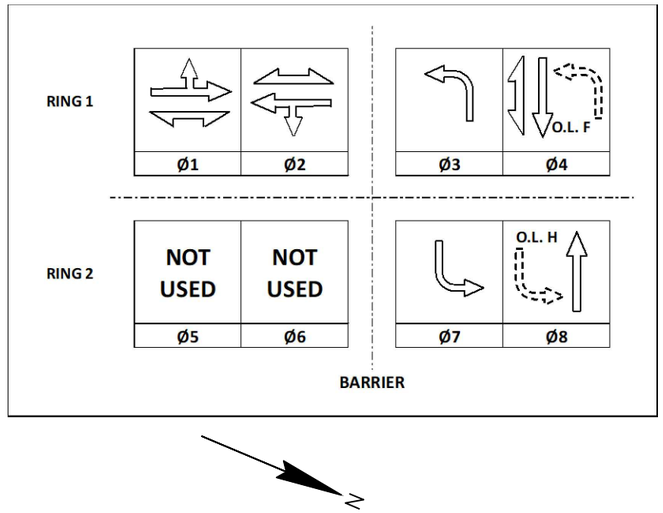
PAGE 6 OF 6

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 89	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024102_ST.DWG
PLOT DATE : 7/31/2023 10:12 AM
PLOT BY : GOMEZ-GONZALEZ, ANDRES
PLOT NAME :

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	1,3,40	R
Ø2	41,42,43	R
Ø3	19,20	R←
Ø4	11,12,13	R
Ø7	14,15	R←
Ø8	16,17,18	R
Ø1P	23,24	
Ø2P	27,28	
Ø4P	21,22	
Ø8P	25,26	
OLF	19,20	R←
OLH	14,15	R←



GENERAL NOTES

1. IN STAGE 1, SIGNAL HEADS 4, 5, 6, 7, AND 8 WILL NOT BE ACTIVE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.
2. IN STAGE 2, SIGNAL HEADS 1, 2, 3, 9, AND 10 WILL NOT BE ACTIVE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.
3. IN STAGE 1, PHASE 2 AND PHASE 4 WILL NOT PROVIDE A PEDESTRIAN PHASE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.
4. IN STAGE 2, PHASE 4 WILL NOT PROVIDE A PEDESTRAIN PHASE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X		MIN	X
2	X		MIN	X
3				X
4		8		X
5				
6				
7				X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2	1	8 + 3	4 + 7

AFTER PREEMPTION SEQUENCE 1, CONTROLLER SHALL RETURN TO PHASE 1.

AFTER PREEMPTION SEQUENCE 2, CONTROLLER SHALL RETURN TO PHASE 2.

AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	31	41	72	81			
CALLED PHASE	1	3	4	7	8			
CALL OPTION	X	X		X				
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X			
EXTEND TIME	X		X		X			
USE ADDED INITIAL								
CROSS SWITCH PHASE		4		8				

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	21	32	71	73	82			
CALLED PHASE	2	3	7	7	8			
CALL OPTION	X	X	X					
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X			
EXTEND TIME	X			X	X			
USE ADDED INITIAL								
CROSS SWITCH PHASE		4	8					

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND ERIE AVENUE
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

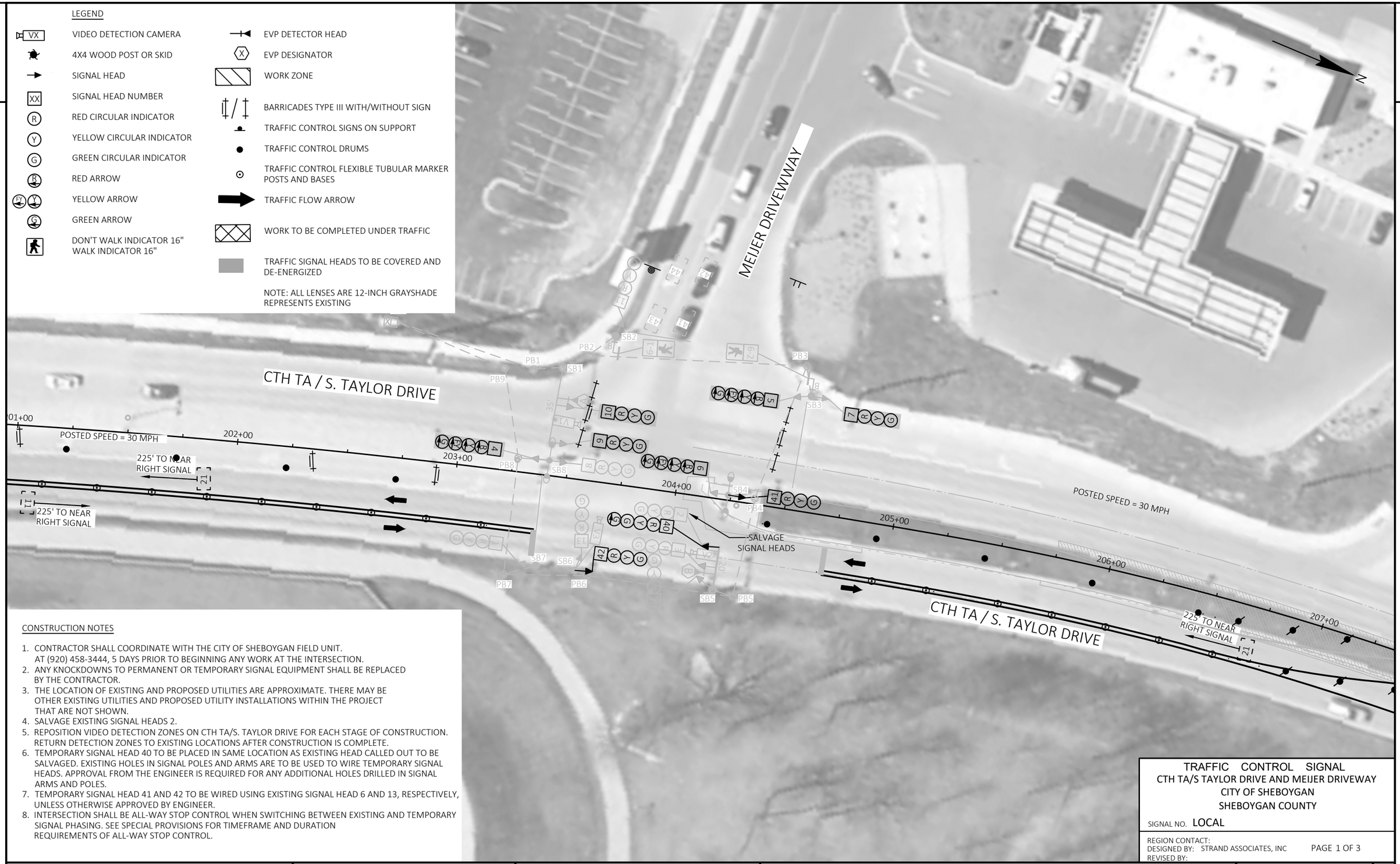
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024101_ST.DWG PLOT DATE : 7/31/2023 10:12 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :
WISDOT/CADDS SHEET 42

2

LEGEND

- VIDEO DETECTION CAMERA
- 4X4 WOOD POST OR SKID
- SIGNAL HEAD
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- EVP DETECTOR HEAD
- EVP DESIGNATOR
- WORK ZONE
- BARRICADES TYPE III WITH/WITHOUT SIGN
- TRAFFIC CONTROL SIGNS ON SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
- TRAFFIC FLOW ARROW
- WORK TO BE COMPLETED UNDER TRAFFIC
- TRAFFIC SIGNAL HEADS TO BE COVERED AND DE-ENERGIZED

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SHEBOYGAN FIELD UNIT. AT (920) 458-3444, 5 DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
2. ANY KNOCKDOWNS TO PERMANENT OR TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. SALVAGE EXISTING SIGNAL HEADS 2.
5. REPOSITION VIDEO DETECTION ZONES ON CTH TA/S. TAYLOR DRIVE FOR EACH STAGE OF CONSTRUCTION. RETURN DETECTION ZONES TO EXISTING LOCATIONS AFTER CONSTRUCTION IS COMPLETE.
6. TEMPORARY SIGNAL HEAD 40 TO BE PLACED IN SAME LOCATION AS EXISTING HEAD CALLED OUT TO BE SALVAGED. EXISTING HOLES IN SIGNAL POLES AND ARMS ARE TO BE USED TO WIRE TEMPORARY SIGNAL HEADS. APPROVAL FROM THE ENGINEER IS REQUIRED FOR ANY ADDITIONAL HOLES DRILLED IN SIGNAL ARMS AND POLES.
7. TEMPORARY SIGNAL HEAD 41 AND 42 TO BE WIRED USING EXISTING SIGNAL HEAD 6 AND 13, RESPECTIVELY, UNLESS OTHERWISE APPROVED BY ENGINEER.
8. INTERSECTION SHALL BE ALL-WAY STOP CONTROL WHEN SWITCHING BETWEEN EXISTING AND TEMPORARY SIGNAL PHASING. SEE SPECIAL PROVISIONS FOR TIMEFRAME AND DURATION REQUIREMENTS OF ALL-WAY STOP CONTROL.

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND MEIJER DRIVEWAY
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 91	E

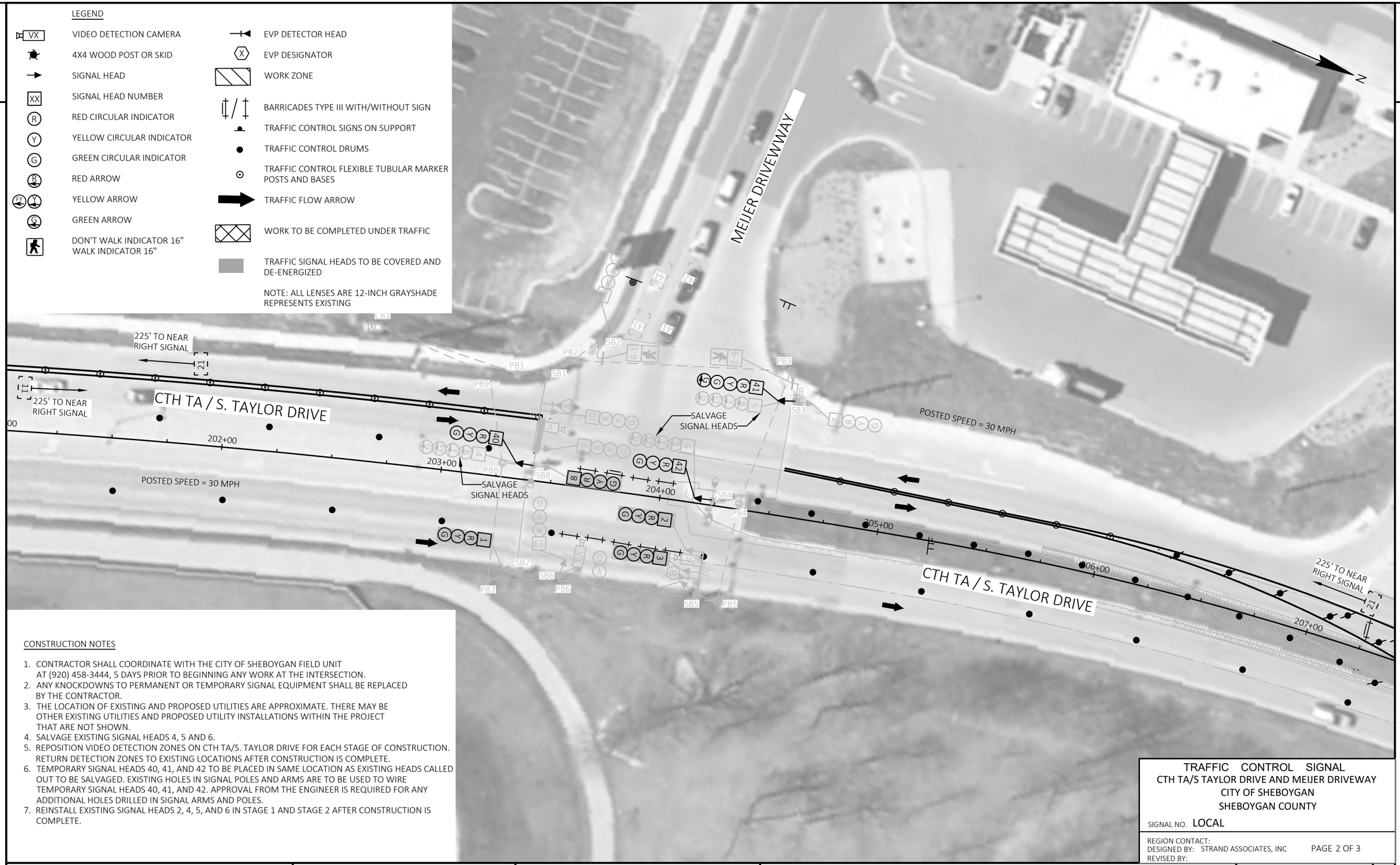
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024101_ST.DWG PLOT DATE : 7/31/2023 10:13 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :

WISDOT/CADDS SHEET 42

2

LEGEND

VX — VIDEO DETECTION CAMERA	EVP DETECTOR HEAD
4X4 WOOD POST OR SKID	X — EVP DESIGNATOR
SIGNAL HEAD	WORK ZONE
XX — SIGNAL HEAD NUMBER	BARRICADES TYPE III WITH/WITHOUT SIGN
R — RED CIRCULAR INDICATOR	TRAFFIC CONTROL SIGNS ON SUPPORT
Y — YELLOW CIRCULAR INDICATOR	TRAFFIC CONTROL DRUMS
G — GREEN CIRCULAR INDICATOR	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
R — RED ARROW	TRAFFIC FLOW ARROW
FY Y — YELLOW ARROW	WORK TO BE COMPLETED UNDER TRAFFIC
G — GREEN ARROW	TRAFFIC SIGNAL HEADS TO BE COVERED AND DE-ENERGIZED
DON'T WALK INDICATOR 16" WALK INDICATOR 16"	NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SHEBOYGAN FIELD UNIT AT (920) 458-3444, 5 DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
2. ANY KNOCKDOWNS TO PERMANENT OR TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER EXISTING UTILITIES AND PROPOSED UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
4. SALVAGE EXISTING SIGNAL HEADS 4, 5 AND 6.
5. REPOSITION VIDEO DETECTION ZONES ON CTH TA/S. TAYLOR DRIVE FOR EACH STAGE OF CONSTRUCTION. RETURN DETECTION ZONES TO EXISTING LOCATIONS AFTER CONSTRUCTION IS COMPLETE.
6. TEMPORARY SIGNAL HEADS 40, 41, AND 42 TO BE PLACED IN SAME LOCATION AS EXISTING HEADS CALLED OUT TO BE SALVAGED. EXISTING HOLES IN SIGNAL POLES AND ARMS ARE TO BE USED TO WIRE TEMPORARY SIGNAL HEADS 40, 41, AND 42. APPROVAL FROM THE ENGINEER IS REQUIRED FOR ANY ADDITIONAL HOLES DRILLED IN SIGNAL ARMS AND POLES.
7. REINSTALL EXISTING SIGNAL HEADS 2, 4, 5, AND 6 IN STAGE 1 AND STAGE 2 AFTER CONSTRUCTION IS COMPLETE.

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND MEIJER DRIVEWAY
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

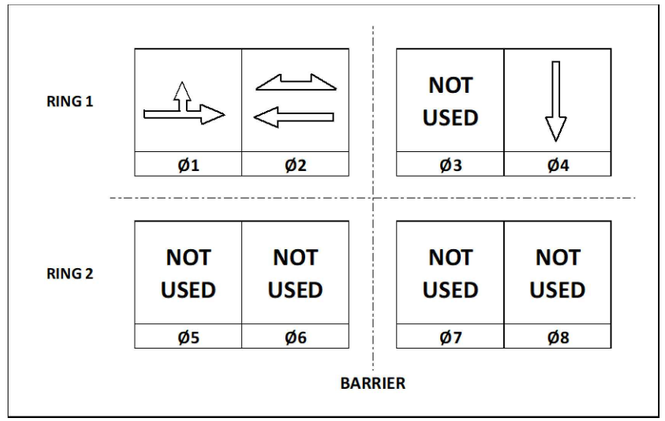
PAGE 2 OF 3

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 92	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024102_ST.DWG PLOT DATE : 7/31/2023 10:28 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	1,3,40	R
Ø2	8,41,42	R
Ø4	11,12,13	R
Ø2P	6-1,6-2	
Ø4P		
Ø8P		



GENERAL NOTES

1. IN STAGE 1, SIGNAL HEADS 4, 5, 6, 7, 9 AND 10 WILL NOT BE ACTIVE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.
2. IN STAGE 2, SIGNAL HEADS 1, 2, 3, AND 8 WILL NOT BE ACTIVE. COVER AND DE-ENERGIZE AS SHOWN IN PLANS.

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X		MIN	X
2	X		MIN	X
3				
4				X
5				
6				
7				
8				

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B
MOVEMENT	←	↗
PHASE	2	1

AFTER PREEMPTION SEQUENCE 1, CONTROLLER SHALL RETURN TO PHASE 1.

AFTER PREEMPTION SEQUENCE 2, CONTROLLER SHALL RETURN TO PHASE 2.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	41	43														PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	4	4														CALLED PHASE
CALL OPTION	X	X	X														CALL OPTION
DELAY TIME			X														DELAY TIME
EXTENTION OPTION	X	X	X														EXTENTION OPTION
EXTEND TIME	X																EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	21	42	44														PLAN LOOP DETECTOR*(S)
CALLED PHASE	2	4	4														CALLED PHASE
CALL OPTION	X	X	X														CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X														EXTENTION OPTION
EXTEND TIME	X																EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL
CTH TA/S TAYLOR DRIVE AND MEIJER DRIVEWAY
CITY OF SHEBOYGAN
SHEBOYGAN COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY:

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY SEQUENCE OF OPERATIONS - STAGE 1 AND 2	SHEET 93	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024101_ST.DWG PLOT DATE : 7/31/2023 10:13 AM PLOT BY : GOMEZ-GONZALEZ, ANDRES PLOT NAME :
WISDOT/CADDS SHEET 42

2

CTH TA / S. TAYLOR DRIVE

101+00 102+00 103+00 104+00 105+00 106+00

+26 +37 (5)

PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
2. MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH (WHITE)
3. MARKING LINE PAINT 8-INCH (WHITE)
4. MARKING STOP LINE PAINT 18-INCH (WHITE)
5. MARKING LINE PAINT 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
6. MARKING LINE PAINT 4-INCH (YELLOW)
7. MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8. MARKING CURB PAINT (YELLOW)
9. MARKING ISLAND NOSE PAINT
10. MARKING ARROW PAINT
11. MARKING WORD PAINT

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- (R) DENOTES EXISTING SIGN TO BE REMOVED
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

N

CTH TA / S. TAYLOR DRIVE

108+00 109+00 110+00 111+00 112+00 113+00

+91 (10) +19 10' (3) (10) +39

MATCHLINE 113+50

N

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 94	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023200_ps
PLOT DATE : 7/31/2023 2:48 PM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
2. MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH (WHITE)
3. MARKING LINE PAINT 8-INCH (WHITE)
4. MARKING STOP LINE PAINT 18-INCH (WHITE)
5. MARKING LINE PAINT 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
6. MARKING LINE PAINT 4-INCH (YELLOW)
7. MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8. MARKING CURB PAINT (YELLOW)
9. MARKING ISLAND NOSE PAINT
10. MARKING ARROW PAINT
11. MARKING WORD PAINT

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- (R) DENOTES EXISTING SIGN TO BE REMOVED
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

N

MATCHLINE 113+50

MATCHLINE 119+50

CTH TA / S. TAYLOR DRIVE

UNION AVENUE

BEGIN PROJECT
STA. 115+60.00

114+00 115+00 116+00 117+00 118+00 119+00

+54 +89 +29 +69 +60 +22 +47 +48 +23

13.5' 11' 11' 12' 11' 11' 11' 11'

SPEED LIMIT 35

R2-1
24"X30"

E1-1

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 95	E

2

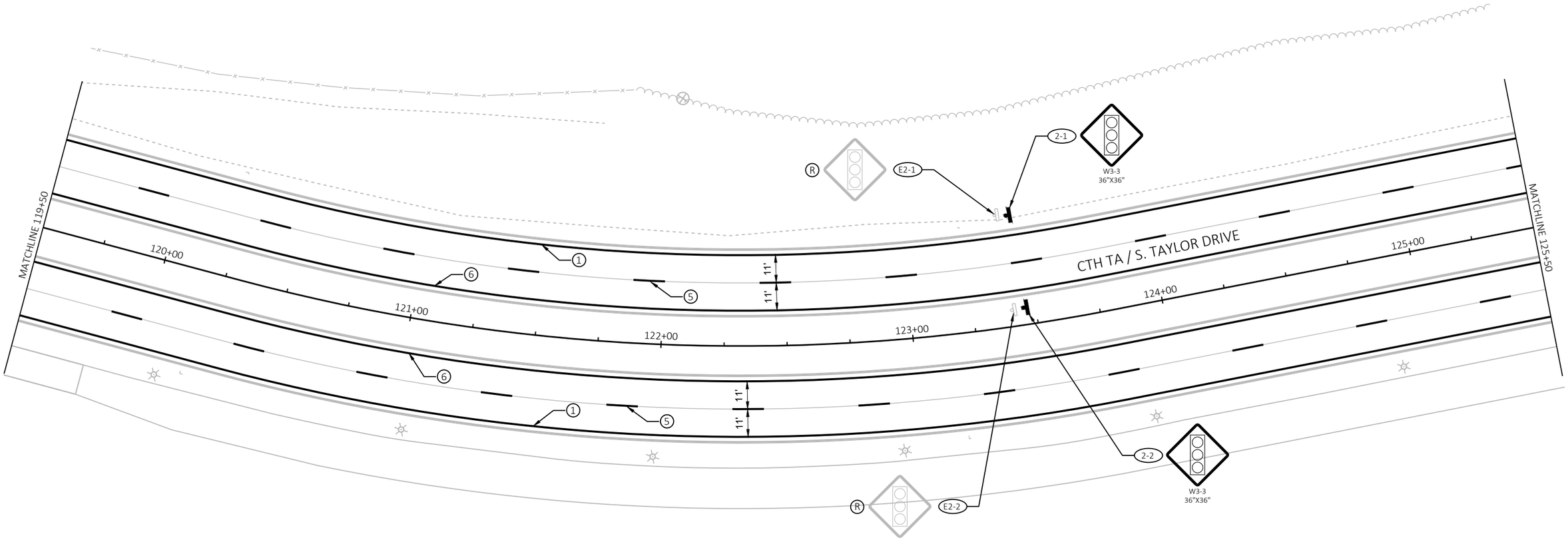
PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
2. MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH (WHITE)
3. MARKING LINE PAINT 8-INCH (WHITE)
4. MARKING STOP LINE PAINT 18-INCH (WHITE)
5. MARKING LINE PAINT 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
6. MARKING LINE PAINT 4-INCH (YELLOW)
7. MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8. MARKING CURB PAINT (YELLOW)
9. MARKING ISLAND NOSE PAINT
10. MARKING ARROW PAINT
11. MARKING WORD PAINT

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- (R) DENOTES EXISTING SIGN TO BE REMOVED
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

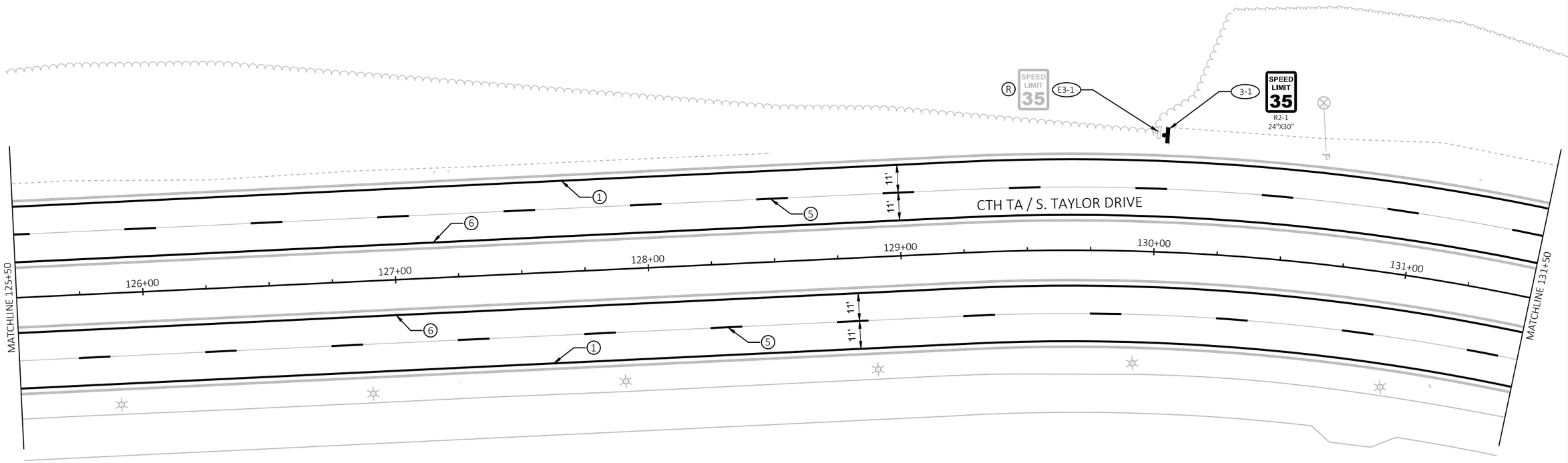
N



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 96	E

2

N



PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
2. MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH (WHITE)
3. MARKING LINE PAINT 8-INCH (WHITE)
4. MARKING STOP LINE PAINT 18-INCH (WHITE)
5. MARKING LINE PAINT 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
6. MARKING LINE PAINT 4-INCH (YELLOW)
7. MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8. MARKING CURB PAINT (YELLOW)
9. MARKING ISLAND NOSE PAINT
10. MARKING ARROW PAINT
11. MARKING WORD PAINT

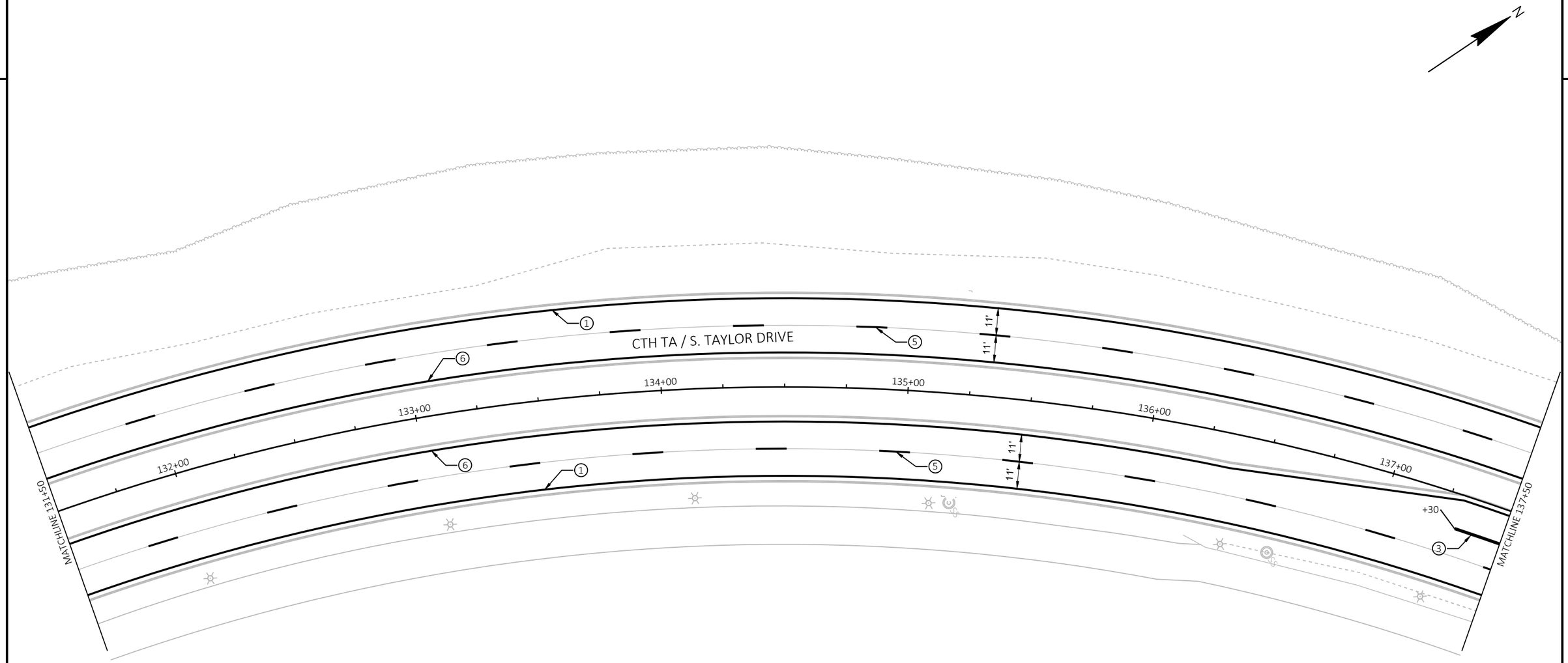
SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- (R) DENOTES EXISTING SIGN TO BE REMOVED
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 97	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023203_ps
PLOT DATE : 7/31/2023 2:48 PM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
2. MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH (WHITE)
3. MARKING LINE PAINT 8-INCH (WHITE)
4. MARKING STOP LINE PAINT 18-INCH (WHITE)
5. MARKING LINE PAINT 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
6. MARKING LINE PAINT 4-INCH (YELLOW)
7. MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8. MARKING CURB PAINT (YELLOW)
9. MARKING ISLAND NOSE PAINT
10. MARKING ARROW PAINT
11. MARKING WORD PAINT

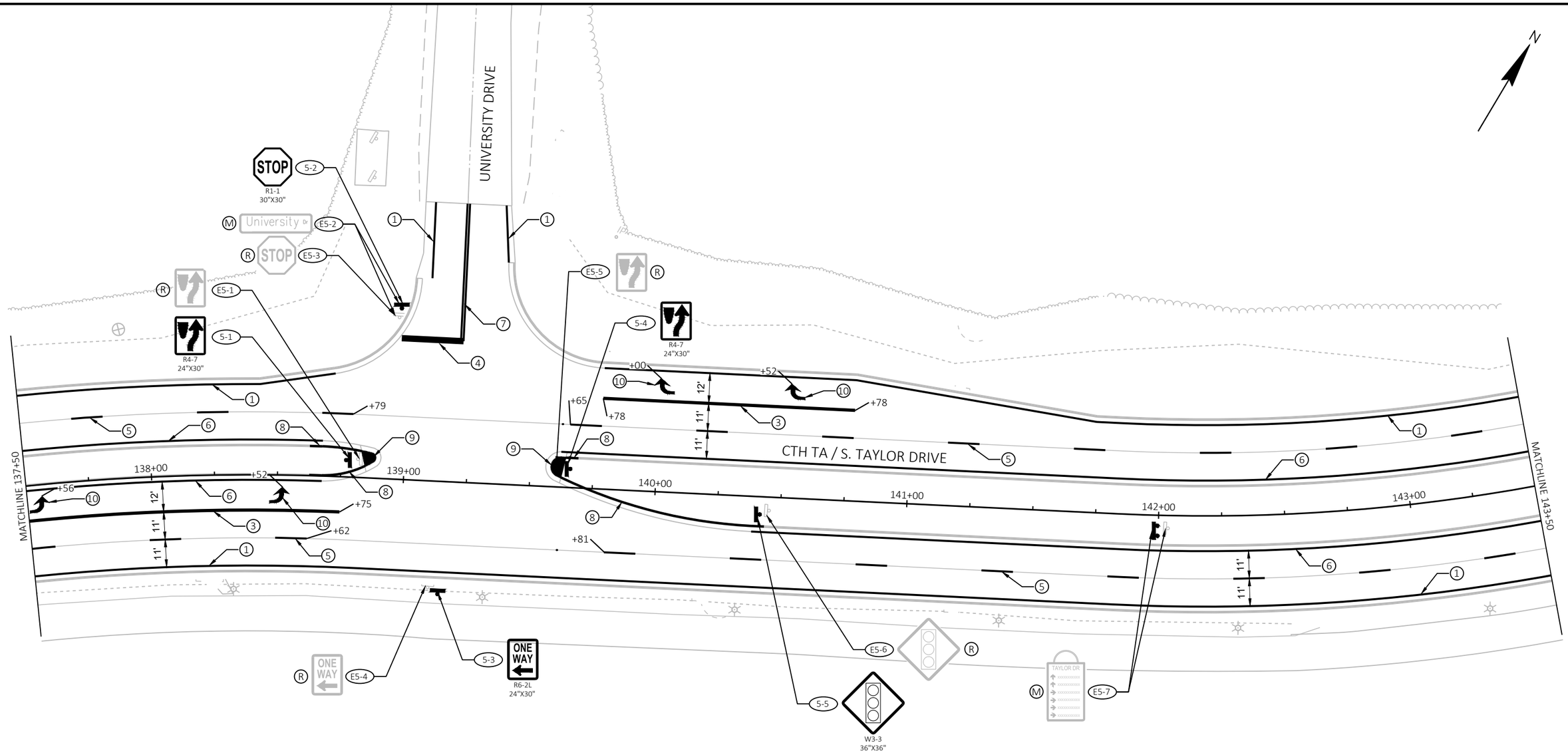
SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- (R) DENOTES EXISTING SIGN TO BE REMOVED
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 98	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023204_ps
PLOT DATE : 7/31/2023 2:48 PM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
2. MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH (WHITE)
3. MARKING LINE PAINT 8-INCH (WHITE)
4. MARKING STOP LINE PAINT 18-INCH (WHITE)
5. MARKING LINE PAINT 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
6. MARKING LINE PAINT 4-INCH (YELLOW)
7. MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8. MARKING CURB PAINT (YELLOW)
9. MARKING ISLAND NOSE PAINT
10. MARKING ARROW PAINT
11. MARKING WORD PAINT

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- (R) DENOTES EXISTING SIGN TO BE REMOVED
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 99	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023205_ps

PLOT DATE : 7/31/2023 2:48 PM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

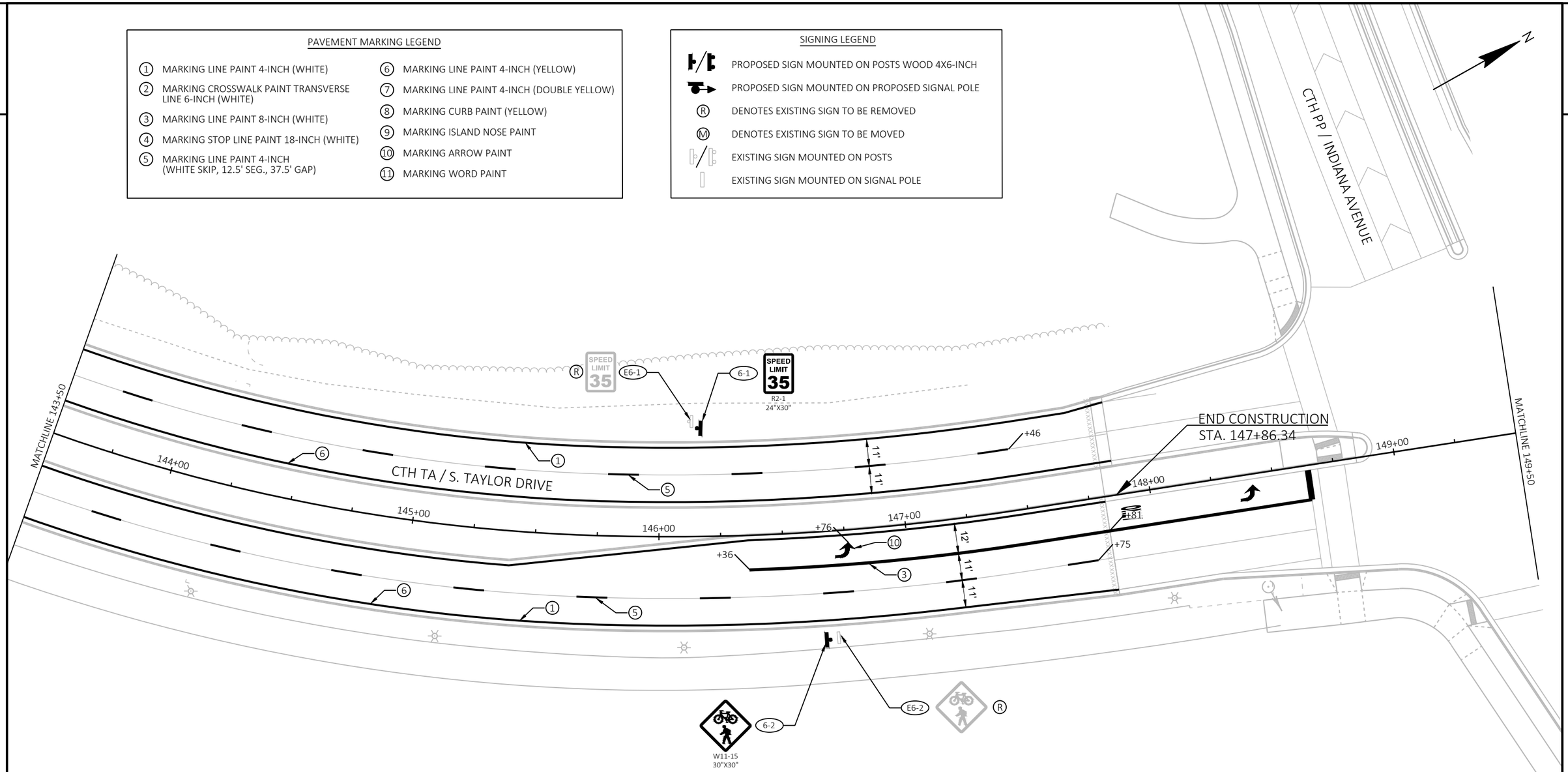
2

PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
2. MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH (WHITE)
3. MARKING LINE PAINT 8-INCH (WHITE)
4. MARKING STOP LINE PAINT 18-INCH (WHITE)
5. MARKING LINE PAINT 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
6. MARKING LINE PAINT 4-INCH (YELLOW)
7. MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8. MARKING CURB PAINT (YELLOW)
9. MARKING ISLAND NOSE PAINT
10. MARKING ARROW PAINT
11. MARKING WORD PAINT

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- (R) DENOTES EXISTING SIGN TO BE REMOVED
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 100	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023206_ps
PLOT DATE : 7/31/2023 2:48 PM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
2. MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH (WHITE)
3. MARKING LINE PAINT 8-INCH (WHITE)
4. MARKING STOP LINE PAINT 18-INCH (WHITE)
5. MARKING LINE PAINT 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
6. MARKING LINE PAINT 4-INCH (YELLOW)
7. MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8. MARKING CURB PAINT (YELLOW)
9. MARKING ISLAND NOSE PAINT
10. MARKING ARROW PAINT
11. MARKING WORD PAINT

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- (R) DENOTES EXISTING SIGN TO BE REMOVED
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

N

MATCHLINE 149+50

150+00

151+00

152+00

153+00

154+00

155+00

MATCHLINE 155+50

BEGIN CONSTRUCTION
STA. 153+22.14

+33

+73

12'

13'

12'

12'

E7-2

M

1

6

5

CTH TA / S. TAYLOR DRIVE

TAYLOR DR

SPEED LIMIT 35
R2-1
24"X30"

7-1

E7-1

SPEED LIMIT 35

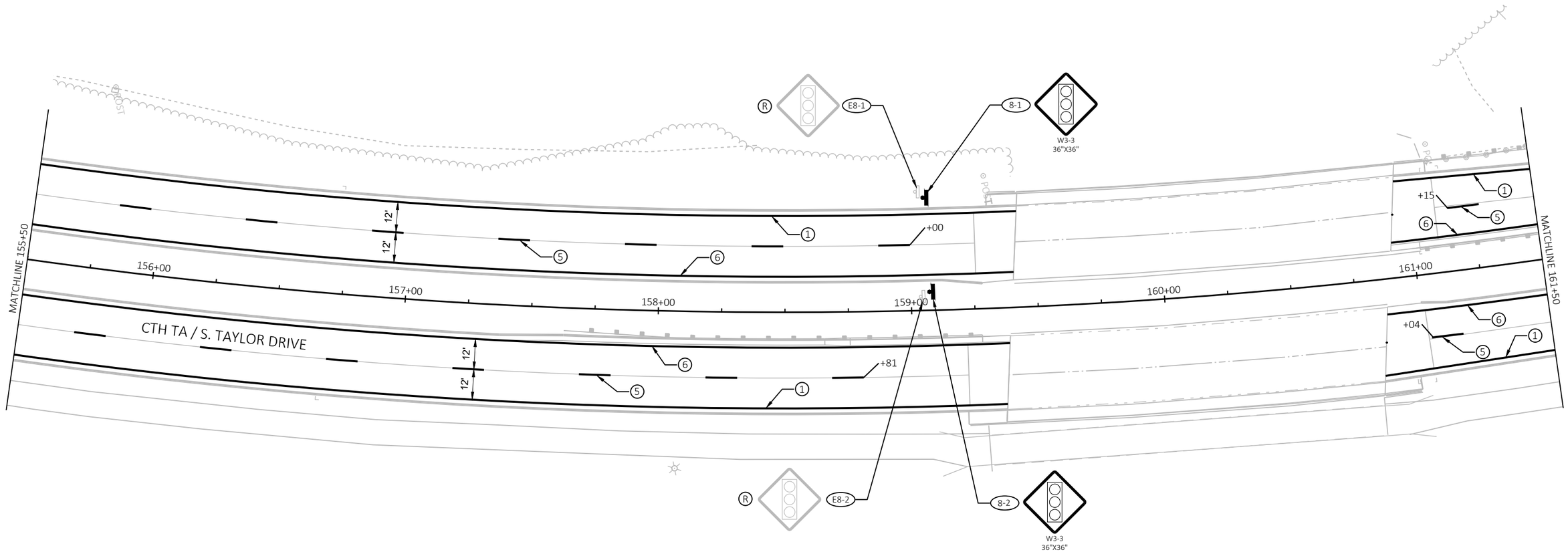
R

CTH PP / INDIANA AVENUE

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 101	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023207_ps
PLOT DATE : 7/31/2023 2:48 PM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



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11. MARKING WORD PAINT

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
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- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 102	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023208_ps
PLOT DATE : 7/31/2023 2:48 PM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
2. MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH (WHITE)
3. MARKING LINE PAINT 8-INCH (WHITE)
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SIGNING LEGEND

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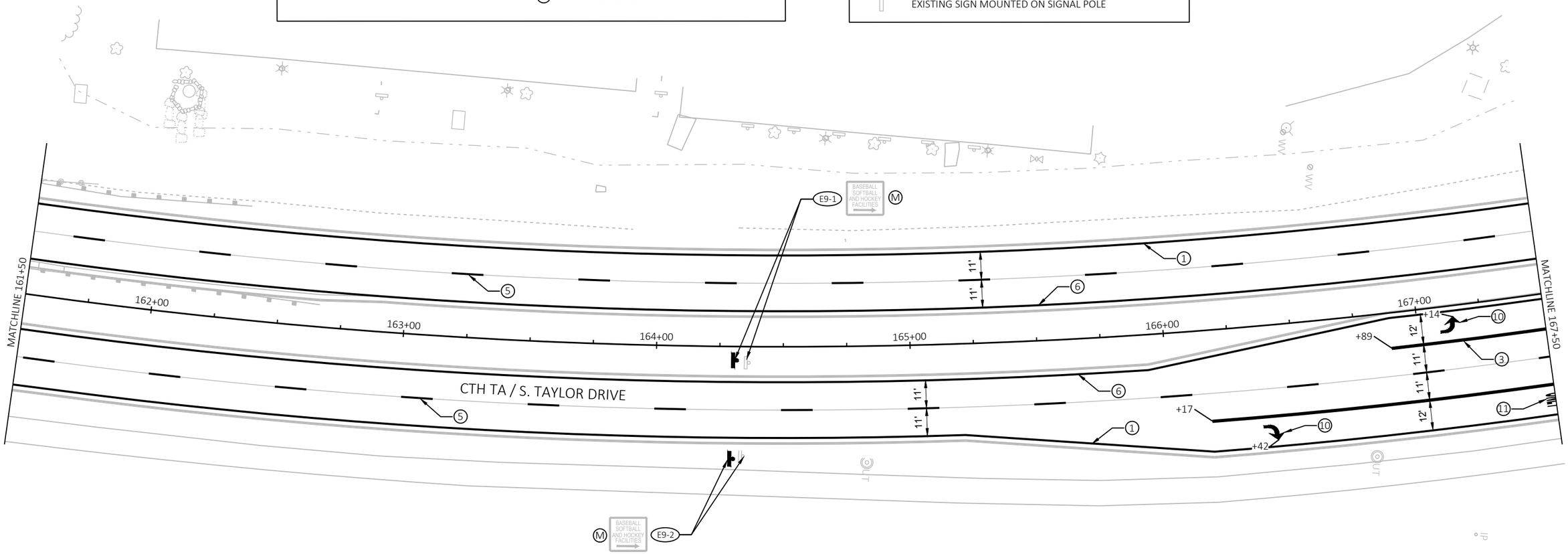
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

N



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 103	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023209_ps
PLOT DATE : 7/31/2023 2:48 PM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
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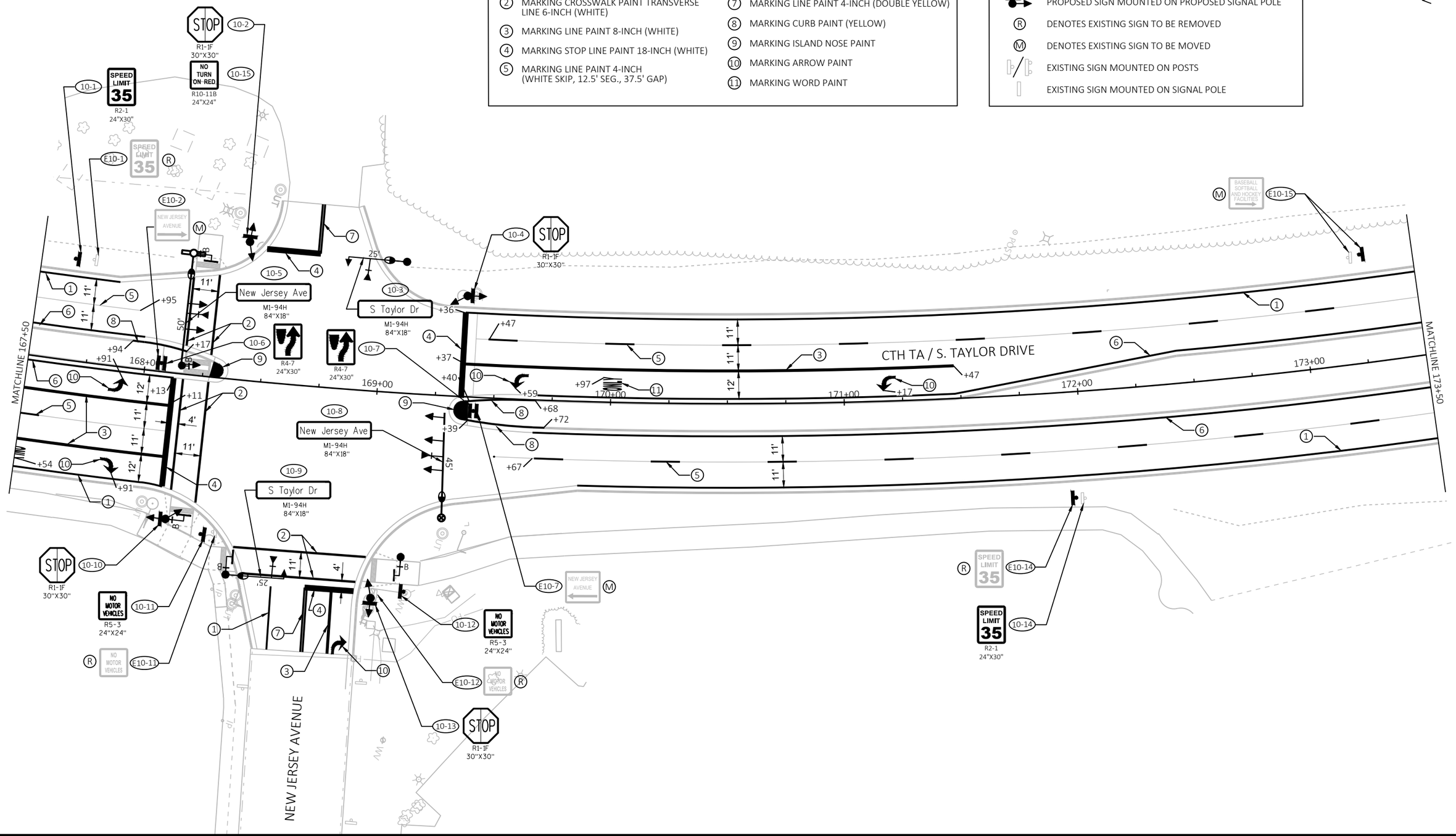
N



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 104	E

2

PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
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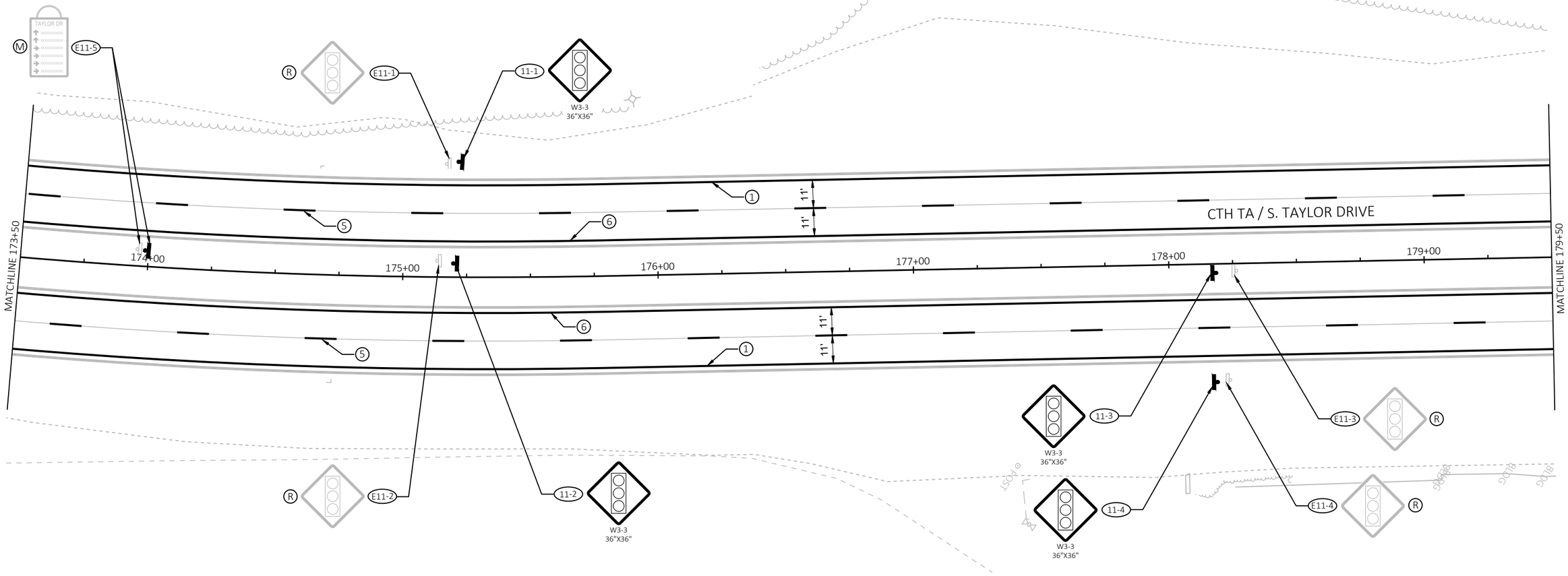

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 105	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023211_ps

PLOT DATE : 7/31/2023 2:49 PM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

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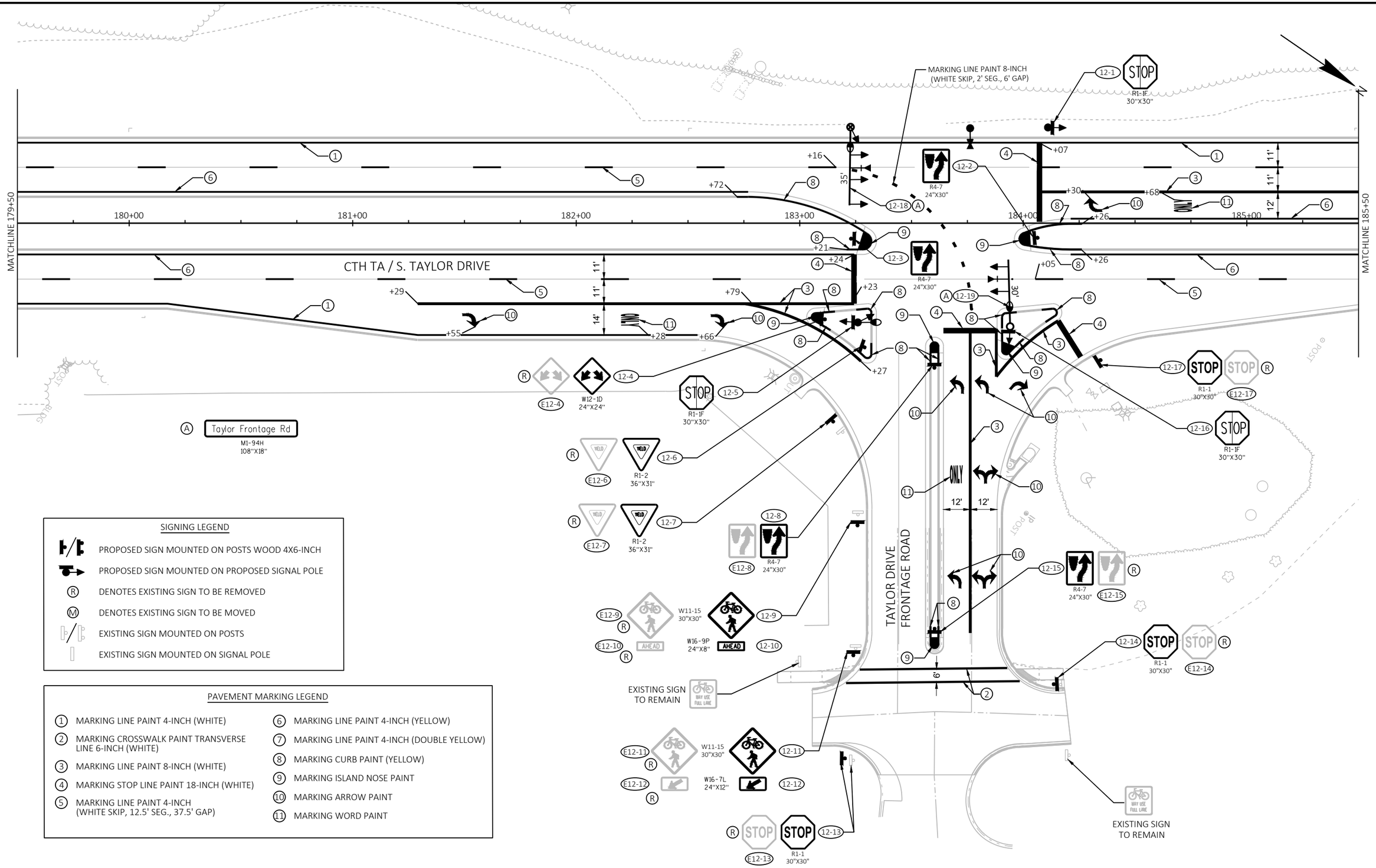

SIGNING LEGEND

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9. MARKING ISLAND NOSE PAINT
10. MARKING ARROW PAINT
11. MARKING WORD PAINT

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 106	E

2

PAVEMENT MARKING LEGEND

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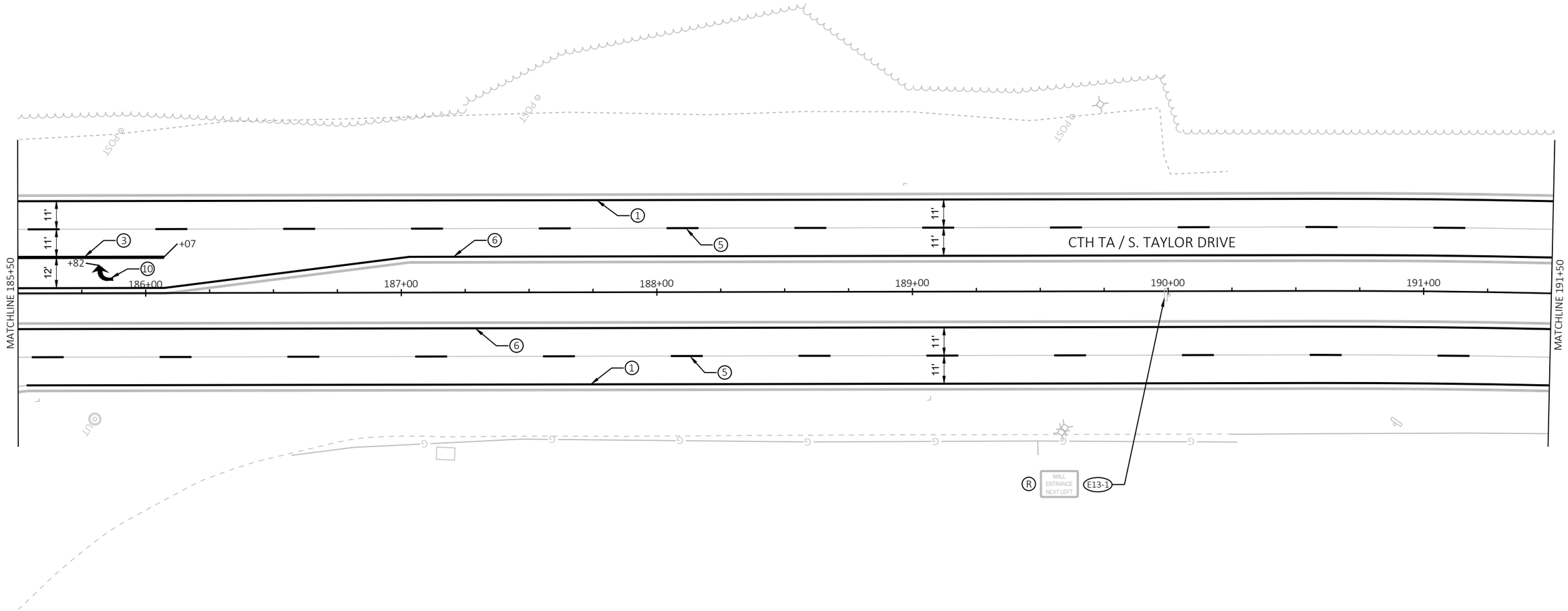
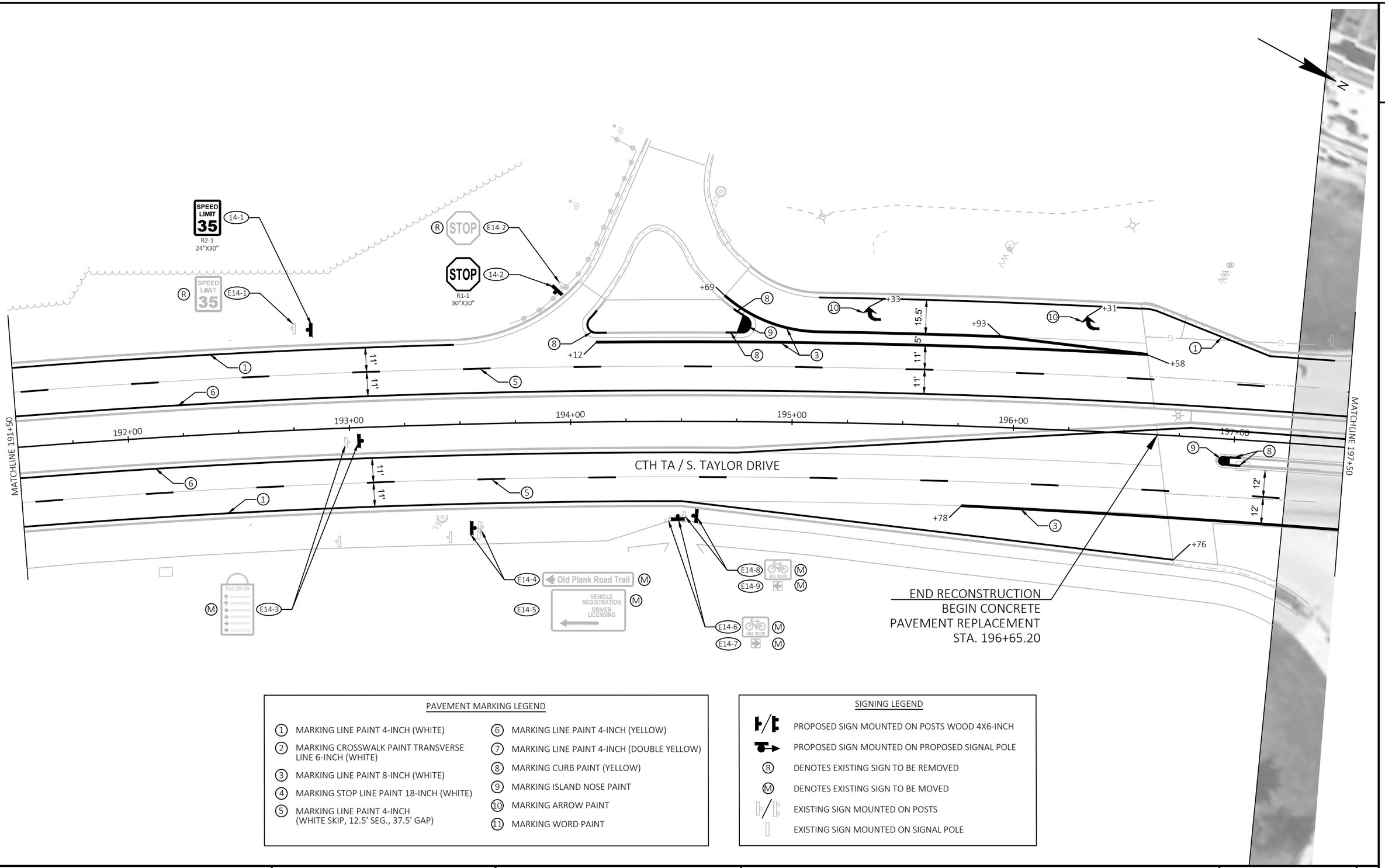


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 107	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023213_ps

PLOT DATE : 7/31/2023 2:49 PM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



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11. MARKING WORD PAINT

SIGNING LEGEND

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- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
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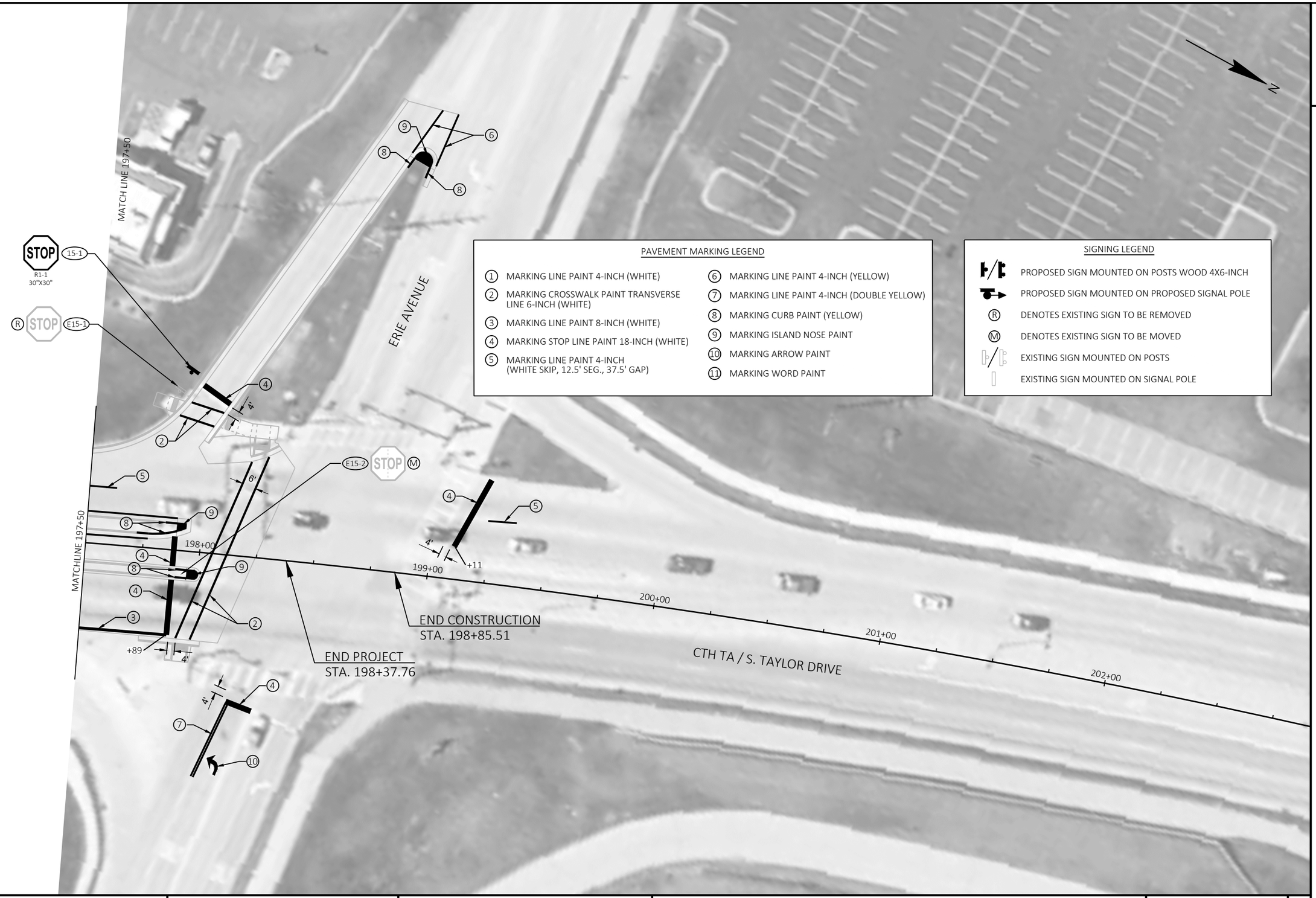
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 108	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023214_ps
PLOT DATE : 7/31/2023 2:49 PM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



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11. MARKING WORD PAINT

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS WOOD 4X6-INCH
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- (R) DENOTES EXISTING SIGN TO BE REMOVED
- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 109	E

2

MEIJER DRIVEWAY

CTH TA / S. TAYLOR DRIVE

204+00 205+00 206+00 207+00 208+00 209+00

MATCHLINE 209+50

4

+39

PAVEMENT MARKING LEGEND

1. MARKING LINE PAINT 4-INCH (WHITE)
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- (M) DENOTES EXISTING SIGN TO BE MOVED
- EXISTING SIGN MOUNTED ON POSTS
- EXISTING SIGN MOUNTED ON SIGNAL POLE

MATCHLINE 209+50

CTH TA / S. TAYLOR DRIVE

5

+22

+85

210+00 211+00 212+00 213+00 214+00 215+00

KOHLER MEMORIAL DRIVE

N

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 110	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023216_ps

PLOT DATE : 7/31/2023 2:49 PM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

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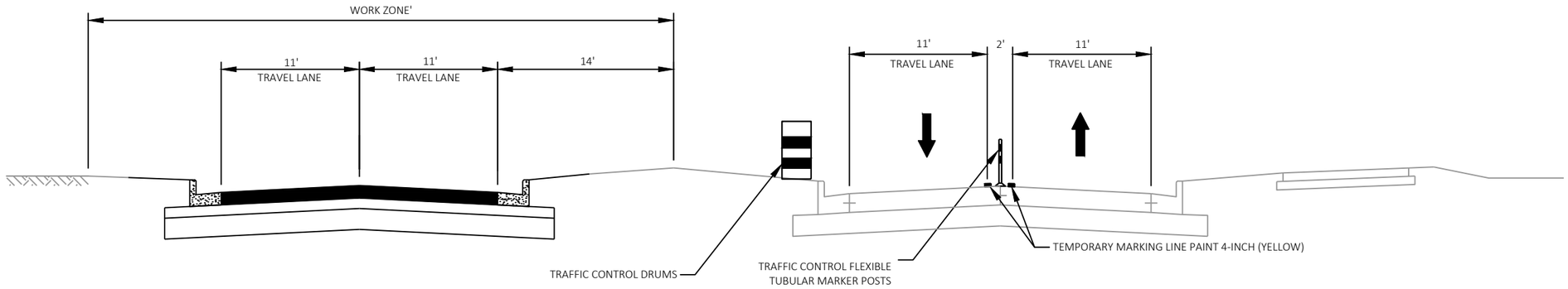
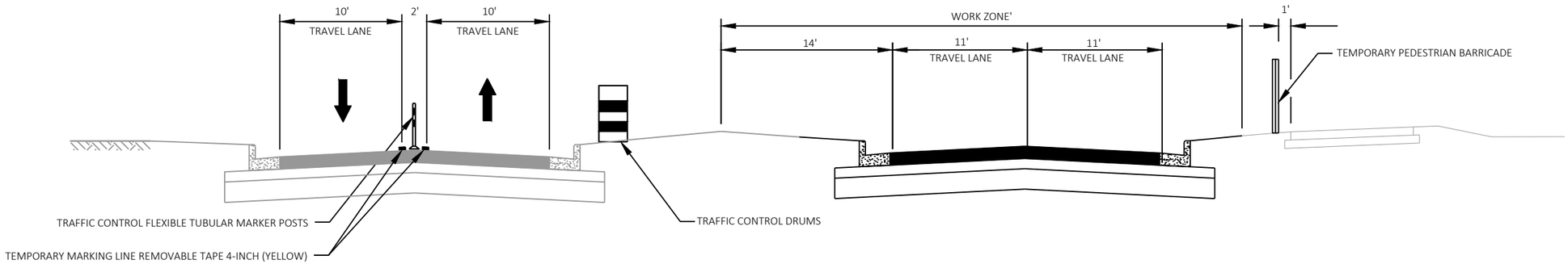


STAGING TYPICAL SECTION
CTH TA / S. TAYLOR DRIVE
STAGE 1

STA. 115+60- STA. 196+65

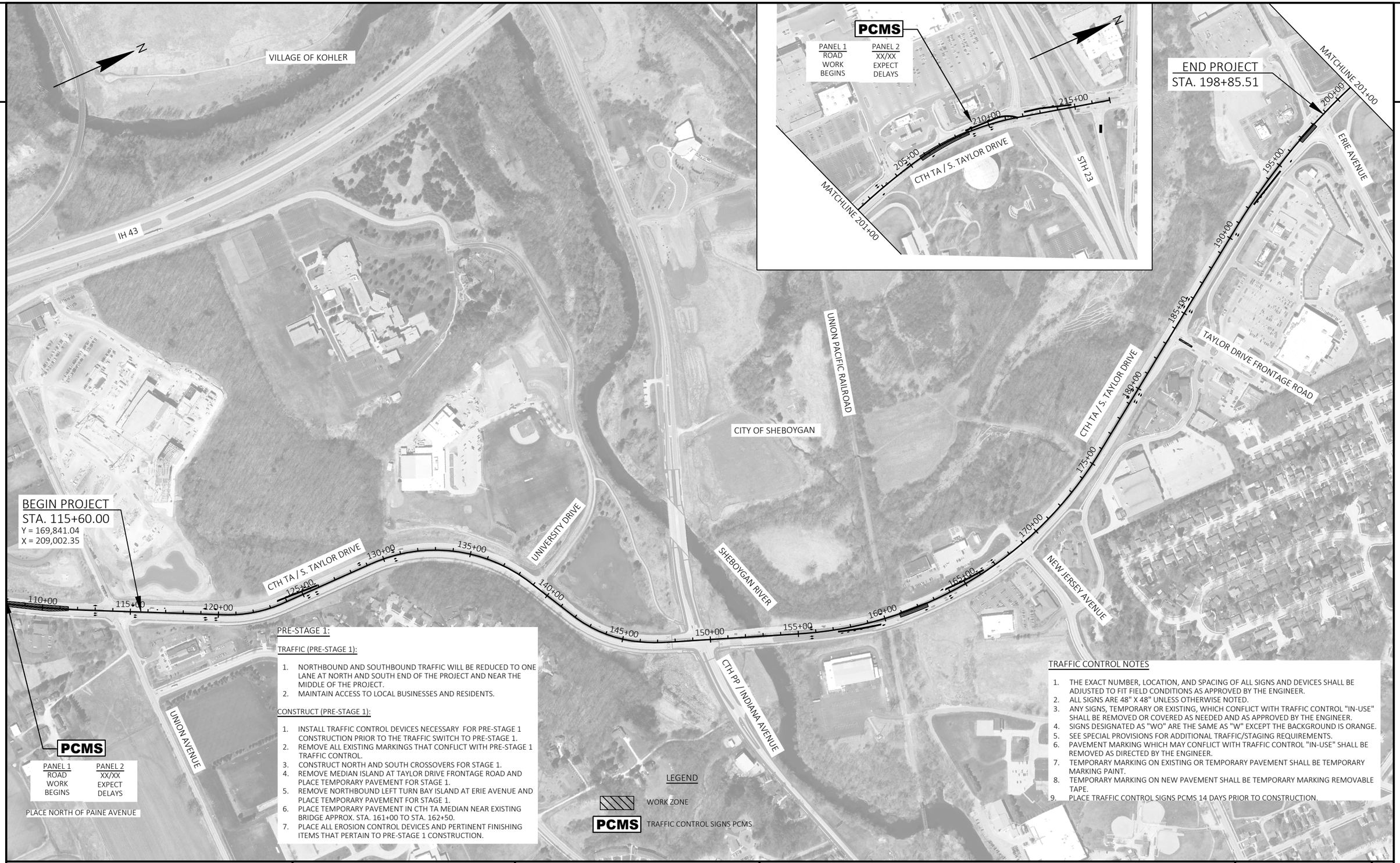


STAGING TYPICAL SECTION
CTH TA / S. TAYLOR DRIVE
STAGE 2

STA. 115+60- STA. 196+65

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 111	E

2



PRE-STAGE 1:

TRAFFIC (PRE-STAGE 1):

1. NORTHBOUND AND SOUTHBOUND TRAFFIC WILL BE REDUCED TO ONE LANE AT NORTH AND SOUTH END OF THE PROJECT AND NEAR THE MIDDLE OF THE PROJECT.
2. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.

CONSTRUCT (PRE-STAGE 1):

1. INSTALL TRAFFIC CONTROL DEVICES NECESSARY FOR PRE-STAGE 1 CONSTRUCTION PRIOR TO THE TRAFFIC SWITCH TO PRE-STAGE 1.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH PRE-STAGE 1 TRAFFIC CONTROL.
3. CONSTRUCT NORTH AND SOUTH CROSSOVERS FOR STAGE 1.
4. REMOVE MEDIAN ISLAND AT TAYLOR DRIVE FRONTAGE ROAD AND PLACE TEMPORARY PAVEMENT FOR STAGE 1.
5. REMOVE NORTHBOUND LEFT TURN BAY ISLAND AT ERIE AVENUE AND PLACE TEMPORARY PAVEMENT FOR STAGE 1.
6. PLACE TEMPORARY PAVEMENT IN CTH TA MEDIAN NEAR EXISTING BRIDGE APPROX. STA. 161+00 TO STA. 162+50.
7. PLACE ALL EROSION CONTROL DEVICES AND PERTINENT FINISHING ITEMS THAT PERTAIN TO PRE-STAGE 1 CONSTRUCTION.

LEGEND

WORK ZONE

PCMS TRAFFIC CONTROL SIGNS PCMS

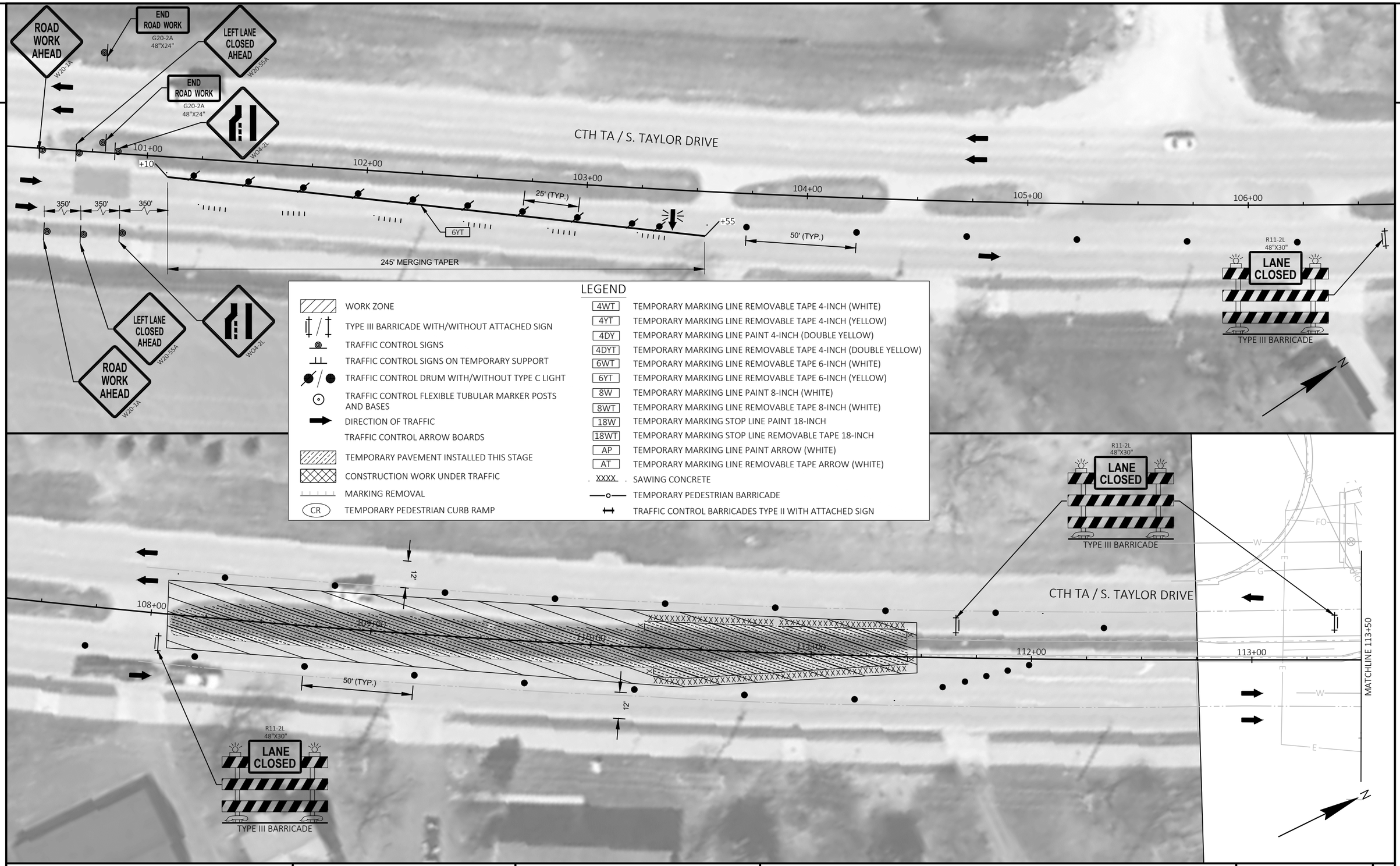
TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. 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.
4. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
6. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. TEMPORARY MARKING ON EXISTING OR TEMPORARY PAVEMENT SHALL BE TEMPORARY MARKING PAINT.
8. TEMPORARY MARKING ON NEW PAVEMENT SHALL BE TEMPORARY MARKING REMOVABLE TAPE.
9. PLACE TRAFFIC CONTROL SIGNS PCMS 14 DAYS PRIOR TO CONSTRUCTION.

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - PRE-STAGE 1 OVERVIEW	SHEET 112	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_PRESTAGE_OV.DWG
LAYOUT NAME - 025100_tc_prestage_ov
PLOT DATE : 8/1/2023 7:53 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



2

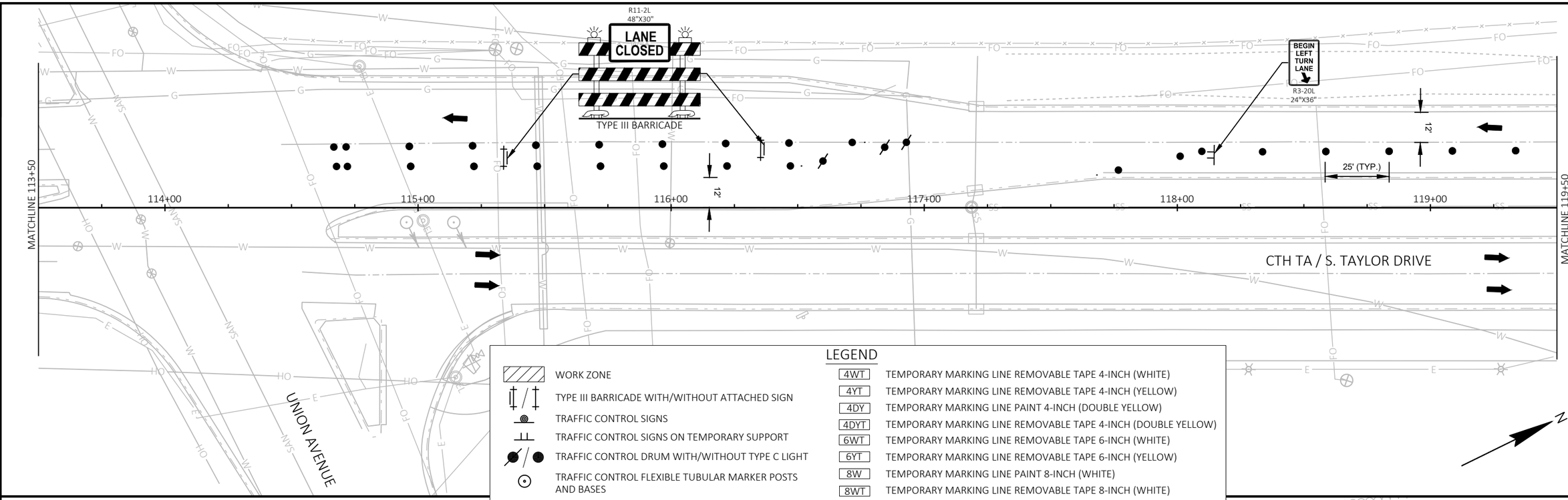
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - PRE-STAGE 1	SHEET 113	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1 PRESTAGE.DWG
LAYOUT NAME - 025100_prestage 1

PLOT DATE : 8/1/2023 7:53 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

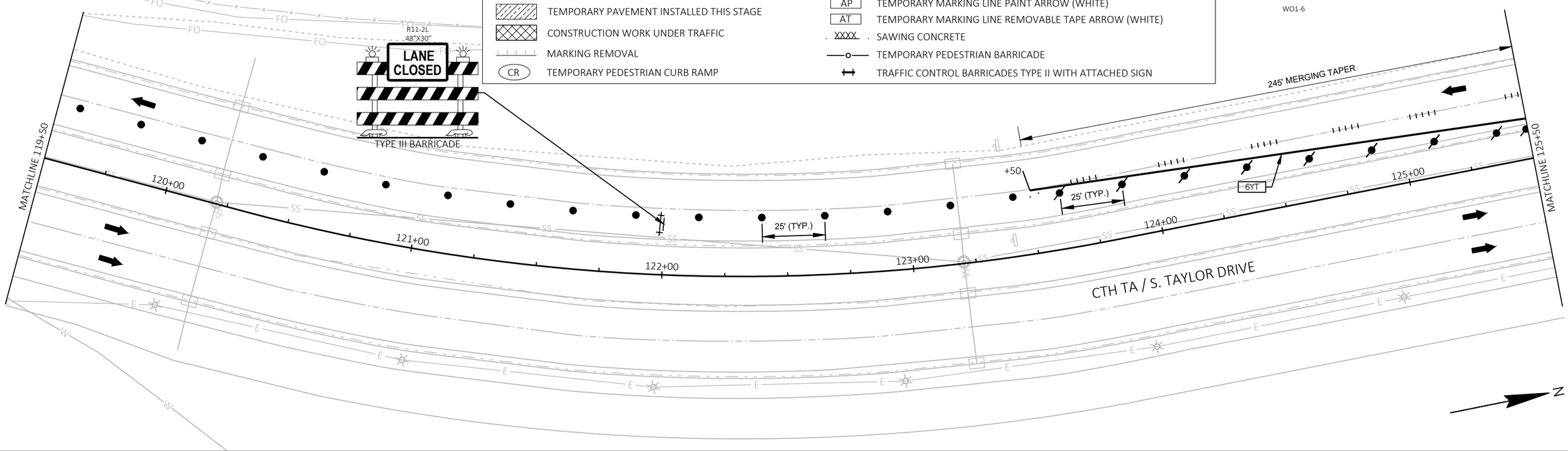
2



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

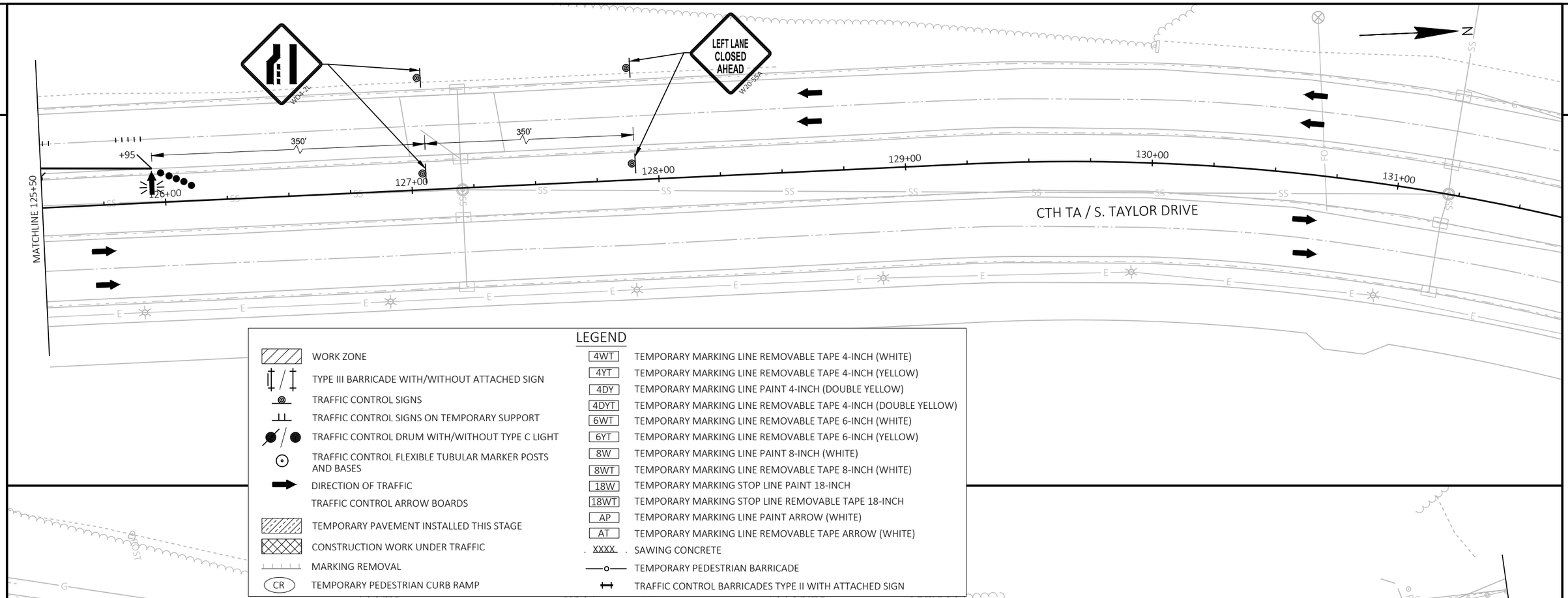
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - PRE-STAGE 1	SHEET 114	E

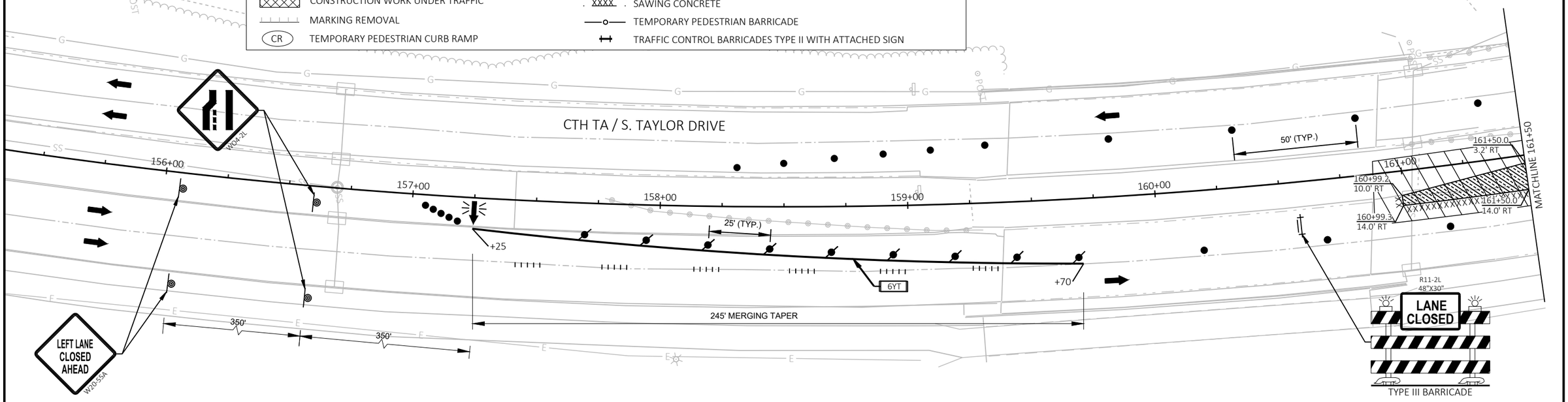
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1 PRESTAGE.DWG
LAYOUT NAME - 025101_prestage 1

PLOT DATE : 8/1/2023 7:54 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

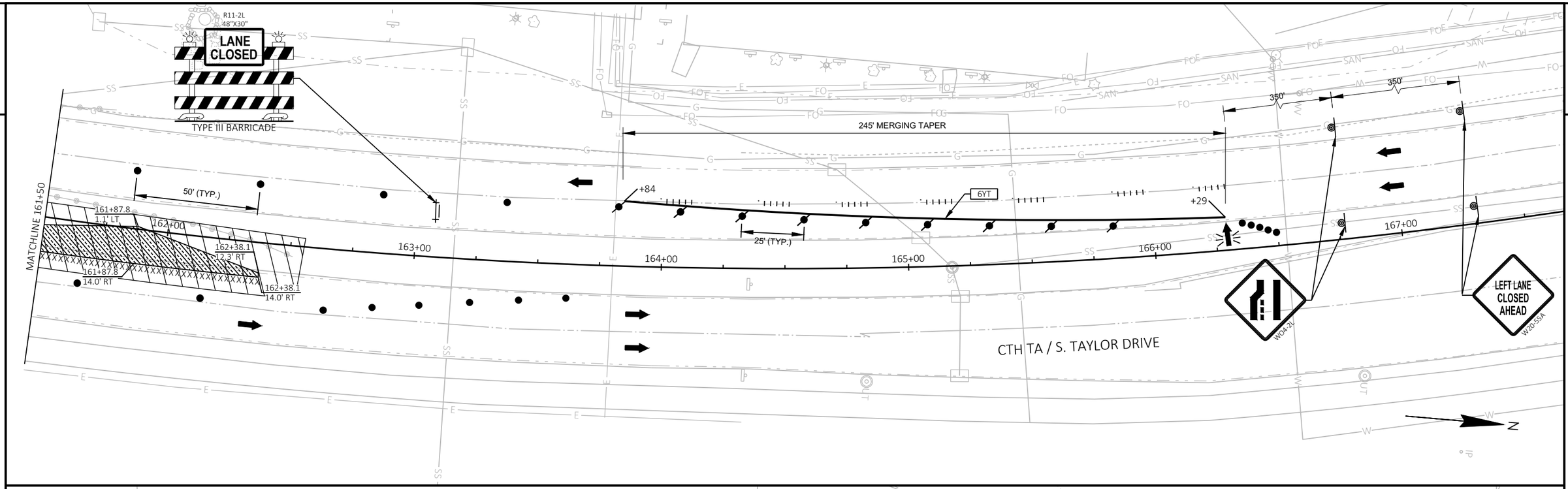
	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - PRE-STAGE 1	SHEET 115	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1 PRESTAGE.DWG
LAYOUT NAME - 025102_prestage 1
PLOT DATE : 8/1/2023 7:54 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - PRE-STAGE 1	SHEET 116	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1 PRESTAGE.DWG
LAYOUT NAME - 025103_prestage 1
PLOT DATE : 8/1/2023 7:54 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

2

LEFT LANE CLOSED AHEAD
W20-5A

W04-2L

192+00

193+00

194+00

195+00

196+00

197+00

+33

+79

25' (TYP.)

6YT

12'

245' MERGING TAPER

350'

350'

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

CTH TA / S. TAYLOR DRIVE

R3-2
24"X24"

INLET COVERS TYPE DW REQ'D

MATCHLINE 197+50

LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

ERIE AVENUE

R9-11AL
24"X12"

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

MATCHLINE 197+50

198+00

199+00

200+00

201+00

202+00

203+00

MATCHLINE 203+50

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

CTH TA / S. TAYLOR DRIVE

12'

25' (TYP.)

BEGIN LEFT TURN LANE

R3-20L
24"X36"

R3-2
24"X24"

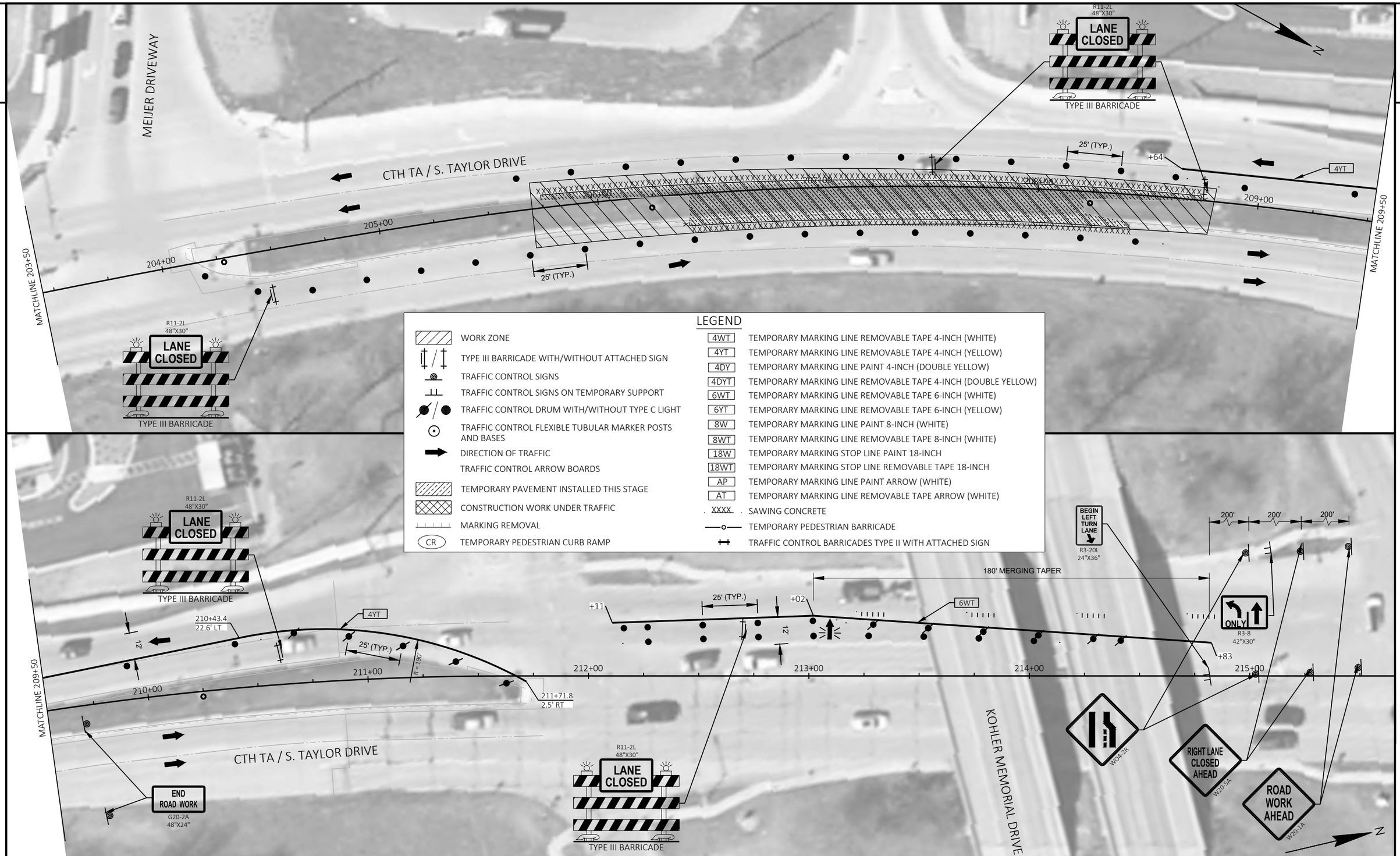
R9-11AR
24"X12"

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - PRE-STAGE 1	SHEET 117	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1 PRESTAGE.DWG
LAYOUT NAME - 025108_prestage 1

PLOT DATE : 8/1/2023 7:54 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



LEGEND

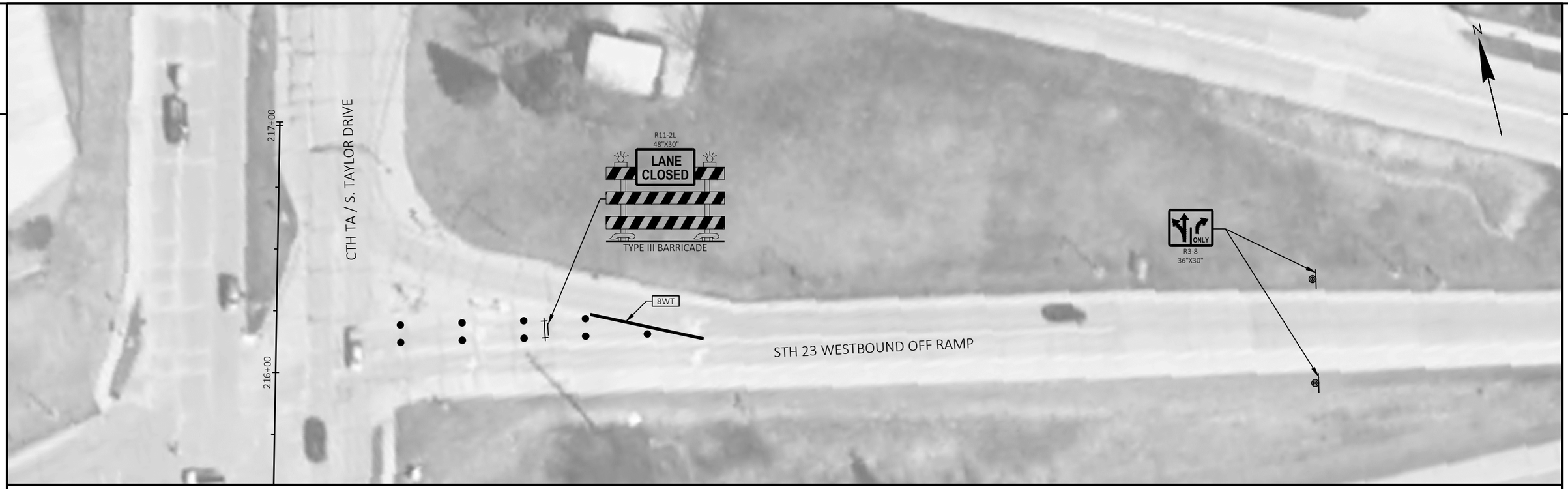
	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - PRE-STAGE 1	SHEET 118	E

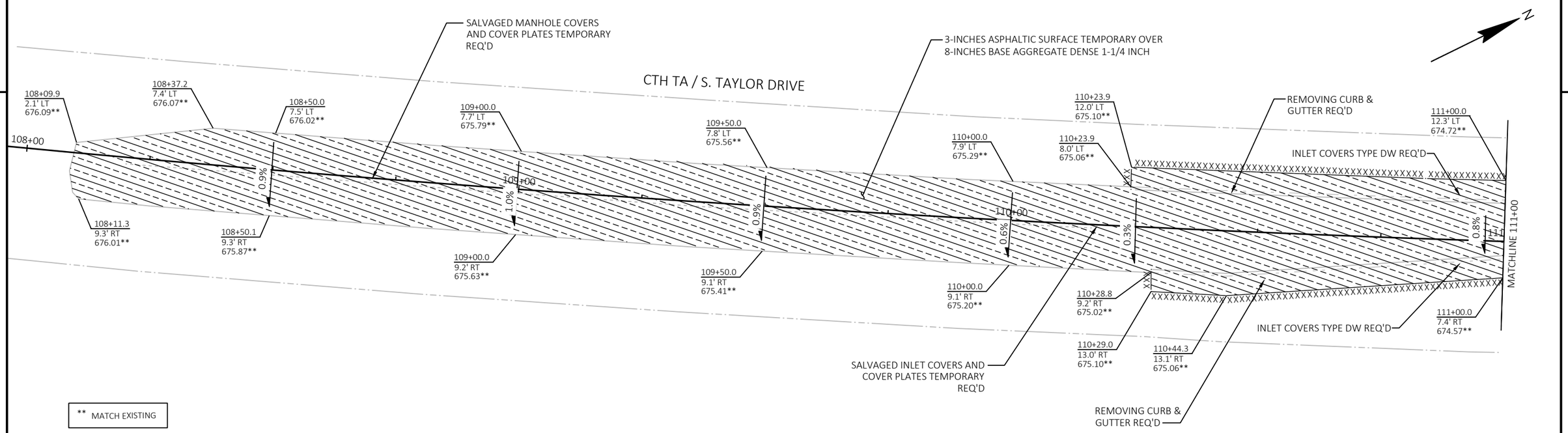
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1 PRESTAGE.DWG
LAYOUT NAME - 025109_prestage 1
PLOT DATE : 8/1/2023 7:54 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

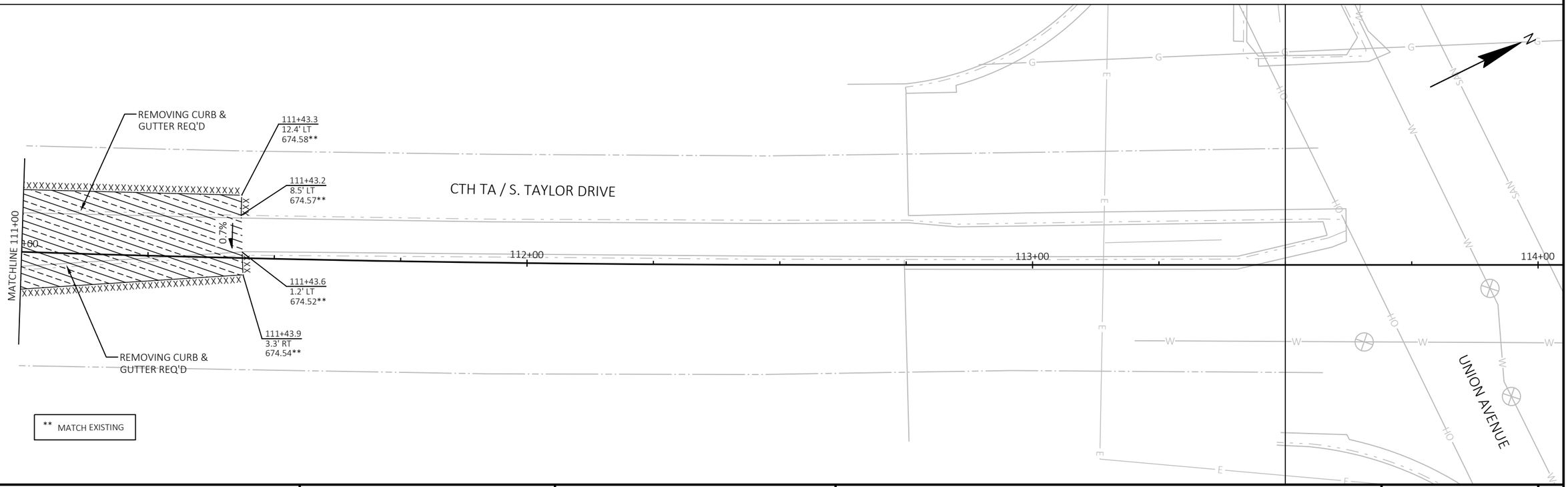
2



LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	. XXXX . — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN





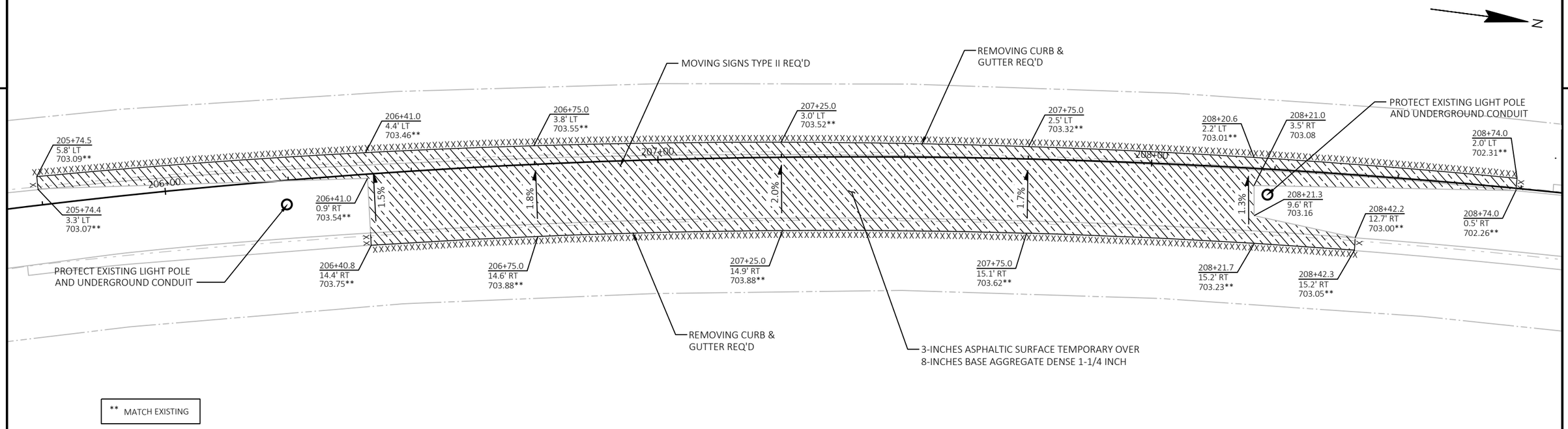
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY PAVEMENT LAYOUT - PRE-STAGE 1	SHEET 120	E

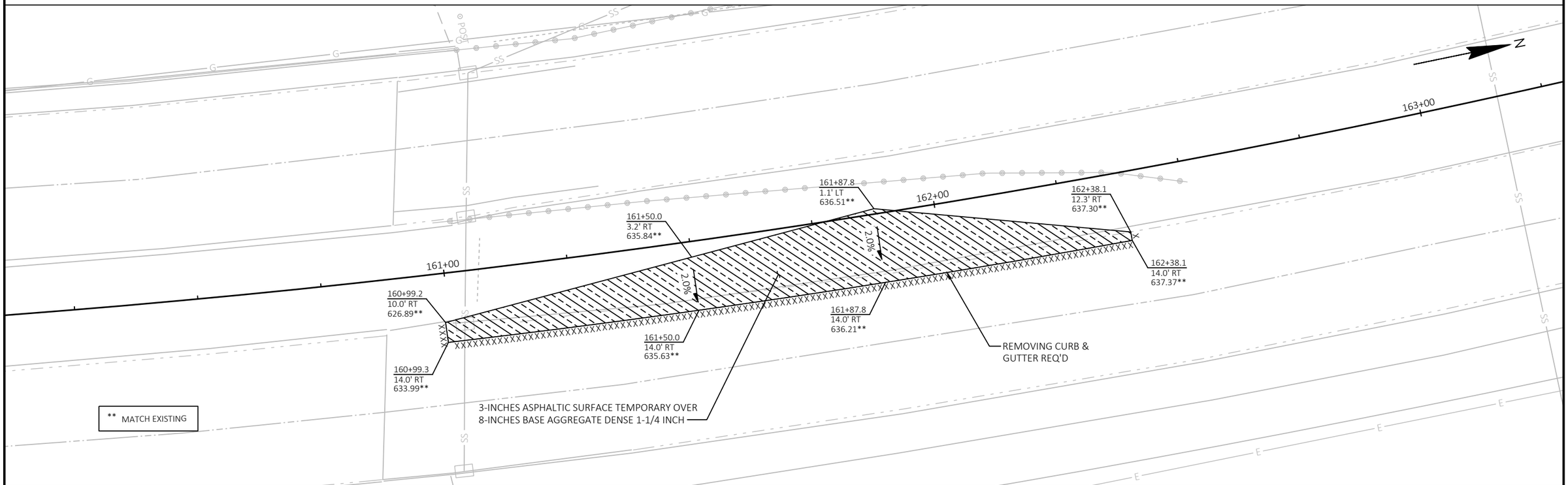
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1 PRESTAGE.DWG
LAYOUT NAME - 025111_prestage 1_pavt

PLOT DATE : 8/1/2023 7:54 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

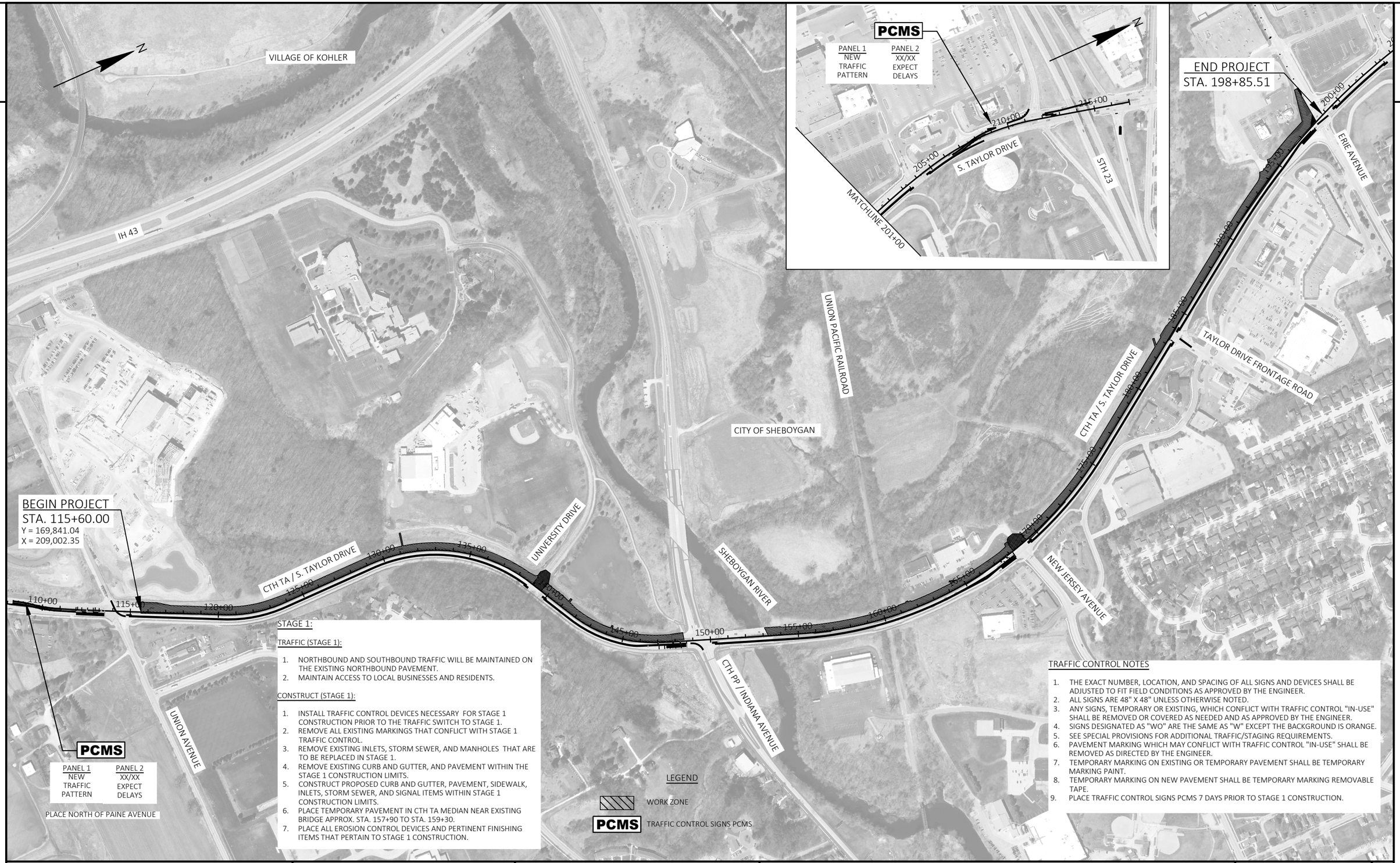




PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY PAVEMENT LAYOUT - PRE-STAGE 1	SHEET 121	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1 PRESTAGE.DWG
LAYOUT NAME - 025112_prestage 1_pavt
PLOT DATE : 8/1/2023 7:54 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : ##########

2



STAGE 1:

TRAFFIC (STAGE 1):

1. NORTHBOUND AND SOUTHBOUND TRAFFIC WILL BE MAINTAINED ON THE EXISTING NORTHBOUND PAVEMENT.
2. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.

CONSTRUCT (STAGE 1):

1. INSTALL TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE 1 CONSTRUCTION PRIOR TO THE TRAFFIC SWITCH TO STAGE 1.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE 1 TRAFFIC CONTROL.
3. REMOVE EXISTING INLETS, STORM SEWER, AND MANHOLES THAT ARE TO BE REPLACED IN STAGE 1.
4. REMOVE EXISTING CURB AND GUTTER, AND PAVEMENT WITHIN THE STAGE 1 CONSTRUCTION LIMITS.
5. CONSTRUCT PROPOSED CURB AND GUTTER, PAVEMENT, SIDEWALK, INLETS, STORM SEWER, AND SIGNAL ITEMS WITHIN STAGE 1 CONSTRUCTION LIMITS.
6. PLACE TEMPORARY PAVEMENT IN CTH TA MEDIAN NEAR EXISTING BRIDGE APPROX. STA. 157+90 TO STA. 159+30.
7. PLACE ALL EROSION CONTROL DEVICES AND PERTINENT FINISHING ITEMS THAT PERTAIN TO STAGE 1 CONSTRUCTION.

LEGEND

WORK ZONE

PCMS TRAFFIC CONTROL SIGNS PCMS

TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. 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.
4. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
6. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. TEMPORARY MARKING ON EXISTING OR TEMPORARY PAVEMENT SHALL BE TEMPORARY MARKING PAINT.
8. TEMPORARY MARKING ON NEW PAVEMENT SHALL BE TEMPORARY MARKING REMOVABLE TAPE.
9. PLACE TRAFFIC CONTROL SIGNS PCMS 7 DAYS PRIOR TO STAGE 1 CONSTRUCTION.

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET 122	E

2

2

ROAD WORK 1 MILE W20-1F

END ROAD WORK G20-2A 48"X24"

LEFT LANE CLOSED 1/2 MILE W20-5G

END ROAD WORK G20-2A 48"X24"

W04-2L

CTH TA / S. TAYLOR DRIVE

101+00

+10

102+00

103+00

104+00

105+00

106+00

2600'

1600'

1000'

6YT

25' (TYP.)

+55

50' (TYP.)

245' SHIFTING TAPER

LEFT LANE CLOSED 1/2 MILE W20-5G

W04-2L

ROAD WORK 1 MILE W20-1F

R11-2L 48"X30"

LANE CLOSED

TYPE III BARRICADE

N

LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

108+28.7
7.8' LT

108+00

11'

4WT

109+00

R = 775'

109+58.6
1.7' RT

110+00

R = 775'

25' (TYP.)

50' (TYP.)

CTH TA / S. TAYLOR DRIVE

WO1-4R

50' (TYP.)

111+00

+45

4DYT

111+11.4
11.5' RT

4YT

112+00

AT

+22

8WT

+93

113+00

18WT

AT

+15

+37

MATCHLINE 113+50

R11-2L 48"X30"

LANE CLOSED

TYPE III BARRICADE

W4-3L 48"X48"

WO1-6 48"X24"

TYPE III BARRICADE

BEGIN LEFT TURN LANE

R3-20L 24"X36"

R11-2L 48"X30"

LANE CLOSED

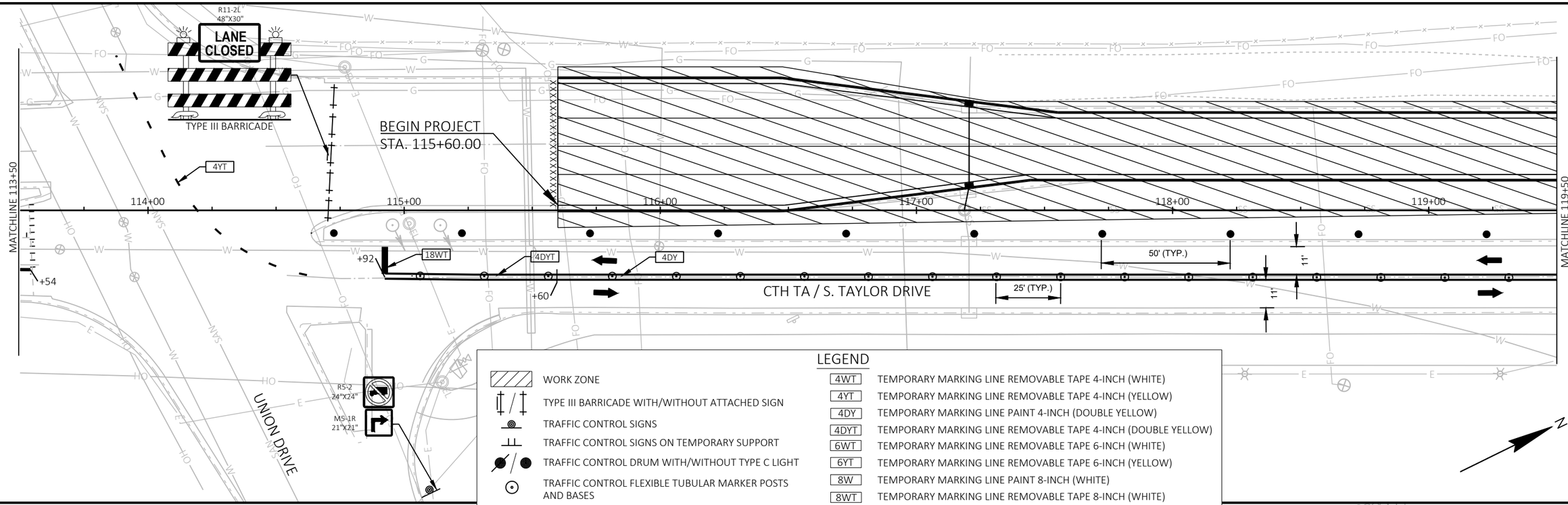
TYPE III BARRICADE

N

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 123	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025100_s1
PLOT DATE : 8/1/2023 7:55 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

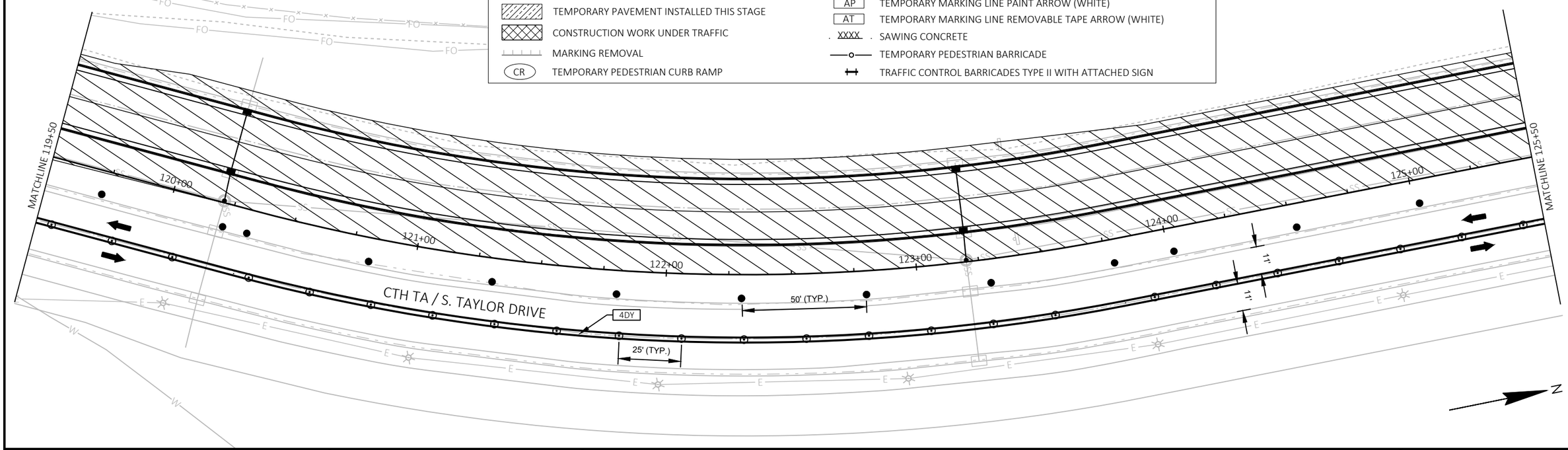
2



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

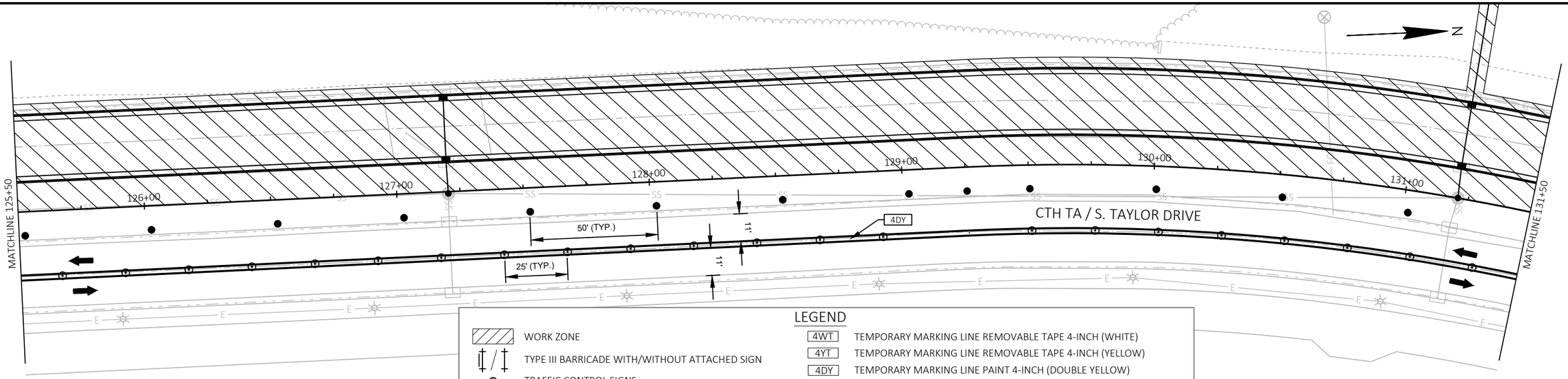
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 124 E

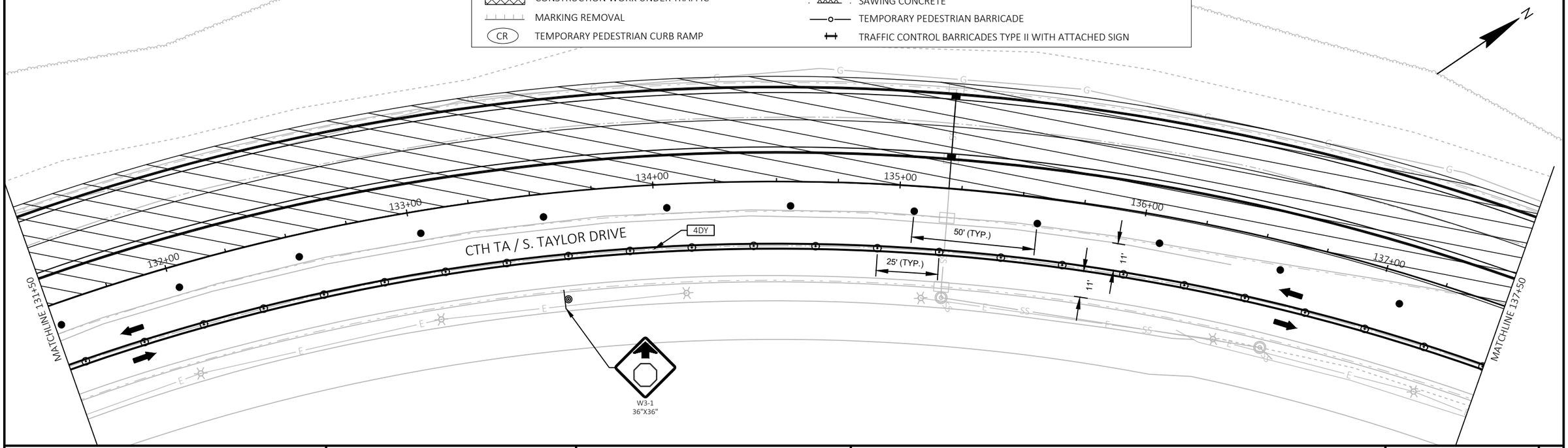
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025101_s1

PLOT DATE : 8/1/2023 7:55 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR TEMPORARY PEDESTRIAN CURB RAMP	AT TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

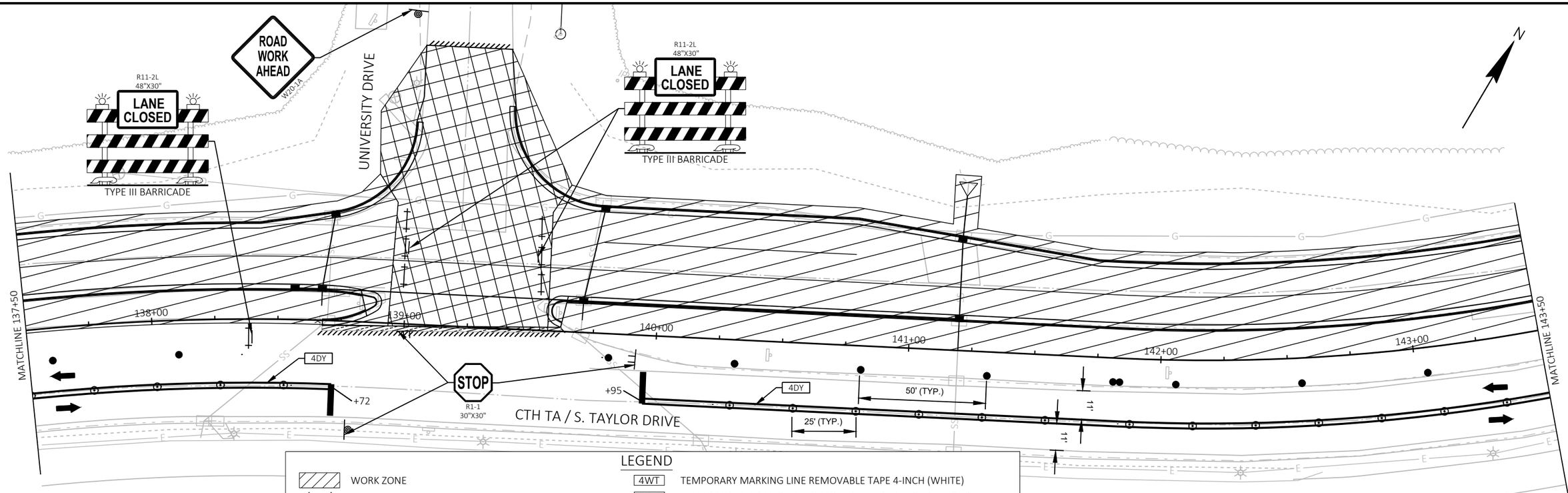


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 125	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025102_s1

PLOT DATE : 8/1/2023 7:55 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

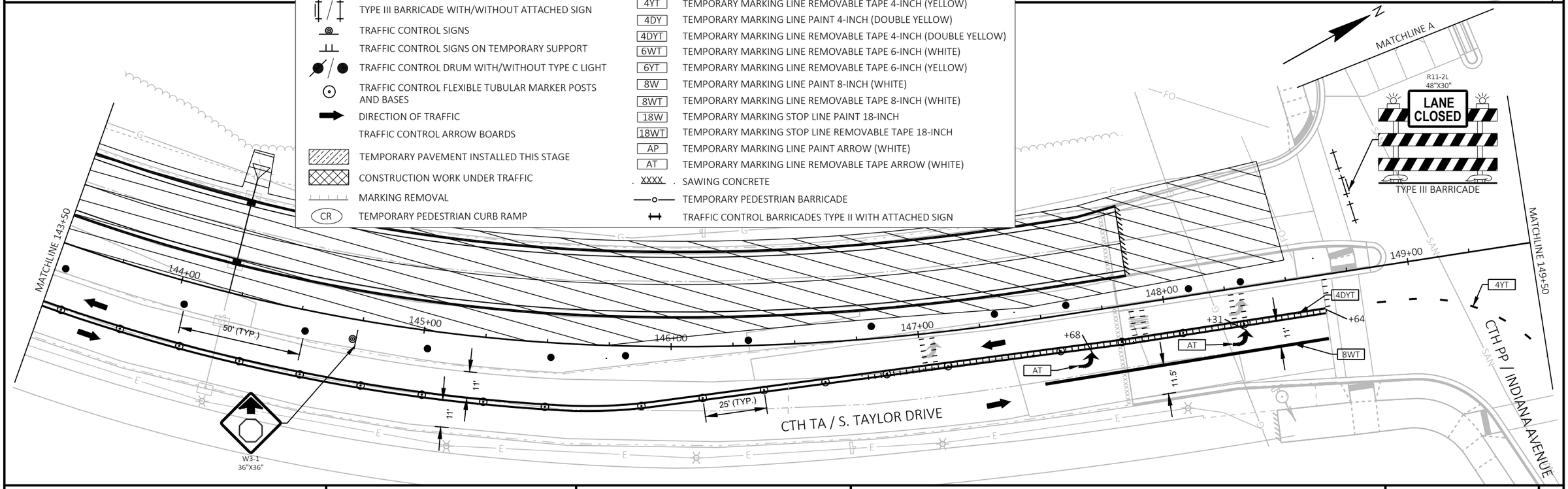
2



LEGEND

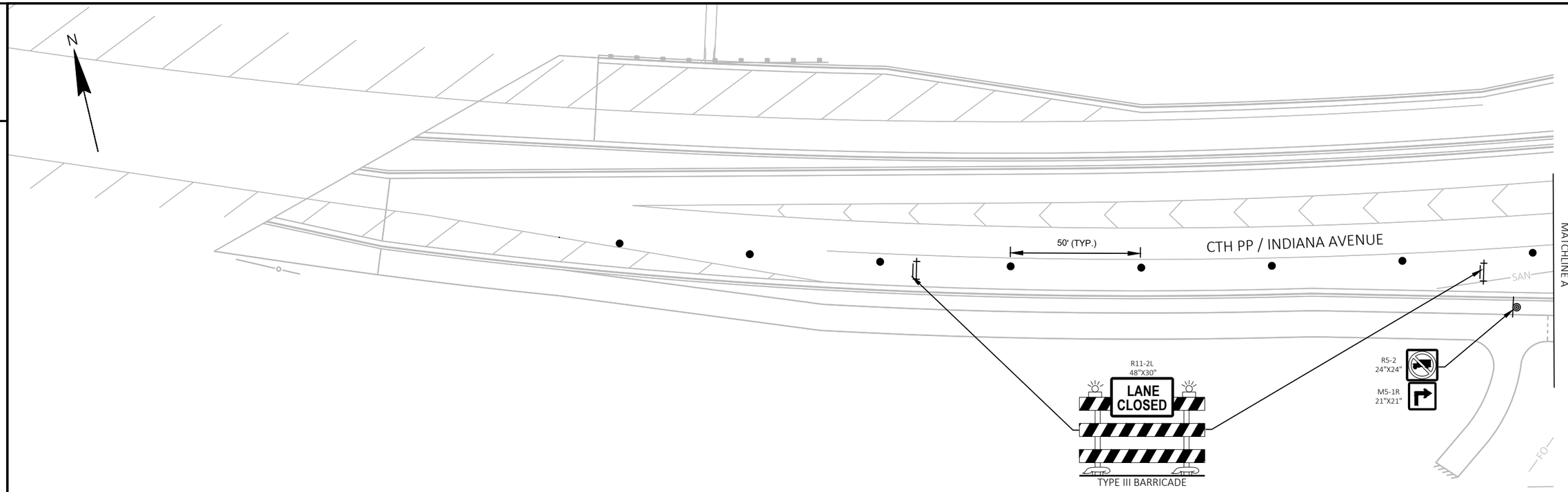
	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 126 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025103_s1
PLOT DATE : 8/1/2023 7:55 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND

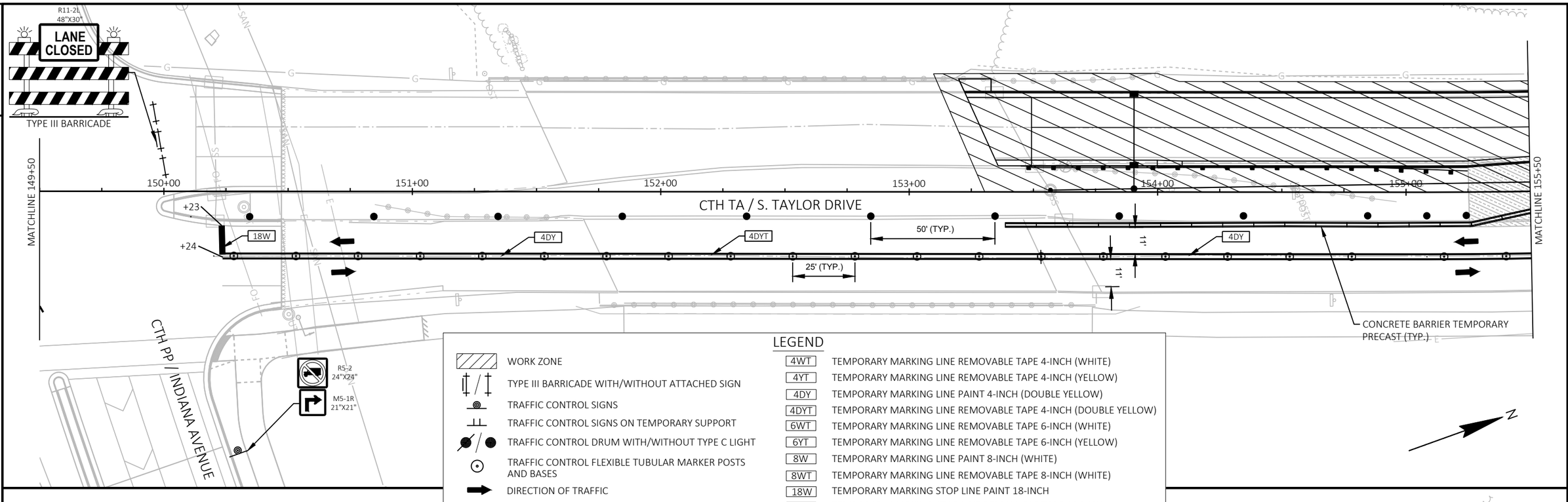
WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 127	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025103A_s1

PLOT DATE : 8/1/2023 7:55 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : ##########

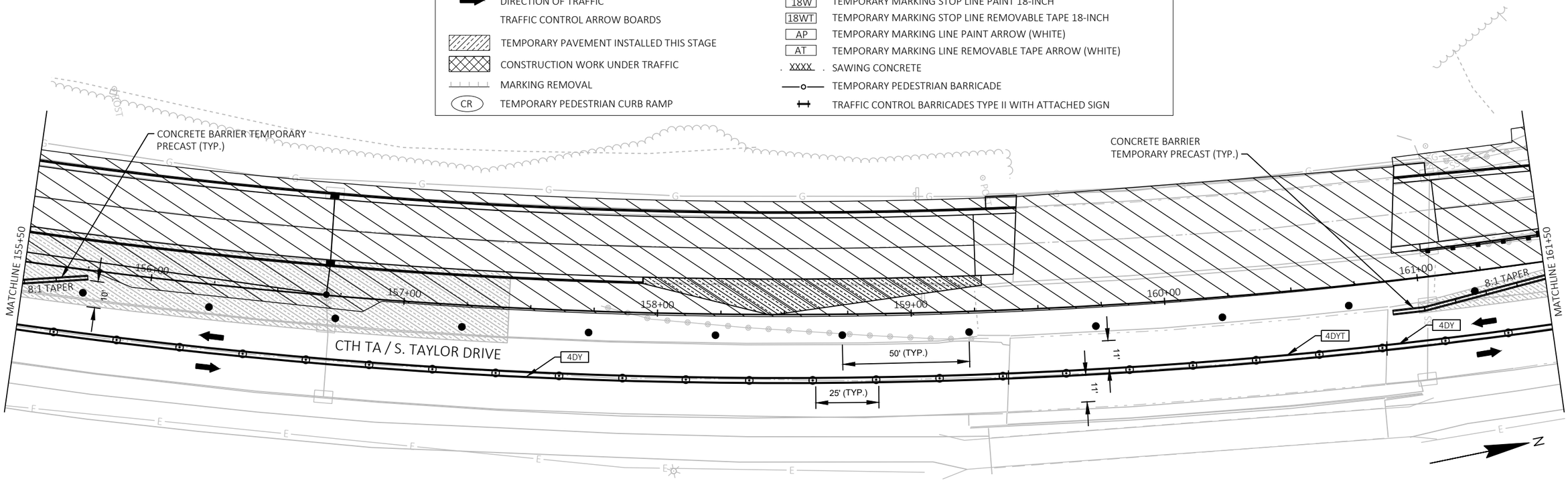
WISDOT/CADDS SHEET 44



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 128 E

2

MATCHLINE 161+50

MATCHLINE 167+50

8:1 TAPER

10'

162+00

163+00

164+00

165+00

166+00

167+00

50' (TYP.)

25' (TYP.)

11'

11'

4DY

BEGIN LEFT TURN LANE

R3-20L 24"X36"

CTH TA / S. TAYLOR DRIVE

+40

AP

8W

167+18.3
38.2' RT

166+19.5
37.6' RT

CONCRETE BARRIER TEMPORARY PRECAST (TYP.)

W3-1
36"X36"

N

MAINTAIN ACCESS AT ALL TIMES

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

MATCHLINE 167+50

MATCHLINE 173+50

168+00

169+00

170+00

171+00

172+00

173+00

STOP

R1-1
30"X30"

R5-2
24"X24"

M5-1R
21"X21"

+19

+86

+18

+36

12'

12'

16'

18W

4DY

AP

8W

CTH TA / S. TAYLOR DRIVE

50' (TYP.)

25' (TYP.)

11'

11'

NEW JERSEY AVENUE

END ROAD WORK

G20-2A
48"X24"

ROAD WORK AHEAD

W20-1A

N

LEGEND

- WORK ZONE
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- TEMPORARY PAVEMENT INSTALLED THIS STAGE
- CONSTRUCTION WORK UNDER TRAFFIC
- MARKING REMOVAL
- CR — TEMPORARY PEDESTRIAN CURB RAMP

- 4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
- 8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
- AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
- XXXX — SAWING CONCRETE
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

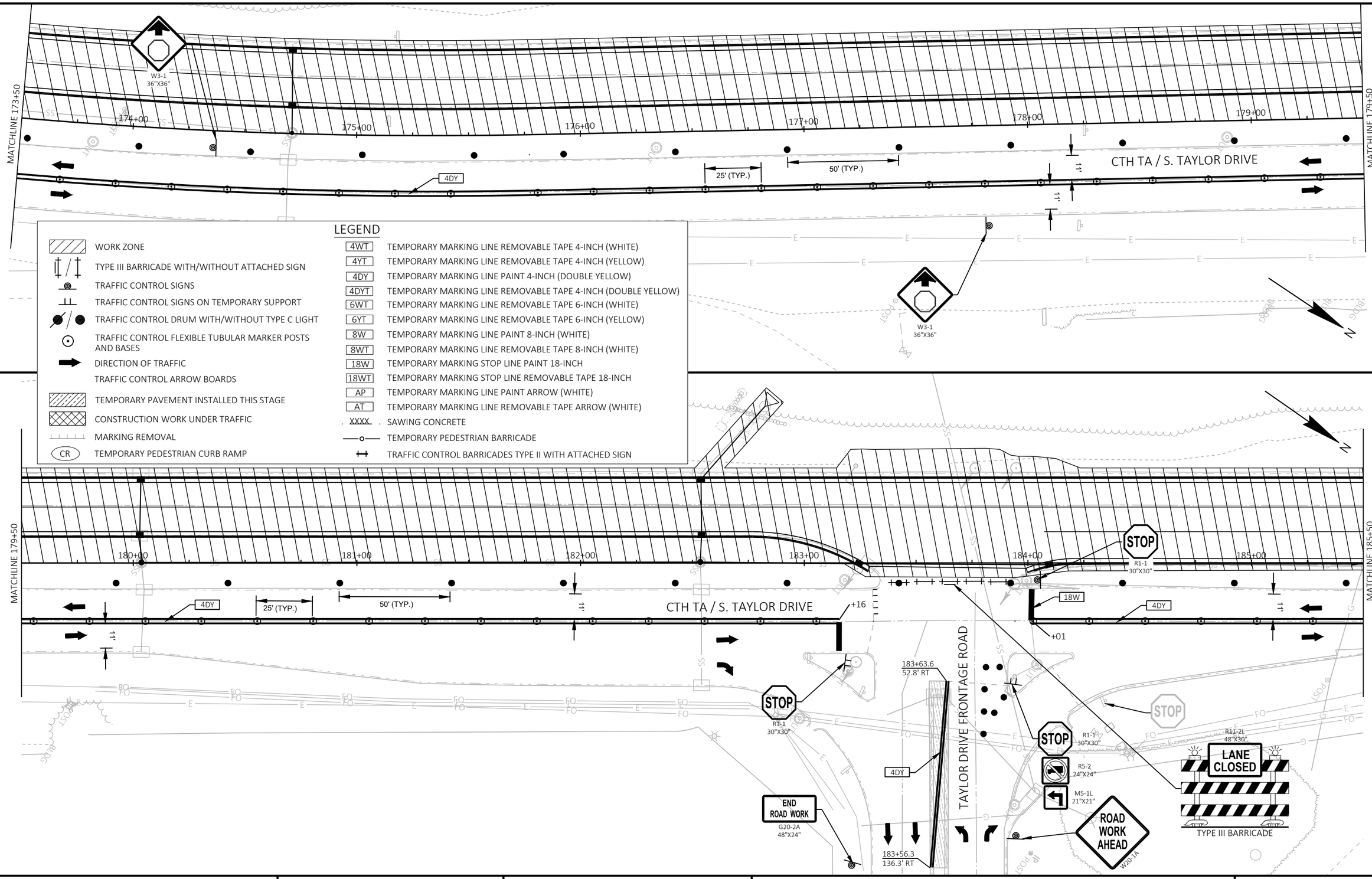
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 129	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025105_s1

PLOT DATE : 8/1/2023 7:55 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



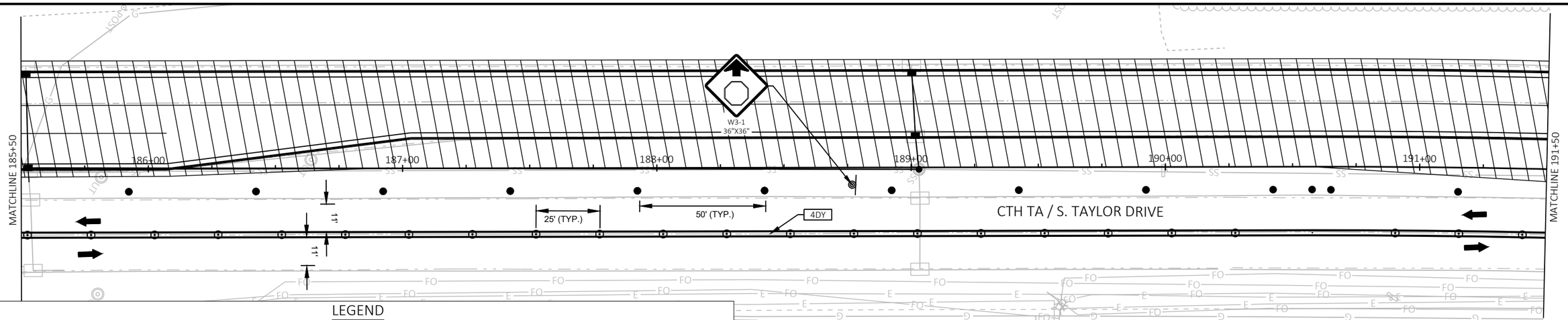
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 130 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025106_s1

PLOT DATE : 8/1/2023 7:56 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

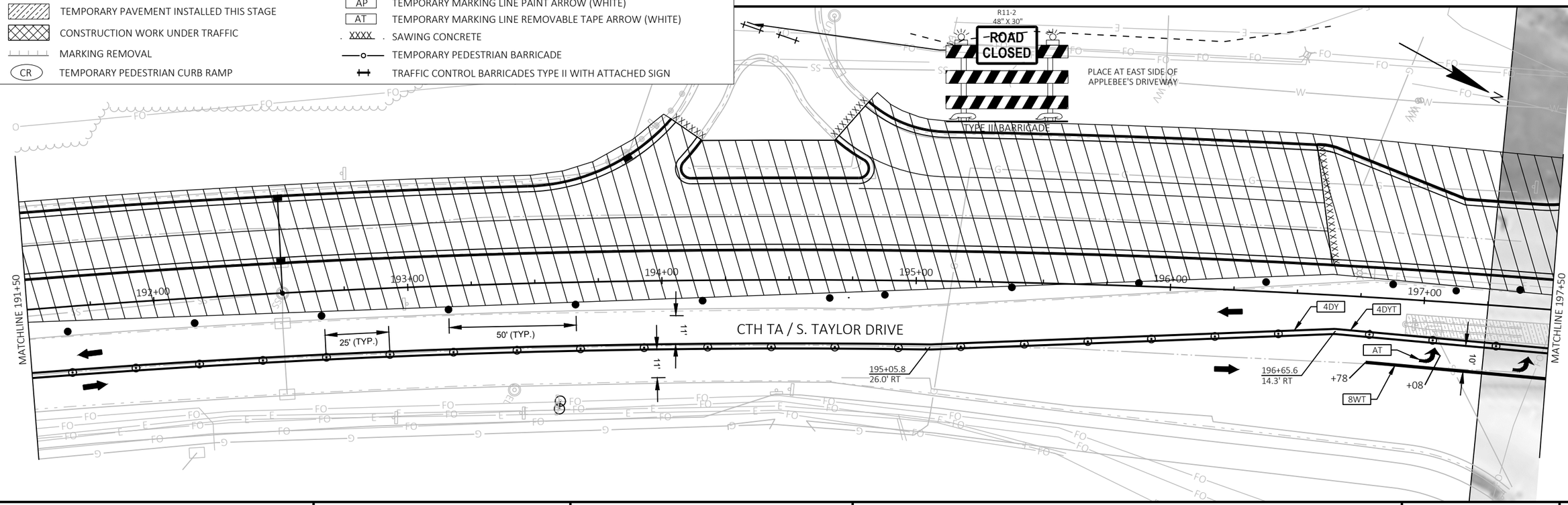
WISDOT/CADDS SHEET 44

2



LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 131	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025107_s1

PLOT DATE : 8/1/2023 7:56 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

MATCHLINE B

ERIE AVENUE

R11-2L 48"X30" — LANE CLOSED — TYPE III BARRICADE

R9-11AL 24"X12"

R5-2 24"X24"

M5-1L 21"X21"

MATCHLINE 197+50

198+00 199+00 200+00 201+00 202+00 203+00

+64 +89 +57 +38

4DYT 4YT 8WT 18WT

11' 12' 12'

50' (TYP.) 25' (TYP.)

END PROJECT
STA. 198+85.51

CTH TA / S. TAYLOR DRIVE

R9-11AR 24"X12"

R11-2L 48"X30" — LANE CLOSED — TYPE III BARRICADE

MATCHLINE 203+50

N

R5-2 24"X24"

M5-1L 21"X21"

M5-1R 21"X21"

MEIJER DRIVEWAY

R5-2 24"X24"

PLACE IN TERRACE AT NEAREST PARKING LOT INTERSECTION

R11-2L 48"X30" — LANE CLOSED — TYPE III BARRICADE

WO1-6 48"X24" — TYPE III BARRICADE

R11-2 48" X 30" — ROAD CLOSED — TYPE III BARRICADE

R11-2L 48"X30" — LANE CLOSED — TYPE III BARRICADE

WO1-4L

CTH TA / S. TAYLOR DRIVE

204+00 205+00 206+00 207+00 208+00 209+00

206+40.8 25.0' RT

207+32.6 15.9' RT

208+65.5 2.6' LT

R = 520'

18WT 4DYT 4YT 4WT 8WT

+71 +43

50' (TYP.) 25' (TYP.)

MATCHLINE 209+50

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 132	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025108_s1

PLOT DATE : 8/1/2023 7:56 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

BEGIN RIGHT TURN LANE

R3-20R
24"X36"

4WT

12'

25' (TYP.)

R = 90'

+36

+79

210+00

211+00

MATCHLINE 209+50

CTH TA / S. TAYLOR DRIVE

END ROAD WORK

G20-2A
48"X24"

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

+18

+03

18WT

8WT

18WT

12'

+66

212+00

213+00

25' (TYP.)

6WT

180' MERGING TAPER

+84

214+00

215+00

MATCHLINE 215+50

KOHLER MEMORIAL DRIVE

N

LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

STH 23 WB ON RAMP

W04-2R

200'

200'

216+00

217+00

+96

MATCHLINE 215+50

MATCHLINE D

ROAD WORK AHEAD

W20-1A

RIGHT LANE CLOSED AHEAD

W20-5A

WILGUS AVENUE

CTH TA / S. TAYLOR DRIVE

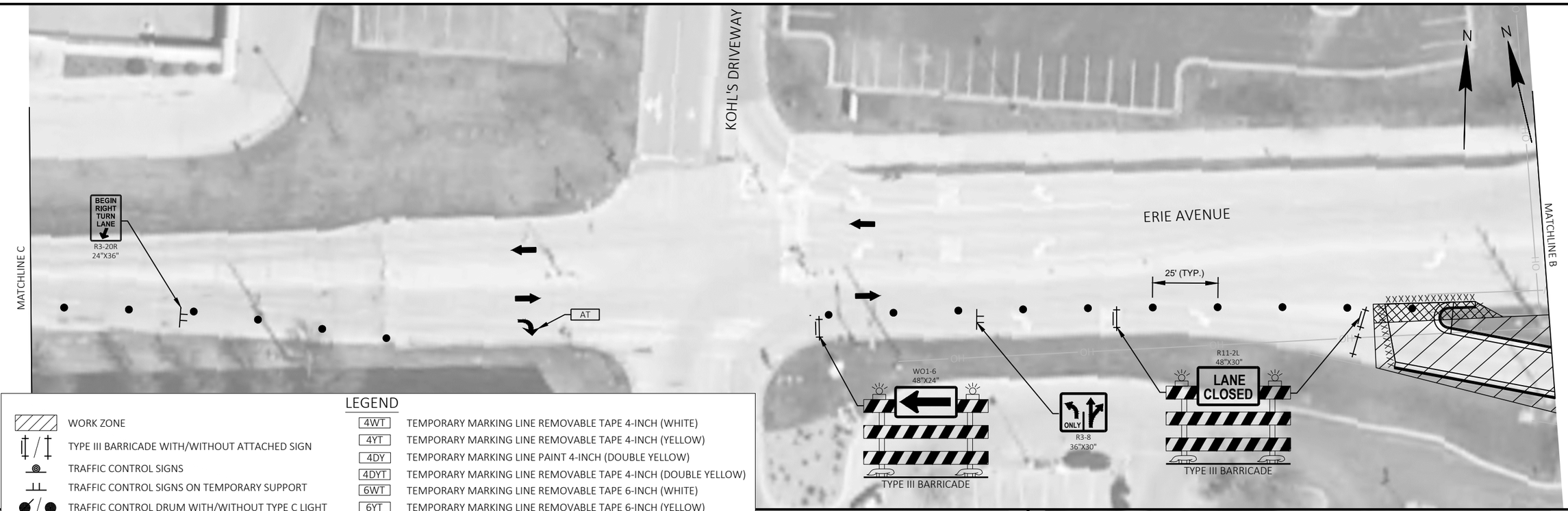
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 133	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025109_s1

PLOT DATE : 8/1/2023 7:56 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

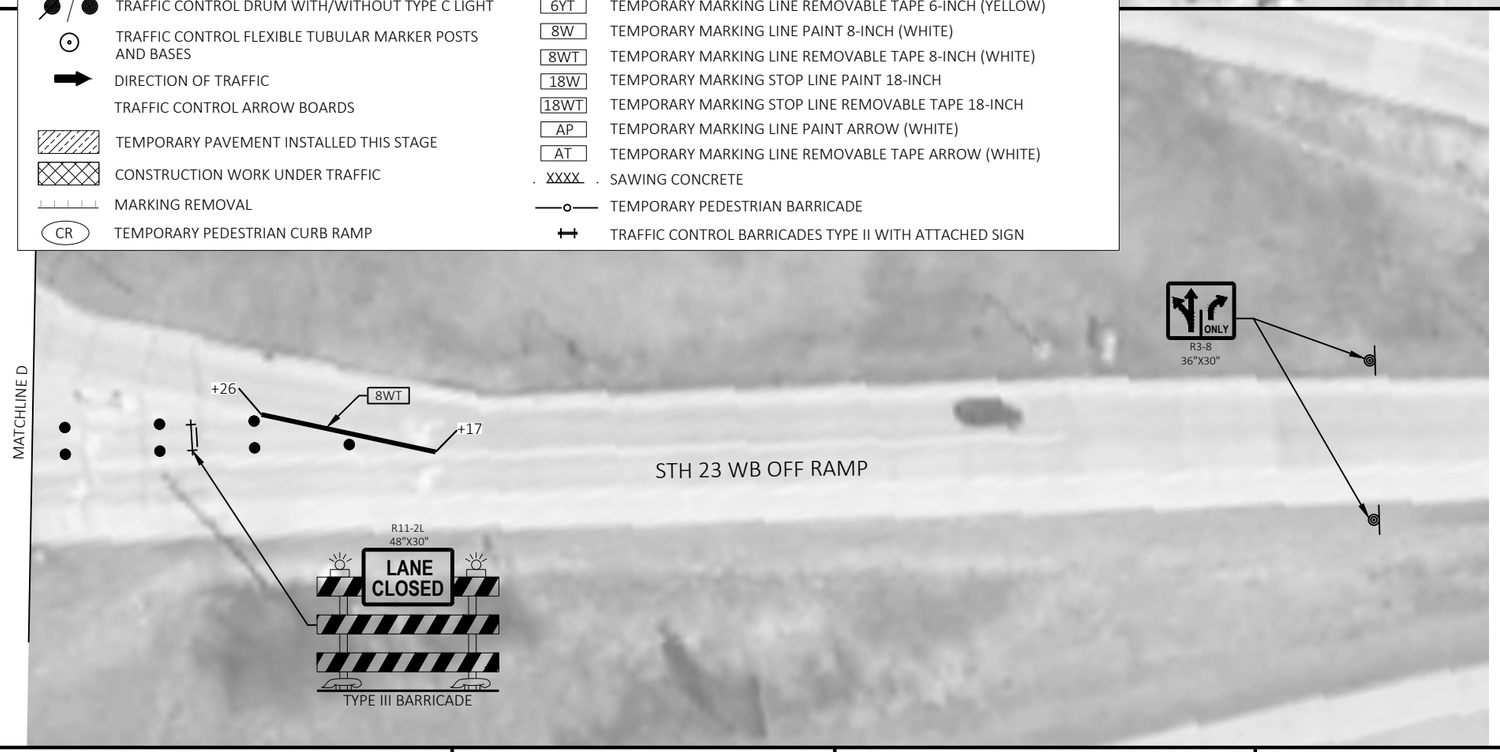
WISDOT/CADDS SHEET 44

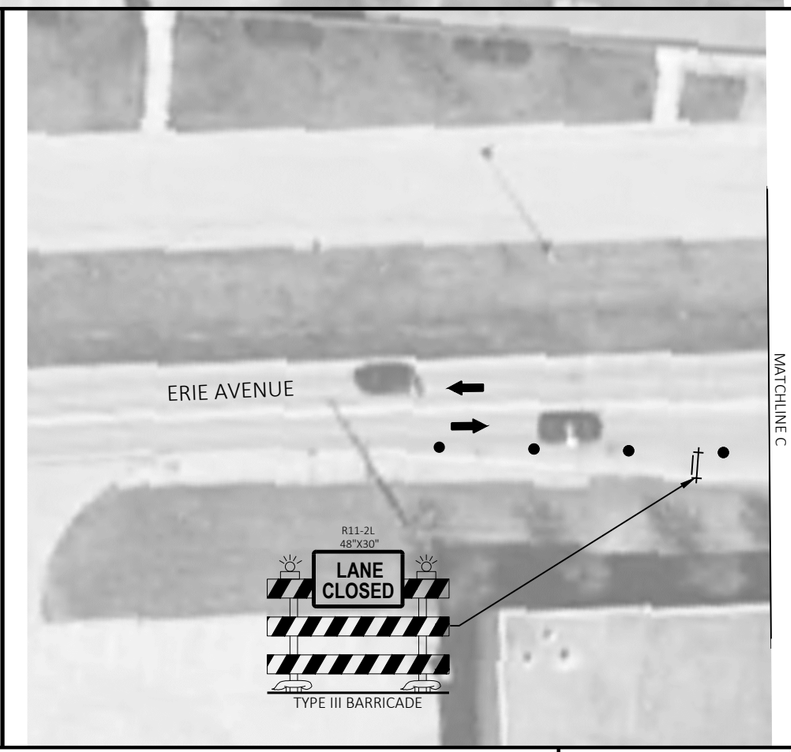
2



LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR TEMPORARY PEDESTRIAN CURB RAMP	AT TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN





PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 1	SHEET 134	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025110_s1
PLOT DATE : 8/1/2023 7:56 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

3-INCHES ASPHALTIC SURFACE TEMPORARY OVER
8-INCHES BASE AGGREGATE DENSE 1-1/4 INCH

REMOVING CURB &
GUTTER REQ'D

157+94.0
14.0' LT
621.42**

158+44.7
14.0' LT
623.63**

159+00.0
14.0' LT
625.97**

159+28.0
14.0' LT
627.23**

157+94.0
11.5' LT
621.46

2.0%

2.0%

159+00.0
7.0' LT
626.11

159+28.0
10.1' LT
627.30

158+44.7
0.2' RT
623.91

158+00

159+00

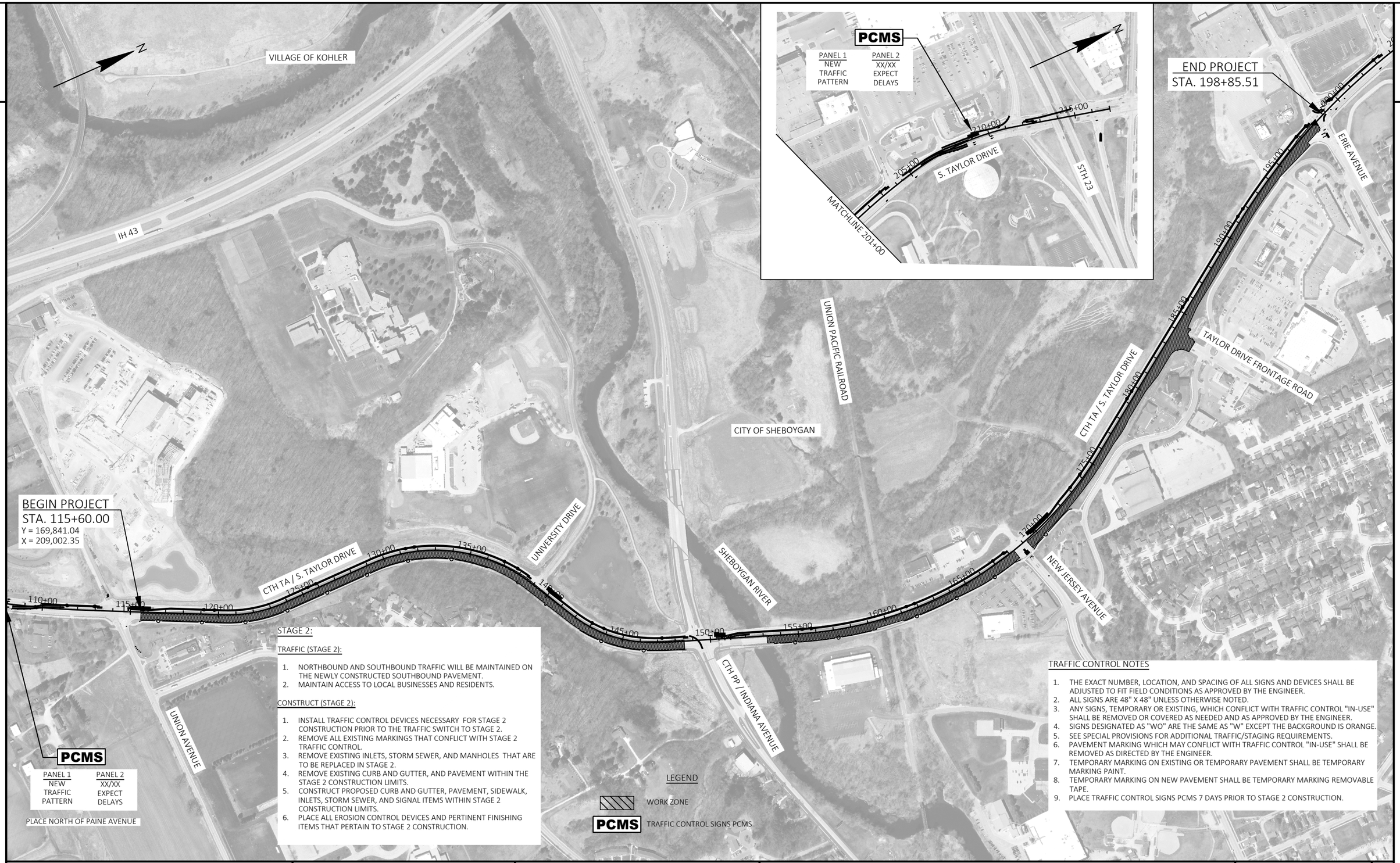
160+00

** MATCH PROPOSED EDGE OF LOWER HMA LAYER

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY PAVEMENT LAYOUT - STAGE 1	SHEET 135	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S1.DWG
LAYOUT NAME - 025111_s1_pavt
PLOT DATE : 8/1/2023 7:56 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



STAGE 2:

TRAFFIC (STAGE 2):

1. NORTHBOUND AND SOUTHBOUND TRAFFIC WILL BE MAINTAINED ON THE NEWLY CONSTRUCTED SOUTHBOUND PAVEMENT.
2. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.

CONSTRUCT (STAGE 2):

1. INSTALL TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE 2 CONSTRUCTION PRIOR TO THE TRAFFIC SWITCH TO STAGE 2.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE 2 TRAFFIC CONTROL.
3. REMOVE EXISTING INLETS, STORM SEWER, AND MANHOLES THAT ARE TO BE REPLACED IN STAGE 2.
4. REMOVE EXISTING CURB AND GUTTER, AND PAVEMENT WITHIN THE STAGE 2 CONSTRUCTION LIMITS.
5. CONSTRUCT PROPOSED CURB AND GUTTER, PAVEMENT, SIDEWALK, INLETS, STORM SEWER, AND SIGNAL ITEMS WITHIN STAGE 2 CONSTRUCTION LIMITS.
6. PLACE ALL EROSION CONTROL DEVICES AND PERTINENT FINISHING ITEMS THAT PERTAIN TO STAGE 2 CONSTRUCTION.

LEGEND

WORK ZONE

PCMS TRAFFIC CONTROL SIGNS PCMS

TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. 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.
4. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
6. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. TEMPORARY MARKING ON EXISTING OR TEMPORARY PAVEMENT SHALL BE TEMPORARY MARKING PAINT.
8. TEMPORARY MARKING ON NEW PAVEMENT SHALL BE TEMPORARY MARKING REMOVABLE TAPE.
9. PLACE TRAFFIC CONTROL SIGNS PCMS 7 DAYS PRIOR TO STAGE 2 CONSTRUCTION.

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET 136	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2OV.DWG
LAYOUT NAME - 025100_tc_s2ov

PLOT DATE : 8/1/2023 7:56 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

RIGHT LANE CLOSED AHEAD
W20-5A

END ROAD WORK
G20-2A
48"X24"

W04-2R

101+00

102+00

103+00

104+00

105+00

106+00

CTH TA / S. TAYLOR DRIVE

350'

350'

350'

6WT

+10

+55

25' (TYP.)

245' SHIFTING TAPER

50' (TYP.)

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

RIGHT LANE CLOSED AHEAD
W20-5A

W04-2R

ROAD WORK AHEAD
W20-1A

N

LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

R5-2
24"X24"

M5-1R
21"X21"

FO

W

G

E

108+00

108+29.3
10.8' RT

109+00

109+83.0
8.6' LT

110+00

111+00

112+00

113+00

+88

4YT

CTH TA / S. TAYLOR DRIVE

111+20.8
21.6' LT

4DYT

+25

18WT

MATCHLINE 113+50

R = 775'

11'

12'

25' (TYP.)

50' (TYP.)

4WT

WO1-6
48"X24"

WO1-4L

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

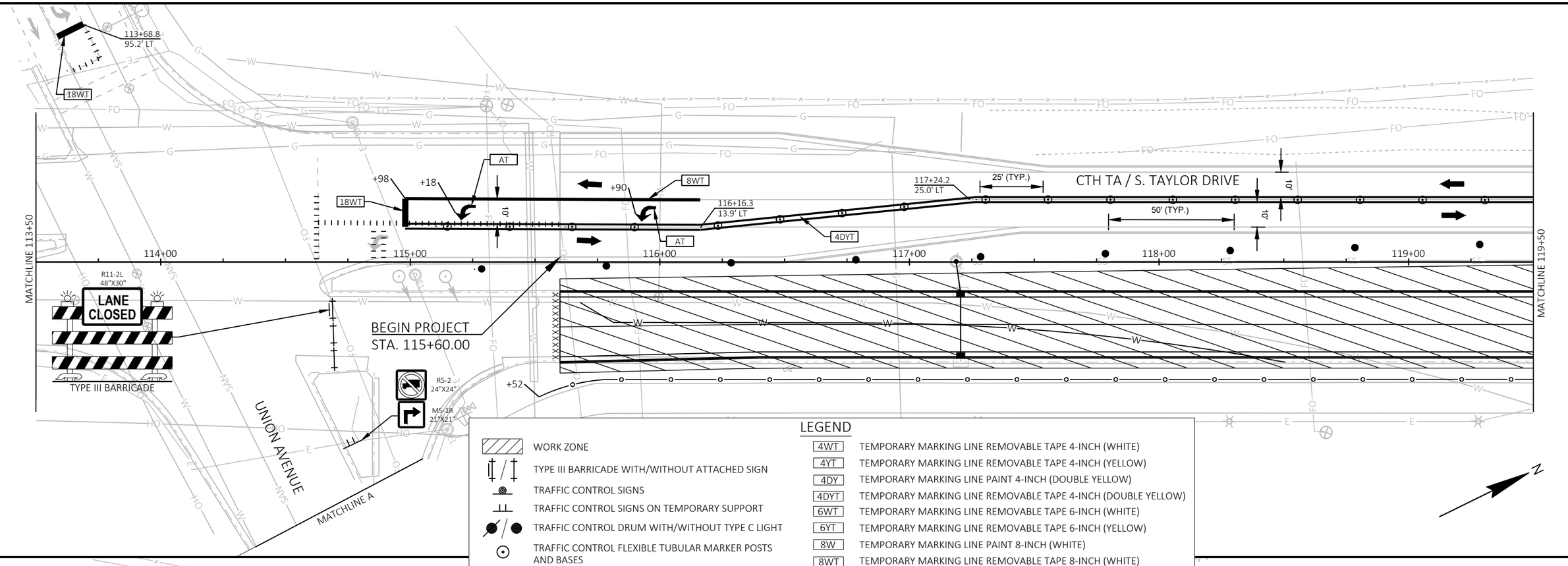
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 137	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025200_s2

PLOT DATE : 8/1/2023 7:57 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

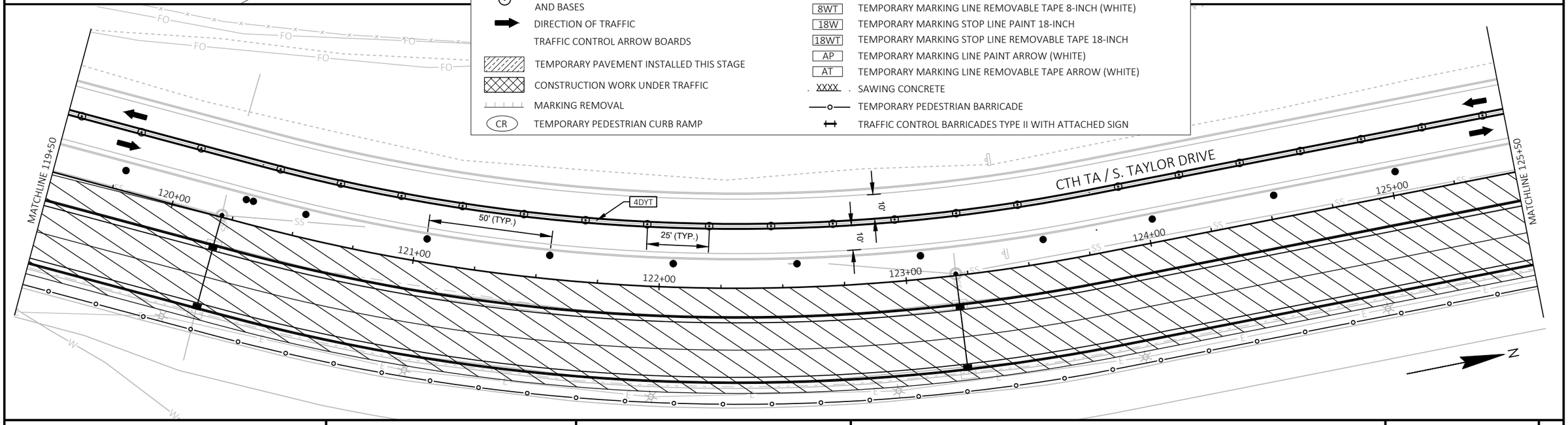
2



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



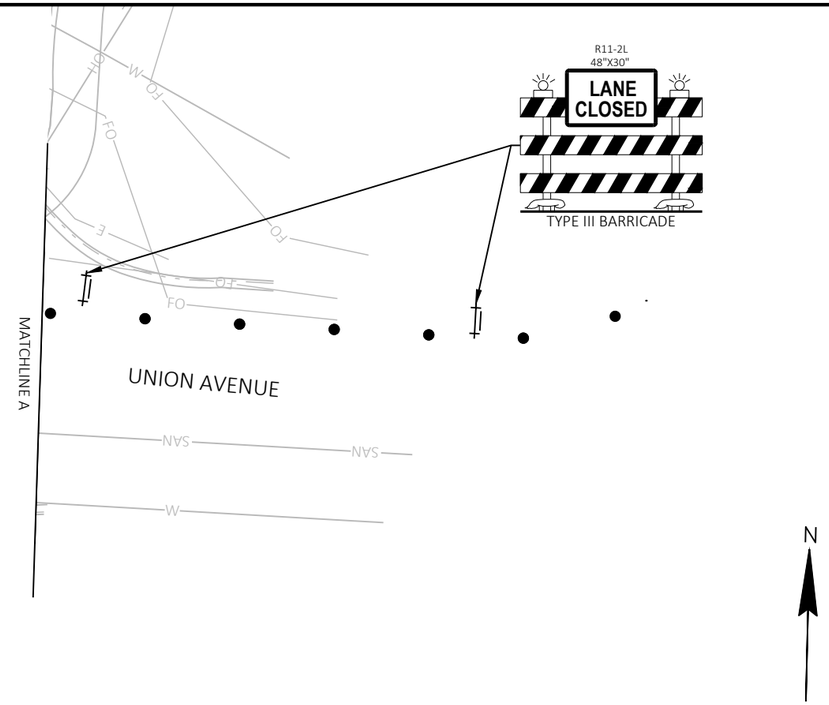
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 138 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025201_s2
PLOT DATE : 8/1/2023 7:57 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

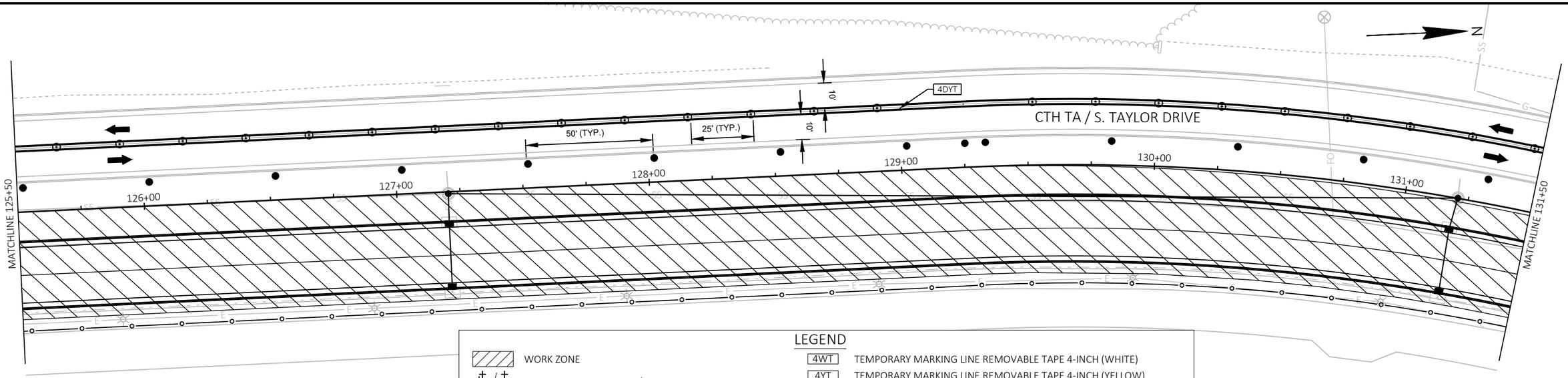
WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 139	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025201A_s2

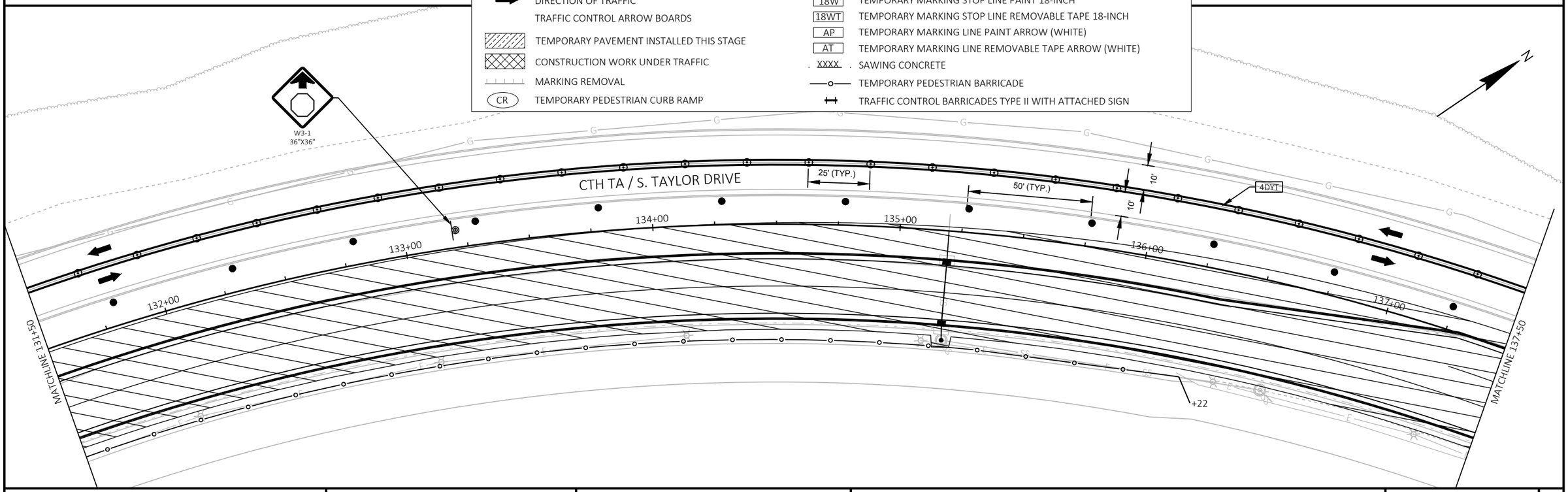
PLOT DATE : 8/1/2023 7:57 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : ##########



LEGEND

- WORK ZONE
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- TEMPORARY PAVEMENT INSTALLED THIS STAGE
- CONSTRUCTION WORK UNDER TRAFFIC
- MARKING REMOVAL
- CR — TEMPORARY PEDESTRIAN CURB RAMP

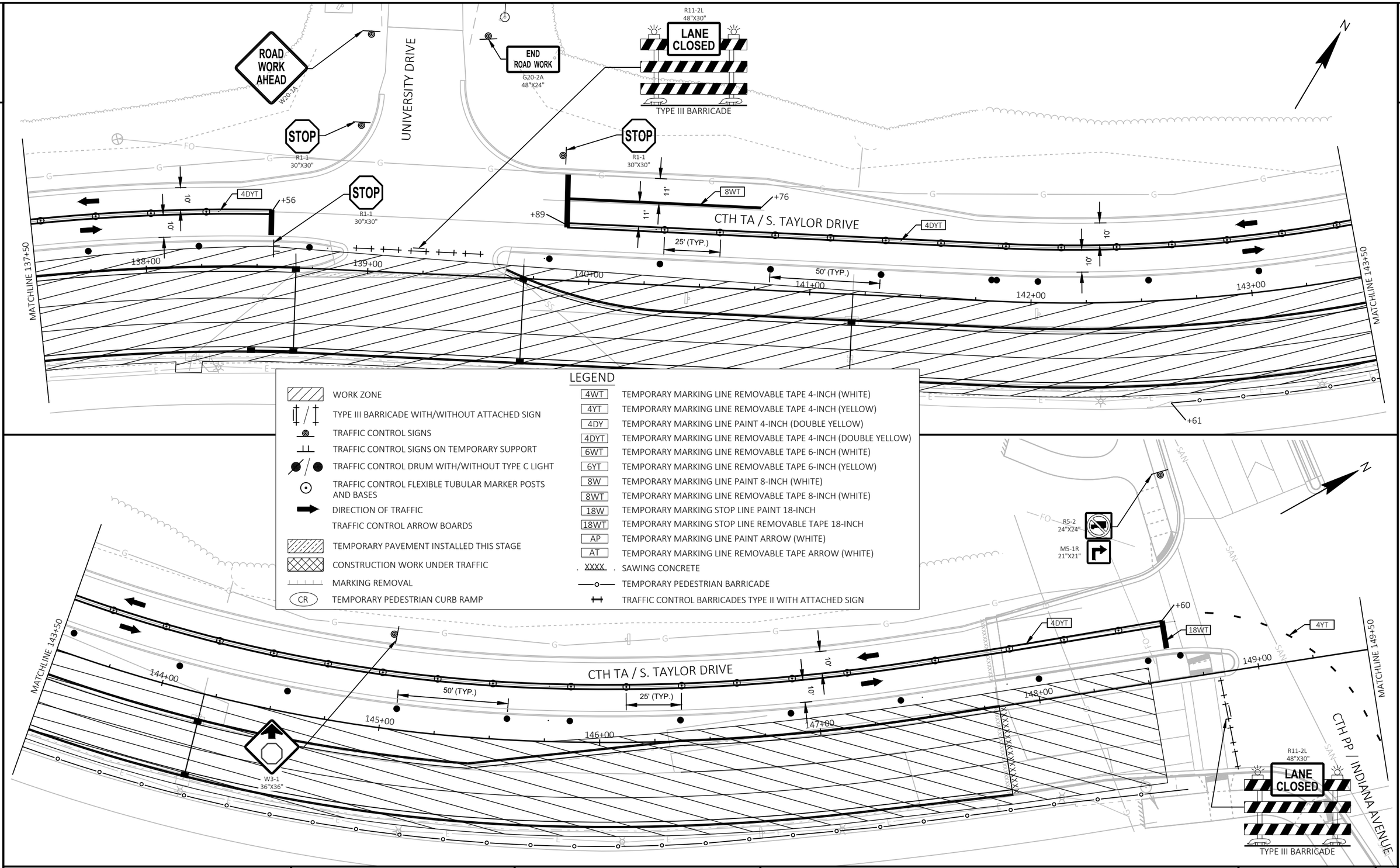
- 4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
- 8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
- AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
- . XXXX . — SAWING CONCRETE
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 140	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025202_s2

PLOT DATE : 8/1/2023 7:57 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

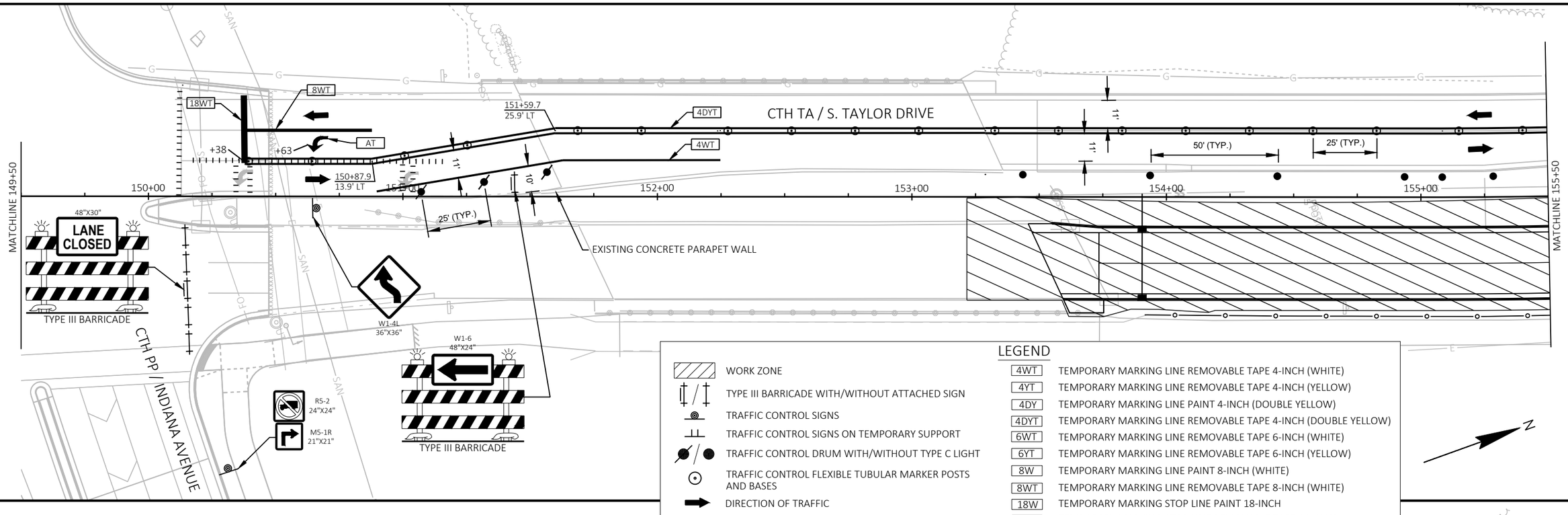


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 141	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025203_s2

PLOT DATE : 8/1/2023 7:57 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

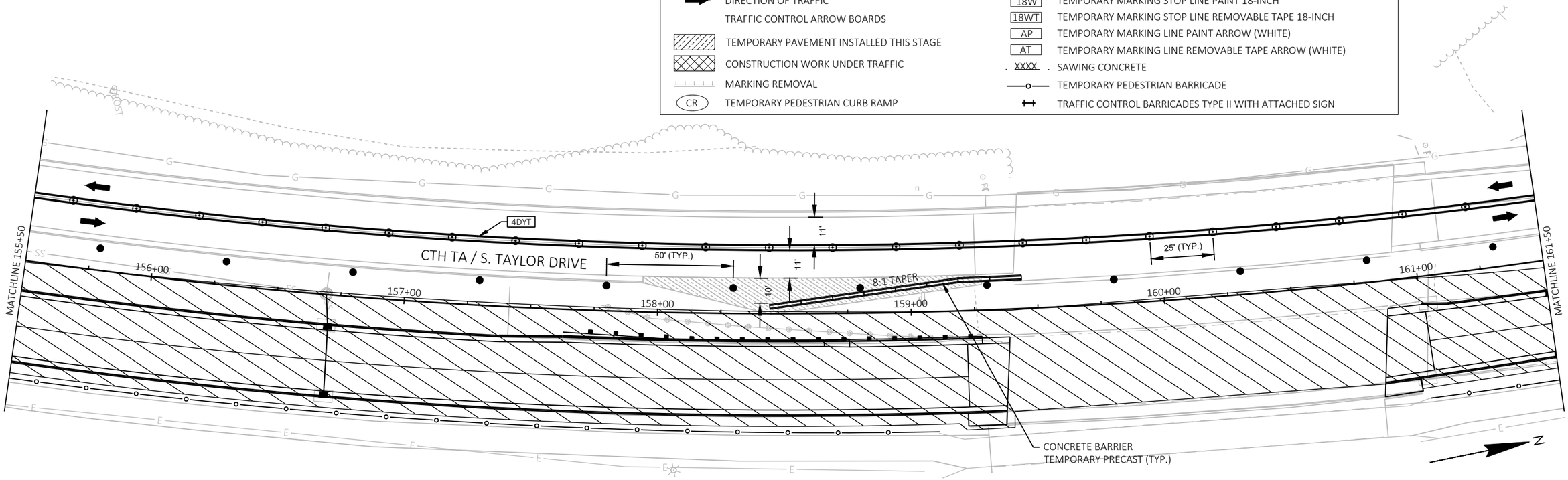
WISDOT/CADDS SHEET 44



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

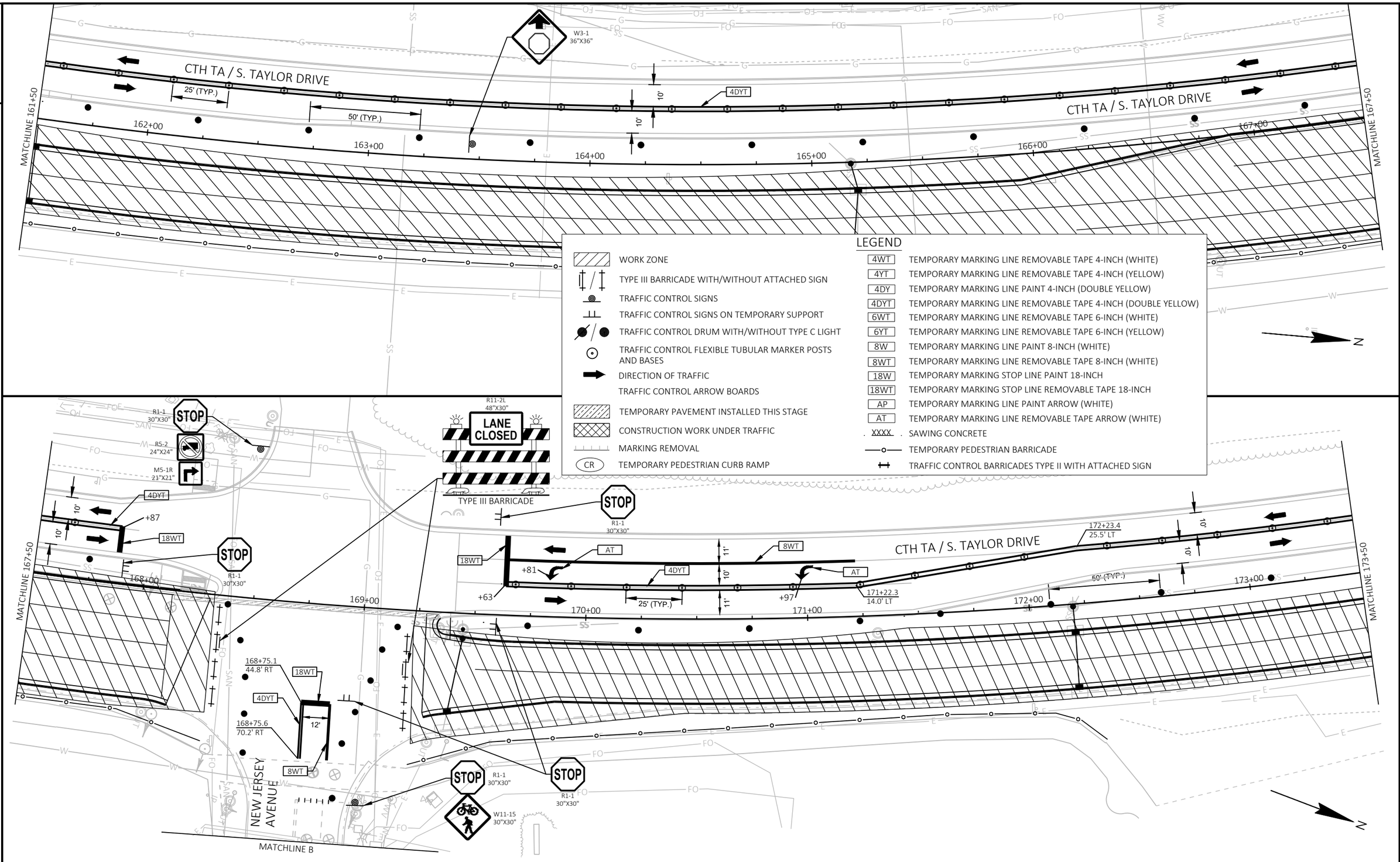
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 142 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025204_s2
PLOT DATE : 8/1/2023 7:58 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



LEGEND

- WORK ZONE
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- TEMPORARY PAVEMENT INSTALLED THIS STAGE
- CONSTRUCTION WORK UNDER TRAFFIC
- MARKING REMOVAL
- CR — TEMPORARY PEDESTRIAN CURB RAMP

- 4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
- 8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
- 18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
- AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
- XXXX — SAWING CONCRETE
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 143	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025205_s2

PLOT DATE : 8/1/2023 7:58 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCHLINE 173+50

MATCHLINE 179+50

CTH TA / S. TAYLOR DRIVE

4DYT

25' (TYP.)

10'

10'

50' (TYP.)

174+00

175+00

176+00

177+00

178+00

179+00

W3-1
36"X36"

R3-1
24"X24"

R11-2L
48"X30"

LANE
CLOSED

TYPE III BARRICADE

R3-2
24"X24"

5' (TYP.)

MATCHLINE 179+50

MATCHLINE 185+50

180+00

181+00

182+00

183+00

184+00

185+00

TAYLOR DRIVE FRONTAGE ROAD

R11-2
48"X30"

ROAD
CLOSED

TYPE III BARRICADE

ROAD
CLOSED
AHEAD

W20-3A

LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

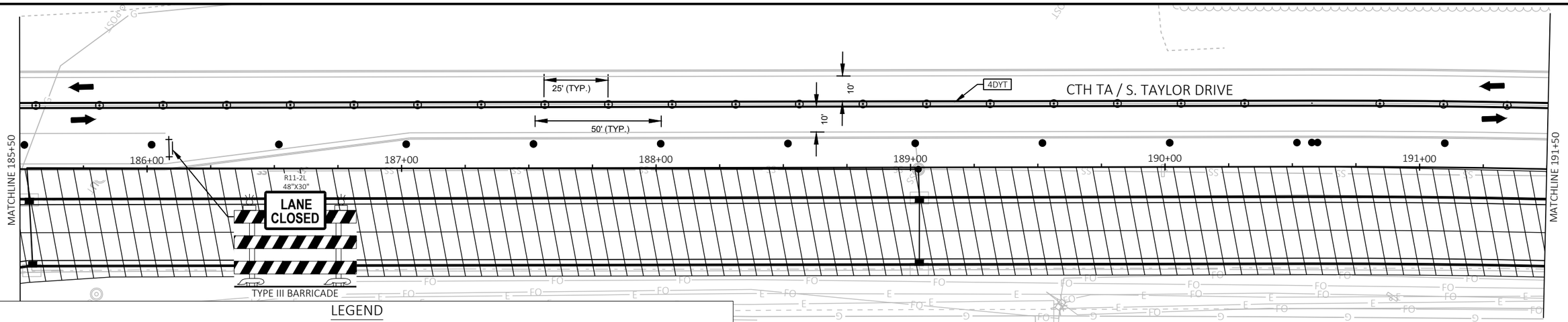
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 144	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025206_s2

PLOT DATE : 8/1/2023 7:58 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

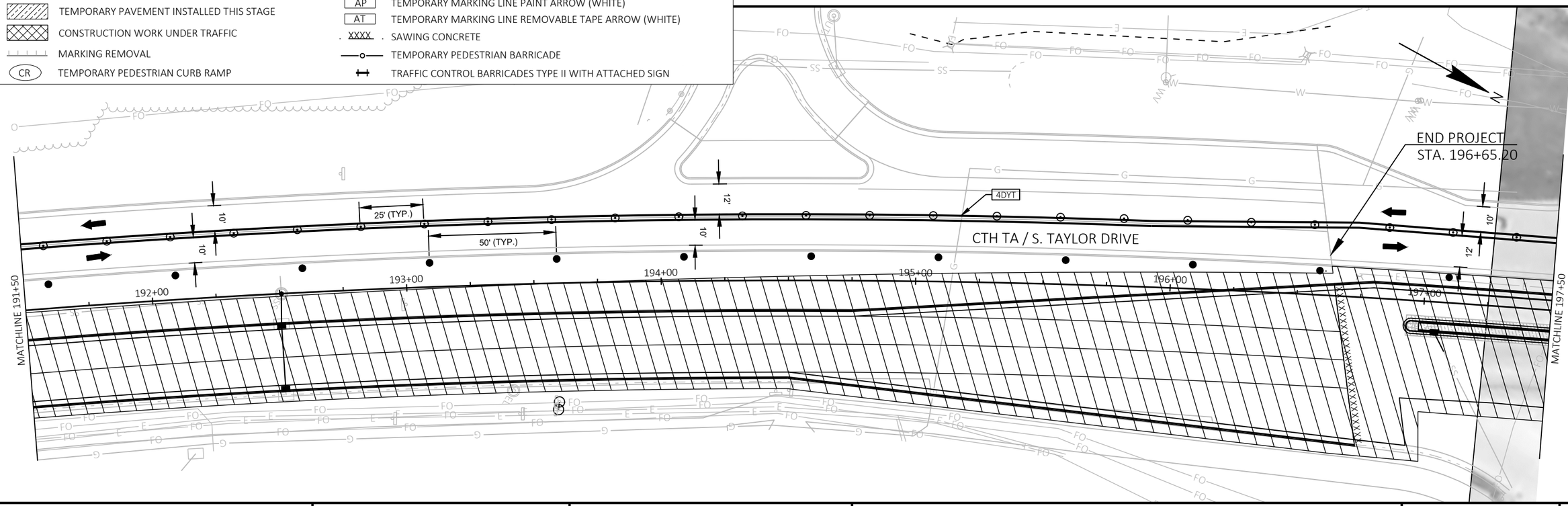
2



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 145	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025207_s2
PLOT DATE : 8/1/2023 7:58 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

R5-2
24"X24"

M5-1R
21"X21"

R9-11AL
24"X12"

ERIE AVENUE

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

4YT

4WT

18WT

+56

4DYT

+77

18WT

MATCHLINE 197+50

198+00

199+00

200+00

201+00

202+00

203+00

12'

12'

50' (TYP.)

25' (TYP.)

4DYT

+43

18WT

+42

MATCHLINE 203+50

CTH TA / S. TAYLOR DRIVE

4WT

R5-2
24"X24"

M5-1L
21"X21"

R9-11AR
24"X12"

R1-5L
18"X18"

198+05.5
98.0' RT

N

LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

MEIJER DRIVEWAY

PLACE IN TERRACE AT NEAREST PARKING LOT INTERSECTION

R5-2
24"X24"

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

R5-2
24"X24"

M5-1L
21"X21"

M5-1R
21"X21"

CTH TA / S. TAYLOR DRIVE

4YT

207+23.4
26.9' LT

25 (TYP.)

4WT

+82

+03

4WT

12'

12'

+54

205+74.5
6.7' LT

12'

12'

25' (TYP.)

206+00

207+00

208+00

R = 520'

+81

209+00

209+47.4
15.4' LT

8WT

4DYT

205+00

25' (TYP.)

R = 520'

4YT

207+69.4
16.2' RT

11'

11'

208+63.2
26.0' RT

4WT

204+00

MATCHLINE 203+50

WO1-6
48"X24"

WO1-4R

TYPE III BARRICADE

W4-3L
48"X48"

MATCHLINE 209+50

N

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 146	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025208_s2

PLOT DATE : 8/1/2023 7:58 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

4WT

210+78.5
24.4' LT

211+35.5
66.8' LT

R = 90'

12'

210+00

211+00

MATCHLINE 209+50

CTH TA / S. TAYLOR DRIVE

END ROAD WORK
G20-2A
48"X24"

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

+18

18WT

8WT

12'

18WT

+66

212+00

213+00

213+03.5
25.8' LT

180' MERGING TAPER

25' (TYP.)

6WT

214+00

214+84.1
38.8' LT

215+00

MATCHLINE 215+50

KOHLER MEMORIAL DRIVE (STH 23)

N

STH 23 WB ON RAMP

W04-2R

200'

200'

216+00

217+00

MATCHLINE 215+50

ROAD WORK AHEAD
W20-1A

RIGHT LANE CLOSED AHEAD
W20-5A

MATCHLINE C

WILGUS AVENUE

CTH TA / S. TAYLOR DRIVE

N

LEGEND

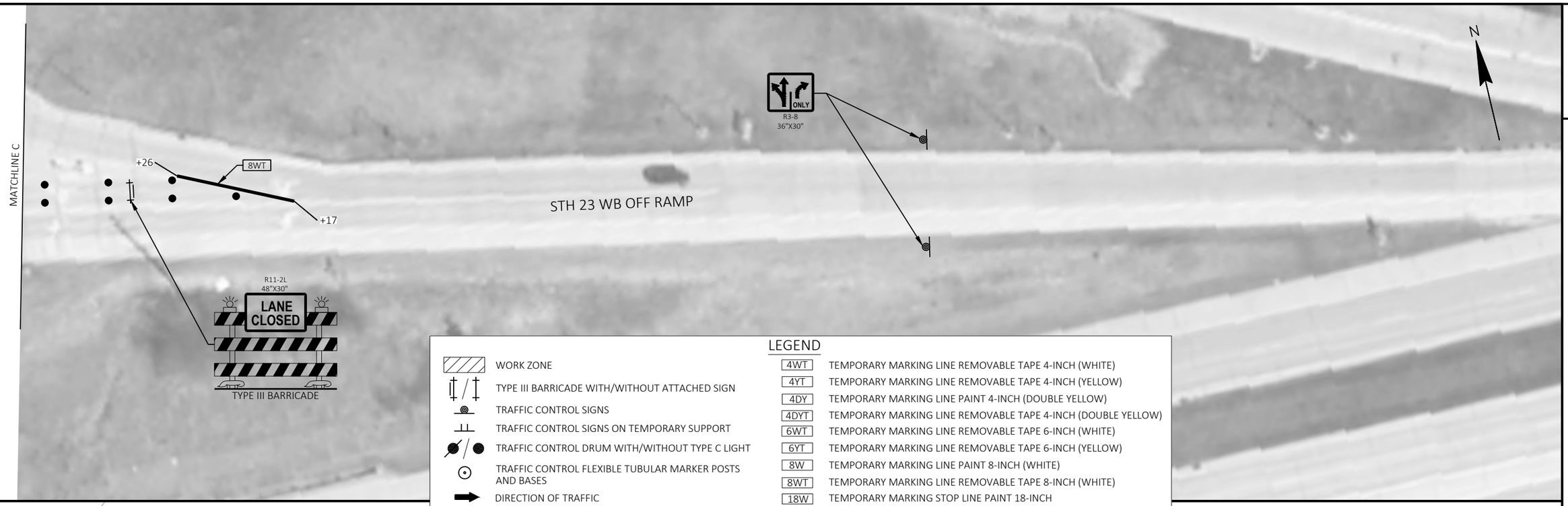
	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 147	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025209_s2
PLOT DATE : 8/1/2023 7:58 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

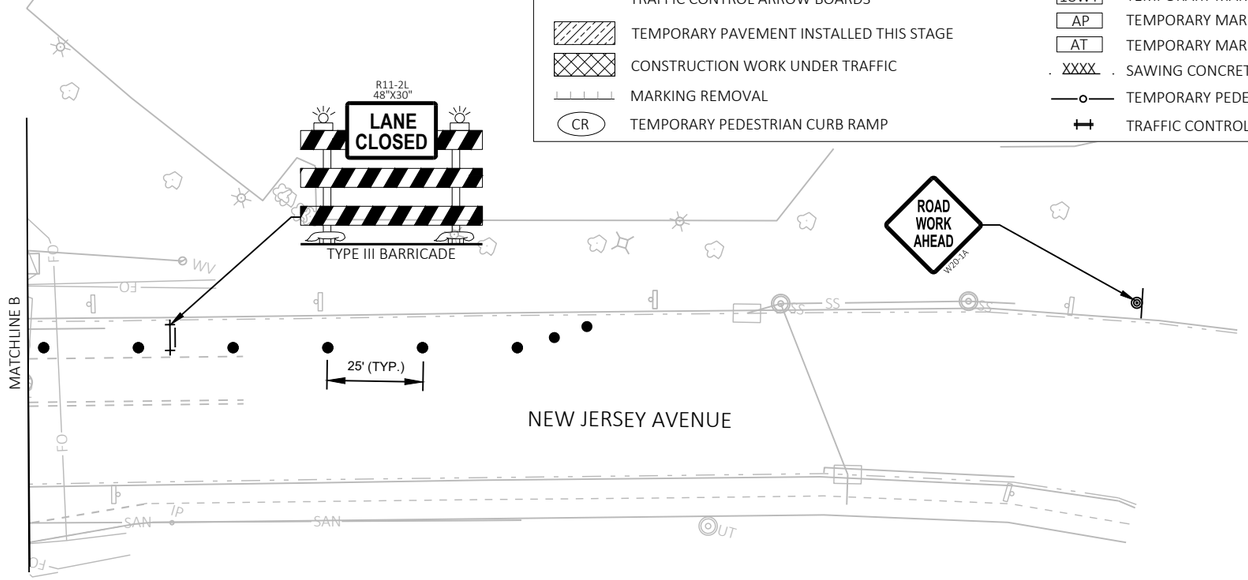
2



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2	SHEET 148 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2.DWG
LAYOUT NAME - 025210_s2

PLOT DATE : 8/1/2023 7:58 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

R1-1
30"X30"
STOP

R5-2
24"X24"

M5-1R
21"X21"

R11-2
48"X30"
ROAD CLOSED

TYPE III BARRICADE

MATCHLINE 167+50

MATCHLINE 173+50

CTH TA / S. TAYLOR DRIVE

10'

+95

168+00

169+00

+51

4DYT

25' (TYP.)

11'

12'

170+00

171+00

171+22.3
15.0' LT

172+00

172+23.4
25.0' LT

50' (TYP.)

173+00

+90

+12

+33

CR

R9-11AL
24"X12"

R9-11AR
24"X12"

TEMPORARY PEDESTRIAN SURFACE ASPHALT REQ'D

TEMPORARY PEDESTRIAN
SURFACE ASPHALT REQ'D

FOR ADDITIONAL INFORMATION SEE
STANDARD DETAIL DRAWING: "TRAFFIC
CONTROL, PEDESTRIAN ACCOMMODATION".

NEW JERSEY AVENUE

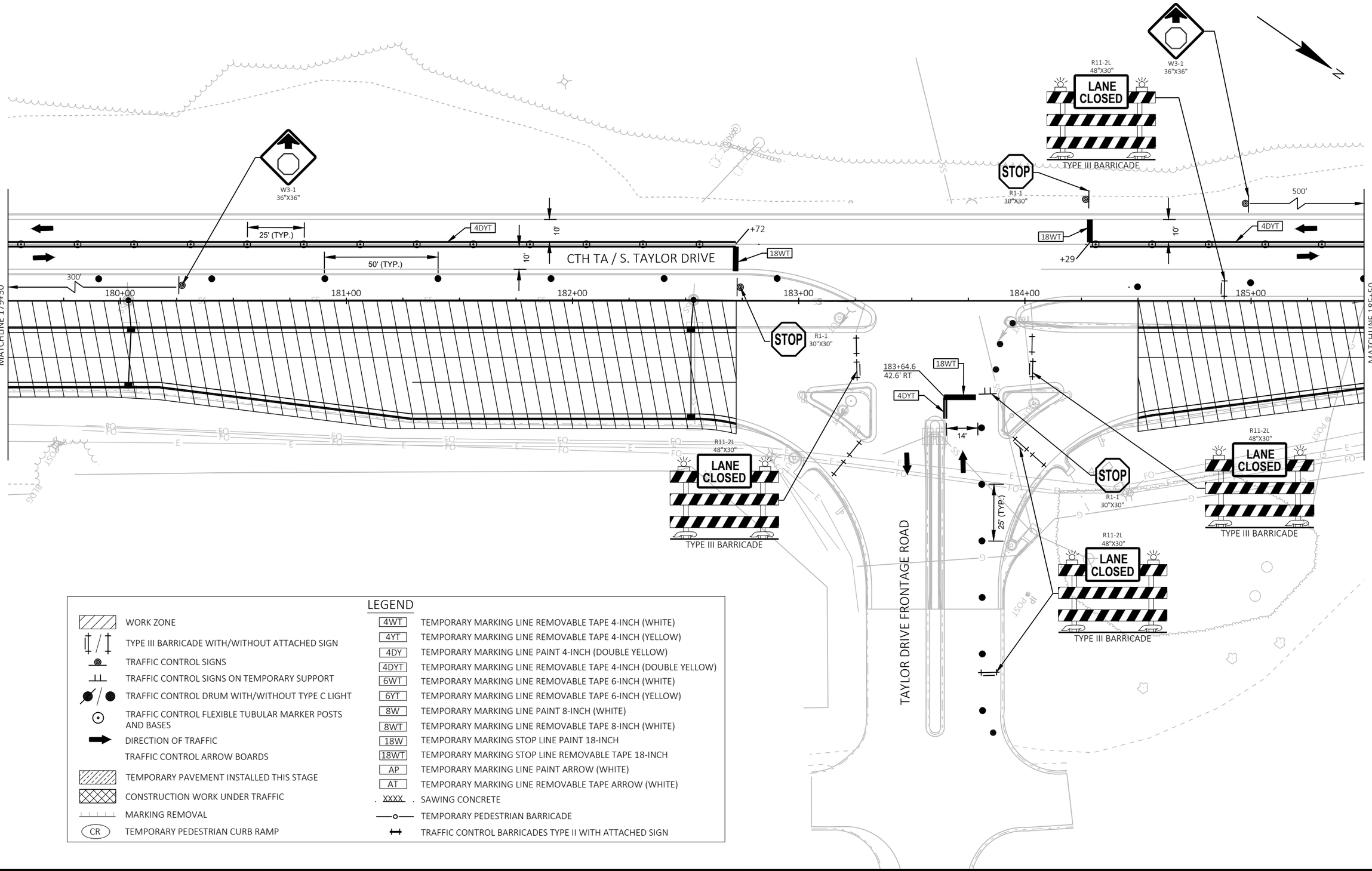
LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2A	SHEET 149	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2A.DWG
LAYOUT NAME - 025101_s2A
PLOT DATE : 8/1/2023 7:59 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

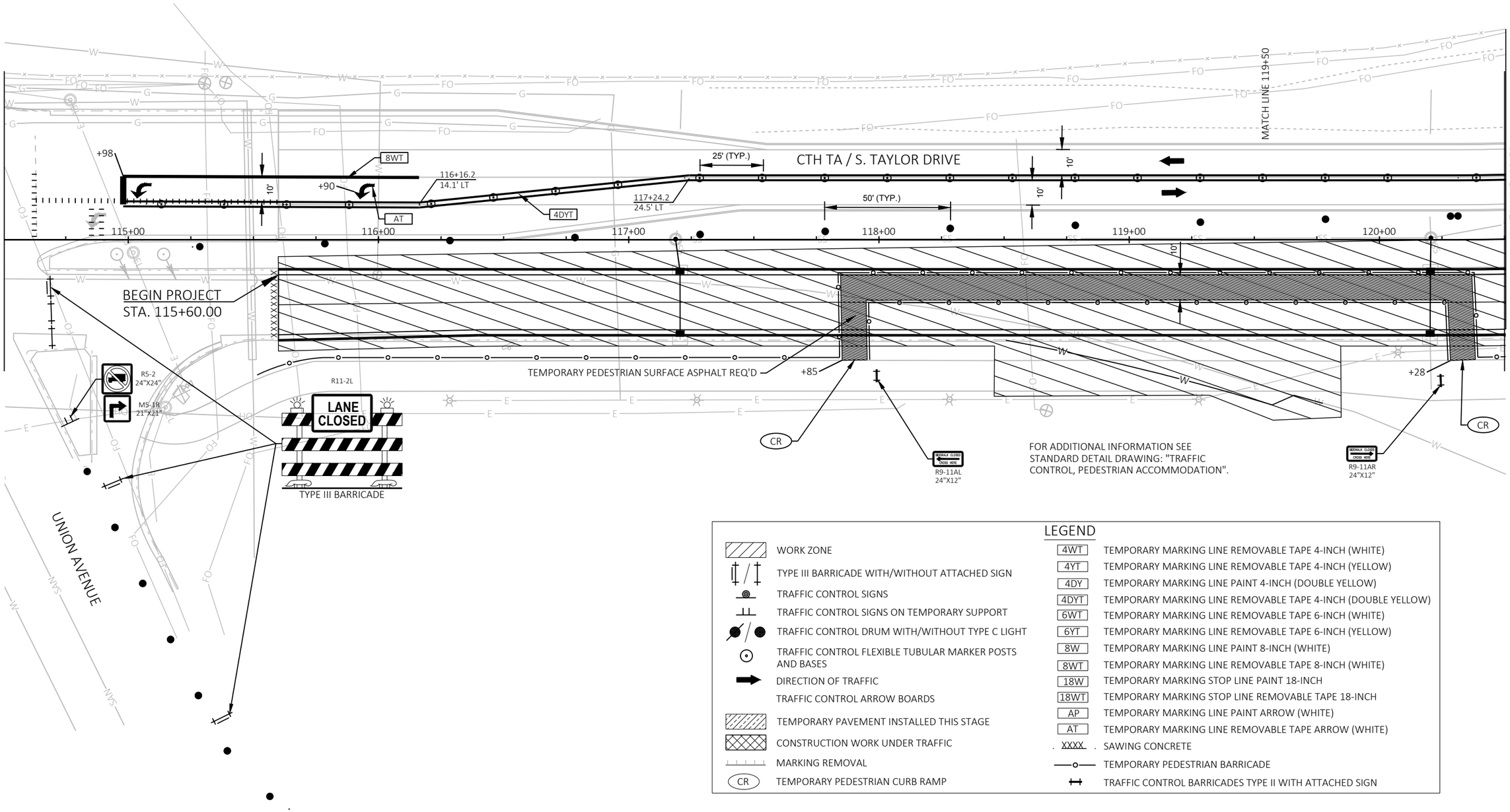


LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
	DIRECTION OF TRAFFIC	8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
	TRAFFIC CONTROL ARROW BOARDS	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
	CONSTRUCTION WORK UNDER TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
	MARKING REMOVAL	AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR	TEMPORARY PEDESTRIAN CURB RAMP	AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
		XXXX	SAWING CONCRETE
			TEMPORARY PEDESTRIAN BARRICADE
			TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2A	SHEET 150	E

2



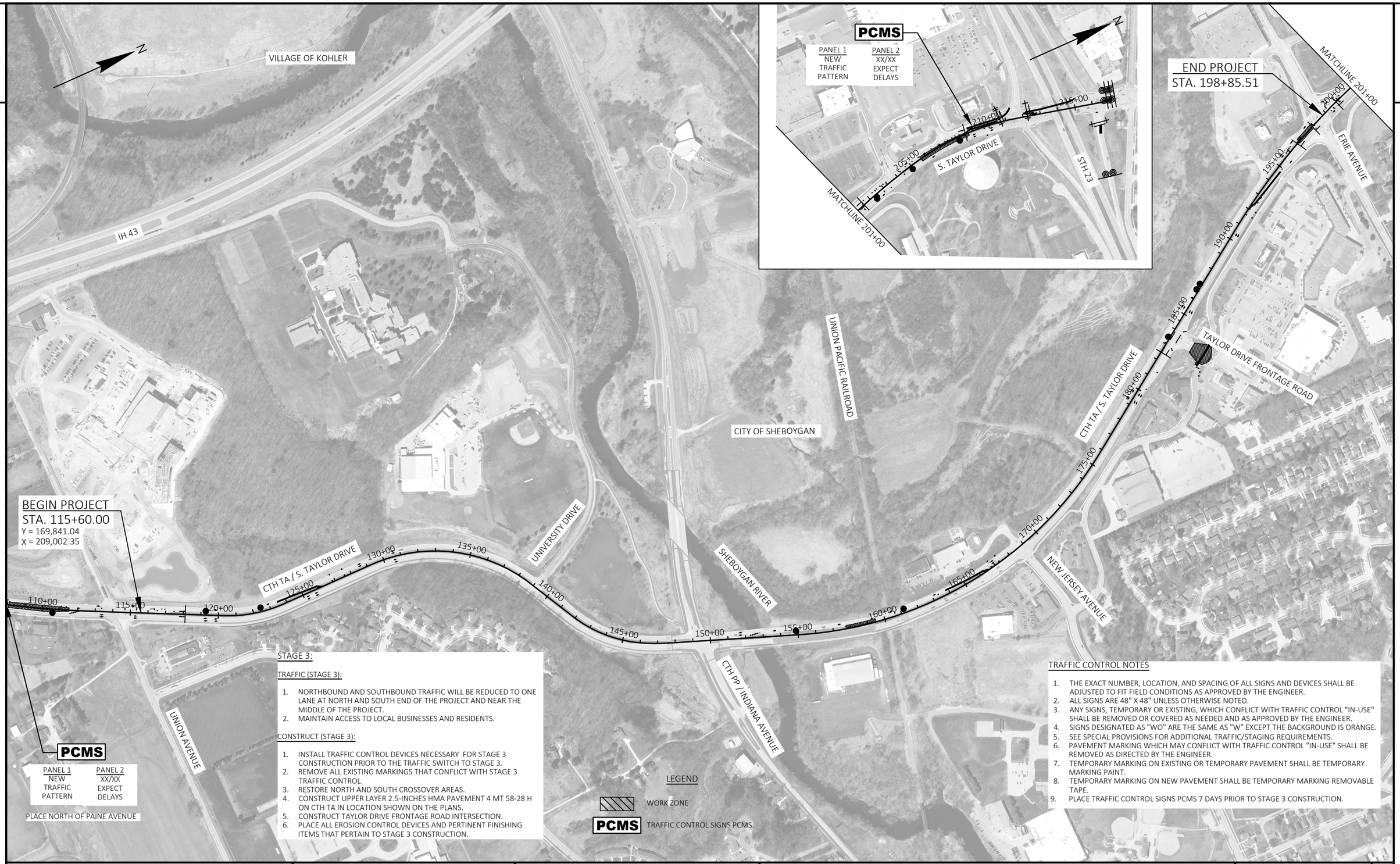
LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 2A	SHEET 151	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S2A.DWG
LAYOUT NAME - 025100_s2A

PLOT DATE : 8/1/2023 7:59 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : ##########



STAGE 3:

TRAFFIC (STAGE 3):

1. NORTHBOUND AND SOUTHBOUND TRAFFIC WILL BE REDUCED TO ONE LANE AT NORTH AND SOUTH END OF THE PROJECT AND NEAR THE MIDDLE OF THE PROJECT.
2. MAINTAIN ACCESS TO LOCAL BUSINESSES AND RESIDENTS.

CONSTRUCT (STAGE 3):

1. INSTALL TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE 3 CONSTRUCTION PRIOR TO THE TRAFFIC SWITCH TO STAGE 3.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE 3 TRAFFIC CONTROL.
3. RESTORE NORTH AND SOUTH CROSSOVER AREAS.
4. CONSTRUCT UPPER LAYER 2.5-INCHES HMA PAVEMENT 4 MT 58-28 H ON CTH TA IN LOCATION SHOWN ON THE PLANS.
5. CONSTRUCT TAYLOR DRIVE FRONTAGE ROAD INTERSECTION.
6. PLACE ALL EROSION CONTROL DEVICES AND PERTINENT FINISHING ITEMS THAT PERTAIN TO STAGE 3 CONSTRUCTION.

LEGEND

WORK ZONE

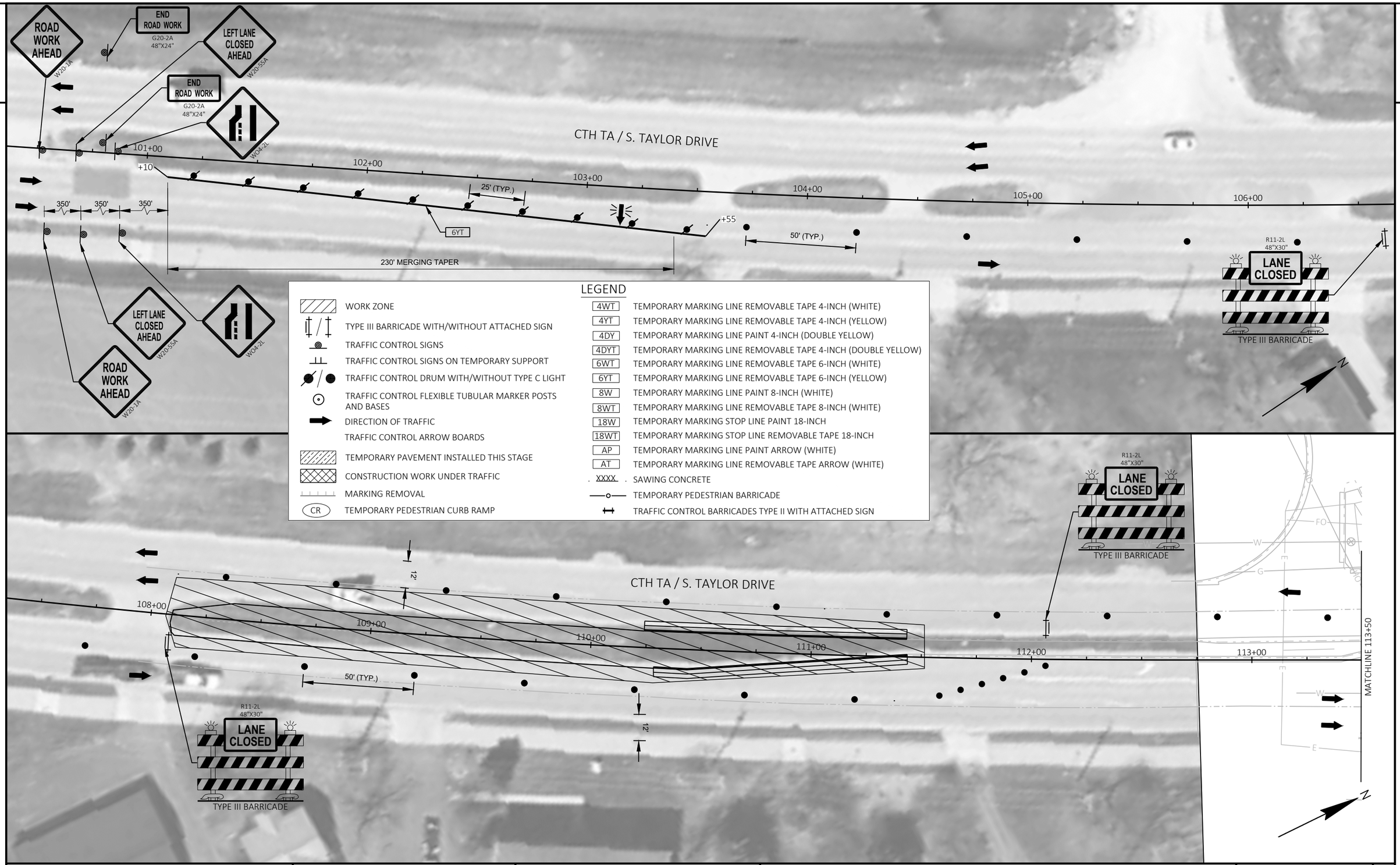
PCMS TRAFFIC CONTROL SIGNS PCMS

TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. 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.
4. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
6. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. TEMPORARY MARKING ON EXISTING OR TEMPORARY PAVEMENT SHALL BE TEMPORARY MARKING PAINT.
8. TEMPORARY MARKING ON NEW PAVEMENT SHALL BE TEMPORARY MARKING REMOVABLE TAPE.
9. PLACE TRAFFIC CONTROL SIGNS PCMS 7 DAYS PRIOR TO STAGE 3 CONSTRUCTION.

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET 152	E

2



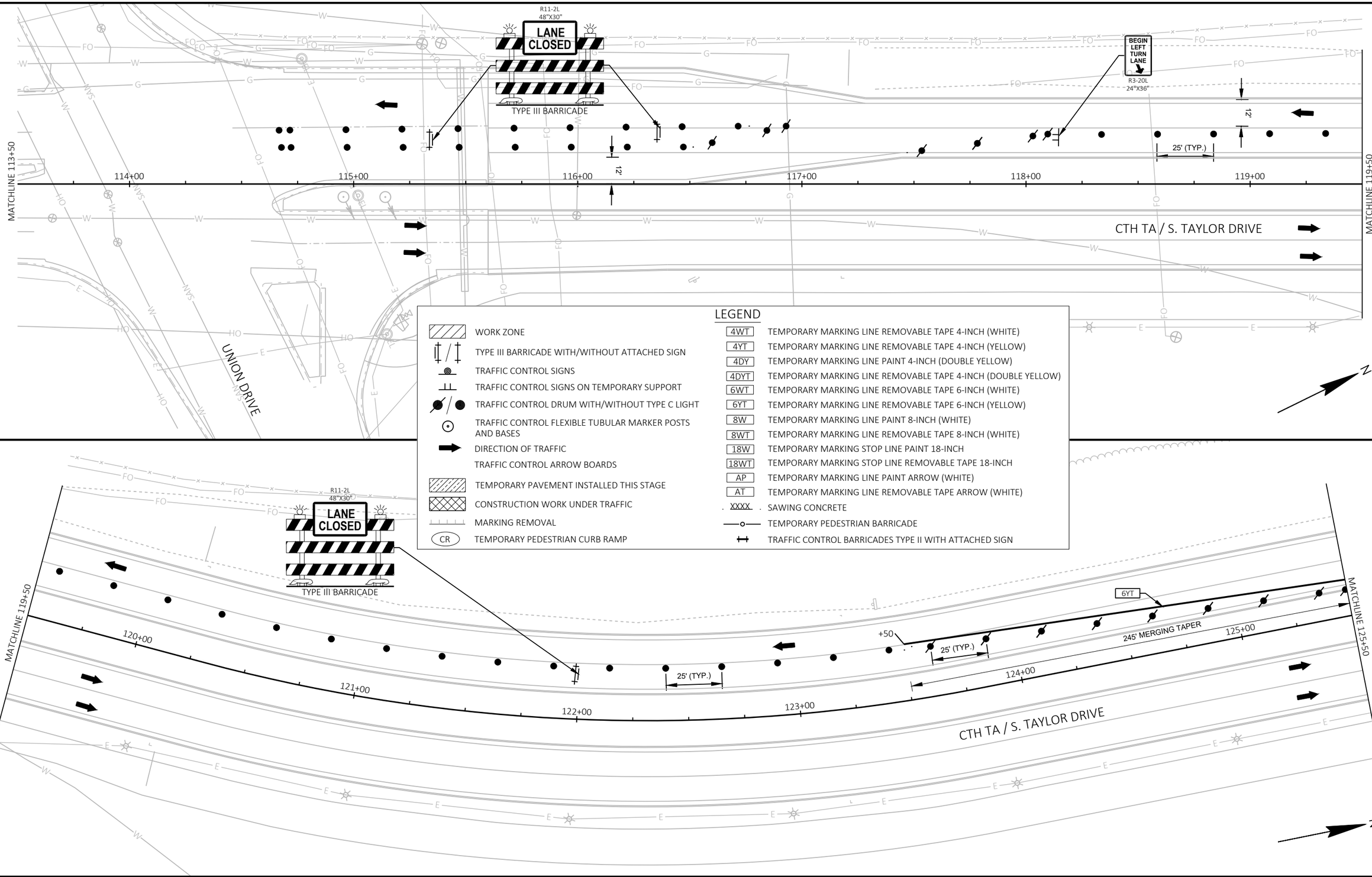
2

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 3	SHEET 153	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S3.DWG
LAYOUT NAME - 025100_s3

PLOT DATE : 8/1/2023 7:59 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

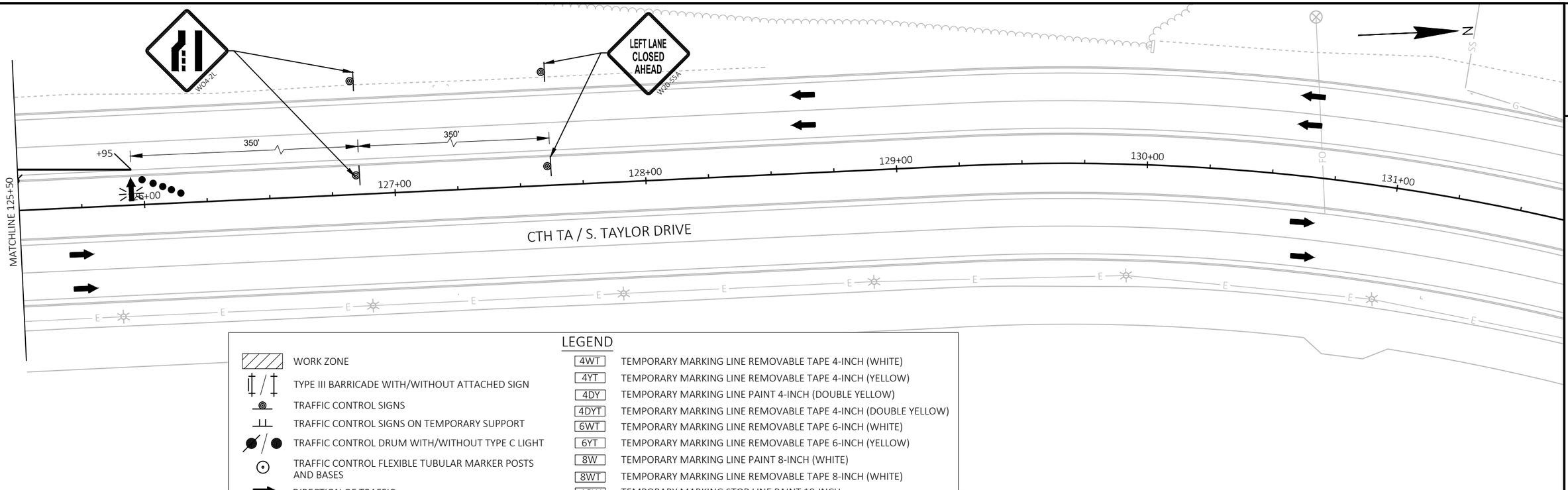
WISDOT/CADDS SHEET 44



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

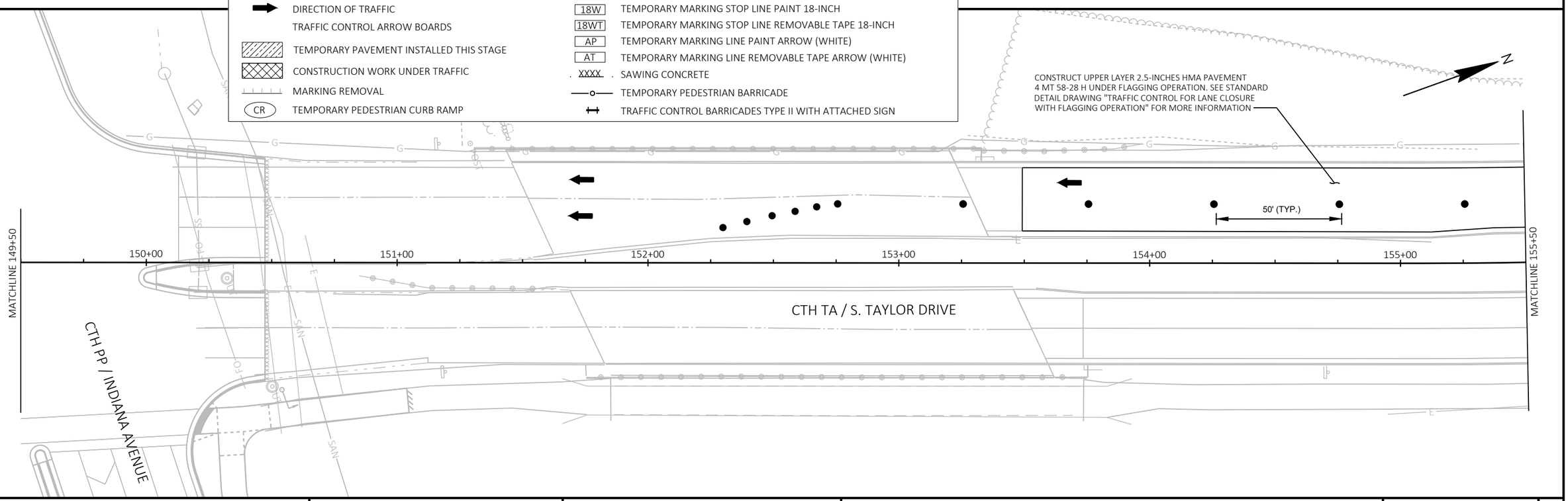
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



PROJECT NO:	HWY:	COUNTY:		SHEET	
4291-03-70	CTH TA	SHEBOYGAN	TRAFFIC CONTROL - STAGE 3	155	E

2

CONSTRUCT UPPER LAYER 2.5-INCHES HMA PAVEMENT
4 MT 58-28 H UNDER FLAGGING OPERATION. SEE STANDARD
DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE
WITH FLAGGING OPERATION" FOR MORE INFORMATION.

MATCHLINE 155+50

156+00

157+00

158+00

159+00

160+00

161+00

MATCHLINE 161+50

50' (TYP.)

CTH TA / S. TAYLOR DRIVE

R11-2L
48"X30"

LANE CLOSED

TYPE III BARRICADE

LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

350'

350'

245' MERGING TAPER

MATCHLINE 161+50

+84

6YT

+29

162+00

163+00

164+00

165+00

166+00

167+00

25' (TYP.)

CTH TA / S. TAYLOR DRIVE

CTH TA / S. TAYLOR DRIVE

W4-2L

LEFT LANE CLOSED AHEAD
W20-5SA

N

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 3	SHEET 156	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S3.DWG
LAYOUT NAME - 025103_s3
PLOT DATE : 8/1/2023 8:00 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR TEMPORARY PEDESTRIAN CURB RAMP	AT TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

181+00 182+00 183+00 184+00 185+00 186+00

CTH TA / S. TAYLOR DRIVE

TAYLOR DRIVE FRONTAGE ROAD

25' (TYP.)

R3-1
24"X24"

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R3-2
24"X24"

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
PLACE AT SOUTH LEG OF FESTIVAL FOOD'S DRIVEWAY

ROAD CLOSED 500 FT W20-3D

ROAD CLOSED AHEAD W20-3A
PLACE AT SOUTH LEG OF ERIE AVENUE AND TAYLOR DRIVE FRONTAGE ROAD

FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWING: "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION".

ROAD CLOSED 500 FT W20-3D

ROAD CLOSED AHEAD W20-3A
PLACE AT NORTH LEG OF NEW JERSEY AVENUE AND TAYLOR DRIVE FRONTAGE ROAD

SIDEWALK CLOSED CROSS HERE
R9-11AR
24"X12"

SIDEWALK CLOSED CROSS HERE
R9-11AL
24"X12"

CR

CR

500'

500'

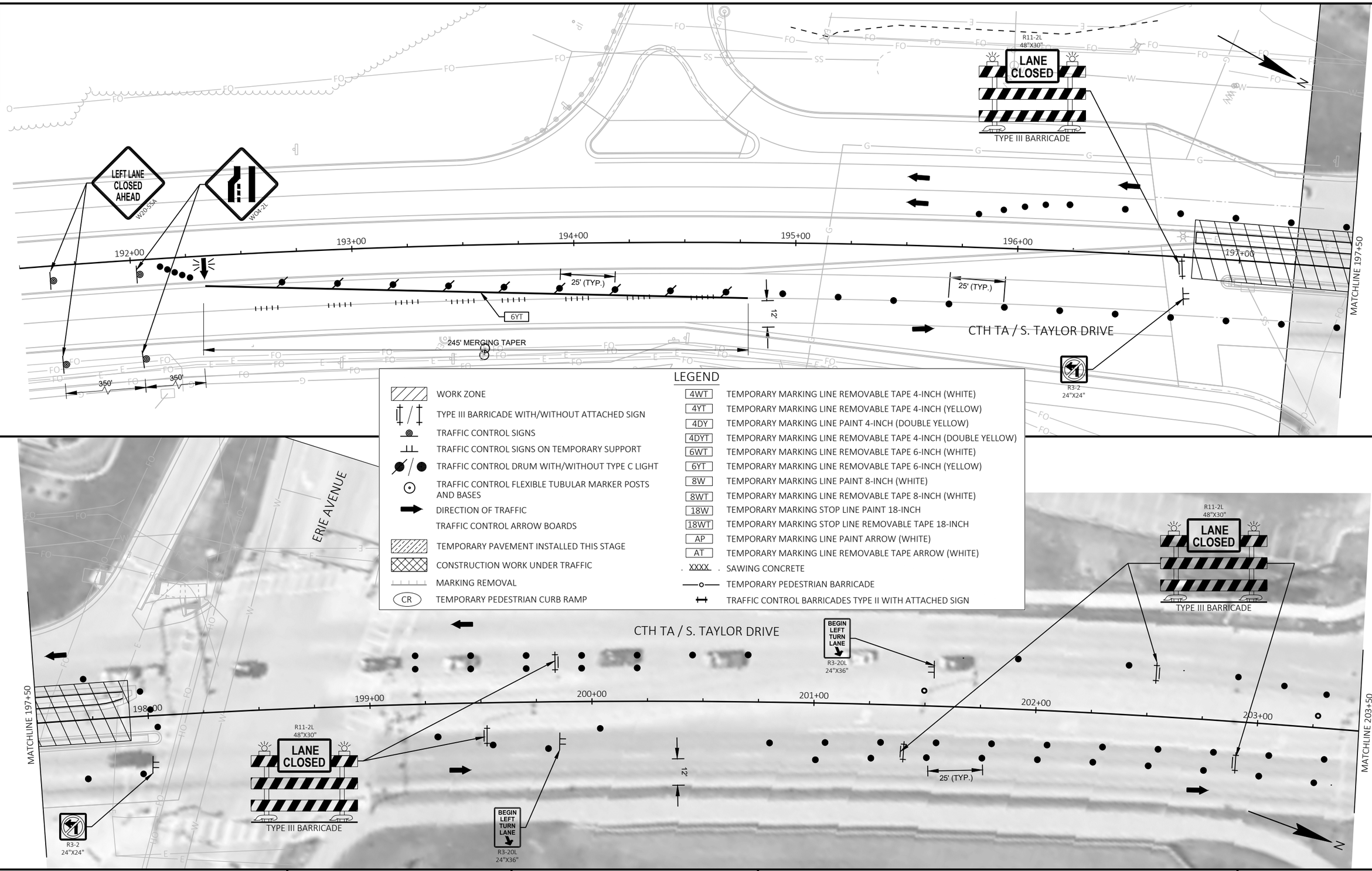
TEMPORARY PEDESTRIAN SURFACE ASPHALT REQ'D

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

N

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 3	SHEET 157	E

2



LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 3	SHEET 158 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S3.DWG
LAYOUT NAME - 025105_s3
PLOT DATE : 8/1/2023 8:00 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

R11-2L

CTH TA / S. TAYLOR DRIVE

25' (TYP.)

204+00

205+00

206+00

207+00

208+00

209+00

MATCHLINE 203+50

MATCHLINE 209+50

48"X30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

180' SHIFTING TAPER

+77

4WT

4YT

WO1-6
48"X24"
TYPE III BARRICADE

N

LEGEND

	WORK ZONE
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
	TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	DIRECTION OF TRAFFIC
	TRAFFIC CONTROL ARROW BOARDS
	TEMPORARY PAVEMENT INSTALLED THIS STAGE
	CONSTRUCTION WORK UNDER TRAFFIC
	MARKING REMOVAL
CR	TEMPORARY PEDESTRIAN CURB RAMP

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
6WT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
6YT	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18W	TEMPORARY MARKING STOP LINE PAINT 18-INCH
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
AP	TEMPORARY MARKING LINE PAINT ARROW (WHITE)
AT	TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
XXXX	SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

+36

25' (TYP.)

180' SHIFTING TAPER

4WT

4YT

12'

210+00

211+00

MATCHLINE 209+50

CTH TA / S. TAYLOR DRIVE

END ROAD WORK
G20-2A
48"X24"

R11-2L
48"X30"
LANE CLOSED
TYPE III BARRICADE

+18

18WT

8WT

12'

18WT

+67

212+00

213+00

+04

4WT

180' MERGING TAPER

+84

214+00

215+00

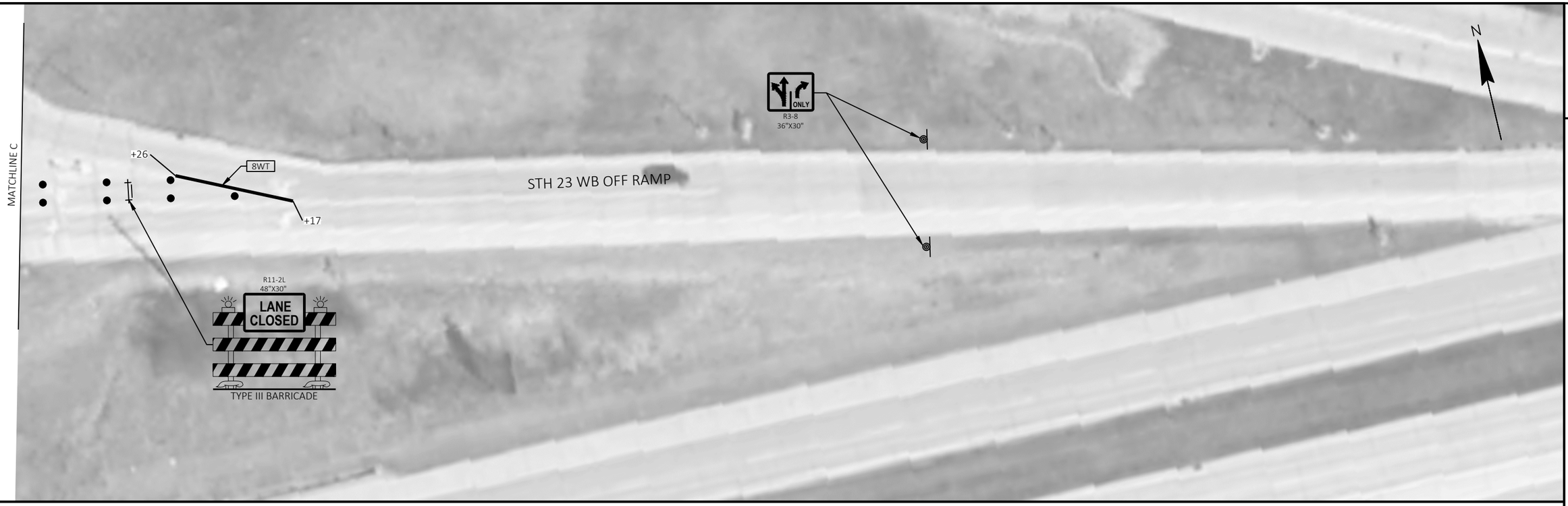
KOHLER MEMORIAL DRIVE

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TRAFFIC CONTROL - STAGE 3	SHEET 159	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S3.DWG
LAYOUT NAME - 025106_s3

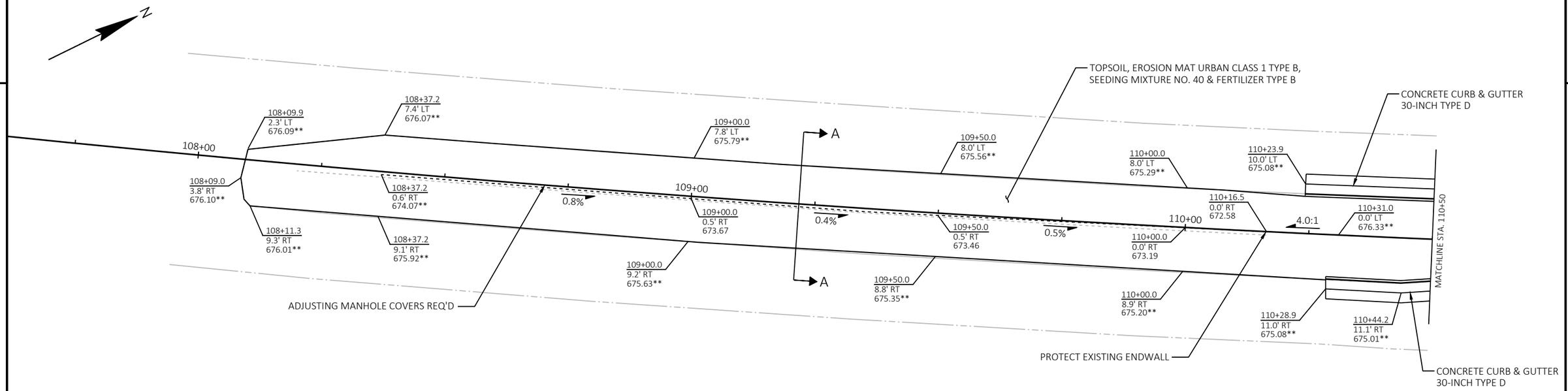
PLOT DATE : 8/1/2023 8:01 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

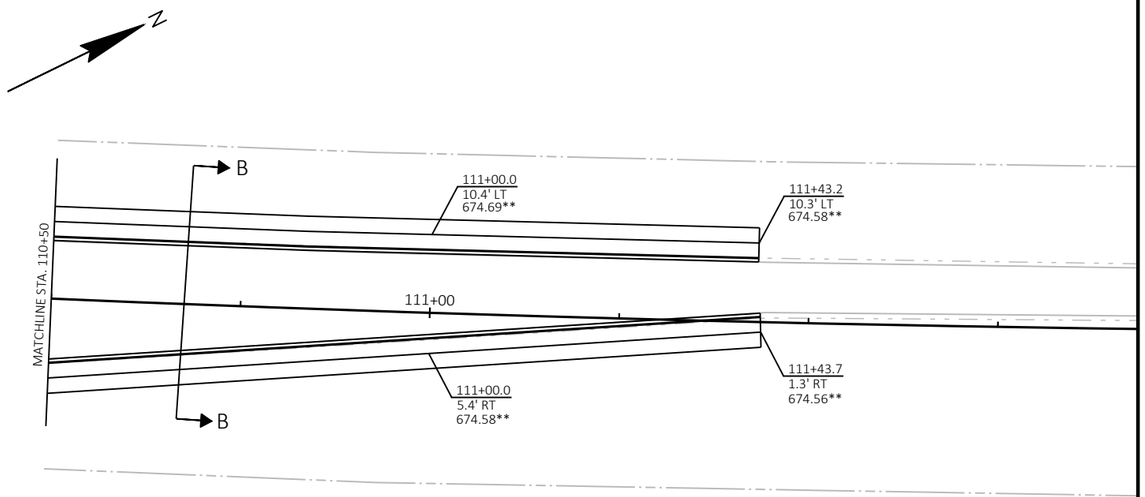
2



LEGEND

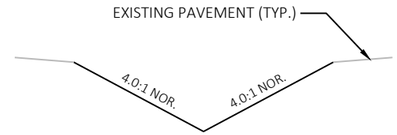
WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C LIGHT	6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES	6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
DIRECTION OF TRAFFIC	8W — TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
TEMPORARY PAVEMENT INSTALLED THIS STAGE	18W — TEMPORARY MARKING STOP LINE PAINT 18-INCH
CONSTRUCTION WORK UNDER TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
MARKING REMOVAL	AP — TEMPORARY MARKING LINE PAINT ARROW (WHITE)
CR — TEMPORARY PEDESTRIAN CURB RAMP	AT — TEMPORARY MARKING LINE REMOVABLE TAPE ARROW (WHITE)
	XXXX — SAWING CONCRETE
	TEMPORARY PEDESTRIAN BARRICADE
	TRAFFIC CONTROL BARRICADES TYPE II WITH ATTACHED SIGN



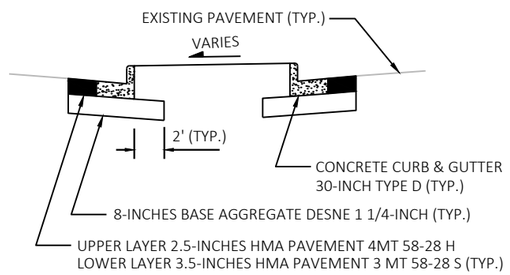


** MATCH EXISTING

TYPICAL DITCH SECTION A-A



TYPICAL MEDIAN SECTION B-B



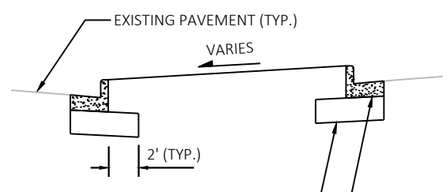
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY PAVEMENT RESTORATION - STAGE 3	SHEET 161	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S3_RE.DWG
LAYOUT NAME - 025101_s3_re
PLOT DATE : 8/1/2023 8:01 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

N

TYPICAL MEDIAN SECTION A-A



MOVING SIGNS TYPE II REQ'D

ONE WAY

205+74.5
5.8' LT
703.09**

206+50.0
4.2' LT
703.50**

206+00

207+00.0
3.4' LT
703.59**

207+00

A

CONCRETE CURB & GUTTER
30-INCH TYPE A

208+00.0
2.3' LT
703.19**

208+00

208+74.0
2.0' LT
702.31**

206+40.8
14.4' RT
703.75**

207+00.0
14.7' RT
704.00**

A

CONCRETE CURB & GUTTER
30-INCH TYPE A

208+00.0
15.1' RT
703.42**

208+42.2
15.2' RT
703.05**

TOPSOIL, EROSION MAT URBAN CLASS 1 TYPE B,
SEEDING MIXTURE NO. 40 & FERTILIZER TYPE B

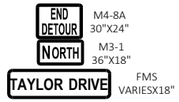
** MATCH EXISTING

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY PAVEMENT RESTORATION - STAGE 3	SHEET 162	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025100_TC_S3_RE.DWG
LAYOUT NAME - 025102_s3_re
PLOT DATE : 8/28/2023 11:21 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

1

2



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4

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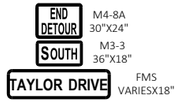


6

A

B

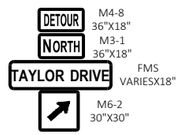
C

D

E

F

G



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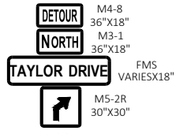

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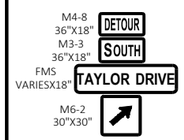


9

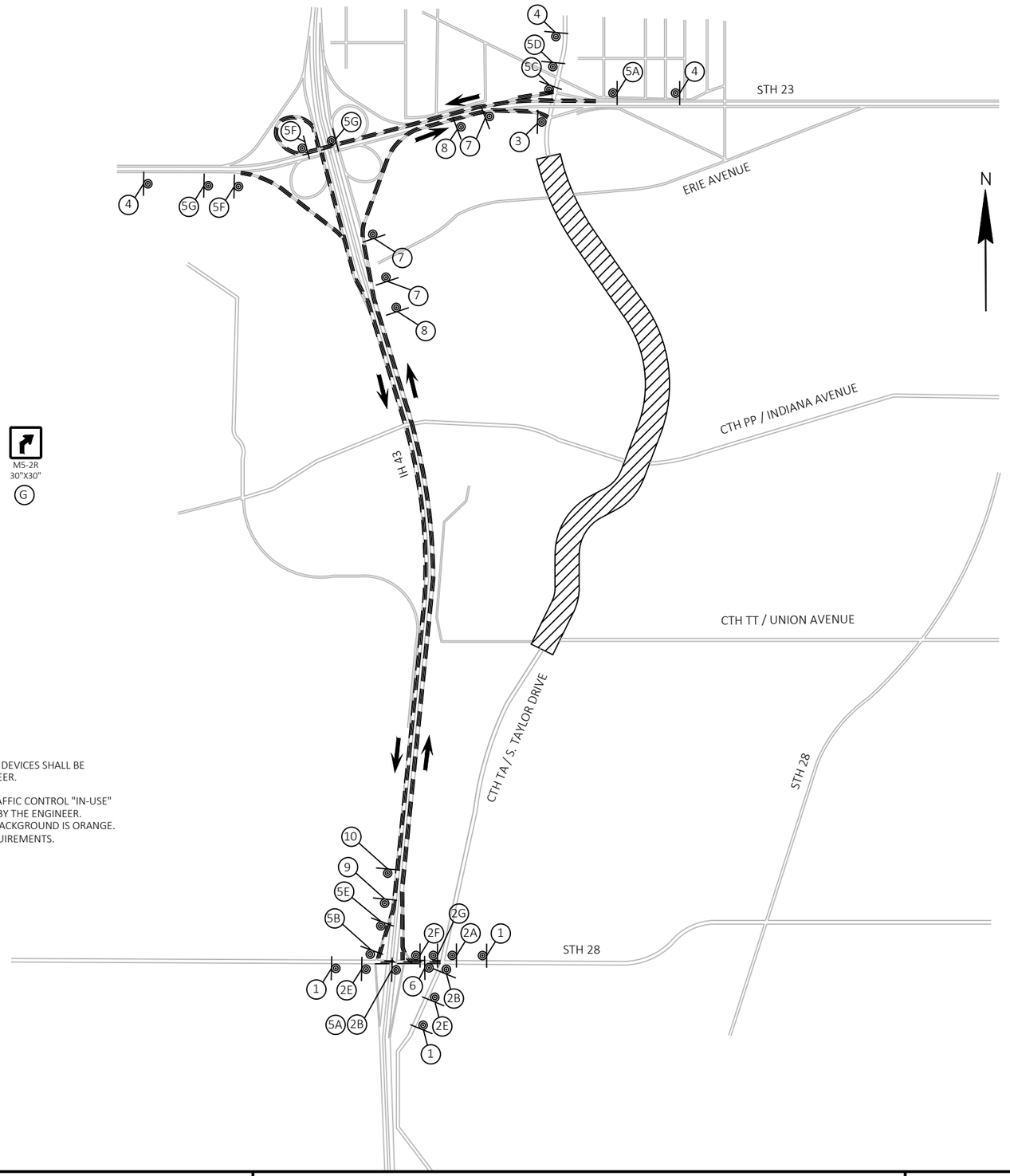
10

LEGEND

- DETOUR ROUTE
- POST WITH ATTACHED SIGNS
- WORK ZONE

TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. 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.
4. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.



2

CTH TA / S. TAYLOR DRIVE CENTERLINE ALIGNMENT

CURVE 1
P.I. = 107+66.54
X = 208,652.34
Y = 169,125.21
DELTA = 11° 33' 10"
D = 01° 10' 09"
R = 4900.00'
T = 495.68'
L = 988.00'
P.C. = 102+70.86
X = 208,349.83
Y = 168,732.54
P.T. = 112+58.86
X = 208,870.07
Y = 169,570.51

CURVE 2
P.I. = 122+08.43
X = 209,287.19
Y = 170,423.56
DELTA = 26° 01' 46"
D = 07° 28' 48"
R = 766.00'
T = 177.05'
L = 347.99'
P.C. = 120+31.37
X = 209,209.41
Y = 170,264.50
P.T. = 123+79.37
X = 209,287.27
Y = 170,600.61

CURVE 3
P.I. = 134+56.14
X = 209,287.80
Y = 171,677.38
DELTA = 61° 57' 28"
D = 06° 28' 53"
R = 884.00'
T = 530.72'
L = 955.93'
P.C. = 129+25.42
X = 209,287.54
Y = 171,146.66
P.T. = 138+81.35
X = 209,756.33
Y = 171,926.65

CURVE 4
P.I. = 143+85.15
X = 210,201.11
Y = 172,163.29
DELTA = 30° 58' 14"
D = 07° 53' 31"
R = 726.00'
T = 201.14'
L = 392.43'
P.C. = 141+84.02
X = 210,023.54
Y = 172,068.81
P.C.C. = 145+76.45
X = 210,304.75
Y = 172,335.67

CURVE 5
P.I. = 146+62.33
X = 210,349.00
Y = 172,409.27
DELTA = 10° 29' 06"
D = 06° 07' 17"
R = 936.00'
T = 85.88'
L = 171.29'
P.C.C. = 145+76.45
X = 210,304.75
Y = 172,335.67
P.T. = 147+47.74
X = 210,379.12
Y = 172,489.70

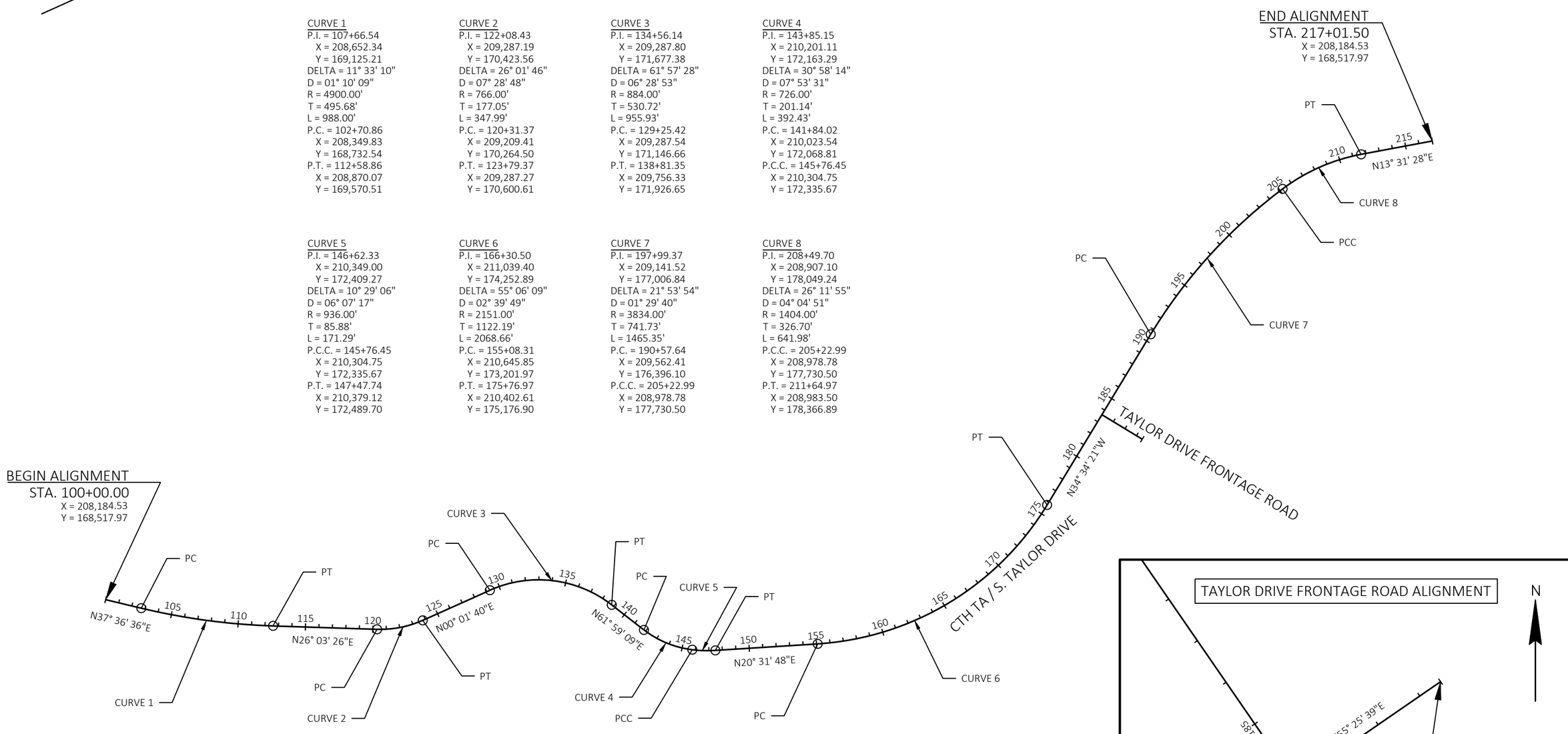
CURVE 6
P.I. = 166+30.50
X = 211,039.40
Y = 174,252.89
DELTA = 55° 06' 09"
D = 02° 39' 49"
R = 2151.00'
T = 1122.19'
L = 2068.66'
P.C. = 155+08.31
X = 210,645.85
Y = 173,201.97
P.T. = 175+76.97
X = 210,402.61
Y = 175,176.90

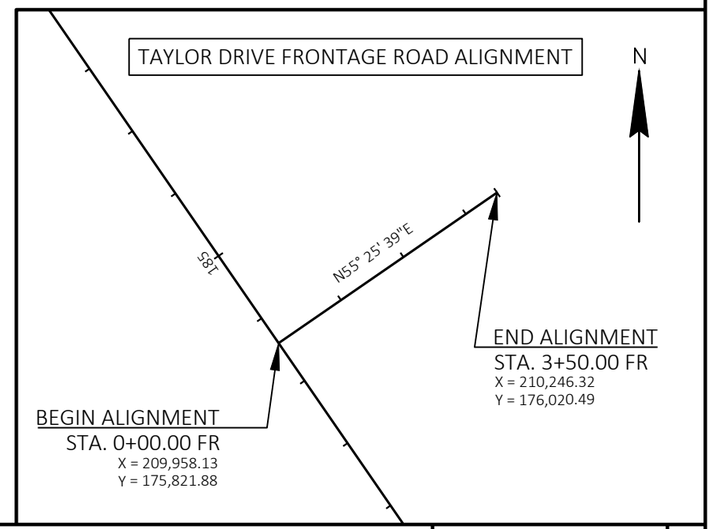
CURVE 7
P.I. = 197+99.37
X = 209,141.52
Y = 177,006.84
DELTA = 21° 53' 54"
D = 01° 29' 40"
R = 3834.00'
T = 741.73'
L = 1465.35'
P.C. = 190+57.64
X = 209,562.41
Y = 176,396.10
P.C.C. = 205+22.99
X = 208,978.78
Y = 177,730.50

CURVE 8
P.I. = 208+49.70
X = 208,907.10
Y = 178,049.24
DELTA = 26° 11' 55"
D = 04° 04' 51"
R = 1404.00'
T = 326.70'
L = 641.98'
P.C.C. = 205+22.99
X = 208,978.78
Y = 177,730.50
P.T. = 211+64.97
X = 208,983.50
Y = 178,366.89

END ALIGNMENT
STA. 217+01.50
X = 208,184.53
Y = 168,517.97

BEGIN ALIGNMENT
STA. 100+00.00
X = 208,184.53
Y = 168,517.97

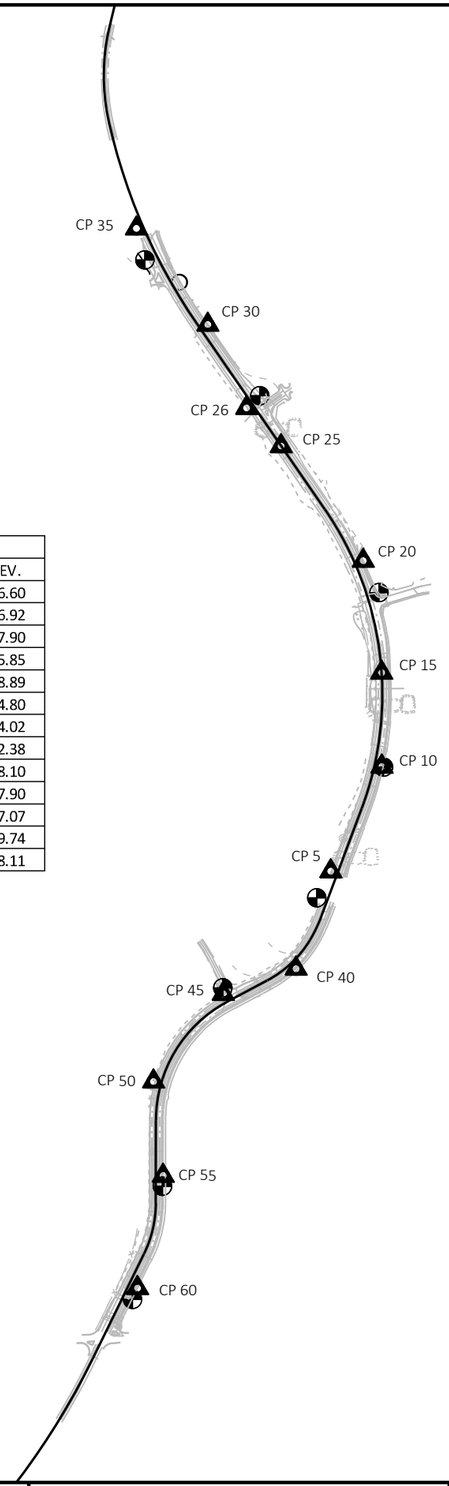


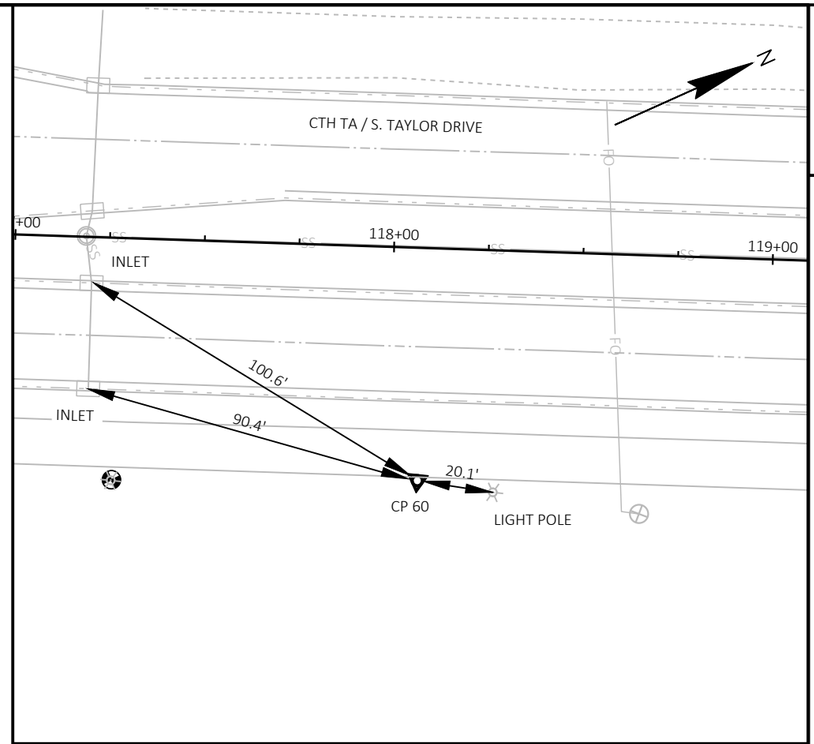


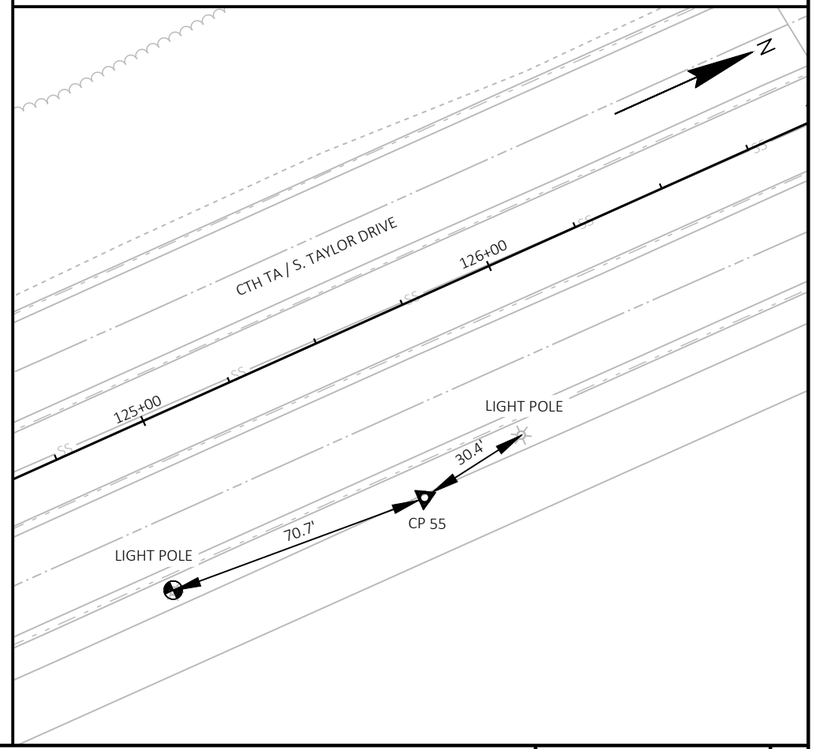
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	ALIGNMENT DATA	SHEET 164	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027201_ad
PLOT DATE : 8/1/2023 11:23 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1:750
WISDOT/CADDS SHEET 42

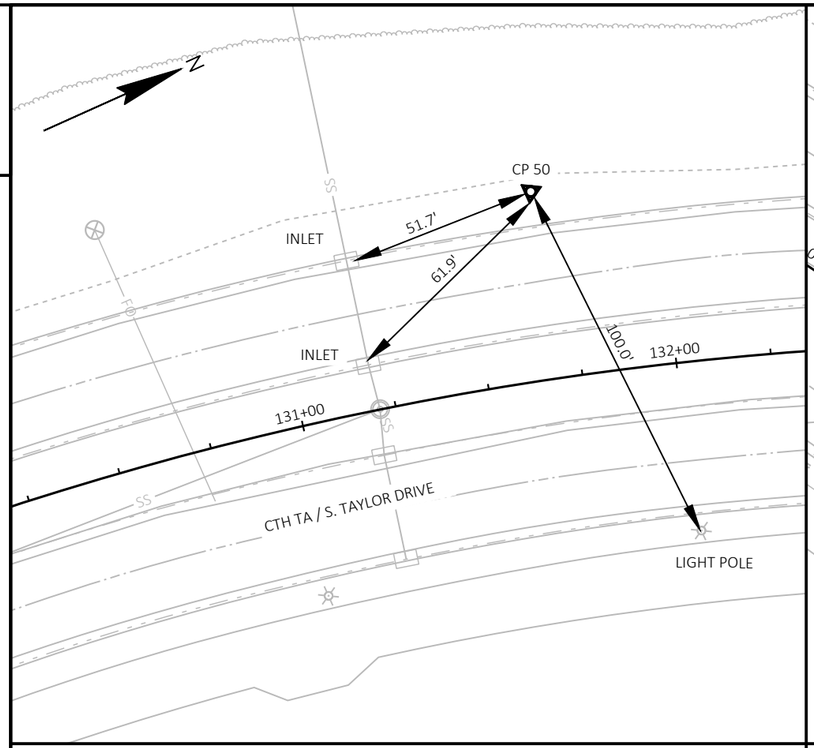
CONTROL POINT DATA TABLE						
CP NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
60	118+08.17	61.42' RT	CHISILED X	170,036.97	209,166.56	666.60
55	125+59.53	48.87' RT	MAG NAIL	170,780.73	209,336.20	646.92
50	131+68.50	49.81' LT	BAR	171,400.24	209,272.98	617.90
45	138+85.81	58.20' LT	BAR	171,980.10	209,732.94	595.85
40	143+76.41	48.23' RT	CHISILED X	172,145.38	210,212.49	598.89
5	150+50.08	45.96' LT	BAR	172,788.97	210,442.10	594.80
10	158+10.91	49.05' RT	MAG NAIL	173,481.26	210,779.62	624.02
15	164+22.04	0.60' RT	BAR	174,099.25	210,778.28	642.38
20	171+61.65	57.20' RT	MAG NAIL	174,837.19	210,656.42	648.10
25	180+84.40	0.11' LT	BAR	175,594.65	210,114.53	647.90
26	184+20.36	44.96' LT	BAR	175,845.87	209,887.02	647.07
30	190+19.21	56.45' RT	CHISELED X	176,396.55	209,630.65	659.74
35	198+04.29	45.56' LT	CHISELED X	177,030.03	209,159.27	688.11

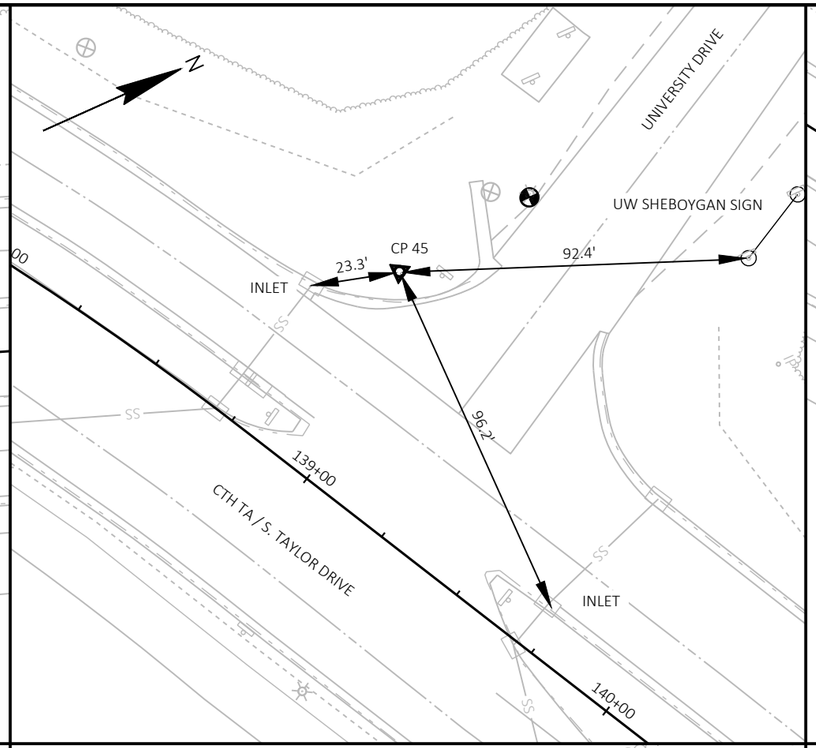


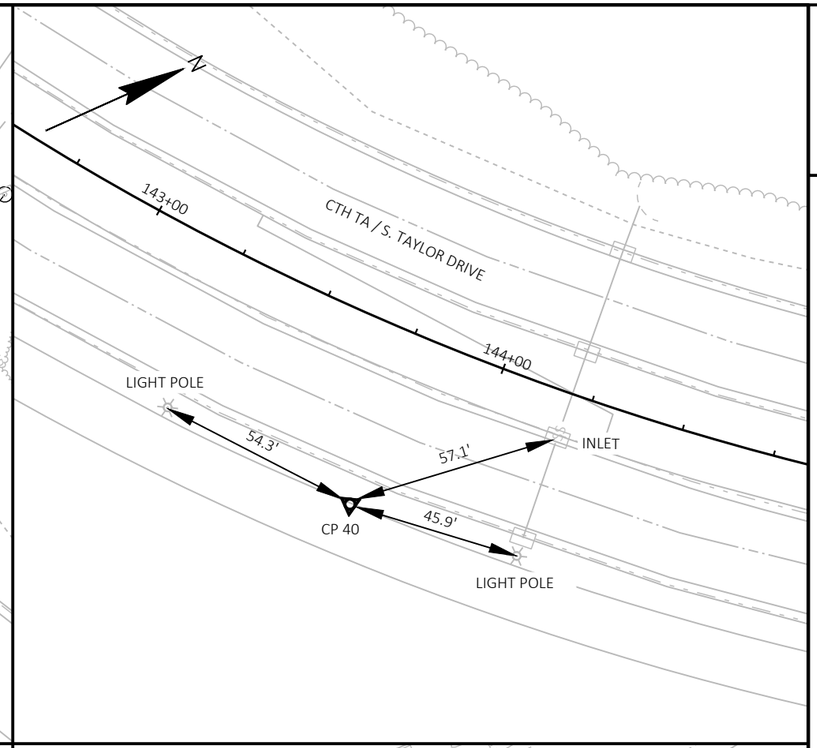


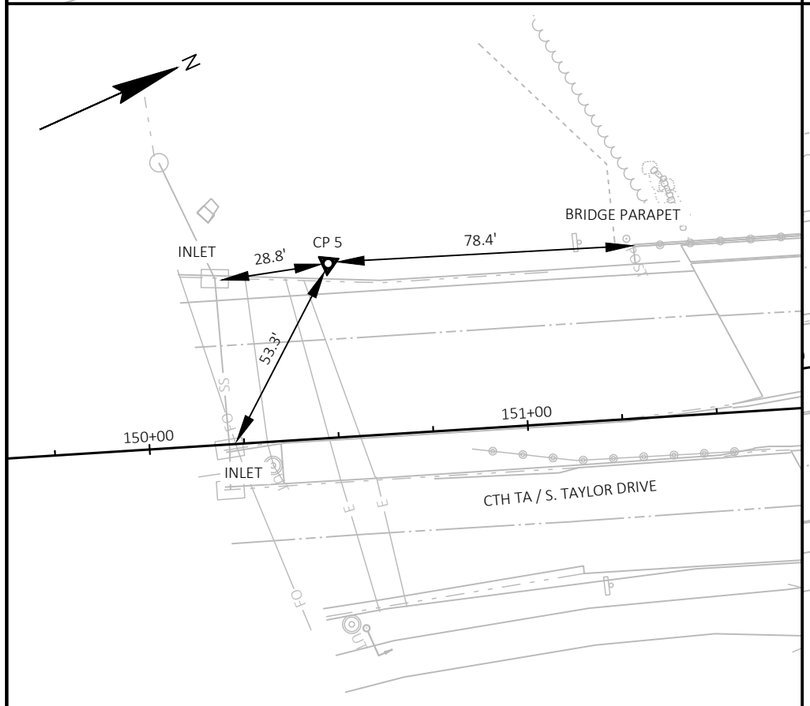


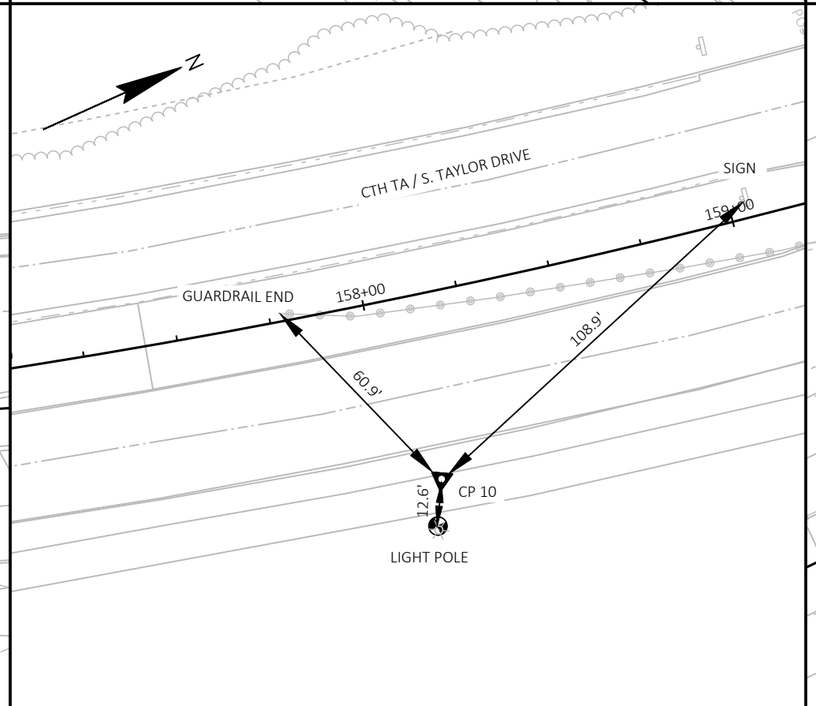
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CONTROL POINT DATA	SHEET 165	E

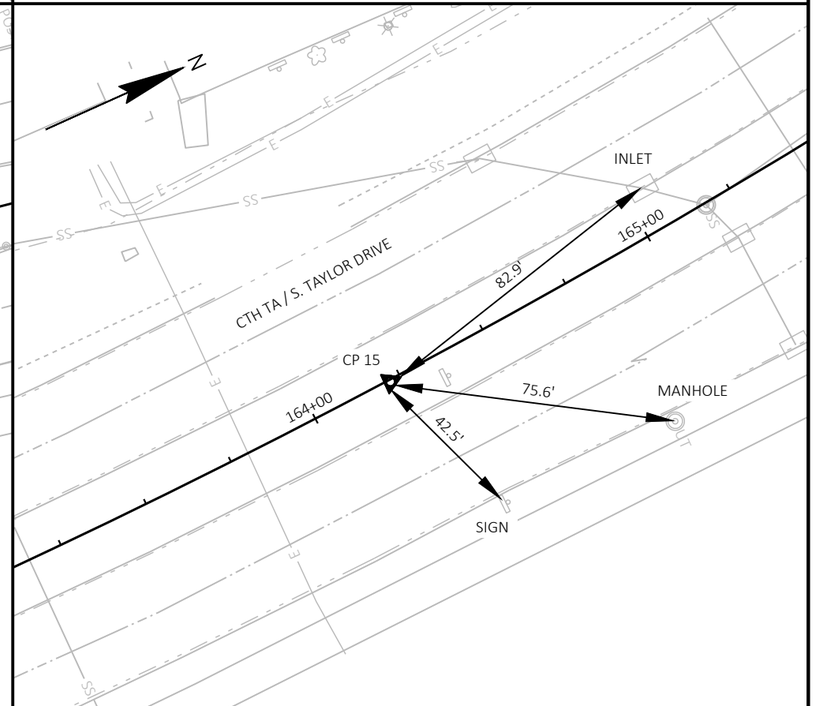










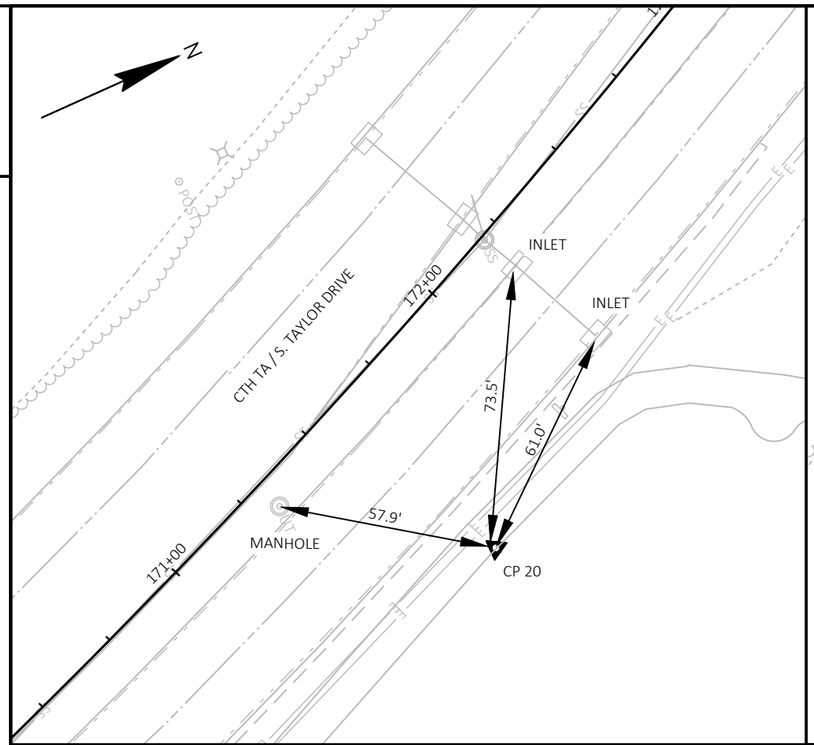


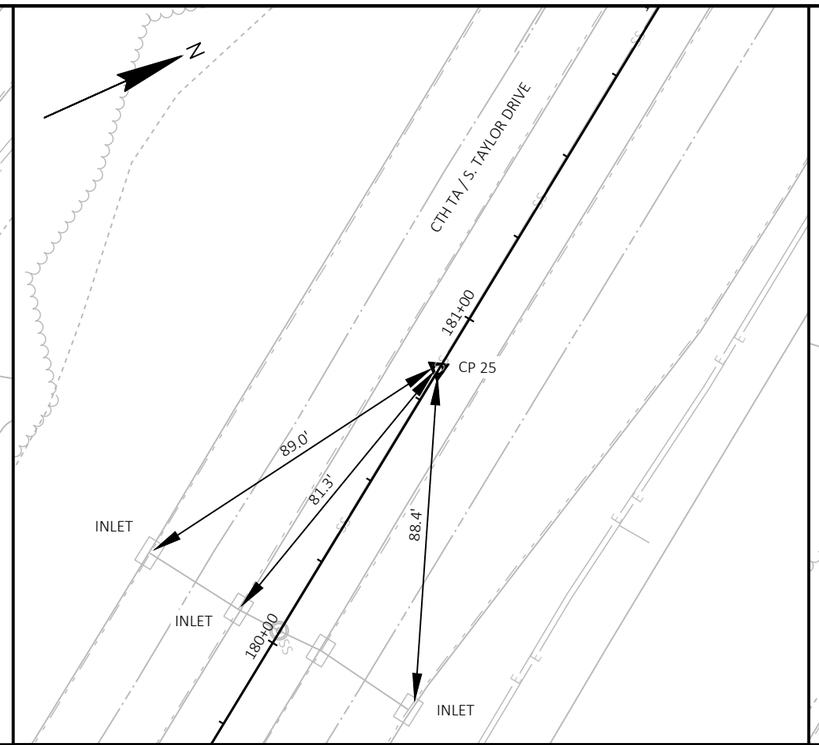
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CONTROL POINT DATA	SHEET 166	E

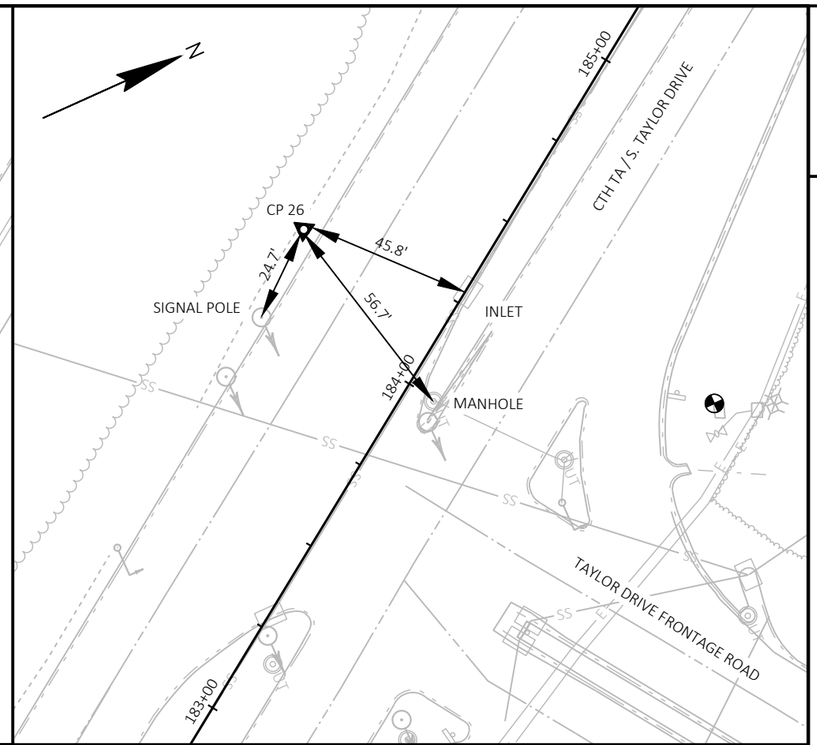
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027301_CP.DWG
LAYOUT NAME - 027302_cp

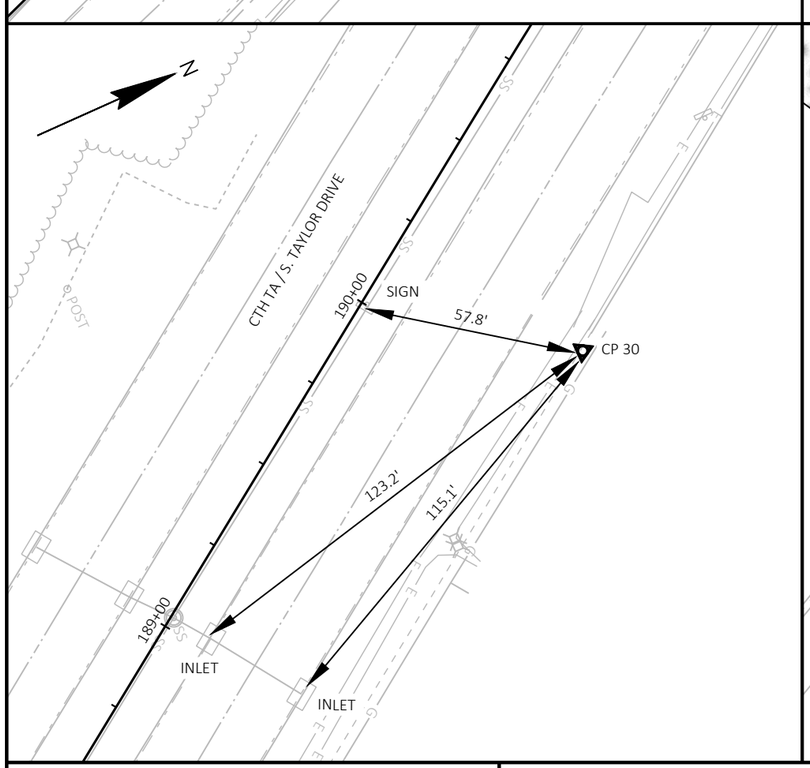
PLOT DATE : 7/31/2023 7:09 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : ##########

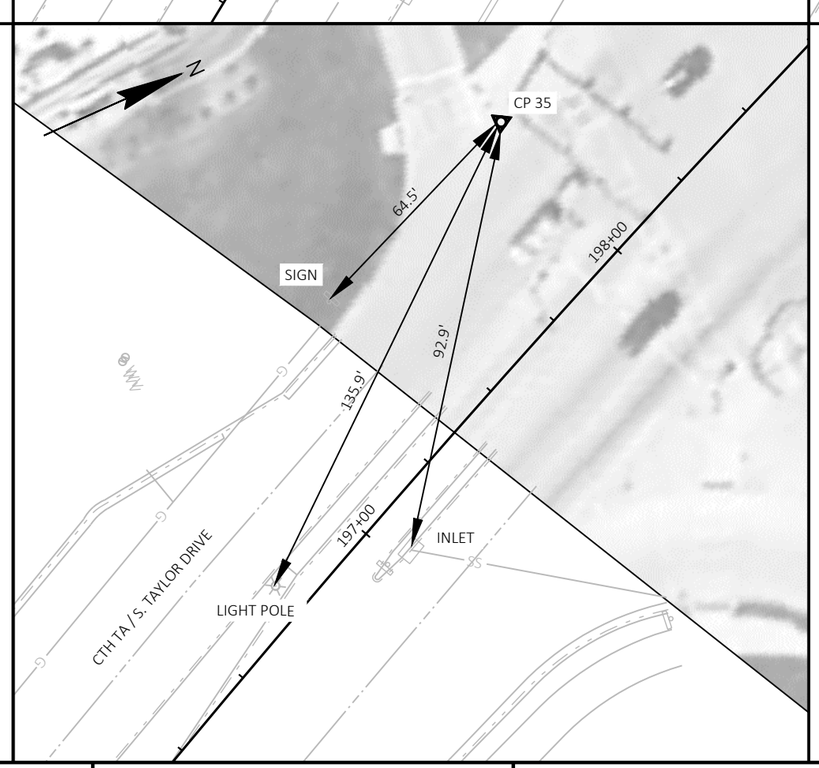
WISDOT/CADDS SHEET 42











PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CONTROL POINT DATA	SHEET 167	E

4291-03-70

Line	Item	Item Description	Unit	Total	Qty
0002	201.0110	Clearing	SY	57.000	57.000
0004	201.0210	Grubbing	SY	57.000	57.000
0006	204.0100	Removing Concrete Pavement	SY	56,950.000	56,950.000
0008	204.0110	Removing Asphaltic Surface	SY	168.000	168.000
0010	204.0150	Removing Curb & Gutter	LF	734.000	734.000
0012	204.0155	Removing Concrete Sidewalk	SY	350.000	350.000
0014	204.0165	Removing Guardrail	LF	668.000	668.000
0016	204.0190	Removing Surface Drains	EACH	4.000	4.000
0018	204.0195	Removing Concrete Bases	EACH	19.000	19.000
0020	204.0210	Removing Manholes	EACH	8.000	8.000
0022	204.0220	Removing Inlets	EACH	92.000	92.000
0024	204.0245	Removing Storm Sewer (size) 01. 4-Inch	LF	7.000	7.000
0026	204.0245	Removing Storm Sewer (size) 02. 6-Inch	LF	16.000	16.000
0028	204.0245	Removing Storm Sewer (size) 03. 12-Inch	LF	1,880.000	1,880.000
0030	204.0245	Removing Storm Sewer (size) 04. 15-Inch	LF	20.000	20.000
0032	204.0245	Removing Storm Sewer (size) 05. 18-Inch	LF	1,786.000	1,786.000
0034	204.0245	Removing Storm Sewer (size) 06. 24-Inch	LF	693.000	693.000
0036	204.0280	Sealing Pipes	EACH	2.000	2.000
0038	205.0100	Excavation Common	CY	47,511.000	47,511.000
0040	211.0201	Prepare Foundation for Concrete Pavement (project) 01. 4291-03-70	EACH	1.000	1.000
0042	213.0100	Finishing Roadway (project) 01. 4291-03-70	EACH	1.000	1.000
0044	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	17,524.000	17,524.000
0046	305.0130	Base Aggregate Dense 3-Inch	TON	56,746.000	56,746.000
0048	310.0115	Base Aggregate Open-Graded	CY	47.000	47.000
0050	415.0080	Concrete Pavement 8-Inch	SY	1,409.000	1,409.000
0052	415.0410	Concrete Pavement Approach Slab	SY	288.000	288.000
0054	415.1080	Concrete Pavement HES 8-Inch	SY	200.000	200.000
0056	415.4100	Concrete Pavement Joint Filling	SY	1,802.000	1,802.000
0058	416.0610	Drilled Tie Bars	EACH	238.000	238.000
0060	416.0620	Drilled Dowel Bars	EACH	110.000	110.000
0062	455.0605	Tack Coat	GAL	3,070.000	3,070.000
0064	460.2000	Incentive Density HMA Pavement	DOL	9,960.000	9,960.000
0066	460.6223	HMA Pavement 3 MT 58-28 S	TON	9,091.000	9,091.000
0068	460.6424	HMA Pavement 4 MT 58-28 H	TON	6,478.000	6,478.000
0070	465.0105	Asphaltic Surface	TON	30.000	30.000
0072	465.0125	Asphaltic Surface Temporary	TON	216.000	216.000
0074	520.8000	Concrete Collars for Pipe	EACH	9.000	9.000
0076	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000
0078	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	3.000	3.000
0080	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	193.000	193.000
0082	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	83.000	83.000
0084	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	1,279.000	1,279.000
0086	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	29,756.000	29,756.000
0088	601.0588	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	LF	185.000	185.000
0090	601.0600	Concrete Curb Pedestrian	LF	44.000	44.000
0092	602.0410	Concrete Sidewalk 5-Inch	SF	4,778.000	4,778.000
0094	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	168.000	168.000
0096	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	36.000	36.000
0098	602.3010	Concrete Surface Drains	CY	5.000	5.000

4291-03-70

Line	Item	Item Description	Unit	Total	Qty
0100	603.8000	Concrete Barrier Temporary Precast Delivered	LF	438.000	438.000
0102	603.8125	Concrete Barrier Temporary Precast Installed	LF	438.000	438.000
0104	606.0200	Riprap Medium	CY	29.000	29.000
0106	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,629.000	1,629.000
0108	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	21.000	21.000
0110	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	1,883.000	1,883.000
0112	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	869.000	869.000
0114	611.0530	Manhole Covers Type J	EACH	10.000	10.000
0116	611.0624	Inlet Covers Type H	EACH	77.000	77.000
0118	611.0639	Inlet Covers Type H-S	EACH	20.000	20.000
0120	611.2004	Manholes 4-FT Diameter	EACH	7.000	7.000
0122	611.2005	Manholes 5-FT Diameter	EACH	5.000	5.000
0124	611.3004	Inlets 4-FT Diameter	EACH	10.000	10.000
0126	611.3230	Inlets 2x3-FT	EACH	82.000	82.000
0128	611.8110	Adjusting Manhole Covers	EACH	6.000	6.000
0130	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0132	611.8120.S	Cover Plates Temporary	EACH	2.000	2.000
0134	611.9705	Salvaged Manhole Covers	EACH	1.000	1.000
0136	611.9710	Salvaged Inlet Covers	EACH	1.000	1.000
0138	612.0106	Pipe Underdrain 6-Inch	LF	1,200.000	1,200.000
0140	614.2300	MGS Guardrail 3	LF	300.000	300.000
0142	614.2500	MGS Thrie Beam Transition	LF	197.000	197.000
0144	614.2610	MGS Guardrail Terminal EAT	EACH	5.000	5.000
0146	618.0100	Maintenance And Repair of Haul Roads (project) 01. 4291-03-70	EACH	1.000	1.000
0148	619.1000	Mobilization	EACH	1.000	1.000
0150	620.0300	Concrete Median Sloped Nose	SF	853.000	853.000
0152	623.0200	Dust Control Surface Treatment	SY	59,150.000	59,150.000
0154	624.0100	Water	MGAL	790.000	790.000
0156	625.0100	Topsoil	SY	18,797.000	18,797.000
0158	628.1504	Silt Fence	LF	5,386.000	5,386.000
0160	628.1520	Silt Fence Maintenance	LF	5,386.000	5,386.000
0162	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0164	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0166	628.2008	Erosion Mat Urban Class I Type B	SY	18,797.000	18,797.000
0168	628.7005	Inlet Protection Type A	EACH	96.000	96.000
0170	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0172	628.7015	Inlet Protection Type C	EACH	175.000	175.000
0174	628.7020	Inlet Protection Type D	EACH	24.000	24.000
0176	628.7555	Culvert Pipe Checks	EACH	14.000	14.000
0178	628.7560	Tracking Pads	EACH	7.000	7.000
0180	628.7570	Rock Bags	EACH	320.000	320.000
0182	629.0210	Fertilizer Type B	CWT	14.200	14.200
0184	630.0140	Seeding Mixture No. 40	LB	405.000	405.000
0186	630.0200	Seeding Temporary	LB	610.000	610.000
0188	630.0500	Seed Water	MGAL	505.000	505.000
0190	633.5200	Markers Culvert End	EACH	4.000	4.000
0192	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	41.000	41.000
0194	637.2210	Signs Type II Reflective H	SF	312.490	312.490
0196	637.2215	Signs Type II Reflective H Folding	SF	36.260	36.260

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Line	Item	Item Description	Unit	Total	Qty
0198	638.2102	Moving Signs Type II	EACH	18.000	18.000
0200	638.2602	Removing Signs Type II	EACH	38.000	38.000
0202	638.3000	Removing Small Sign Supports	EACH	38.000	38.000
0204	642.5001	Field Office Type B	EACH	1.000	1.000
0206	643.0300	Traffic Control Drums	DAY	68,294.000	68,294.000
0208	643.0410	Traffic Control Barricades Type II	DAY	762.000	762.000
0210	643.0420	Traffic Control Barricades Type III	DAY	13,741.000	13,741.000
0212	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	788.000	788.000
0214	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	788.000	788.000
0216	643.0705	Traffic Control Warning Lights Type A	DAY	27,192.000	27,192.000
0218	643.0715	Traffic Control Warning Lights Type C	DAY	9,985.000	9,985.000
0220	643.0800	Traffic Control Arrow Boards	DAY	488.000	488.000
0222	643.0900	Traffic Control Signs	DAY	42,354.000	42,354.000
0224	643.0920	Traffic Control Covering Signs Type II	EACH	50.000	50.000
0226	643.1050	Traffic Control Signs PCMS	DAY	70.000	70.000
0228	643.3105	Temporary Marking Line Paint 4-Inch	LF	14,826.000	14,826.000
0230	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	24,054.000	24,054.000
0232	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	3,767.000	3,767.000
0234	643.3205	Temporary Marking Line Paint 8-Inch	LF	212.000	212.000
0236	643.3250	Temporary Marking Line Removable Tape 8-Inch	LF	1,187.000	1,187.000
0238	643.3505	Temporary Marking Arrow Paint	EACH	4.000	4.000
0240	643.3550	Temporary Marking Arrow Removable Tape	EACH	10.000	10.000
0242	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	40.000	40.000
0244	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	342.000	342.000
0246	643.5000	Traffic Control	EACH	1.000	1.000
0248	644.1410	Temporary Pedestrian Surface Asphalt	SF	5,594.000	5,594.000
0250	644.1601	Temporary Pedestrian Curb Ramp	DAY	120.000	120.000
0252	644.1810	Temporary Pedestrian Barricade	LF	5,636.000	5,636.000
0254	645.0111	Geotextile Type DF Schedule A	SY	534.000	534.000
0256	645.0120	Geotextile Type HR	SY	115.000	115.000
0258	645.0220	Geogrid Type SR	SY	26,850.000	26,850.000
0260	646.1005	Marking Line Paint 4-Inch	LF	32,511.000	32,511.000
0262	646.3005	Marking Line Paint 8-Inch	LF	2,810.000	2,810.000
0264	646.5005	Marking Arrow Paint	EACH	33.000	33.000
0266	646.5105	Marking Word Paint	EACH	7.000	7.000
0268	646.6105	Marking Stop Line Paint 18-Inch	LF	507.000	507.000
0270	646.7405	Marking Crosswalk Paint Transverse Line 6-Inch	LF	615.000	615.000
0272	646.8105	Marking Curb Paint	LF	506.000	506.000
0274	646.8205	Marking Island Nose Paint	EACH	15.000	15.000
0276	646.9000	Marking Removal Line 4-Inch	LF	593.000	593.000
0278	646.9100	Marking Removal Line 8-Inch	LF	658.000	658.000
0280	646.9200	Marking Removal Line Wide	LF	265.000	265.000
0282	646.9300	Marking Removal Special Marking	EACH	11.000	11.000
0284	650.4000	Construction Staking Storm Sewer	EACH	104.000	104.000
0286	650.4500	Construction Staking Subgrade	LF	16,210.000	16,210.000
0288	650.5000	Construction Staking Base	LF	16,210.000	16,210.000
0290	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	29,789.000	29,789.000
0292	650.7000	Construction Staking Concrete Pavement	LF	505.000	505.000
0294	650.9000	Construction Staking Curb Ramps	EACH	11.000	11.000

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Line	Item	Item Description	Unit	Total	Qty
0296	650.9500	Construction Staking Sidewalk (project) 01. 4291-03-70	EACH	1.000	1.000
0298	650.9911	Construction Staking Supplemental Control (project) 01. 4291-03-70	EACH	1.000	1.000
0300	650.9920	Construction Staking Slope Stakes	LF	16,210.000	16,210.000
0302	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	115.000	115.000
0304	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,921.000	1,921.000
0306	653.0140	Pull Boxes Steel 24x42-Inch	EACH	18.000	18.000
0308	653.0905	Removing Pull Boxes	EACH	27.000	27.000
0310	654.0101	Concrete Bases Type 1	EACH	8.000	8.000
0312	654.0102	Concrete Bases Type 2	EACH	3.000	3.000
0314	654.0110	Concrete Bases Type 10	EACH	1.000	1.000
0316	654.0113	Concrete Bases Type 13	EACH	1.000	1.000
0318	654.0120	Concrete Bases Type 10-Special	EACH	2.000	2.000
0320	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0322	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,024.000	1,024.000
0324	655.0240	Cable Traffic Signal 7-14 AWG	LF	981.000	981.000
0326	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,603.000	1,603.000
0328	655.0263	Cable Traffic Signal 15-10 AWG	LF	280.000	280.000
0330	655.0320	Cable Type UF 2-10 AWG Grounded	LF	1,151.000	1,151.000
0332	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,356.000	2,356.000
0334	655.0610	Electrical Wire Lighting 12 AWG	LF	819.000	819.000
0336	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. CTH TA & Taylor Frontage Road	EACH	1.000	1.000
0338	657.0100	Pedestal Bases	EACH	8.000	8.000
0340	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	3.000	3.000
0342	657.0310	Poles Type 3	EACH	3.000	3.000
0344	657.0350	Poles Type 10	EACH	1.000	1.000
0346	657.0352	Poles Type 10-Special	EACH	2.000	2.000
0348	657.0360	Poles Type 13	EACH	1.000	1.000
0350	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	1.000	1.000
0352	657.0410	Traffic Signal Standards Aluminum 9-FT	EACH	1.000	1.000
0354	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	5.000	5.000
0356	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	1.000	1.000
0358	657.0530	Monotube Arms 30-FT	EACH	1.000	1.000
0360	657.0536	Monotube Arms 35-FT-Special	EACH	1.000	1.000
0362	657.0546	Monotube Arms 45-FT-Special	EACH	1.000	1.000
0364	657.0550	Monotube Arms 50-FT	EACH	1.000	1.000
0366	657.0595	Trombone Arms 25-FT	EACH	2.000	2.000
0368	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	3.000	3.000
0370	657.0806	Luminaire Arms Steel 6-FT	EACH	4.000	4.000
0372	658.0173	Traffic Signal Face 3S 12-Inch	EACH	23.000	23.000
0374	658.0174	Traffic Signal Face 4S 12-Inch	EACH	4.000	4.000
0376	658.0416	Pedestrian Signal Face 16-Inch	EACH	4.000	4.000
0378	658.0500	Pedestrian Push Buttons	EACH	5.000	5.000
0380	658.5070	Signal Mounting Hardware (location) 01. CTH TA & New Jersey Avenue	EACH	1.000	1.000
0382	658.5070	Signal Mounting Hardware (location) 02. CTH TA & Taylor Drive Frontage Road	EACH	1.000	1.000
0384	659.1125	Luminaires Utility LED C	EACH	7.000	7.000
0386	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	37.000	37.000
0388	690.0150	Sawing Asphalt	LF	1,210.000	1,210.000
0390	690.0250	Sawing Concrete	LF	2,471.000	2,471.000

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Line	Item	Item Description	Unit	Total	Qty
0392	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0394	740.0440	Incentive IRI Ride	DOL	5,734.000	5,734.000
0396	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0398	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,400.000	2,400.000
0400	SPV.0060	Special 01. Storm Sewer Cut-In	EACH	3.000	3.000
0402	SPV.0060	Special 02. Adjusting Valve Box	EACH	15.000	15.000
0404	SPV.0060	Special 03. 24-Inch Butterfly Valve and Valve Box	EACH	2.000	2.000
0406	SPV.0060	Special 04. 10-Inch Gate Valve and Valve Box	EACH	1.000	1.000
0408	SPV.0060	Special 05. 6-Inch Gate Valve and Valve Box	EACH	2.000	2.000
0410	SPV.0060	Special 06. Fire Hydrant Assembly	EACH	2.000	2.000
0412	SPV.0060	Special 07. Utility Line Opening (ULO)	EACH	4.000	4.000
0414	SPV.0060	Special 08. Remove Traffic Signals CTH TA & New Jersey Avenue	EACH	1.000	1.000
0416	SPV.0060	Special 09. Remove Traffic Signals CTH TA & Taylor Drive Frontage Road	EACH	1.000	1.000
0418	SPV.0060	Special 10. Emergency Vehicle Preemption System CTH TA & New Jersey Avenue	EACH	1.000	1.000
0420	SPV.0060	Special 11. Emergency Vehicle Preemption System CTH TA & Taylor Drive Frontage Road	EACH	1.000	1.000
0422	SPV.0060	Special 12. Maintain Traffic Signals CTH TA & Union Avenue	EACH	1.000	1.000
0424	SPV.0060	Special 13. Maintain Traffic Signals CTH TA & Indiana Avenue	EACH	1.000	1.000
0426	SPV.0060	Special 14. Maintain Traffic Signals CTH TA & Erie Avenue	EACH	1.000	1.000
0428	SPV.0060	Special 15. Maintain Traffic Signals CTH TA & Meijer Driveway	EACH	1.000	1.000
0430	SPV.0060	Special 16. Salvage and Reinstall Traffic Signal Controller and Cabinet	EACH	1.000	1.000
0432	SPV.0060	Special 17. Salvage and Reinstall Video Detection System CTH TA & New Jersey Avenue	EACH	1.000	1.000
0434	SPV.0060	Special 18. Salvage and Reinstall Video Detection System CTH TA & Taylor Drive Frontage	EACH	1.000	1.000
0436	SPV.0060	Special 19. Maintain Existing Traffic Signal Cabinet CTH TA & New Jersey Avenue	EACH	1.000	1.000
0438	SPV.0060	Special 20. Inlet Covers Type DW	EACH	5.000	5.000
0440	SPV.0090	Special 01. 24-Inch PVC Water Main	LF	409.000	409.000
0442	SPV.0090	Special 02. 24-Inch DI Water Main	LF	4.000	4.000
0444	SPV.0090	Special 03. 16-Inch DI Water Main	LF	4.000	4.000
0446	SPV.0090	Special 04. 10-Inch PVC Water Main	LF	14.000	14.000
0448	SPV.0090	Special 05. 6-Inch DI Water Main	LF	29.000	29.000

CLEARING AND GRUBBING ITEMS

CATEGORY	STATION - STATION	LOCATION	201.0110 CLEARING SY	201.0210 GRUBBING SY
0010	115+60 - 132+00	LT	20	20
	132+00 - 150+00	LT	6	6
	150+00 - 167+00		--	--
	167+00 - 182+00		--	--
	182+00 - 196+65	LT	31	31
	0010 TOTALS		57	57

REMOVING GUARDRAIL

CATEGORY	STATION - STATION	204.0165 STAGE 1 LF	204.0165 STAGE 2 LF
0010	115+60 - 132+00	--	--
	132+00 - 150+00	--	--
	150+00 - 167+00	438	154
	167+00 - 182+00	--	--
	182+00 - 196+65	76	--
	SUB-TOTAL	514	154
	TOTAL	668	

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 4291-03-70 EACH
0010	4291-03-70	1
	TOTAL	1

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION - STATION	204.0100 STAGE 1 SY	204.0100 STAGE 2 SY	204.0100 STAGE 3 SY
0010	115+60 - 132+00	5,700	5,300	---
	132+00 - 150+00	5,650	5,850	---
	150+00 - 167+00	3,900	4,250	---
	167+00 - 182+00	5,400	6,150	---
	182+00 - 196+65	5,800	6,300	900
	CATEGORY 0010 SUB-TOTALS	26,450	27,850	900
	CATEGORY 0010 TOTALS		55,200	
0020	196+65 - 198+85	1,000	750	---
	CATEGORY 0020 SUB-TOTALS	1,000	750	---
	CATEGORY 0020 TOTALS		1,750	
	ALL CATEGORY TOTALS		56,950	

REMOVING SURFACE DRAINS

CATEGORY	STATION - STATION	204.0190 STAGE 1 EACH	204.0190 STAGE 2 EACH
0010	115+60 - 132+00	--	--
	132+00 - 150+00	1	--
	150+00 - 167+00	--	--
	167+00 - 182+00	--	--
	182+00 - 196+65	--	3
	SUB - TOTALS	1	3
	TOTALS	4	

BASE AGGREGATE DENSE

CATEGORY	STAGE	STATION - STATION	305.0120* 1 1/4-INCH TON	305.0130* 3-INCH TON
0010	1	115+60 - 132+00	1,700	3,690
		132+00 - 150+00	1,700	3,760
		150+00 - 167+00	1,200	2,670
		167+00 - 182+00	1,650	3,590
		182+00 - 196+65	1,700	3,720
	2	115+60 - 132+00	1,600	3,470
		132+00 - 150+00	1,700	3,780
		150+00 - 167+00	1,300	2,810
		167+00 - 182+00	1,800	3,950
		182+00 - 196+65	1,900	4,140
	3	115+60 - 132+00	--	---
		132+00 - 150+00	--	---
		150+00 - 167+00	--	---
		167+00 - 182+00	--	---
		182+00 - 196+65	280	600
		CATEGORY 0010 TOTALS	16,530	36,180
0020	1	196+65 - 198+85	10	---
	2	196+65 - 198+85	25	---
		CATEGORY 0020 TOTALS	35	---
		ALL CATEGORY TOTALS	16,565	36,180

*ADDITIONAL QUANTITES LISTED ELSEWHERE

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION - STATION	204.0155 STAGE 1 SY	204.0155 STAGE 2 SY	204.0155 STAGE 3 SY
0010	115+60 - 132+00	---	---	---
	132+00 - 150+00	---	---	---
	150+00 - 167+00	---	---	---
	167+00 - 182+00	---	50	---
	182+00 - 196+65	70	75	60
	CATEGORY 0010 SUB-TOTALS	70	125	60
	CATEGORY 0010 TOTALS		255	
0020	196+65 - 198+85	60	35	---
	CATEGORY 0020 SUB-TOTALS	60	35	---
	CATEGORY 0020 TOTALS		95	
	ALL CATEGORY TOTALS		350	

PREPARE FOUNDATION FOR CONCRETE PAVEMENT

CATEGORY	PROJECT	211.0201 4291-03-70 EACH
0020	4291-03-70	1
	TOTAL	1

EARTHWORK SUMMARY

CATEGORY	LOCATION	STA	TO	STA	(C) CUT CY	(E) EXCAVATION BELOW SUBGRADE CY	(2) 205.0100* EXCAVATION COMMON CY	(S) SALVAGED/ UNUSABLE PAVEMENT MATERIAL CY	(4) AVAILABLE MATERIAL CY	(5) 0% REDUCED EBS IN FILL CY	UNEXPANDED FILL CY	(6) 100.0% UNDISTRIBUTED 305.0130 BASE AGGREGATE DENSE 3-INCH TON*	(7) ** 130.00% EXPANDED FILL CY	(8) MASS ORDINATE EXCESS (SHORTAGE) CY
0010	S TAYLOR DRIVE	115+60	-	132+00	7,551	1,888	9,439	2,756	4,795	--	32	4,153	42	4,753
		132+00	-	150+00	7,501	1,875	9,376	2,786	4,715	--	7	4,126	9	4,706
		150+00	-	167+00	6,487	1,622	8,109	2,036	4,451	--	19	3,568	25	4,427
		167+00	-	182+00	7,060	1,765	8,825	2,756	4,304	--	30	3,883	39	4,265
		182+00	-	196+65	7,201	1,800	9,001	3,194	4,007	--	12	3,961	16	3,992
	UNIVERSITY DRIVE	WEST LEG			297	74	371	90	207	--	--	163	--	207
	NEW JERSEY AVENUE	EAST AND WEST LEGS			516	129	645	130	386		--	284	--	386
	TAYLOR FRONTAGE ROAD	NORTH AND SOUTH LEGS			780	195	975	62	718	--	--	429	--	718
	TOTALS				37,393		46,741	13,808	23,585	--	100	20,566	130	23,455

NOTES

1) EXCAVATION BELOW SUBGRADE (E) = 25% OF CUT (C) ON CTH TA AND SIDEROADS
2) EXCAVATION COMMON IS THE SUM OF THE CUT (C) AND EXCAVATION BELOW SUBGRADE.
3) EBS EXCAVATION (E) TO BE BACKFILLED WITH BASE AGGREGATE DENSE 3-INCH.
4) AVAILABLE MATERIAL = CUT (C) - (S).
5) SOILS REMOVED AS EBS MUST BE WASTED OFFSITE AND NOT REUSED AS FILL.
6) UNDISTRIBUTED QUANTITY OF BASE AGGREGATE DENSE 3-INCH USED TO FILL EBS.
7) EXPANDED FILL = {UNEXPANDED FILL * 130% FILL FACTOR}.
8) MASS ORDINATE =AVAILABLE MATERIAL (4) - EXPANDED FILL (8) = BORROW AND SELECT BORROW OR WASTE

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** FILL EXPANSION FACTOR = 1.30

CONCRETE PAVEMENT

CATEGORY	STATION - STATION			415.0080 8-INCH STAGE 1 SY	415.0080 8-INCH STAGE 2 SY	415.1080 HES 8-INCH STAGE 1 SY	415.1080 HES 8-INCH STAGE 2 SY	415.4100 JOINT FILLING STAGE 1 SY	415.4100 JOINT FILLING STAGE 2 SY
0020	196+65	-	198+85	803	606	100	100	1,042	760
	TOTALS			1,409		200		1,802	

CONCRETE PAVEMENT APPROACH SLAB

CATEGORY	STATION - STATION			415.0410 STAGE 1 SY	415.0410 STAGE 2 SY
0010	115+60	-	132+00	--	--
	132+00	-	150+00	--	--
	150+00	-	167+00	145	143
	167+00	-	182+00	--	--
	182+00	-	196+65	--	--
	SUB-TOTALS			145	143
	TOTALS			288	

PAVEMENT BARS

CATEGORY	STAGE	STATION - STATION			LOCATION	416.0610* DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0020	1	196+65	-	198+85	LT/RT	23	60
	2	196+65	-	198+85	LT/RT	47	50
		TOTALS				70	110

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE SURFACE DRAINS

CATEGORY	STATION	LOCATION	602.3010 STAGE 1 CY	602.3010 STAGE 2 CY
0010	183+05	RT	--	1
	183+92	RT	--	3
	184+15	RT	--	1
			--	--
	SUB-TOTALS		--	5
	TOTAL		5	

TACK COAT

CATEGORY	STATION - STATION	455.0605 STAGE 1 GAL	STAGE 2 GAL	STAGE 3 GAL
0010	115+60 - 132+00	308	282	--
	132+00 - 150+00	320	324	--
	150+00 - 167+00	210	226	--
	167+00 - 182+00	311	347	--
	182+00 - 196+65	326	359	57
	SUB-TOTALS	1,475	1,538	57
	TOTAL		3,070	

ASPHALTIC SURFACE TEMPORARY

CATEGORY	STATION	465.0125* PRE STAGE TON
0010	115+60 - 132+00	--
	132+00 - 150+00	--
	150+00 - 167+00	--
	167+00 - 182+00	--
	182+00 - 196+65	13
	196+65 - 198+85	17
	TOTAL	30

* ADDITIONAL QUANTITIES LISTED ELSWHERE

HMA PAVEMENT

CATEGORY	STATION - STATION	460.6223* 3 MT 58-28 S STAGE 1 TON	STAGE 2 TON	STAGE 3 TON	460.6424* 4 MT 58-28 H STAGE 1 TON	STAGE 2 TON	STAGE 3
0010	115+60 - 132+00	910	830	---	650	590	---
	132+00 - 150+00	940	960	---	670	680	---
	150+00 - 167+00	620	670	---	440	480	---
	167+00 - 182+00	920	1,050	---	660	730	---
	182+00 - 196+65	960	1,050	170	690	760	120
	SUB-TOTALS	4,350	4,560	170	3,111	3,240	120
	TOTALS		9,080			6,470	

*ADDITIONAL QUANTITES LISTED ELSEWHERE

CONCRETE CURB & GUTTER ITEMS

CATEGORY	STAGE	STATION - STATION	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 18-INCH TYPE D LF	601.0409* 30-INCH TYPE A LF	601.0411* 30-INCH TYPE D LF	601.0588 4-INCH SLOPED 36-INCH TYPE TBT LF	601.0600 CONCRETE CURB PEDESTRIAN LF
0010	1	115+60 - 132+00	--	--	--	3,275	--	--
		132+00 - 150+00	--	--	--	3,101	--	--
		150+00 - 167+00	--	--	--	2,257	122	--
		167+00 - 182+00	--	--	--	2,879	--	16
		182+00 - 196+65	--	--	--	2,881	--	--
		STAGE 1 SUB-TOTALS	--	--	--	14,393	122	16
	2	115+60 - 132+00	--	--	--	3,288	--	--
		132+00 - 150+00	--	--	--	3,088	--	--
		150+00 - 167+00	--	--	--	2,331	63	--
		167+00 - 182+00	--	--	--	2,955	--	--
		182+00 - 196+65	--	--	--	3,192	--	--
		STAGE 2 SUB-TOTALS	--	--	--	14,854	63	--
	3	115+60 - 132+00	--	--	--	--	--	--
		132+00 - 150+00	--	--	--	--	--	--
		150+00 - 167+00	--	--	--	--	--	--
		167+00 - 182+00	--	--	--	--	--	--
		182+00 - 196+65	--	83	--	274	--	--
		STAGE 3 SUB-TOTALS	--	83	--	274	--	--
		CATEGORY 0010 TOTALS	--	83	--	29,521	185	16
0020	1	196+65 - 198+85	--	--	627	--	--	13
		STAGE 1 SUB-TOTALS	--	--	627	--	--	13
	2	196+65 - 198+85	193	--	152	--	--	15
		STAGE 2 SUB-TOTALS	193	--	152	--	--	15
		CATEGORY 0020 TOTALS	193	--	779	--	--	28
		ALL CATEGORY TOTALS	193	83	779	29,521	185	44

*ADDITIONAL QUANTITES LISTED ELSEWHERE

CONCRETE SIDEWALK ITEMS

CATEGORY	STAGE	STATION - STATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
0010	1	115+60 - 132+00	--	--	--	--
		132+00 - 150+00	--	--	--	--
		150+00 - 167+00	169	--	--	--
		167+00 - 182+00	154	20	--	1
		182+00 - 196+65	952	--	--	--
		STAGE 1 SUB-TOTALS	1,275	20	--	1
	2	115+60 - 132+00	--	--	--	--
		132+00 - 150+00	--	--	--	--
		150+00 - 167+00	220	--	--	--
		167+00 - 182+00	930	100	--	4
		182+00 - 196+65	754	--	--	--
		STAGE 2 SUB-TOTALS	1,904	100	--	4
	3	115+60 - 132+00	--	--	--	--
		132+00 - 150+00	--	--	--	--
		150+00 - 167+00	--	--	--	--
		167+00 - 182+00	--	--	--	--
		182+00 - 196+65	388	--	36	2
		STAGE 3 SUB-TOTALS	388	--	36	2
		CATEGORY 0010 TOTALS	3,567	120	36	7
0020	1	196+65 - 198+85	846	36	--	3
		STAGE 1 SUB-TOTALS	846	36	--	3
	2	196+65 - 198+85	365	12	--	1
		STAGE 2 SUB-TOTALS	365	12	--	1
		CATEGORY 0020 TOTALS	1,211	48	--	4
		ALL CATEGORY TOTALS	4,778	168	36	11

RIPRAP MEDIUM

CATEGORY	STATION - STATION	LOCATION	606.0200 CY
0010	115+60 - 132+00	LT	4
	132+00 - 150+00	LT	14
	150+00 - 167+00	LT	--
	167+00 - 182+00	LT	--
	182+00 - 196+65	LT	11
	TOTAL		29

PIPE UNDERDRAIN

CATEGORY	STATION	LOCATION	310.0115 BASE AGGREGATE OPEN-GRADED CY	612.0106 PIPE UNDERDRAIN 6-INCH LF	REMARKS
0010	138+47	RT	8	200	LOW POINT
	138+71	LT	8	200	LOW POINT
	182+53	RT	8	200	LOW POINT
	182+58	LT	8	200	LOW POINT
	UNDISTRIBUTED	LT/RT	15	400	FOR EBS AREAS
	TOTALS		47	1,200	

GUARDRAIL ITEMS

CATEGORY	STATION - STATION	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
0010	115+60 - 132+00	--	--	--
	132+00 - 150+00	--	--	--
	150+00 - 167+00	300	197	5
	167+00 - 182+00	--	--	--
	182+00 - 196+65	--	--	--
	TOTALS	300	197	5

ADJUSTING MANHOLE COVERS

CATEGORY	STATION	LOCATION	611.8110* EA
0020	197+86	9.5' LT	1
	198+08	9.5' RT	1
	198+52	137.2' LT	1
	TOTAL		3

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TEMPORARY CROSSOVERS SUMMARY

CATEGORY	STAGE	STATION - STATION	204.0150 REMOVING CURB & GUTTER LF	205.0100* EXCAVATION COMMON CY	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0610* DRILLED TIE BARS EACH	460.6223* HMA PAVEMENT 3 MT 58-28 s TON	460.6424* HMA PAVEMENT 4 MT 58-28 H TON	465.0125* ASPHALTIC SURFACE TEMPORARY TON	601.0409* CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411* CONCRETE CURB & GUTTER 30-INCH TYPE D LF	611.8110* ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
0010	PRE STAGE	108+00 - 111+50	234	206	522	--	--	--	113	--	--	--	--
		205+50 - 209+00	500	132	192	--	--	--	73	--	--	--	--
		PRE STAGE SUB-TOTALS	734	338	714	--	--	--	186	--	--	--	--
	3	108+00 - 111+50	--	300	79	--	11	8	--	--	235	1	1
		205+50 - 209+00	--	132	111	168	--	--	--	500	--	--	--
		STAGE 3 SUB-TOTALS	--	432	190	168	11	8	--	500	235	1	1
		TOTALS	734	770	903	168	11	8	186	500	235	1	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY CROSSOVERS SUMMARY (CONT'D)

611.8120.S COVER PLATES TEMPORARY EACH	611.9705 SALVAGED MANHOLE COVERS EACH	611.9710 SALVAGED INLET COVERS EACH	625.0100* TOPSOIL SY	628.2008* EROSION MAT URBAN CASS I TYPE B SY	629.0210* FERTILIZER TYPE B CWT	630.0140* SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	638.2102* MOVING SIGNS TYPE II EACH	690.0150* SAWING ASPHALT LF	690.0250* SAWING CONCRETE LF
2	1	1	--	--	--	--	--	--	0	253	--
--	--	--	--	--	--	--	--	--	1	--	513
2	1	1	--	--	--	--	--	--	1	253	513
--	--	--	551	551	0.3	10	15	12	0	253	--
--	--	--	361	361	0.2	6	10	8	0	513	--
--	--	--	912	912	0.6	15	26	20	--	766	--
2	1	1	912	912	0.6	15	26	20	1	1,019	513

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	4291-03-70	1
	TOTAL	1

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION - STATION			620.0300 STAGE 1 SF	STAGE 2 SF	STAGE 3 SF
0010	115+60	-	132+00	---	---	---
	132+00	-	150+00	124	---	---
	150+00	-	167+00	---	---	---
	167+00	-	182+00	61	82	---
	182+00	-	196+65	70	290	50
	CATEGORY 0010 SUB-TOTALS			255	372	50
	CATEGORY 0010 TOTAL				677	
0020	196+65	-	198+85	70	106	---
	CATEGORY 0020 TOTAL				176	
	ALL CATEGORY TOTAL				853	

DUST CONTROL SURFACE TREATMENT

CATEGORY	STATION - STATION			623.0200 SY
0010	115+60	-	132+00	11,700
	132+00	-	150+00	12,400
	150+00	-	167+00	8,950
	167+00	-	182+00	12,300
	182+00	-	196+65	13,800
	TOTAL			59,150

WATER

CATEGORY	STATION - STATION			LOCATION	624.0100 MGAL
0010	115+60	-	132+00	LT/RT	156
	132+00	-	150+00	LT/RT	165
	150+00	-	167+00	LT/RT	120
	167+00	-	182+00	LT/RT	165
	182+00	-	196+65	LT/RT	185
	TOTAL				790

TOPSOIL

CATEGORY	STATION - STATION			LOCATION	625.0100* TOPSOIL SY
0010	115+60	-	132+00	LT/RT	3,250
	132+00	-	150+00	LT/RT	3,450
	150+00	-	167+00	LT/RT	3,700
	167+00	-	182+00	LT/RT	3,100
	182+00	-	196+65	LT/RT	3,050
	UNDISTRIBUTED				1,100
	CATEGORY 0010 TOTAL				17,650
0020	196+65	-	198+85	LT/RT	180
	UNDISTRIBUTED				55
	CATEGORY 0020 TOTAL				235
	ALL CATEGORY TOTAL				17,885

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MOBILIZATIONS EROSION CONTROL

CATEGORY	STATION - STATION	628.1905 EACH
0010	115+60 - 196+65	5
0020	196+65 - 198+85	1
	ALL CATEGORY TOTAL	6

MOBILIZATIONS EMERGENCY EROSION CONTROL

CATEGORY	STATION - STATION	628.1910 EACH
0010	115+60 - 196+65	3
0020	196+65 - 198+85	1
	ALL CATEGORY TOTAL	4

SILT FENCE ITEMS

CATEGORY	STATION - STATION			LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	115+60	-	132+00	LT	371	371
	132+00	-	150+00	LT/RT	2,346	2,346
	150+00	-	167+00	LT/RT	726	726
	167+00	-	182+00	LT/RT	372	372
	182+00	-	196+65	LT/RT	1,255	1,255
	CATEGORY 0010 TOTALS				5,070	5070
0020	196+65	-	198+85	LT	316	316
	ALL CATEGORY TOTALS				5,386	5,386

EROSION MAT URBAN CLASS I TYPE B

CATEGORY	STATION - STATION			LOCATION	628.2008* SY
0010	115+60	-	132+00	LT/RT	3,250
	132+00	-	150+00	LT/RT	3,450
	150+00	-	167+00	LT/RT	3,700
	167+00	-	182+00	LT/RT	3,100
	182+00	-	196+65	LT/RT	3,050
	UNDISTRIBUTED				1,100
	CATEGORY 0010 TOTALS				17,650
0020	196+65	-	198+85	LT	180
	UNDISTRIBUTED				55
	CATEGORY 0020 TOTALS				235
	ALL CATEGORY TOTALS				17,885

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

INLET PROTECTION

CATEGORY	STATION - STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
0010	115+60 - 132+00		20	--	39	--
	132+00 - 150+00		21	--	35	12
	150+00 - 167+00		16	--	36	--
	167+00 - 182+00		16	--	32	--
	182+00 - 196+65		22	1	31	12
	CATEGORY 0010 TOTALS		95	1	173	24
0020	196+65 - 198+85		1	--	2	--
	ALL CATEGORY TOTALS		96	1	175	24

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	629.0210* FERTILIZER TYPE B CWT	630.0140* SEEDING MIXTURE NO. 40 LB	630.0200* SEEDING TEMPORARY LB	630.0500* SEED WATER MGAL
0010	115+60 - 132+00	LT/RT	2.1	58.7	88.1	73
	132+00 - 150+00	LT/RT	2.2	61.8	92.7	77
	150+00 - 167+00	LT/RT	2.3	66.2	99.2	83
	167+00 - 182+00	LT/RT	1.9	54.9	82.3	68
	182+00 - 196+65	LT/RT	1.9	54.9	82.3	68
	UNDISTRIBUTED		1.0	29.6	44.5	37
	WASTE SITE		2.1	60.0	90.0	75
	CATEGORY 0010 TOTALS		13.5	386.1	579.1	481
0020	196+65 - 198+85	LT/RT	0.1	3	5	4
	ALL CATEGORY TOTALS		13.6	389.2	583.9	485.0

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION	628.7555 EACH	REMARKS
0010	131+20	LT	4	4 ROCK BAGS REQ'D
	141+20	LT	4	4 ROCK BAGS REQ'D
	144+20	LT	2	2 ROCK BAGS REQ'D
	182+80	LT	4	4 ROCK BAGS REQ'D
	TOTAL		14	

FIELD OFFICE TYPE B

CATEGORY	PROJECT	642.5001 4291-03-70 EACH
0010	4291-03-70	1

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 4291-03-70 EACH
0010	4291-03-70	1

TRACKING PADS

CATEGORY	STATION - STATION	628.7560 STAGE 1 EACH	STAGE 2 EACH	STAGE 3 EACH
0010	115+60	1	1	0
	198+85	1	1	0
	WASTE SITE	1	1	1
	SUB-TOTALS	3	3	1
	TOTAL		7	

ROCK BAGS

CATEGORY	STATION	LOCATION	628.7570 EACH	REMARKS
0010	131+20	LT	30	CULVERT OUTFALL WITH SILT FENCE
	133+00	LT	30	SILT FENCE RELIEF
	137+00	LT	30	SILT FENCE RELIEF
	141+20	LT	30	CULVERT OUTFALL WITH SILT FENCE
	144+20	LT	30	CULVERT OUTFALL WITH SILT FENCE
	164+25	LT	30	SILT FENCE RELIEF
	182+90	LT	30	CULVERT OUTFALL WITH SILT FENCE
	191+90	LT	30	SILT FENCE RELIEF
	196+50	LT	30	SILT FENCE RELIEF
	UNDISTRIBUTED		50	
	TOTAL		320	

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE W [IN.] X H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	638.2102* MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	REMARKS
0010	E1-1	116+51.00	44.00' RT	R2-1	SPEED LIMIT 35	24 X 30				1	1		
	1-1	116+57.00	47.00' RT	R2-1	SPEED LIMIT 35	24 X 30	5.00					1	
	E2-1	123+39.00	45.00' LT	W3-3	SIGNAL AHEAD	36 X 36				1	1		
	2-1	123+44.00	44.00' LT	W3-3	SIGNAL AHEAD	36 X 36	9.00					1	
	E2-2	123+41.00	7.00' LT	W3-3	SIGNAL AHEAD	36 X 36				1	1		
	2-2	123+46.00	7.00' LT	W3-3	SIGNAL AHEAD	36 X 36	9.00					1	
	E3-1	129+96.00	47.00' LT	R2-1	SPEED LIMIT 35	24 X 30				1	1		
	3-1	129+96.00	46.00' LT	R2-1	SPEED LIMIT 35	24 X 30	5.00					1	
	E5-1	138+82.00	8.00' LT	R4-7	KEEP RIGHT	24 X 30				1	1		
	5-1	138+78.00	7.00' LT	R4-7	KEEP RIGHT	24 X 30	5.00					1	
	E5-2	138+96.00	64.00' LT	D3-1	UNIVERSITY DR	X			1				MOVE TO STATION AND LOCATION OF 5-2
	5-2	138+96.00	70.00' LT	R1-1	STOP	30 X 30	5.18					1	
	E5-3	138+96.00	64.00' LT	R1-1	STOP	30 X 30				1	1		
	5-3	139+16.00	44.00' RT	R6-2L	ONE WAY LEFT	24 X 30	5.00					1	
	E5-4	139+12.00	42.00' RT	R6-2L	ONE WAY LEFT	24 X 30				1	1		
	5-4	139+65.00	7.00' LT	R4-7	KEEP RIGHT	24 X 30	5.00					1	
	E5-5	139+60.00	10.00' LT	R4-7	KEEP RIGHT	24 X 30				1	1		
	E5-6	140+45.00	5.00' RT	W3-3	SIGNAL AHEAD	36 X 36				1	1		
	5-5	140+41.00	7.00' RT	W3-3	SIGNAL AHEAD	36 X 36	9.00					1	
	E5-7	142+03.00	5.00' RT		TAYLOR DR ARROWS	X			1				MOVE TO STA 141+98.00, 6.00' RT
	E6-1	146+13.00	47.00' LT	R2-1	SPEED LIMIT 35	24 X 30				1	1		
	6-1	146+17.00	44.00' LT	R2-1	SPEED LIMIT 35	24 X 30	5.00					1	
	E6-2	146+70.00	43.00' RT	W11-15	TRAIL CROSSING (BIKE AND PED SYMBOL)	30 X 30				1	1		
	6-2	146+66.00	44.00' RT	W11-15	TRAIL CROSSING (BIKE AND PED SYMBOL)	30 X 30	6.25					1	
	E7-1	154+71.00	43.00' RT	R2-1	SPEED LIMIT 35	24 X 30				1	1		
	7-1	154+67.00	45.00' RT	R2-1	SPEED LIMIT 35	24 X 30	5.00					1	
	E7-2	154+55.00	0.50' RT		TAYLOR DR ARROWS	X			1				MOVE TO STA 154+58.00, 4.00' RT
	E8-1	159+03.00	47.00' LT	W3-3	SIGNAL AHEAD	36 X 36				1	1		
	8-1	159+08.00	45.00' LT	W3-3	SIGNAL AHEAD	36 X 36	9.00					1	
	E8-2	159+06.00	6.00' LT	W3-3	SIGNAL AHEAD	36 X 36				1	1		
	8-2	159+08.00	7.00' LT	W3-3	SIGNAL AHEAD	36 X 36	9.00					1	
	E9-1	164+36.00	6.00' RT		BASEBALL SOFTBALL AND HOCKEY FACILITIES	X			1				MOVE TO STA 164+31.00, 6.00' RT
	E9-2	164+34.00	44.00' RT		BASEBALL SOFTBALL AND HOCKEY FACILITIES	X			1				MOVE TO STA 164+30.00, 44.00' RT
	E10-1	167+74.00	44.00' LT	R2-1	SPEED LIMIT 35	24 X 30				1	1		
	10-1	167+65.00	44.00' LT	R2-1	SPEED LIMIT 35	24 X 30	5.00					1	
	E10-2	168+06.00	4.00' LT		NEW JERSEY AVENUE RIGHT ARROW	X			1				MOVE TO STATION AND LOCATION OF 10-6
	10-2	168+39.00	61.00' LT	R1-1F	STOP (FOLDING)	30 X 30		5.18					MOUNT ON PROPOSED SIGNAL POLE
	10-3	168+90.00	57.00' LT	M1-94H	OVERHEAD S TAYLOR DR SIGN	84 X 18	10.50						MOUNT ON PROPOSED SIGNAL ARM
	10-4	169+39.00	45.00' LT	R1-1F	STOP (FOLDING)	30 X 30		5.18					MOUNT ON PROPOSED SIGNAL POLE
	10-5	168+15.00	21.00' LT	M1-94H	OVERHEAD NEW JERSEY AVE SIGN	102 X 18	12.75						MOUNT ON PROPOSED SIGNAL ARM
	10-6	168+09.00	4.00' LT	R4-7	KEEP RIGHT	24 X 30	5.00					1	
	E10-7	169+44.00	6.00' RT		NEW JERSEY AVENUE RIGHT ARROW	X			1				MOVE TO STATION AND LOCATION OF 10-7
	10-7	169+40.00	6.00' RT	R4-7	KEEP RIGHT	24 X 30	5.00					1	
	10-8	169+30.00	29.00' RT	M1-94H	OVERHEAD NEW JERSEY AVE SIGN	102 X 18	12.75						MOUNT ON PROPOSED SIGNAL ARM
	10-9	168+56.00	83.00' RT	M1-94H	OVERHEAD S TAYLOR DR SIGN	84 X 18	10.50						MOUNT ON PROPOSED SIGNAL ARM
	10-10	168+10.00	56.00' RT	R1-1	STOP (FOLDING)	30 X 30		5.18					MOUNT ON PROPOSED SIGNAL POLE
	E10-11	168+37.00	68.00' RT	R5-3	NO MOTOR VEHICLES	24 X 24				1	1		
	10-11	168+33.00	67.00' RT	R5-3	NO MOTOR VEHICLES	24 X 24	4.00					1	
	E10-12	168+04.00	89.00' RT	R5-3	NO MOTOR VEHICLES	24 X 24				1	1		
	10-12	169+16.00	87.00' RT	R5-3	NO MOTOR VEHICLES	24 X 24	4.00					1	
	10-13	169+08.00	91.00' RT	R1-1F	STOP (FOLDING)	30 X 30		5.18					MOUNT ON PROPOSED SIGNAL POLE
	E10-14	171+95.00	48.00' RT	R2-1	SPEED LIMIT 35	X				1	1		
	10-14	171+99.00	46.00' RT	R2-1	SPEED LIMIT 35	24 X 30	5.00						
	10-15	168+39.00	61.00' LT	R10-11B	NO TURN ON RED	24 X 24	4.00						MOUNT ON PROPOSED SIGNAL POLE
	E10-15	173+23.00	47.00' RT		BASEBALL SOFTBALL AND HOCKEY FACILITIES	X			1				MOVE TO STA 173+28.00, 46.00' LT
	E11-1	175+18.00	44.00' RT	W3-3	SIGNAL AHEAD	36 X 36				1	1		
	11-1	175+22.00	45.00' RT	W3-3	SIGNAL AHEAD	36 X 36	9.00					1	
	E11-2	175+14.00	6.00' LT	W3-3	SIGNAL AHEAD	36 X 36				1	1		
	11-2	175+21.00	5.00' LT	W3-3	SIGNAL AHEAD	36 X 36	9.00					1	
	E11-3	178+26.00	3.00' RT	W3-3	SIGNAL AHEAD	36 X 36				1	1		
	11-3	178+16.00	4.00' RT	W3-3	SIGNAL AHEAD	36 X 36	9.00					1	
	E11-4	178+22.00	46.00' RT	W3-3	SIGNAL AHEAD	36 X 36				1	1		
	11-4	178+16.00	46.00' RT	W3-3	SIGNAL AHEAD	36 X 36	9.00					1	
	E11-5	173+96.00	9.00' RT		TAYLOR DR ARROWS	X			1				MOVE TO STA 174+01.00, 6.00' LT

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE W [IN.] X H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	638.2102* MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	REMARKS
0010	12-1	184+13.00	43.00' LT	R1-1F	STOP (FOLDING)	30 X 30		5.18					MOUNT ON PROPOSED SIGNAL POLE
	12-2	184+01.00	7.00' RT	R4-7	KEEP RIGHT	24 X 30	5.00					1	
	12-3	183+24.00	7.00' RT	R4-7	KEEP RIGHT	24 X 30	5.00					1	
	E12-4	183+11.00	43.00' RT	W12-1D	DOUBLE DOWN ARROWS	24 X 24				1	1		
	12-4	183+11.00	43.00' RT	W12-1D	DOUBLE DOWN ARROWS	24 X 24	4.00					1	
	12-5	183+23.00	47.00' RT	R1-1F	STOP (FOLDING)	30 X 30		5.18					MOUNT ON PROPOSED SIGNAL POLE
	E12-6	183+27.00	55.00' RT	R1-2	YIELD	36 X 31				1	1		
	12-6	183+27.00	55.00' RT	R1-2	YIELD	36 X 31	3.88					1	
	E12-7	183+14.00	87.00' RT	R1-2	YIELD	36 X 31				1	1		
	12-7	183+14.00	87.00' RT	R1-2	YIELD	36 X 31	3.88					1	
	E12-8	183+59.00	63.00' RT	R4-7	KEEP RIGHT	24 X 30				1	1		
	12-8	183+59.00	63.00' RT	R4-7	KEEP RIGHT	24 X 30	5.00					1	
	E12-9	1+35.00 FR	34.00' RT	W11-15	TRAIL CROSSING (BIKE AND PED SYMBOL)	30 X 30				1	1		
	12-9	1+35.00 FR	34.00' RT	W11-15	TRAIL CROSSING (BIKE AND PED SYMBOL)	30 X 30	6.25					1	
	E12-10	1+35.00 FR	34.00' RT	W16-9P	AHEAD PLAQUE (YELLOW)	24 X 8				1	1		
	12-10	1+35.00 FR	34.00' RT	W16-9P	AHEAD PLAQUE (YELLOW)	24 X 8	1.33					1	
	E12-11	1+91.00 FR	36.00' RT	W11-15	TRAIL CROSSING (BIKE AND PED SYMBOL)	30 X 30				1	1		
	12-11	1+91.00 FR	36.00' RT	W11-15	TRAIL CROSSING (BIKE AND PED SYMBOL)	30 X 30	6.25					1	
	E12-12	1+91.00 RT	36.00' RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 X 12				1	1		
	12-12	1+91.00 RT	36.00' RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 X 12	2.00					1	
	E12-13	2+40.00	38.00' RT	R1-1	STOP	30 X 30				1	1		
	12-13	2+39.00	42.00' RT	R1-1	STOP	30 X 30	5.18					1	
	E12-14	2+03.00	55.00' LT	R1-1	STOP	30 X 30				1	1		
	12-14	2+03.00	55.00' LT	R1-1	STOP	30 X 30	5.18					1	
	E12-15	1+83.00	3.00' LT	R4-7	KEEP RIGHT	24 X 30				1	1		
	12-15	1-83.00	3.00' LT	R4-7	KEEP RIGHT	24 X 30	5.00					1	
	12-16	184+01.00	46.00' RT	R1-1F	STOP (FOLDING)	30 X 30		5.18				1	
	E12-17	184+33.00	62.00' RT	R1-1	STOP	30 X 30				1	1		
	12-17	184+33.00	62.00' RT	R1-1	STOP	30 X 30	5.18					1	
	12-18	183+23	15.00' LT	M1-94H	OVERHEAD TAYLOR FRONTAGE ROAD SIGN	108 X 18	13.50						MOUNT ON PROPOSED SIGNAL ARM
	12-19	183+94	36.00 RT	M1-94H	OVERHEAD TAYLOR FRONTAGE ROAD SIGN	108 X 18	13.50						MOUNT ON PROPOSED SIGNAL ARM
	E13-1	189+99.00	2.00' RT		MALL ENTRANCE NEXT LEFT	X				1	1		
	E14-1	192+76.00	46.00' LT	R2-1	SPEED LIMIT 35	24 X 30				1	1		
	14-1	192+84.00	45.00' LT	R2-1	SPEED LIMIT 35	24 X 30	5.00					1	
	E14-2	193+97.00	61.00' LT	R1-1	STOP	30 X 30				1	1		
	14-2	193+94.00	59.00' LT	R1-1	STOP	30 X 30	6.25					1	
	E14-3	192+98.00	8.00' RT		TAYLOR DR ARROWS	X			1				MOVE TO STA 193+03.00, 6.00' RT
	E14-4	193+59.00	48.00' RT		OLD PLANK ROAD TRAIL	X			1				MOVE TO STA 193+53.00, 47.00' RT
	E14-5	193+59.00	48.00' RT		VEHICLE REGISTRATION DRIVER LICENSING	X			1				MOVE TO STA 193+53.00, 47.00' RT
	E14-6	194+45.00	45.00' RT		BIKE ROUTE	X			1				MOVE TO STA 194+48.00, 45.00' RT
	E14-7	194+45.00	45.00' RT		RIGHT ARROW	X			1				MOVE TO STA 194+48.00, 45.00' RT
	E14-8	194+51.00	43.00' RT		BIKE ROUTE	X			1				MOVE TO STA 194+58.00, 43.00' RT
	E14-9	194-51.00	43.00' RT		LEFT ARROW	X			1				MOVE TO STA 194+58.00, 43.00' RT
					CATEGORY 0010 TOTALS		307.31	36.26	16	37	37	40	
0020	15-1	197+90.00	79.00' LT	R1-1	STOP	30 X 30	5.18					1	
	E15-1	197+85.00	70.00' LT	R1-1	STOP	X				1	1		
	E15-2	197+92.00	10.00' RT	R1-1F	STOP (FOLDING)	X			1				MOVE TO STA. 197+92.00, 10.00 RT
					CATEGORY 0020 TOTALS		5.18	0.00	1	1	1	1	
					ALL CATEGORY TOTALS		312.49	36.26	17	38	38	41	

3

TRAFFIC CONTROL AND DETOUR ITEMS

CATEGORY	STAGE	STATION		STATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY
0010	PRE STAGE	BEGIN	-	132+00	--	--	686	--	49	--	--	98	154	14	140	--	14
		132+00	-	150+00	--	--	--	--	--	--	--	--	--	--	--	--	--
		150+00	-	167+00	--	--	371	--	14	--	--	28	126	14	56	--	--
		167+00	-	182+00	--	--	--	--	--	--	--	--	--	--	14	--	--
		182+00	-	END	--	--	973	14	77	--	--	154	140	14	238	--	14
		UNDISTRIBUTED			--	--	100	--	10	--	--	10	20	--	--	10	--
		PRE STAGE SUB-TOTALS			--	--	2,130	14	150	--	--	290	440	42	448	10	28
	1	BEGIN	-	132+00	--	--	8,277	--	890	77	77	1,780	1,780	89	1,602	--	7
		132+00	-	150+00	--	--	3,649	--	1,068	61	61	2,136	--	--	890	--	--
		150+00	-	167+00	338	338	3,115	--	267	67	67	534	--	--	356	--	--
		167+00	-	182+00	--	--	2,581	--	534	54	54	1,068	--	--	801	--	--
		182+00	-	END	--	--	10,858	178	3,204	81	81	6,408	1,958	89	4,361	--	7
		UNDISTRIBUTED			--	--	500	--	100	50	50	100	50	--	--	10	--
		STAGE 1 SUB-TOTALS			338	338	28,980	178	6,063	390	390	12,026	3,788	178	8,010	10	14
	2	BEGIN	-	132+00	--	--	7,565	178	1,068	75	75	2,136	1,869	89	1,780	--	7
		132+00	-	150+00	--	--	3,026	--	801	57	57	1,602	--	--	979	--	--
		150+00	-	167+00	100	100	2,848	--	534	64	64	1,068	267	--	534	--	--
		167+00	-	182+00	--	--	4,183	178	1,068	51	51	2,136	--	--	1,246	--	--
		182+00	-	END	--	--	12,994	178	3,115	101	101	6,230	2,403	89	3,827	--	7
		UNDISTRIBUTED			--	--	500	--	100	50	50	100	100	--	--	10	--
		STAGE 2 SUB-TOTALS			100	100	31,116	534	6,686	398	398	13,272	4,639	178	8,366	10	14
	3	BEGIN	-	132+00	--	--	1,854	--	108	--	--	216	468	36	342	--	7
		132+00	-	150+00	--	--	--	--	--	--	--	--	--	--	--	--	--
		150+00	-	167+00	--	--	738	--	18	--	--	36	162	18	36	--	--
		167+00	-	182+00	--	--	90	--	18	--	--	36	--	--	54	--	--
		182+00	-	END	--	--	3,186	36	648	--	--	1,296	468	36	738	--	7
		UNDISTRIBUTED			--	--	200	--	50	--	--	20	20	--	--	10	--
		STAGE 3 SUB-TOTALS			--	--	6,068	36	842	--	--	1,604	1,118	90	1,170	10	14
		DETOUR ROUTE			--	--	--	--	--	--	--	--	--	--	24,360	10	--
		TOTALS			438	438	68,294	762	13,741	788	788	27,192	9,985	488	42,354	50	70

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TEMPORARY PEDESTRIAN ACCOMMODATIONS

CATEGORY	STAGE	STATION - STATION	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
0010	1	115+60 - 132+00	--	--	--
		132+00 - 150+00	--	--	--
		150+00 - 167+00	--	--	--
		167+00 - 182+00	--	--	--
		182+00 - 196+65	--	--	--
		STAGE 1 SUBTOTALS	--	--	--
	2	115+60 - 132+00	3,003	28	2,256
		132+00 - 150+00	--	--	1,029
		150+00 - 167+00	--	--	1,142
		167+00 - 182+00	2,023	56	909
		182+00 - 196+65	--	--	--
		STAGE 2 SUBTOTALS	5,026	84	5,336
	3	115+60 - 132+00	--	--	--
		132+00 - 150+00	--	--	--
		150+00 - 167+00	--	--	--
		167+00 - 182+00	--	--	--
		182+00 - 196+65	568	36	300
		STAGE 3 SUBTOTALS	568	36	300
		TOTALS	5,594	120	5,636

GEOTEXTILE FABRIC

CATEGORY	STATION - STATION	LOCATION	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	645.0120 GEOTEXTILE TYPE HR SY	645.0220 GEOGRID TYPE SR SY
0010	115+60 - 132+00	LT/RT	--	16	5,663
	132+00 - 150+00	LT/RT	178	57	5,626
	150+00 - 167+00	LT/RT	--	--	4,865
	167+00 - 182+00	LT/RT	--	--	5,295
	182+00 - 196+65	LT/RT	178	42	5,401
	UNDISTRIBUTED		178	--	--
	TOTALS		534	115	26,850

PERMANENT PAVEMENT MARKING ITEMS

CATEGORY	STATION - STATION	646.1005 MARKING LINE PAINT 4-INCH YELLOW LF	646.1005 MARKING LINE PAINT 4-INCH WHITE LF	646.1005 MARKING LINE PAINT 4-INCH WHITE SKIP 12.5-FOOT SEG. 37.5-FOOT GAP LF	646.3005 MARKING LINE PAINT 8-INCH WHITE LF	646.5005 MARKING ARROW PAINT EACH	646.5105 MARKING WORD PAINT EACH	646.6105 MARKING STOP LINE PAINT 18-INCH LF	646.7405 MARKING CROSSWALK PAINT TRANSVERSE LINE 6-INCH LF	646.8105 MARKING CURB PAINT LF	646.8205 MARKING ISLAND NOSE PAINT EACH
0010	115+60 - 132+00	3,312	3,281	885	349	5	1	79	---	---	---
	132+00 - 150+00	3,014	3,116	791	472	6	1	37	---	132	2
	150+00 - 167+00	2,421	2,421	606	208	3	---	42	---	---	---
	167+00 - 182+00	2,799	2,705	692	548	7	2	128	269	86	2
	182+00 - 196+65	2,772	2,476	799	1,122	12	3	169	144	235	7
	UNDISTRIBUTED	---	---	---	---	---	---	---	---	---	---
	CATEGORY 0010 SUB-TOTALS	14,318	13,999	3,771							
	CATEGORY 0010 TOTALS		32,088		2,699	33	7	455	413	453	11
0020	196+65 - 198+85	275	84	64	111	---	---	52	202	53	4
	CATEGORY 0020 SUB-TOTALS	275	84	64							
	CATEGORY 0020 TOTALS		423		111	---	---	52	202	53	4
	ALL CATEGORY TOTALS		32,511		2,810	33	7	507	615	506	15

MARKING REMOVAL ITEMS

CATEGORY	STAGE	STATION - STATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH
0010	PRE STAGE	BEGIN - 132+00	163	--	--	--
		132+00 - 150+00	--	--	--	--
		150+00 - 167+00	163	--	--	--
		167+00 - 182+00	--	--	--	--
		182+00 - END	150	--	--	--
		PRE STAGE SUBTOTAL	476	--	--	--
	1	BEGIN - 132+00	--	165	27	2
		132+00 - 150+00	--	190	12	3
		150+00 - 167+00	--	--	--	--
		167+00 - 182+00	--	103	24	2
		182+00 - END	--	--	52	--
		STAGE 1 SUB-TOTAL	--	458	115	7
	2	BEGIN - 132+00	34	100	41	1
		132+00 - 150+00	--	--	--	--
		150+00 - 167+00	--	100	43	2
		167+00 - 182+00	--	--	16	--
		182+00 - END	83	--	50	1
		STAGE 2 SUB-TOTAL	117	200	150	4
		TOTALS	593	658	265	11

TEMPORARY PAVEMENT MARKING

CATEGORY	STAGE	STATION		STATION	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW) LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE) LF	643.3205 TEMPORARY MARKING LINE PAINT 8-INCH (WHITE) LF	643.3250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	643.3505 TEMPORARY MARKING ARROW PAINT EACH	643.3550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF
0010	PRE STAGE	BEGIN	-	132+00	---	---	---	---	490	---	---	---	---	---	---	---
		132+00	-	150+00	---	---	---	---	---	---	---	---	---	---	---	---
		150+00	-	167+00	---	---	---	---	490	---	---	---	---	---	---	---
		167+00	-	182+00	---	---	---	---	---	---	---	---	---	---	---	---
		182+00	-	END	---	---	316	---	245	273	---	47	---	---	---	---
		PRE STAGE SUB-TOTALS			---	---	316	---	1,225	273	---	47	---	---	---	---
	1	BEGIN	-	132+00	3,286	---	858	284	245	---	---	162	---	2	---	11
		132+00	-	150+00	2,915	---	166	---	---	---	---	116	---	2	25	---
		150+00	-	167+00	2,722	---	660	---	---	---	---	---	---	---	---	12
		167+00	-	182+00	2,787	---	---	---	---	---	102	---	2	---	14	---
		182+00	-	END	3,116	---	1,516	454	---	266	110	146	2	1	27	51
		STAGE 1 SUB-TOTALS			14,826	---	3,200	738	245	266	212	424	4	5	40	60
	2	BEGIN	-	132+00	---	---	4,259	294	245	---	---	118	---	2	---	24
		132+00	-	150+00	---	---	3,055	---	---	---	---	87	---	---	---	48
		150+00	-	167+00	---	---	3,296	136	---	---	---	50	---	1	---	27
		167+00	-	182+00	---	---	2,689	26	---	---	---	157	---	2	---	48
		182+00	-	END	---	---	4,810	774	---	266	---	162	---	---	---	90
		STAGE 2 SUB-TOTALS			---	---	18,109	1,230	245	266	---	574	---	5	---	237
	3	BEGIN	-	132+00	---	---	---	---	491	---	---	47	---	---	---	23
		132+00	-	150+00	---	---	---	---	---	---	---	---	---	---	---	---
		150+00	-	167+00	---	---	---	---	245	---	---	---	---	---	---	---
		167+00	-	182+00	---	---	---	---	---	---	---	---	---	---	---	---
		182+00	-	END	---	---	181	280	245	266	---	95	---	---	---	22
		STAGE 3 SUB-TOTALS			---	---	181	280	981	266	---	142	---	---	---	45
		TOTALS			14,826		24,054		3,767		212	1,187	4	10	40	342

CONSTRUCTION STAKING

CATEGORY	STATION		STATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.7000 CONCRETE PAVEMENT LF	650.9920 SLOPE STAKES LF
0010	115+60	-	132+00	3,280	3,280	6,563	--	3,280
	132+00	-	150+00	3,600	3,600	6,189	--	3,600
	150+00	-	167+00	3,400	3,400	4,773	--	3,400
	167+00	-	182+00	3,000	3,000	5,834	--	3,000
	182+00	-	196+65	2,930	2,930	6,430	--	2,930
	CATEGORY 0010 TOTALS			16,210	16,210	29,789	--	16,210
0020	196+65	-	198+85	--	--	--	505	--
	ALL CATEGORY TOTALS			16,210	16,210	29,789	505	16,210

CONSTRUCTION STAKING

CATEGORY	PROJECT	650.9500 SIDEWALK EACH	650.9911 SUPPLEMENTAL CONTROL EACH
0010	4291-03-70	1	1

SAWING EXISTING PAVEMENT

CATEGORY	STATION		STATION	LOCATION	690.0150* SAWING ASPHALT LF PRE STAGE	690.0150* SAWING ASPHALT LF STAGE 1	690.0150* SAWING ASPHALT LF STAGE 2	690.0150* SAWING ASPHALT LF STAGE 3	690.0250* SAWING CONCRETE LF PRE STAGE	690.0250* SAWING CONCRETE LF STAGE 1	690.0250* SAWING CONCRETE LF STAGE 2	690.0250* SAWING CONCRETE LF STAGE 3
0010	115+60	-	132+00	RT & LT	---	---	---	---	---	53	29	---
	132+00	-	150+00	RT & LT	---	63	---	---	---	68	41	---
	150+00	-	167+00	RT & LT	---	38	39	---	---	69	69	---
	167+00	-	182+00	RT & LT	---	31	20	---	---	95	49	---
	182+00	-	196+65	RT & LT	---	---	---	---	---	159	5	106
	CATEGORY 0010 SUB-TOTALS				---	132	59	---	---	444	193	106
	CATEGORY 0010 TOTALS					191				743		
0020	196+65	-	198+85	RT & LT	---	---	---	---	749	235	231	---
	CATEGORY 0020 TOTALS					---				1,215		
	ALL CATEGORY TOTALS					191				1,958		

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

WATER MAIN PATH SUMMARY

CATEGORY	STATION - STATION		LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0105 ASPHALTIC SURFACE TON
0030	118+54	- 119+79	RT	168	56	30
	0030 TOTALS			168	56	30

*ADDITIONAL QUANTITES LISTED ELSEWHERE

WATER MAIN SUMMARY

CATEGORY	STATION - STATION		LOCATION	SPV.0090.01 24-INCH PVC WATER MAIN LF	SPV.0090.02 24-INCH DI WATER MAIN LF	SPV.0090.03 16-INCH DI WATER MAIN LF	SPV.0090.04 10-INCH PVC WATER MAIN LF	SPV.0090.05 6-INCH DI WATER MAIN LF
0030	115+68	- 115+71	RT	--	--	4	--	--
	115+71	- 119+74	RT	409	--	--	--	--
	115+89	- 115+89	RT	--	--	--	--	21
	116+00	- 116+00	RT	--	--	--	14	--
	119+54	- 119+52	RT	--	--	--	--	8
	119+73	- 119+77	RT	--	4	--	--	--
	0030 TOTALS			409	4	4	14	29

STORM SEWER REMOVALS SUMMARY

CATEGORY	STATION - STATION			204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INELTS EACH	REMOVING STORM SEWER** 204.0245 4-INCH LF	6-INCH LF	12-INCH LF	15-INCH LF	18-INCH LF	24-INCH LF
0010	115+60	-	132+00	2	20	7	16	371	10	399	115
	132+00	-	150+00	-	22	-	-	524	-	-	-
	150+00	-	167+00	1	16	-	-	347	-	312	252
	167+00	-	182+00	3	15	-	-	334	-	480	245
	182+00	-	196+65	2	18	-	-	296	10	595	81
	196+65	-	198+85	-	1	-	-	8	-	-	-
	0010 TOTALS			8	92	7	16	1880	20	1786	693

**REMOVING STORM SEWER INCLUDES REMOVING OF EXISTING ENDWALLS

WATER MAIN APPURTENANCES SUMMARY

CATEGORY	STATION	LOCATION	SPV.0060.02 ADJUSTING VALVE BOX EACH	SPV.0060.03 24-INCH BUTTERFLY VALVE AND VALVE BOX EACH	SPV.0060.04 10-INCH GATE VALVE AND VALVE BOX EACH	SPV.0060.05 6-INCH GATE VALVE AND VALVE BOX EACH	SPV.0060.06 FIRE HYDRANT ASSEMBLY EACH
0030	115+85	24.2' RT	--	1	--	--	--
	115+89	25.9' RT	--	--	--	1	--
	115+89	44.6' RT	--	--	--	--	1
	115+99	22.5' RT	1	--	1	--	--
	119+70	63.3' RT	--	1	--	--	--
	119+72	71.4' RT	--	--	--	--	1
	119+73	65.9' RT	--	--	--	1	--
	167+85	7.5' RT	1	--	--	--	--
	168+13	8.1' RT	1	--	--	--	--
	168+82	75.8' RT	1	--	--	--	--
	168+92	76.1' RT	1	--	--	--	--
	168+82	106.3' RT	1	--	--	--	--
	168+92	105.7' RT	1	--	--	--	--
	169+04	85.4' RT	1	--	--	--	--
	169+17	85.4' RT	1	--	--	--	--
	169+36	6.7' LT	1	--	--	--	--
	UNDISTRIBUTED		5	--	--	--	--
	0030 TOTALS		15	2	1	2	2

INLET COVERS TYPE DW

CATEGORY	STATION	LOCATION	SPV.0060.20 INLET COVERS TYPE DW EACH
0010	110+90	LT	1
	110+90	RT	1
	183+55	RT	1
	183+65	RT	1
	197+05	RT	1
	TOTAL		5

STORM SEWER SUMMARY

CATEGORY	FROM STRUCTURE	TO STRUCTURE	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
0010	INL 010	INL 011	25	---	---	---	---
	INL 011	EX MH 010	13	---	---	---	---
	INL 012	EX MH 010	9	---	---	---	---
	INL 013	INL 012	29	---	---	---	---
	EX MH 010	-	---	---	---	---	2
	INL 020	INL 021	25	---	---	---	---
	INL 021	EX MH 020	13	---	---	---	---
	INL 022	EX MH 020	12	---	---	---	---
	INL 023	INL 022	25	---	---	---	---
	EX MH 020	-	---	---	---	---	2
	INL 030	INL 031	25	---	---	---	---
	INL 031	EX MH 030	13	---	---	---	---
	INL 032	EX MH 030	12	---	---	---	---
	INL 033	INL 032	25	---	---	---	---
	EX MH 030	-	---	---	---	---	2
	INL 040	INL 041	25	---	---	---	---
	INL 041	MH 040	12	---	---	---	---
	INL 042	MH 040	13	---	---	---	---
	INL 043	INL 042	25	---	---	---	---
	MH 040	MH 050	---	---	399	---	---
	INL 050	INL 051	25	---	---	---	---
	INL 051	MH 050	13	---	---	---	---
	INL 052	INL 053	---	---	---	25	---
	INL 053	EW 050	---	---	---	55	---
	MH 050	INL 052	---	---	---	12	---
	INL 060	EX MH 060	7	---	---	---	---
	INL 061	INL 060	25	---	---	---	---
	INL 062	INL 061	25	---	---	---	---
	INL 063	INL 062	25	---	---	---	---
	EX MH 060	-	---	---	---	---	1
	INL 070	INL 071	19	---	---	---	---
	INL 071	INL 072	37	---	---	---	---
	INL 072	INL 074	---	13	---	---	---
	INL 073	INL 074	11	---	---	---	---
	INL 074	INL 082	---	---	104	---	---
	INL 075	INL 074	30	---	---	---	---
	INL 080	INL 081	37	---	---	---	---
	INL 081	INL 082	13	---	---	---	---
	INL 082	INL 092	---	---	---	149	---
	INL 083	INL 082	38	---	---	---	---
	INL 090	INL 091	25	---	---	---	---
	INL 091	INL 092	25	---	---	---	---
	INL 092	INL 093	---	---	---	32	---
	INL 093	EW 090	---	---	---	17	---
	INL 100	INL 101	25	---	---	---	---
	INL 101	INL 102	25	---	---	---	---
	INL 102	INL 103	25	---	---	---	---
	INL 103	EW 100	10	---	---	---	---
	INL 110	INL 111	27	---	---	---	---
	INL 111	MH 111	14	---	---	---	---
	INL 112	MH 111	10	---	---	---	---
	INL 113	INL 112	29	---	---	---	---
	MH 111	EX MH 110	---	---	34	---	---
	INL 120	INL 121	27	---	---	---	---
	INL 121	MH 120	13	---	---	---	---
	INL 122	MH 120	12	---	---	---	---
	INL 123	INL 122	27	---	---	---	---
	MH 120	MH 111	---	---	279	---	---
	INL 130	INL 131	25	---	---	---	---

STORM SEWER SUMMARY

CATEGORY	FROM STRUCTURE	TO STRUCTURE	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
0010	INL 131	INL 132	24	---	---	---	---
	INL 132	INL 133	26	---	---	---	---
	INL 133	MH 130	13	---	---	---	---
	MH 130	PIPE 130	8	---	---	---	---
	PIPE 130	-	---	---	---	---	1
	INL 140	INL 141	25	---	---	---	---
	INL 141	MH 140	12	---	---	---	---
	INL 142	INL 143	---	---	---	36	---
	INL 143	PIPE 143	---	---	---	17	---
	MH 140	INL 142	---	---	---	18	---
	PIPE 143	-	---	---	---	---	1
	INL 150	INL 151	34	---	---	---	---
	INL 151	MH 140	---	---	---	428	---
	INL 152	INL 151	11	---	---	---	---
	INL 153	INL 152	38	---	---	---	---
	INL 160	INL 161	25	---	---	---	---
	INL 161	MH 160	11	---	---	---	---
	INL 162	MH 160	11	---	---	---	---
	INL 163	INL 162	28	---	---	---	---
	MH 160	INL 151	---	---	276	---	---
	INL 170	INL 171	25	---	---	---	---
	INL 171	EX MH 170	13	---	---	---	---
	INL 172	EX MH 170	12	---	---	---	---
	INL 173	INL 172	25	---	---	---	---
	INL 180	INL 181	25	---	---	---	---
	INL 181	MH 180	13	---	---	---	---
	INL 182	MH 180	12	---	---	---	---
	INL 183	INL 182	25	---	---	---	---
	MH 180	MH 190	---	---	250	---	---
	INL 190	INL 191	39	---	---	---	---
	INL 191	MH 190	13	---	---	---	---
	INL 192	INL 193	---	---	---	25	---
	INL 193	EW 190	---	---	---	43	---
	MH 190	INL 192	---	---	---	12	---
	INL 197	MH 190	---	---	71	---	---
	INL 198	INL 199	11	---	---	---	---
	INL 199	INL 197	---	---	85	---	---
	PIPE 199	INL 199	---	---	27	---	---
	INL 212	PIPE 199	---	---	8	---	---
	INL 210	INL 211	25	---	---	---	---
	INL 211	INL 212	13	---	---	---	---
	INL 213	INL 212	37	---	---	---	---
	INL 220	INL 221	25	---	---	---	---
	INL 221	MH 220	12	---	---	---	---
	INL 222	MH 220	13	---	---	---	---
	INL 223	INL 222	25	---	---	---	---
	MH 220	INL 212	---	---	350	---	---
	EX PIPE	MH 220	---	8	---	---	---
	INL 230	INL 231	25	---	---	---	---
	INL 231	EX MH 230	12	---	---	---	---
	INL 232	EX MH 230	13	---	---	---	---
	INL 233	INL 232	25	---	---	---	---
	TOTALS		1629	21	1883	869	9

MANHOLES AND INLETS SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	INL 010	117+20.54	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 011	117+20.50	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 012	117+20.61	9.5 ' LT	---	---	1	---	---	1	---	1
	INL 013	117+20.58	38.8 ' LT	---	---	1	---	---	1	---	1
	INL 020	120+20.28	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 021	120+20.38	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 022	120+20.05	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 023	120+20.29	37.5 ' LT	---	---	1	---	---	1	---	1
	INL 030	123+20.55	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 031	123+20.33	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 032	123+20.36	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 033	123+20.21	37.5 ' LT	---	---	1	---	---	1	---	1
	INL 040	127+20.24	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 041	127+20.22	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 042	127+20.07	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 043	127+20.08	37.5 ' LT	---	---	1	---	---	1	---	1
	MH 040	127+20.36	0.7 ' RT	1	---	---	---	1	---	---	1
	INL 050	131+19.66	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 051	131+19.47	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 052	131+20.13	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 053	131+19.94	37.5 ' LT	---	---	1	---	---	1	---	1
	MH 050	131+20.80	0.1 ' LT	---	1	---	---	1	---	---	1
	INL 060	135+19.66	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 061	135+19.88	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 062	135+19.74	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 063	135+19.72	37.5 ' LT	---	---	1	---	---	1	---	1
	INL 070	138+47.65	37.5 ' RT	---	---	1	---	---	---	1	1
	INL 071	138+67.59	37.5 ' RT	---	---	1	---	---	---	1	1
	INL 072	138+67.59	0.5 ' RT	---	---	1	---	---	---	1	1
	INL 073	138+56.51	12.5 ' LT	---	---	1	---	---	---	1	1
	INL 074	138+67.19	12.5 ' LT	---	---	---	1	---	---	1	1
	INL 075	138+71.39	42.3 ' LT	---	---	1	---	---	---	1	1
	INL 080	139+70.60	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 081	139+70.60	0.2 ' RT	---	---	1	---	---	---	1	1
	INL 082	139+70.60	12.5 ' LT	---	---	---	1	---	1	---	1
	INL 083	139+77.62	49.5 ' LT	---	---	1	---	---	---	1	1
	INL 090	141+19.66	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 091	141+19.45	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 092	141+19.49	12.5 ' LT	---	1	---	---	---	1	---	1
	INL 093	141+19.47	44.3 ' LT	---	---	---	1	---	---	1	1
	INL 100	144+19.80	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 101	144+19.74	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 102	144+19.67	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 103	144+19.60	37.5 ' LT	---	---	1	---	---	1	---	1
	INL 110	153+90.46	39.5 ' RT	---	---	1	---	---	1	---	1
	INL 111	153+90.46	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 112	153+90.46	10.8 ' LT	---	---	1	---	---	1	---	1
	INL 113	153+90.46	39.5 ' LT	---	---	1	---	---	1	---	1
	MH 111	153+90.46	1.3 ' LT	1	---	---	---	1	---	---	1
	INL 120	156+71.42	39.5 ' RT	---	---	1	---	---	1	---	1
	INL 121	156+70.81	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 122	156+69.84	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 123	156+69.38	39.5 ' LT	---	---	1	---	---	1	---	1
	MH 120	156+69.26	0.2 ' LT	1	---	---	---	1	---	---	1
	INL 130	161+51.15	37.6 ' RT	---	---	1	---	---	1	---	1

MANHOLES AND INLETS SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	INL 131	161+50.86	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 132	161+50.58	11.1 ' LT	---	---	1	---	---	1	---	1
	INL 133	161+51.38	37.5 ' LT	---	---	1	---	---	1	---	1
	MH 130	161+51.38	50.6 ' LT	1	---	---	---	1	---	---	1
	INL 140	165+17.87	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 141	165+20.53	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 142	165+04.47	12.5 ' LT	---	---	---	1	---	1	---	1
	INL 143	164+78.42	37.5 ' LT	---	---	---	1	---	1	---	1
	MH 140	165+17.56	0.6 ' RT	---	1	---	---	1	---	---	1
	INL 150	169+39.61	44.7 ' RT	---	---	1	---	---	1	---	1
	INL 151	169+44.92	11.3 ' RT	---	1	---	---	---	1	---	1
	INL 152	169+44.16	0.5 ' RT	---	---	1	---	---	---	1	1
	INL 153	169+30.92	37.5 ' LT	---	---	1	---	---	---	1	1
	INL 160	172+19.70	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 161	172+19.97	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 162	172+20.07	9.9 ' LT	---	---	1	---	---	1	---	1
	INL 163	172+19.70	37.5 ' LT	---	---	1	---	---	1	---	1
	MH 160	172+19.70	1.1 ' RT	1	---	---	---	1	---	---	1
	INL 170	174+69.56	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 171	174+69.66	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 172	174+70.82	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 173	174+70.34	37.5 ' LT	---	---	1	---	---	1	---	1
	INL 180	180+03.62	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 181	180+04.84	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 182	180+02.88	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 183	180+03.37	37.5 ' LT	---	---	1	---	---	1	---	1
	MH 180	180+03.62	0.2 ' LT	1	---	---	---	1	---	---	1
	INL 190	182+52.38	51.5 ' RT	---	---	1	---	---	---	1	1
	INL 191	182+52.38	12.5 ' RT	---	---	1	---	---	---	1	1
	INL 192	182+54.12	12.5 ' LT	---	---	---	1	---	---	1	1
	INL 193	182+53.84	37.5 ' LT	---	---	---	1	---	---	1	1
	MH 190	182+53.51	0.4 ' LT	---	1	---	---	1	---	---	1
	INL 197	183+24.35	0.3 ' RT	---	---	---	1	---	---	1	1
	INL 198	184+09.49	11.8 ' RT	---	---	1	---	---	---	1	1
	INL 199	184+09.49	0.8 ' RT	---	---	---	1	---	---	1	1
	INL 200	183+57.78	59.9 ' RT	---	---	---	---	---	---	1	---
	INL 201	183+62.77	59.9 ' RT	---	---	---	---	---	---	1	---
	INL 210	185+54.99	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 211	185+53.69	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 212	185+52.76	0.5 ' LT	---	---	---	1	---	1	---	1
	INL 213	185+51.96	37.5 ' LT	---	---	1	---	---	1	---	1
	INL 220	189+03.37	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 221	189+03.44	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 222	189+01.67	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 223	189+00.33	37.5 ' LT	---	---	1	---	---	1	---	1
	MH 220	189+03.05	0.7 ' RT	1	---	---	---	1	---	---	1
	INL 230	192+50.44	37.5 ' RT	---	---	1	---	---	1	---	1
	INL 231	192+50.12	12.5 ' RT	---	---	1	---	---	1	---	1
	INL 232	192+50.68	12.5 ' LT	---	---	1	---	---	1	---	1
	INL 233	192+50.66	37.5 ' LT	---	---	1	---	---	1	---	1
	INL 240	193+87.24	48.5 ' LT	---	---	---	---	---	1	---	---
	INL 241	197+04.66	12.0 ' RT	---	---	1	---	---	1	---	1
	TOTALS			7	5	82	10	10	77	20	104

STORM SEWER ENDWALL SUMMARY

CATEGORY	STRUCTURE ID#.	STATION	OFFSET	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	633.5200 MARKERS CULVERT END EACH
0010	EW 050	131+19.52	109.9 ' LT	---	1	1
	EW 090	141+20.36	61.1 ' LT	---	1	1
	EW 100	144+19.76	47.4 ' LT	1	---	1
	EW 190	182+82.46	70.0 ' LT	---	1	1
			0010 TOTALS	1	3	4

MISCELLANEOUS STORM SEWER SUMMARY

CATEGORY	STRUCTURE ID#.	STATION	OFFSET		204.0280 SEALING PIPES EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	SPV.0060.01 STORM SEWER CUT-IN EACH
0010	EX MH 110	153+57	0.7'	LT	2	--	--
	UNDISTRIBUTED				--	2	3
				TOTALS	2	2	3

3

3

REMOVING CONCRETE BASES

CATEGORY		BASE NO.	STATION	LOCATION	204.0195 EACH
0010	CTH TA &	EXSB1	169+02.83	89.2 RT	1
	NEW JERSEY AVENUE	EXSB2	168+49.47	88.0 RT	1
		EXSB3	168+09.61	56.6 RT	1
		EXSB4	168+05.28	5.4 LT	1
		EXSB5	168+12.83	42.8 LT	1
		EXSB6	168+45.46	57.2 LT	1
		EXSB7	168+93.02	58.7 LT	1
		EXSB8	169+34.67	43.0 LT	1
		EXSB9	169+40.27	3.8 RT	1
		EXSB10	169+40.02	57.9 RT	1
		EXSB11	169+17.36	68.9 RT	1
		EXSB12	168+34.91	69.8 RT	1
				SUB-TOTALS	12
	CTH TA &	EXSB1	183+93.98	50.8 RT	1
	TAYLOR FRONTAGE ROAD	EXSB2	183+23.33	44.6 RT	1
		EXSB3	183+23.84	2.6 RT	1
		EXSB4	183+23.05	43.3 LT	1
		EXSB5	183+76.56	42.3 LT	1
		EXSB6	183+94.95	42.5 LT	1
		EXSB7	183+94.29	9.1 RT	1
				SUB-TOTALS	7
				TOTAL	19

REMOVING PULL BOXES

CATEGORY		PULL BOX NO.	STATION	LOCATION	653.0905 EACH
0010	CTH TA &	EXPB1	169+02.54	93.1' RT	1
	NEW JERSEY AVENUE	EXPB6	168+47.92	92' RT	1
		EXPB7	168+05.30	56.1' RT	1
		EXPB8	166+79.00	55.9' RT	1
		EXPB9	164+82.16	46' RT	1
		EXPB10	168+15.38	4.1' LT	1
		EXPB13	168+18.72	43.5' LT	1
		EXPB14	168+42.91	52.7' LT	1
		EXPB15	168+97.44	54.3' LT	1
		EXPB16	169+40.19	44.3' LT	1
		EXPB17	170+69.38	45.5' LT	1
		EXPB18	173+07.92	47.2' LT	1
		EXPB19	169+34.26	7.1' LT	1
		EXPB21	171+31.41	7.8' RT	1
		EXPB22	169+31.28	58.9' RT	1
				SUB-TOTALS	15
	CTH TA &	EXPB1	184+04.11	45.4' RT	1
	TAYLOR FRONTAGE ROAD	EXPB2	183+19.48	48.4' RT	1
		EXPB3	183+18.06	7.6' RT	1
		EXPB4	183+16.92	44.1' LT	1
		EXPB5	184+00.05	47.1' LT	1
		EXPB6	183+99.31	7.9' RT	1
		EXPB7	182+97.87	69.5' RT	1
		EXPB8	180+84.13	0.3' LT	1
		EXPB9	185+81.57	3.4' RT	1
		EXPB10	186+63.97	3.5' LT	1
		EXPB11	185+80.06	49.2' RT	1
		EXPB12	183+94.06	108.2' RT	1
				SUB-TOTALS	12
				TOTAL	27

TRAFFIC SIGNAL CONDUIT SUMMARY

CATEGORY	INTERSECTION	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
0010	CTH TA &	CB1	PB1	--	27
	NEW JERSEY AVENUE	PB1	PB2	--	54
		PB2	PB3	--	120
		PB3	PB4	--	100
		PB4	PB5	--	120
		PB5	PB6	--	105
		PB6	PB7	--	44
		PB7	PB8	--	155
		PB8	PB9	--	32
		PB9	PB10	--	200
		PB10	PB11	--	58
		PB11	CB1	--	21
		PB2	SB1	5	--
		PB3	SB2	7	--
		PB4	SB3	9	--
		PB5	SB4	6	--
		PB6	SB5	--	7
		PB7	SB6	8	--
		PB8	SB7	9	--
		PB9	SB8	9	--
		PB10	SB9	--	5
		PB10	SB10	20	--
			SUB-TOTALS	73	1,048
	CTH TA &	CB1	PB1	--	18
	TAYLOR FRONTAGE ROAD	PB1	PB2	--	82
		PB2	PB3	--	140
		PB3	PB4	--	195
		PB4	PB5	--	155
		PB5	PB6	--	180
		PB6	PB7	--	74
		PB7	CB1	--	18
		PB2	SB1	--	4
		PB3	SB2	7	--
		PB4	SB3	--	7
		PB5	SB4	28	--
		PB5	SB5	7	--
			SUB-TOTALS	42	873
			TOTALS	115	1,921

TRAFFIC SIGNAL PULL BOX SUMMARY

CATEGORY	INTERSECTION	PULL BOX NO.	LOCATION** STATION	OFFSET	653.0140 PULL BOXES STEEL 24X42-INCH EACH
0010	CTH TA &	PB1	169+27.44	86.1 RT	1
	NEW JERSEY AVENUE	PB2	169+02.53	93.2 RT	1
		PB3	168+46.12	89.7 RT	1
		PB4	168+09.76	56.6 RT	1
		PB5	168+09.75	3.7 LT	1
		PB6	168+09.81	55.5 LT	1
		PB7	168+32.35	55.2 LT	1
		PB8	169+11.74	51.8 LT	1
		PB9	169+27.40	45.4 LT	1
		PB10	169+25.69	53.7 RT	1
		PB11	169+28.75	82.3 RT	1
				SUB-TOTALS	11
	CTH TA &	PB1	184+29.51	72.0 RT	1
	TAYLOR FRONTAGE ROAD	PB2	183+94.21	50.5 RT	1
		PB3	183+24.16	50.6 RT	1
		PB4	183+27.93	47.7 LT	1
		PB5	184+04.69	45.5 LT	1
		PB6	184+03.75	45.1 RT	1
		PB7	184+32.95	67.7 RT	1
				SUB-TOTALS	7
				TOTAL	18

**FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR

CATEGORY		BASE NO.	STATION	LOCATION	659.5000.S EACH
0010	CTH TA &	EXSB1	169+02.83	89.2 RT	2
	NEW JERSEY AVENUE	EXSB2	168+49.47	88.0 RT	2
		EXSB3	168+09.61	56.6 RT	1
		EXSB4	168+05.28	5.4 LT	2
		EXSB5	168+12.83	42.8 LT	2
		EXSB6	168+45.46	57.2 LT	2
		EXSB7	168+93.02	58.7 LT	2
		EXSB8	169+34.67	43.0 LT	1
		EXSB9	169+40.27	3.8 RT	2
		EXSB10	169+40.02	57.9 RT	2
		EXSB11	169+17.36	68.9 RT	1
		EXSB12	168+34.91	69.8 RT	1
				SUB-TOTALS	20
	CTH TA &	EXSB1	183+93.98	50.8 RT	3
	TAYLOR FRONTAGE ROAD	EXSB2	183+23.33	44.6 RT	2
		EXSB3	183+23.84	2.6 RT	1
		EXSB4	183+23.05	43.3 LT	2
		EXSB5	183+76.56	42.3 LT	1
		EXSB6	183+94.95	42.5 LT	1
		EXSB7	183+94.29	9.1 RT	2
				SUB-TOTALS	12
				UNDISTRIBUTED	5
				TOTAL	37

3

CONCRETE BASES

CATEGORY	INTERSECTION	SB NO.	STATION	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
0010	CTH TA & NEW JERSEY AVENUE	SB1	169+03.12	88.3' RT	1	--	--	--	--	--
		SB2	168+42.97	83.4' RT	--	1	--	--	--	--
		SB3	168+15.79	62.4' RT	1	--	--	--	--	--
		SB4	168+15.86	3.5' LT	1	--	--	--	--	--
		SB5	168+15.56	51.9' LT	--	--	--	--	1	--
		SB6	168+39.62	59.2' LT	1	--	--	--	--	--
		SB7	169+03.92	56.5' LT	--	1	--	--	--	--
		SB8	169+36.57	43.1' LT	1	--	--	--	--	--
		SB9	169+30.44	52.3' RT	--	--	--	1	--	--
		SB10	169+14.50	70.0' RT	1	--	--	--	--	--
				SUB-TOTALS	6	2	--	1	1	--
	CTH TA & TAYLOR FRONTAGE ROAD	SB1	183+94.11	46.3' RT	--	--	1	--	--	--
		SB2	183+25.97	44.4' RT	--	1	--	--	--	--
		SB3	183+22.70	43.0' LT	--	--	--	1	--	--
		SB4	183+76.20	42.5' LT	1	--	--	--	--	--
		SB5	184+11.05	42.8' LT	1	--	--	--	--	--
		CB 1	184+35.40	73.7' RT	--	--	--	--	--	1
				SUB-TOTALS	2	1	1	1	--	1
				TOTALS	8	3	1	2	1	1

TRAFFIC SIGNAL LIGHTING WIRE SUMMARY

CATEGORY	INTERSECTIONS	LOCATION FROM	LOCATION TO	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
0010	CTH TA & NEW JERSEY AVENUE	CB1	SB2	166	--
		SB2	LUMN	--	117
		SB2	SB5	241	--
		SB6	LUMN	--	117
		CB1	SB9	89	--
		SB9	LUMN	--	117
		SB9	SB7	177	--
		SB7	LUMN	--	117
			SUB-TOTALS	673	468
	CTH TA & TAYLOR FRONTAGE ROAD	CB1	SB1	83	--
		SB1	LUMN	--	117
		SB1	SB2	113	--
		SB2	LUMN	--	117
		CB1	SB3	282	--
		SB3	LUMN	--	117
			SUB-TOTALS	478	351
			TOTALS	1,151	819

ELECTRICAL SERVICE METER BREAKER PEDESTAL

CATEGORY	BASE NO.	LOCATION	656.0201* EACH
0010	CB1	CTH TA & TAYLOR FRONTAGE ROAD	1

*FINAL LOCATION TO BE DETERMINED BY THE FIELD ENGINEER

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

CATEGORY	INTERSECTION	FROM	TO	655.0515 LF
0010	CTH TA & NEW JERSEY AVENUE	CB1	SB1	89
		SB1	SB2	105
		SB2	SB3	105
		SB3	SB4	110
		SB4	SB5	100
		SB5	SB6	73
		SB6	SB7	130
		SB7	SB8	70
		SB8	SB9	150
		SB9	CB1	89
		PB1	CB1	39
		PB2	SB1	23
		PB3	SB2	25
		PB4	SB3	27
		PB5	SB4	24
		PB6	SB5	25
		PB7	SB6	26
		PB8	SB7	27
		PB9	SB8	27
		PB10	SB9	23
		PB11	CB1	37
			SUB-TOTALS	1,324
	CTH TA & TAYLOR FRONTAGE ROAD	CB1	SB1	99
		SB1	SB2	115
		SB2	SB3	150
		SB3	SB4	150
		SB4	SB5	56
		SB5	CB1	205
		PB1	CB1	36
		PB2	SB1	22
		PB3	SB2	25
		PB4	SB3	25
		PB5	SB5	25
		PB6	CB1	88
		PB7	CB1	36
			SUB-TOTALS	1,032
			TOTAL	2,356

3

TRAFFIC SIGNAL CABLE SUMMARY

CATEGORY	INTERSECTIONS	FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0263 CABLE TRAFFIC SIGNAL 15-14 AWG LF
0010	CTH TA & NEW JERSEY AVENUE	CB1	SB1	--	--	71	--
		SB1	HEAD 12	19	--	--	--
		SB1	HEAD 14	19	--	--	--
		CB1	SB2	--	--	145	--
		SB2	HEAD 13	50	--	--	--
		SB2	HEAD 19	14	--	--	--
		CB1	SB3	--	--	215	--
		SB3	HEAD 1	19	--	--	--
		SB3	HEAD 9	21	--	--	--
		SB3	HEAD 18	14	--	--	--
		CB1	SB4	--	285	--	--
		CB1	SB5	--	--	350	--
		SB5	HEAD 7	58	--	--	--
		SB5	HEAD 8	47	--	--	--
		SB5	HEAD 10	74	--	--	--
		SB5	HEAD 17	14	--	--	--
		CB1	SB6	--	--	310	--
		SB6	HEAD 11	19	--	--	--
		SB6	HEAD 15	19	--	--	--
		CB1	SB7	--	220	--	--
		SB7	HEAD 16	50	--	--	--
		CB1	SB8	--	--	190	--
		SB8	HEAD 4	19	--	--	--
		SB8	HEAD 6	19	--	--	--
		CB1	SB9	--	--	71	--
		SB9	HEAD 2	58	--	--	--
		SB9	HEAD 3	46	--	--	--
		SB9	HEAD 5	68	--	--	--
		CB1	SB10	--	86	--	--
		SB10	HEAD 20	14	--	--	--
			SUB-TOTALS	661	591	1,352	--
	CTH TA & TAYLOR FRONTAGE ROAD	CB1	SB1	--	--	81	--
		SB1	HEAD 2	52	--	--	--
		SB1	HEAD 3	41	--	--	--
		SB1	HEAD 9	25	--	--	--
		CB1	SB2	--	--	170	--
		SB2	HEAD 1	19	--	--	--
		SB2	HEAD 7	21	--	--	--
		CB1	SB3	--	--	--	280
		SB3	HEAD 5	49	--	--	--
		SB3	HEAD 6	38	--	--	--
		SB3	HEAD 8	61	--	--	--
		SB3	HEAD 10	19	--	--	--
		CB1	SB4	--	205	--	--
		SB4	HEAD 11	19	--	--	--
		CB1	SB5	--	185	--	--
		SB5	HEAD 4	19	--	--	--
			SUB-TOTALS	363	390	251	280
			TOTALS	1,024	981	1,603	280

TRAFFIC SIGNAL FACES SUMMARY

CATEGORY	INTERSECTION	SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
0010	CTH TA & NEW JERSEY AVENUE	SB1	12	1	--	--
		SB1	14	1	--	--
		SB2	13	1	--	--
		SB2	19	--	--	1
		SB3	1	1	--	--
		SB3	9	--	1	--
		SB3	18	--	--	1
		SB5	7	1	--	--
		SB5	8	1	--	--
		SB5	10	--	1	--
		SB5	17	--	--	1
		SB6	11	1	--	--
		SB6	15	1	--	--
		SB7	16	1	--	--
		SB8	4	1	--	--
		SB8	6	1	--	--
		SB9	2	1	--	--
		SB9	3	1	--	--
		SB9	5	1	--	--
		SB10	20	--	--	1
		SUBTOTALS		14	2	4
	CTH TA & TAYLOR FRONTAGE ROAD	SB1	2	1	--	--
		SB1	3	1	--	--
		SB1	9	1	--	--
		SB2	1	1	--	--
		SB2	7	--	1	--
		SB3	5	1	--	--
		SB3	6	1	--	--
		SB3	8	--	1	--
		SB3	10	1	--	--
		SB4	11	1	--	--
		SB5	4	1	--	--
		SUBTOTALS		9	2	--
		TOTALS		23	4	4

TRAFFIC SIGNAL MOUNTING HARDWARE

CATEGORY	LOCATION	658.5070 EACH
0010	01. CTH TA & NEW JERSEY AVENUE	1
	02. CTH TA & TAYLOR FRONTAGE ROAD	1
	TOTAL	2

3

TRAFFIC SIGNAL BASES, POLES, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES

CATEGORY	INTERSECTION	SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0410 TRAFFIC SIGNAL STANDARDS ALUMINUM 9-FT EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0350 POLES TYPE 10 EACH	657.0352 POLES TYPE 10-SPECIAL EACH	657.0595 TROMBONE ARMS 25-FT EACH
0010	CTH TA & NEW JERSEY AVENUE	SB1	1	--	--	--	--	1	--	--	--	--
		SB2	--	1	1	--	--	--	--	--	--	1
		SB3	1	--	--	--	--	--	1	--	--	--
		SB4	1	--	--	1	--	--	--	--	--	--
		SB5	--	--	--	--	--	--	--	--	--	--
		SB6	1	--	--	--	--	1	--	--	--	--
		SB7	--	1	1	--	--	--	--	--	--	1
		SB8	1	--	--	--	--	1	--	--	--	--
		SB9	--	--	--	--	--	--	--	--	1	--
		SB10	1	--	--	--	1	--	--	--	--	--
		SUB-TOTALS	6	2	2	1	1	3	1	--	1	2
	CTH TA & TAYLOR FRONTAGE ROAD	SB1	--	--	--	--	--	--	--	1	--	--
		SB2	--	1	1	--	--	--	--	--	--	--
		SB3	--	--	--	--	--	--	--	--	1	--
		SB4	1	--	--	--	--	1	--	--	--	--
		SB5	1	--	--	--	--	1	--	--	--	--
		SUB-TOTALS	2	1	1	--	--	2	--	1	1	--
		TOTALS	8	3	3	1	1	5	1	1	2	2

TRAFFIC SIGNAL BASES, POLES, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES CONT'D

CATEGORY	INTERSECTION	SIGNAL BASE NO.	657.0360 POLES TYPE 13 EACH	657.0530 MONOTUBE ARMS 30-FT EACH	657.0536 MONOTUBE ARMS 35-FT-SPECIAL EACH	657.0546 MONOTUBE ARMS 45-FT-SPECIAL EACH	657.0550 MONOTUBE ARMS 50-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	657.0806 LUMINAIRE ARMS STEEL 6-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
0010	CTH TA & NEW JERSEY AVENUE	SB1	--	--	--	--	--	--	--	--	--
		SB2	--	--	--	--	--	1	1	--	1
		SB3	--	--	--	--	--	--	1	--	--
		SB4	--	--	--	--	--	--	1	--	--
		SB5	1	--	--	--	1	--	1	1	1
		SB6	--	--	--	--	--	--	--	--	--
		SB7	--	--	--	--	--	1	--	--	1
		SB8	--	--	--	--	--	--	--	--	--
		SB9	--	--	--	1	--	--	--	1	1
		SB10	--	--	--	--	--	--	1	--	--
		SUB-TOTALS	1	--	--	1	1	2	5	2	4
	CTH TA & TAYLOR FRONTAGE ROAD	SB1	--	1	--	--	--	--	--	1	1
		SB2	--	--	--	--	--	1	--	--	1
		SB3	--	--	1	--	--	--	--	1	1
		SB4	--	--	--	--	--	--	--	--	--
		SB5	--	--	--	--	--	--	--	--	--
		SUB-TOTALS	--	1	1	--	--	1	--	2	3
		TOTALS	1	1	1	1	1	3	5	4	7

UTILITY LINE OPENING (ULO)

CATEGORY	INTERSECTION	SB NO.	STATION	LOCATION	SPV.0060.07 UTILITY LINE OPENING (ULO) EACH
0040	CTH TA & NEW JERSEY AVENUE	SB1	169+03.12	88.3' RT	--
		SB2	168+42.97	83.4' RT	--
		SB3	168+15.79	62.4' RT	--
		SB4	168+15.86	3.5' LT	--
		SB5	168+15.56	51.9' LT	1
		SB6	168+39.62	59.2' LT	--
		SB7	169+03.92	56.5' LT	--
		SB8	169+36.57	43.1' LT	--
		SB9	169+30.44	52.3' RT	1
		SB10	169+14.50	70.0' RT	--
			SUB-TOTALS		2
	CTH TA & TAYLOR FRONTAGE ROAD	SB1	183+94.11	46.3' RT	1
		SB2	183+25.97	44.4' RT	--
		SB3	183+22.70	43.0' LT	1
		SB4	183+76.20	42.5' LT	--
		SB5	184+11.05	42.8' LT	--
		CB 1	184+35.40	73.7' RT	--
			SUB-TOTALS		2
			TOTALS		4

MAINTAIN TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0060.12 EACH	SPV.0060.13 EACH	SPV.0060.14 EACH	SPV.0060.15 EACH
0010	CTH TA & UNION AVENUE	1	--	--	--
	CTH TA & INDIANA AVENUE	--	1	--	--
	CTH TA & ERIE AVENUE	--	--	1	--
	CTH TA & MEIJER DRIVEWAY	--	--	--	1
	TOTAL	1	1	1	1

SALVAGE AND REINSTALL TRAFFIC SIGNAL CONTROLLER AND CABINET

CATEGORY	LOCATION	SPV.0060.16 EA
0010	CTH TA & TAYLOR FRONTAGE ROAD	1

REMOVE TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0060.08 EACH	SPV.0060.09 EACH
0010	CTH TA & NEW JERSEY AVENUE	1	--
	CTH TA & TAYLOR FRONTAGE ROAD	--	1
	TOTAL	1	1

SALVAGE AND REINSTALL VIDEO DETECTION SYSTEM

CATEGORY	LOCATION	SPV.0060.17 EACH	SPV.0060.18 EACH
0010	CTH TA & NEW JERSEY AVENUE	1	--
	CTH TA & TAYLOR FRONTAGE ROAD	--	1
	TOTAL	1	1

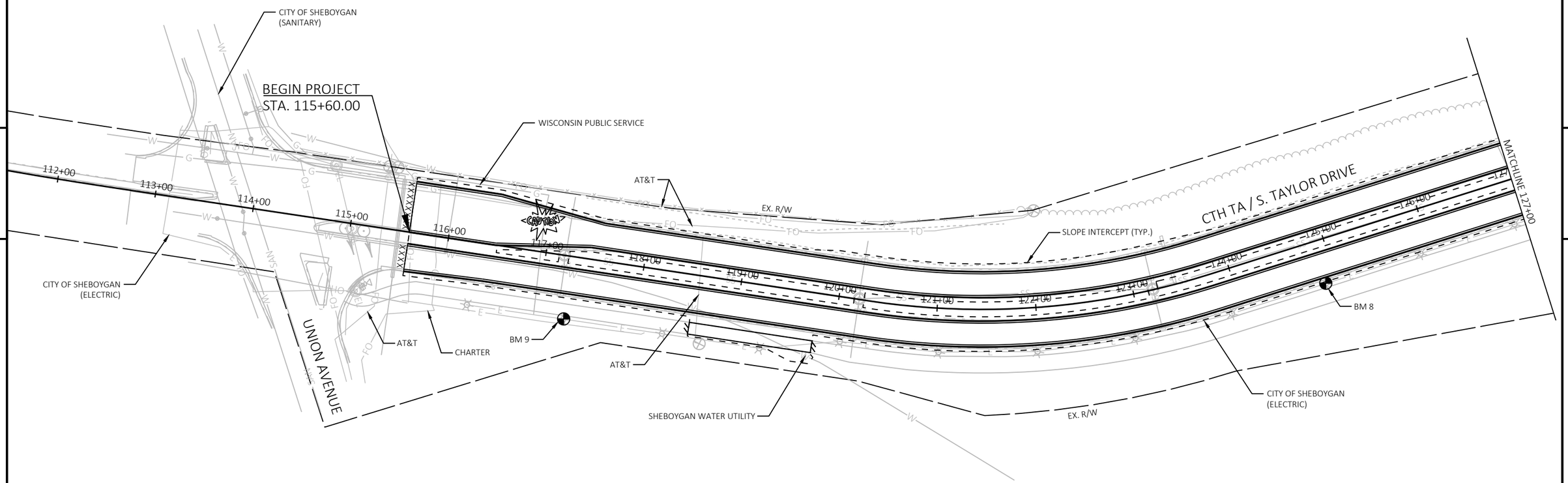
EMERGENCY VEHICLE PREEMPTION SYSTEM

CATEGORY	LOCATION	SPV.0060.10 EACH	SPV.0060.11 EACH
0010	CTH TA & NEW JERSEY AVENUE	1	--
	CTH TA & TAYLOR FRONTAGE ROAD	--	1
	TOTAL	1	1

MAINTAIN EXISTING TRAFFIC SIGNAL CABINET

CATEGORY	LOCATION	SPV.0060.19 EA
0010	CTH TA & NEW JERSEY AVENUE	1

BENCHMARK DATA TABLE						
BM NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
8	124+88.96	44.00' RT	CHISELED SQUARE	170,710.19	209,331.33	649.94
9	117+27.45	63.88' RT	CHISELED SQUARE	169,963.41	209,133.30	668.41

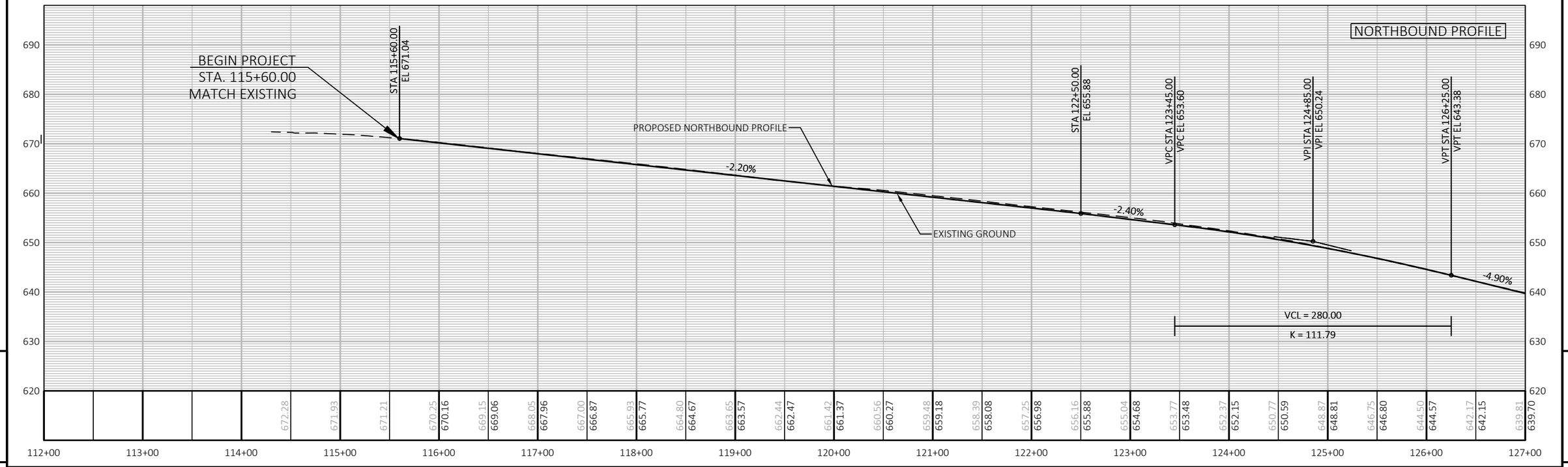


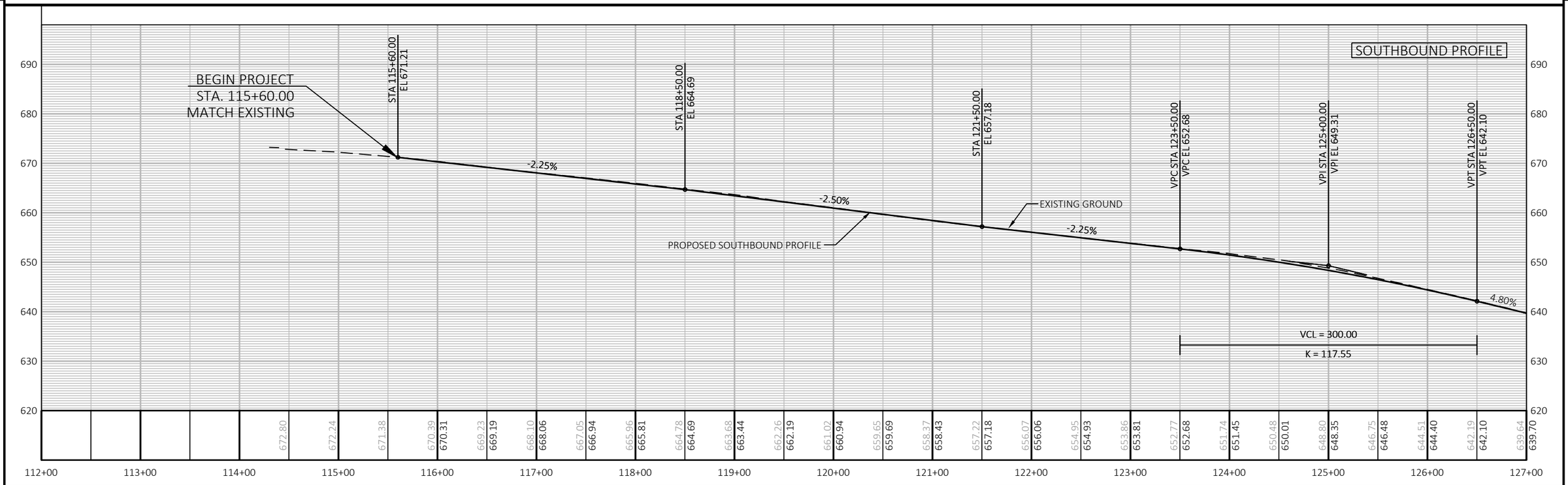
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 194	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050101_pp

PLOT DATE : 8/28/2023 11:27 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





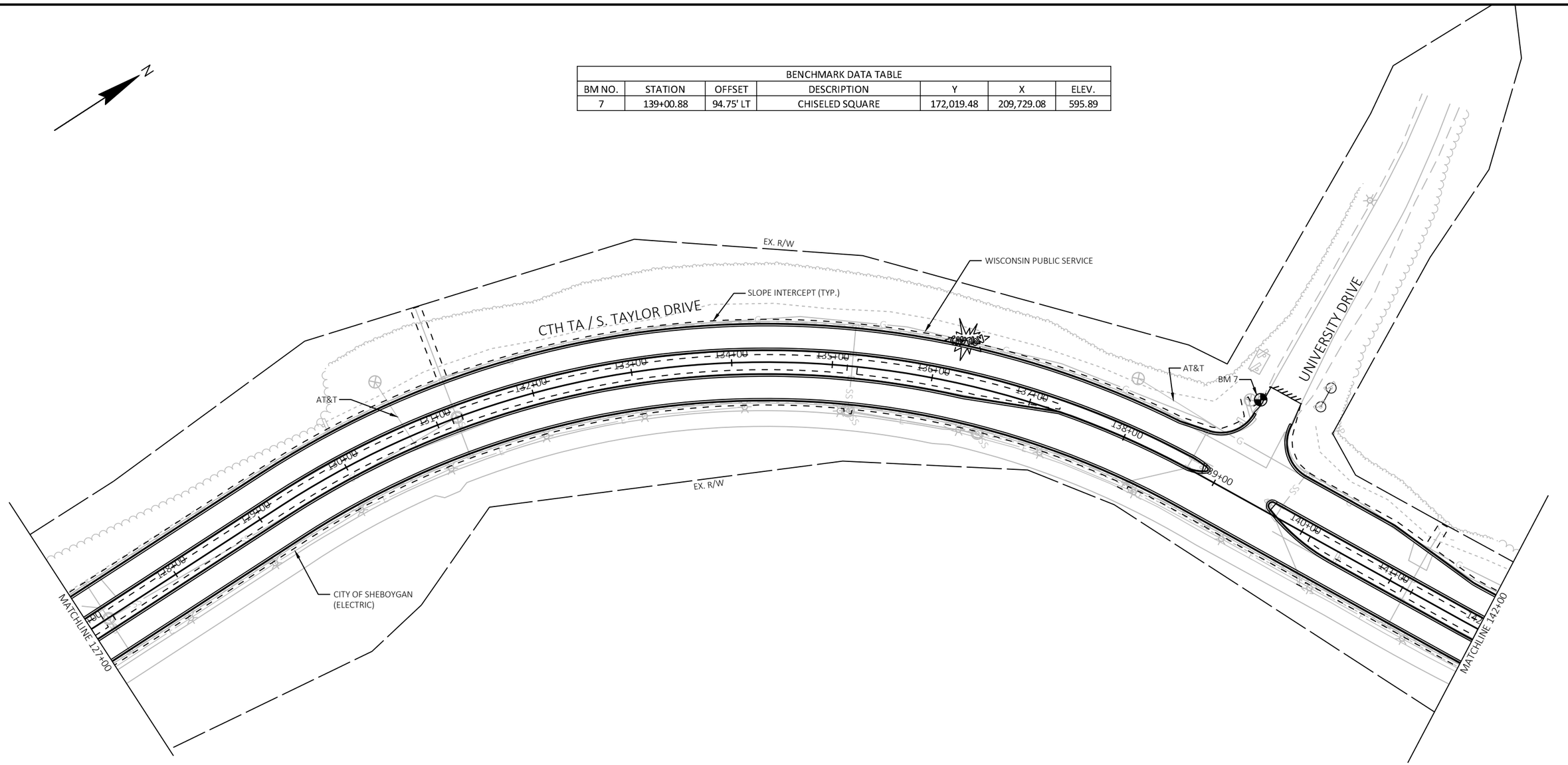
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 195	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050102_pp

PLOT DATE : 4/21/2023 11:21 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : ######

WISDOT/CADDS SHEET 44

BENCHMARK DATA TABLE						
BM NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
7	139+00.88	94.75' LT	CHISELED SQUARE	172,019.48	209,729.08	595.89

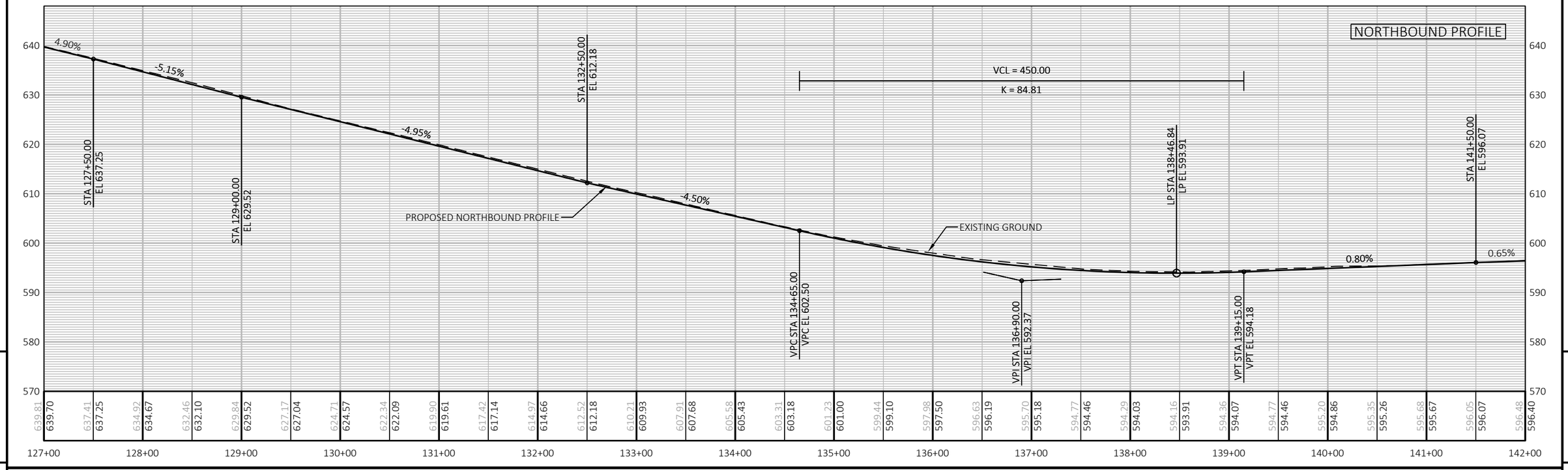


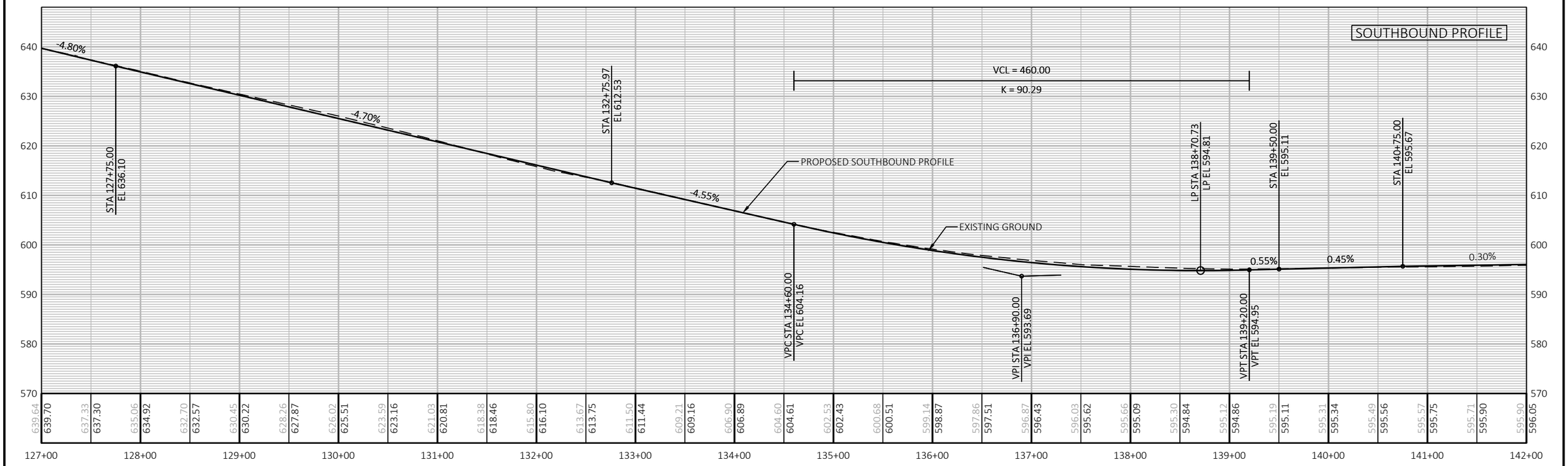
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 196	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050103_pp

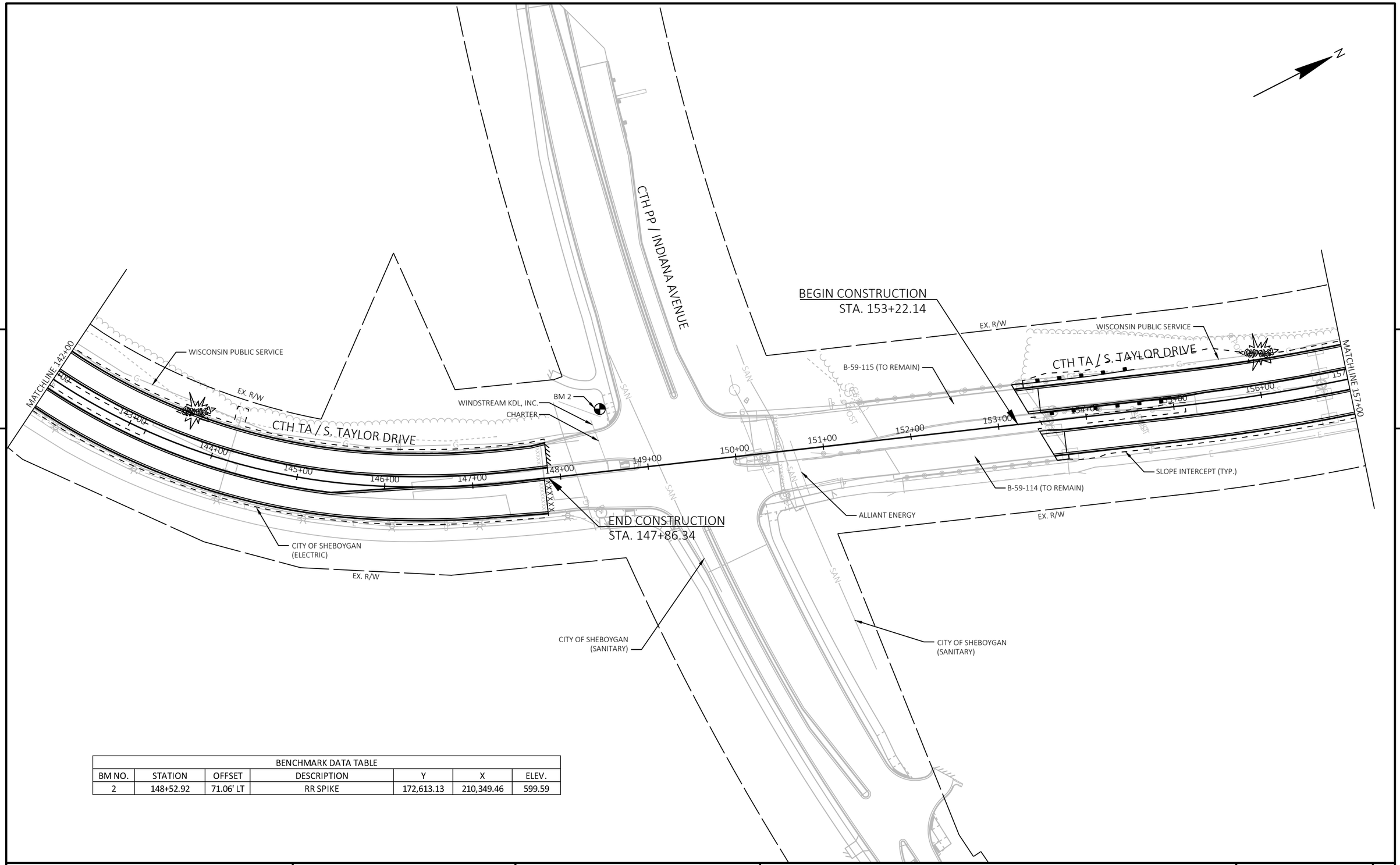
PLOT DATE : 8/28/2023 11:27 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





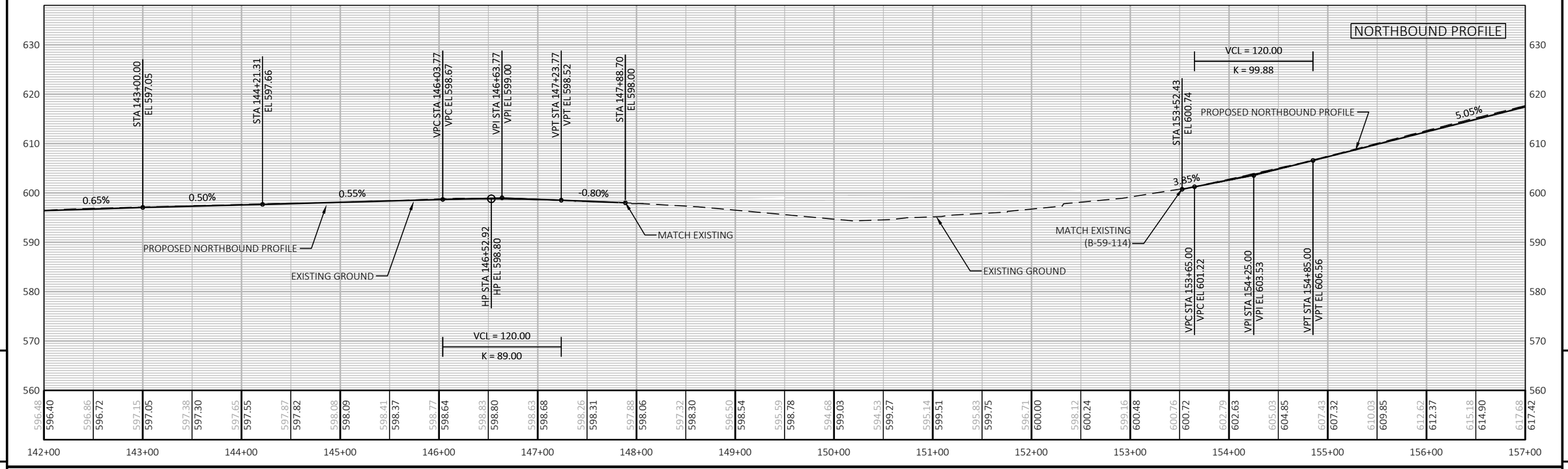
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 197 E

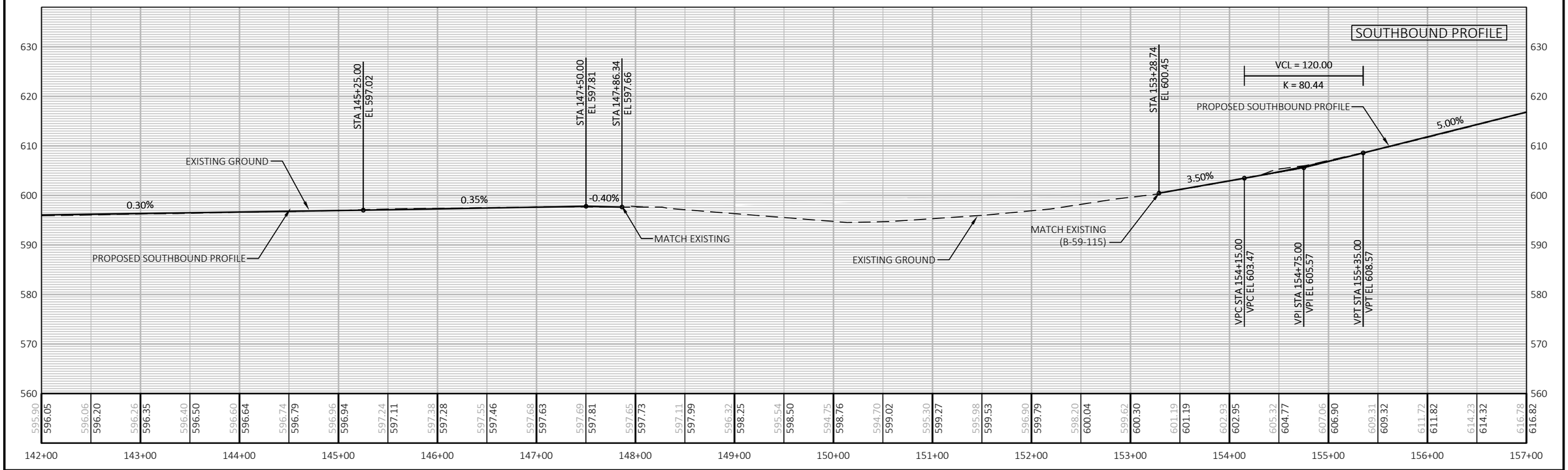


BENCHMARK DATA TABLE						
BM NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
2	148+52.92	71.06' LT	RR SPIKE	172,613.13	210,349.46	599.59

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 198 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050105_pp
PLOT DATE : 8/28/2023 11:27 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

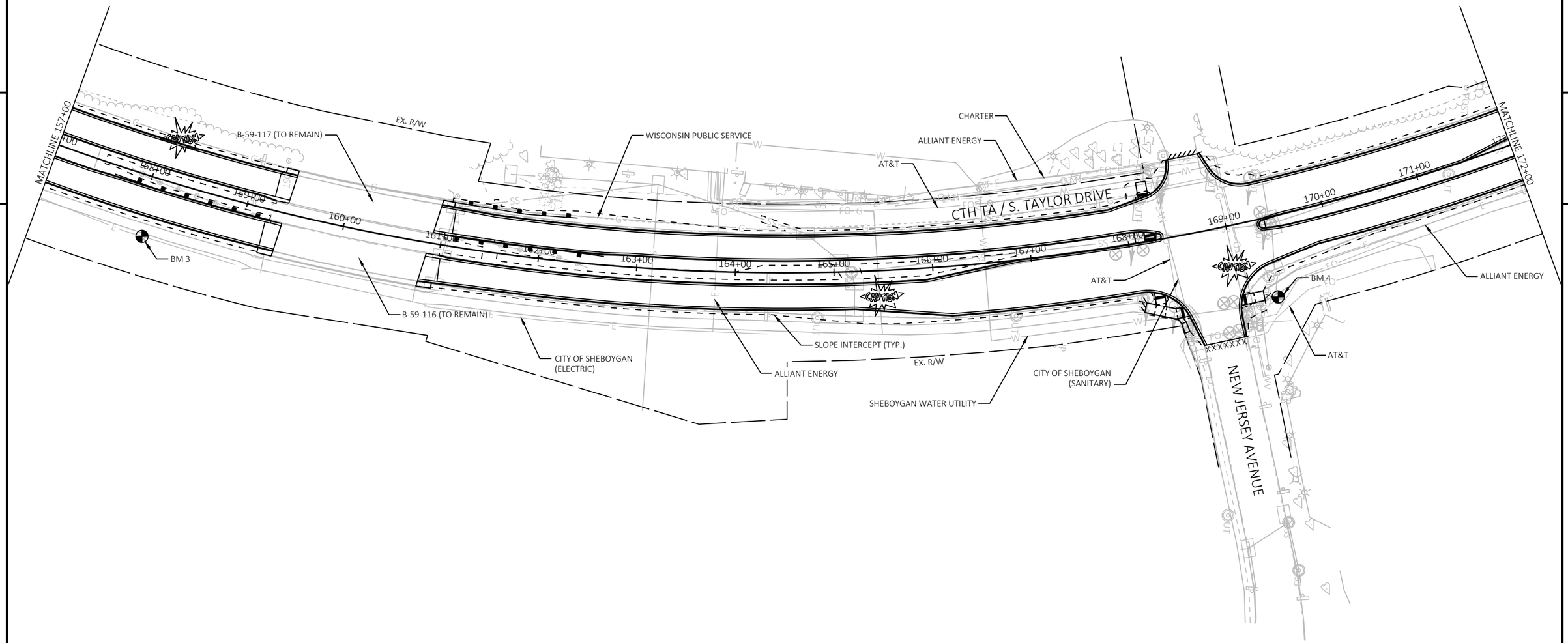




PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 199	E

BENCHMARK DATA TABLE						
BM NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
3	158+07.55	61.02' RT	CHISELED SQUARE	173,475.32	210,790.55	624.96
4	169+35.74	81.06' RT	CHISELED SQUARE	174,627.22	210,760.31	647.66

N

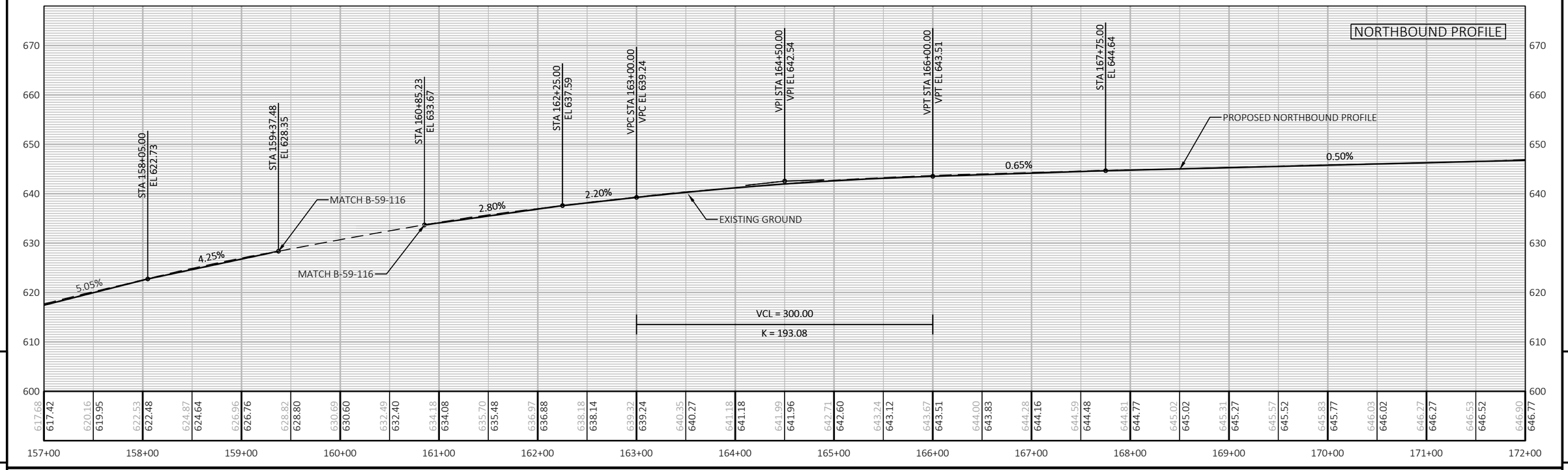


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 200	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050107_pp

PLOT DATE : 8/28/2023 11:27 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



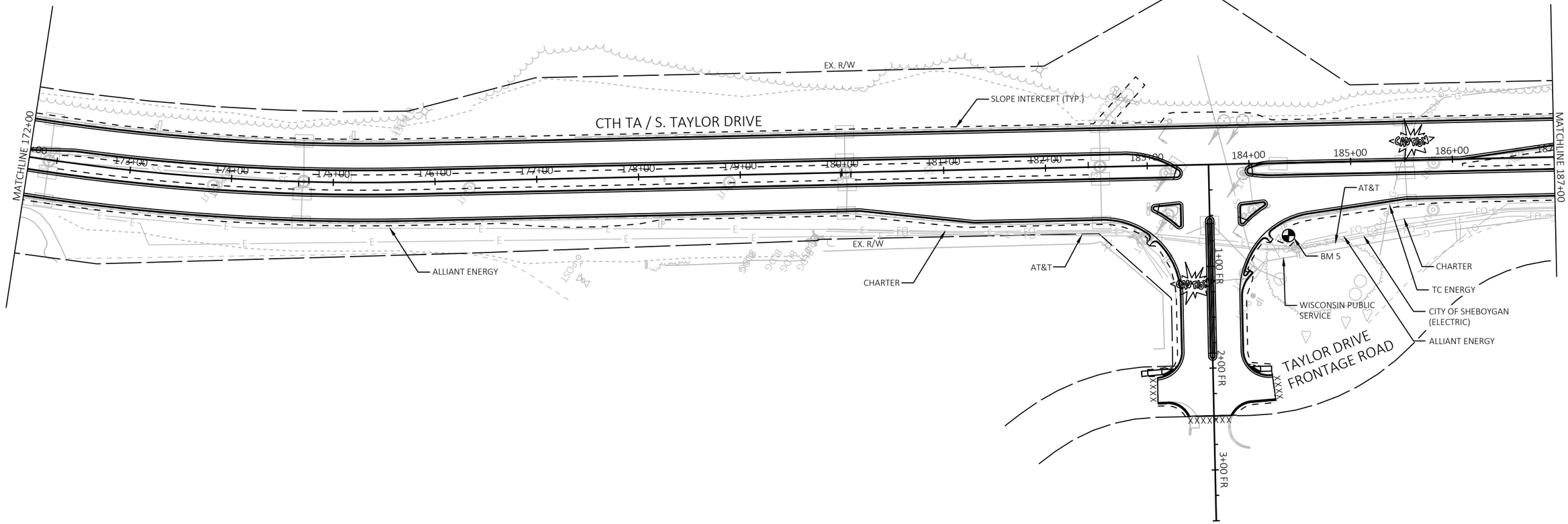
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 201	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050108_pp

PLOT DATE : 4/21/2023 11:22 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : ######

WISDOT/CADDS SHEET 44

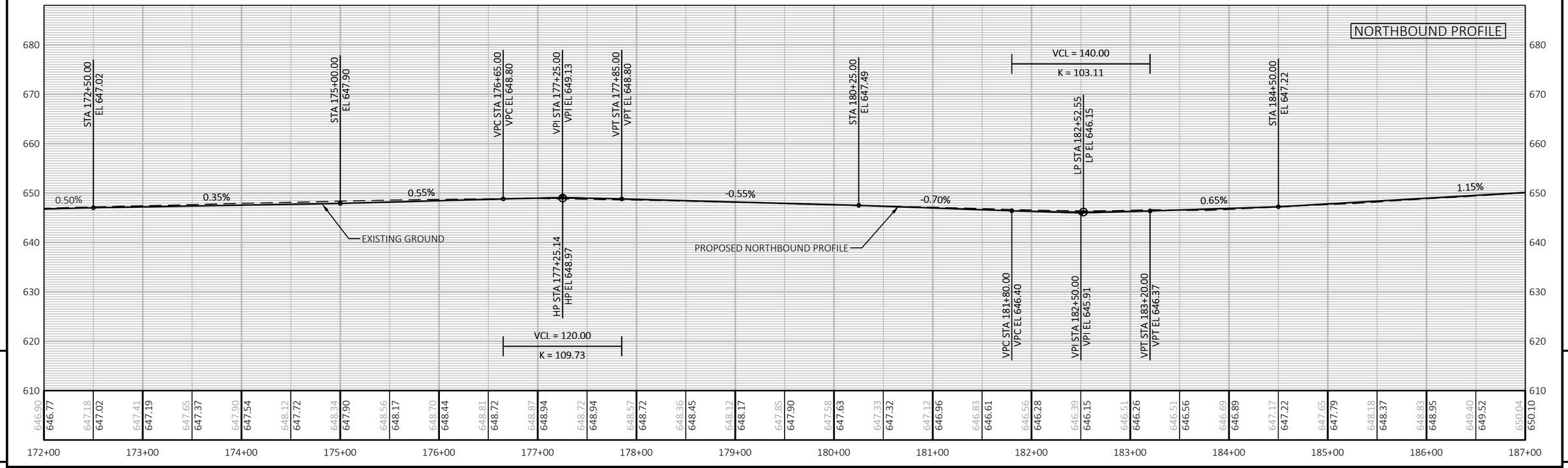
BENCHMARK DATA TABLE						
BM NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
5	184+37.38	71.50' RT	CHISELED SQUARE	175,925.95	209,973.25	647.37

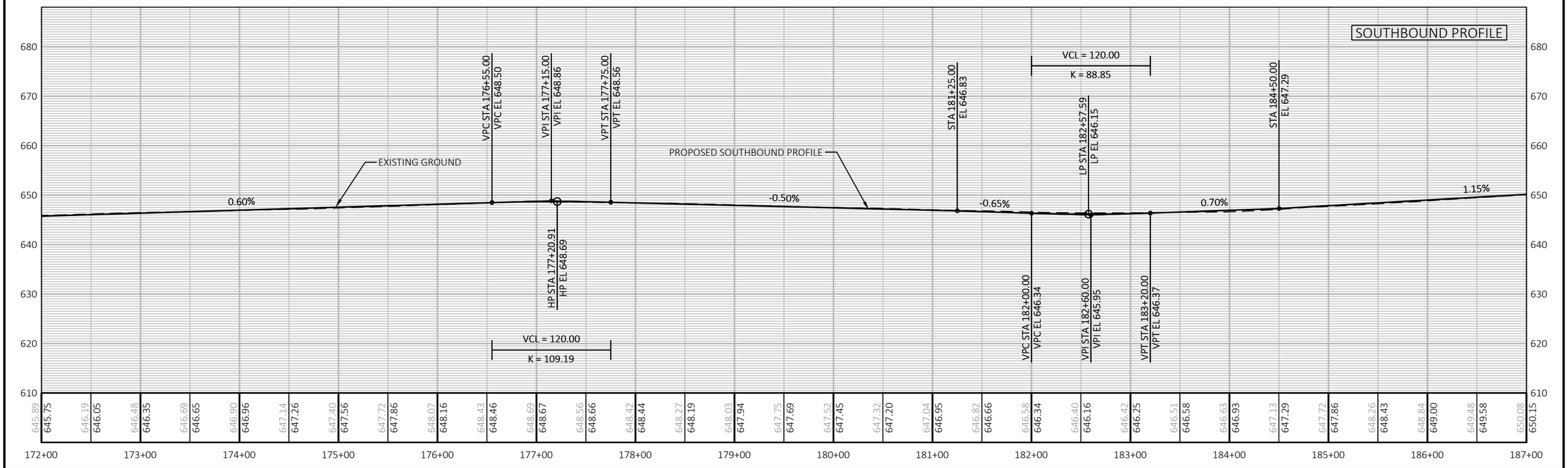


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 202	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050109_pp
PLOT DATE : 8/28/2023 11:27 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:100 FT

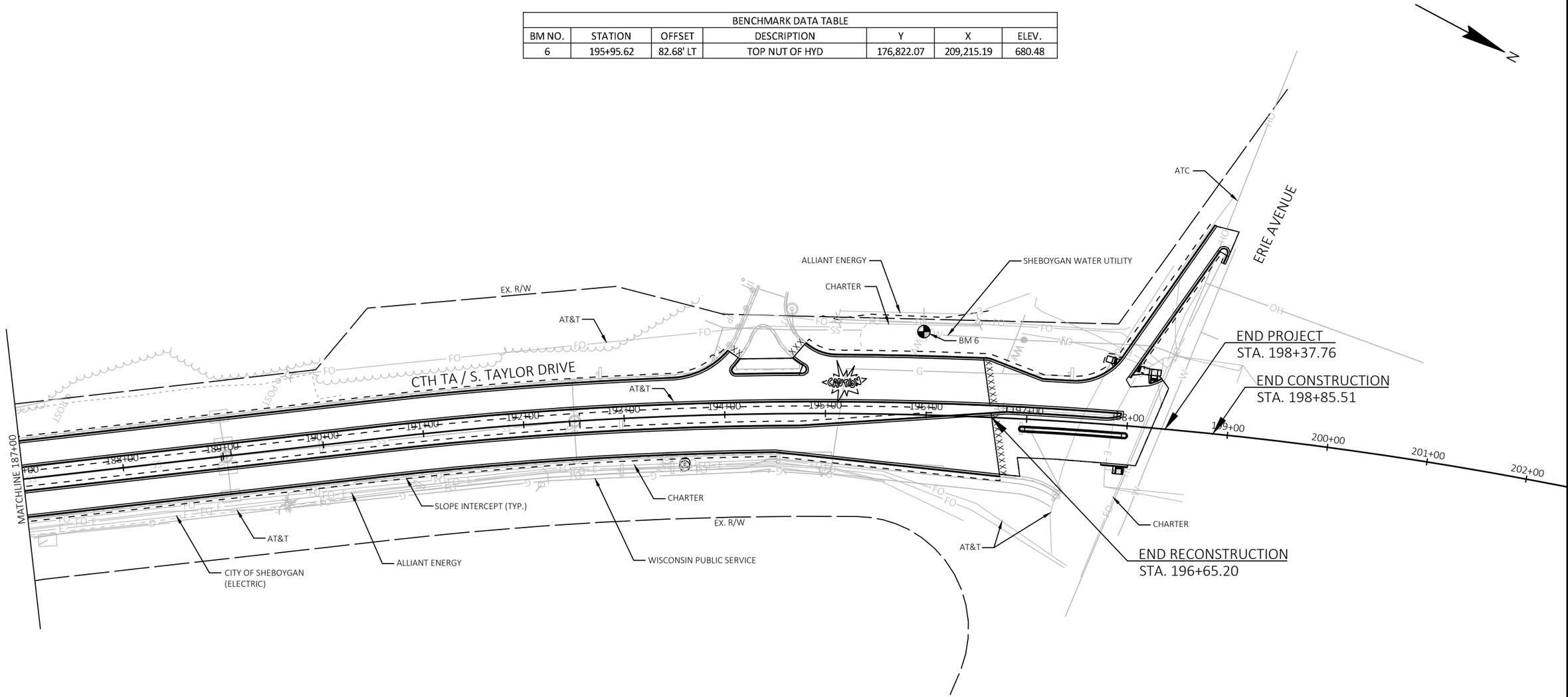
WISDOT/CADDS SHEET 44





PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 203	E

BENCHMARK DATA TABLE						
BM NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
6	195+95.62	82.68' LT	TOP NUT OF HYD	176,822.07	209,215.19	680.48

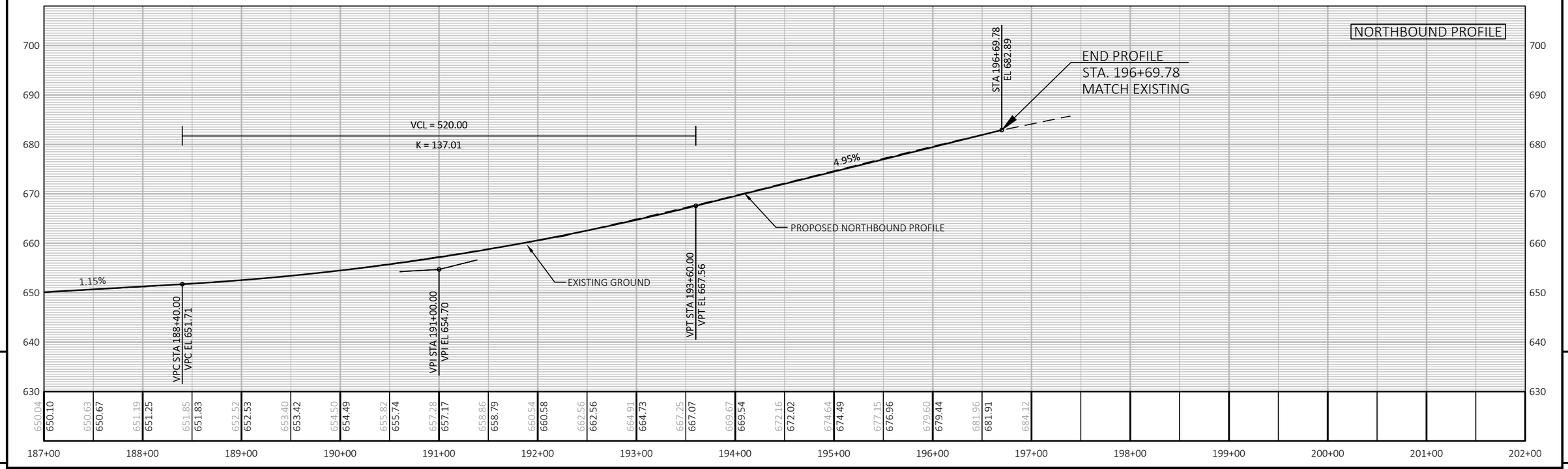


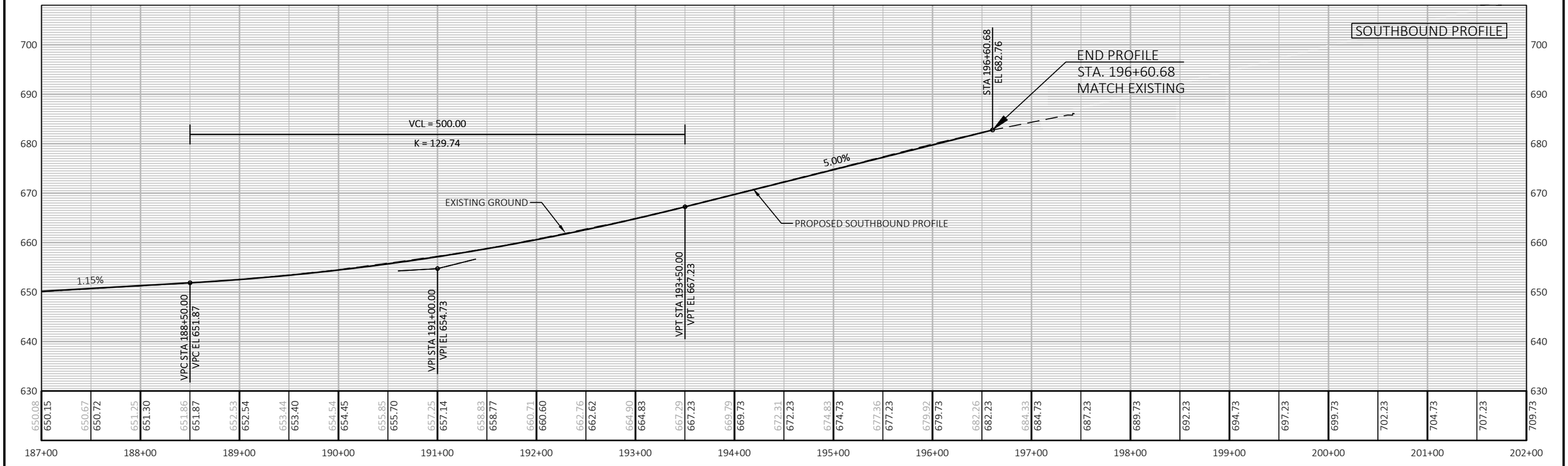
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 204	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050111_pp

PLOT DATE : 8/28/2023 11:27 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





5

5

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: CTH TA / S. TAYLOR DRIVE	SHEET 205	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050112_pp

PLOT DATE : 4/21/2023 11:22 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : ######

5

TRANSCANADA PIPELINE COMPANY

ALLIANT ENERGY

CITY OF SHEBOYGAN (ELECTRIC)

AT&T

CHARTER

WISCONSIN PUBLIC SERVICE

CTH TA / S. TAYLOR DRIVE

EX. R/W

185+00

184+00

183+00

182+00

SLOPE INTERCEPT (TYP.)

TAYLOR DRIVE
FRONTAGE ROAD

1+00 FR

2+00 FR

3+00 FR

END CONSTRUCTION
STA. 2+46.72 FR

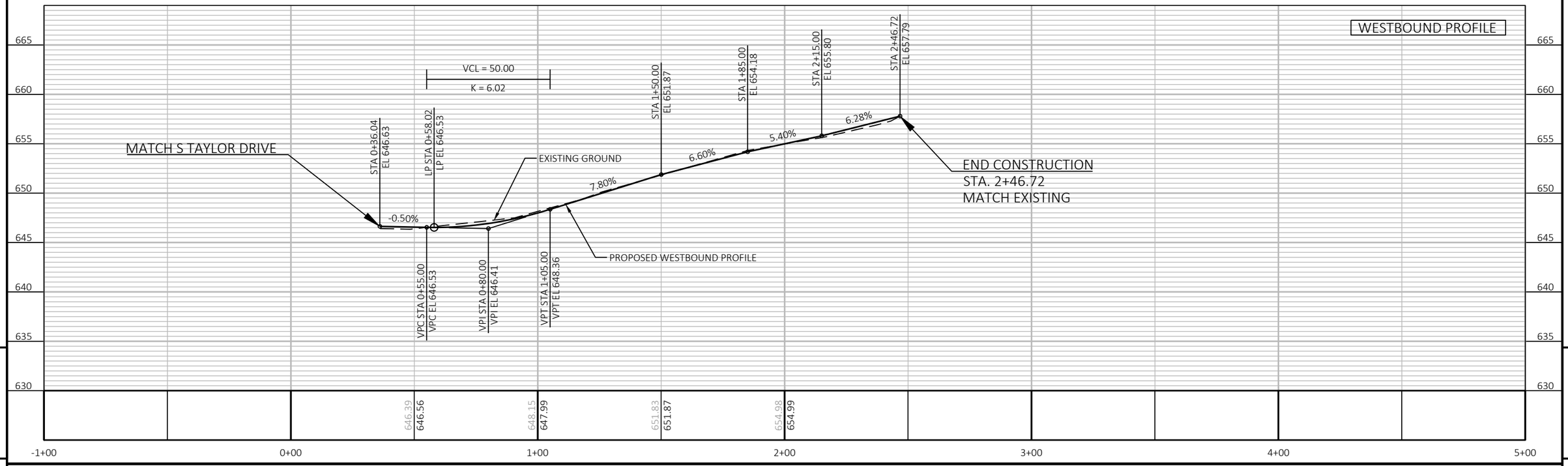
AT&T

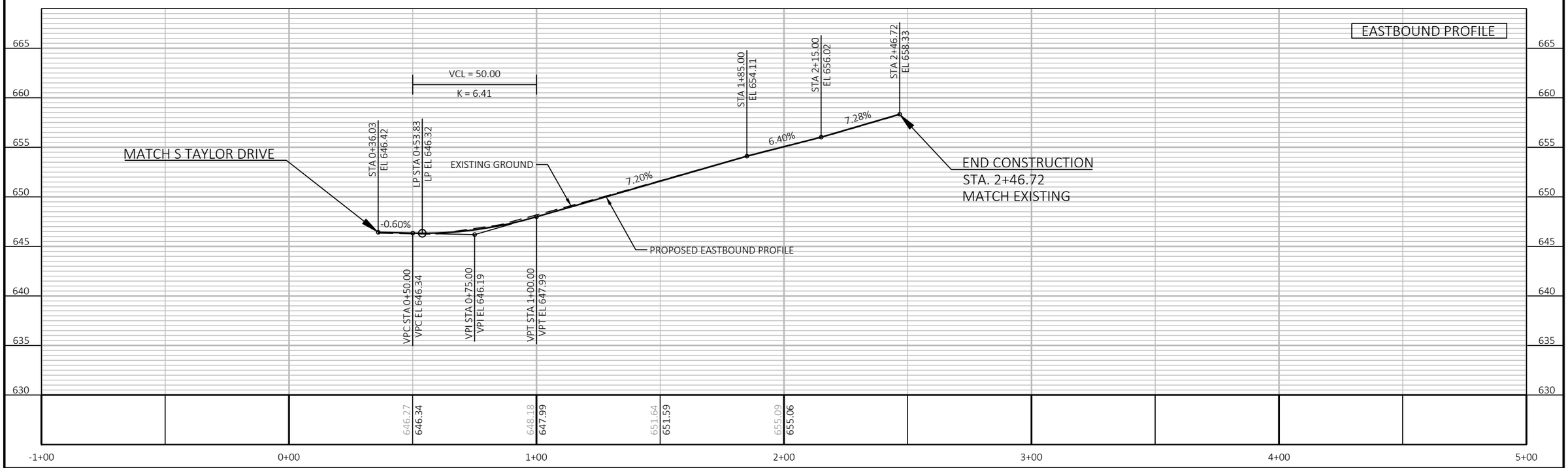
ALLIANT ENERGY

CHARTER

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: TAYLOR DRIVE FRONTAGE ROAD	SHEET 206	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 050113_pp
PLOT DATE : 8/28/2023 11:27 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	PLAN AND PROFILE: TAYLOR DRIVE FRONTAGE ROAD	SHEET 207	E

Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
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
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
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
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
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C12-09A	CONCRETE BASE TYPE 13
09C12-09B	CONCRETE BASE TYPE 13
09C13-03	CONCRETE BASE TYPE 10 & TYPE 13 EXTENSION
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09C16-01	CONCRETE BASE TYPE 10 SPECIAL EXTENSION
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E05-06	TRAFFIC SIGNAL STANDARD ORNAMENTAL BRACKET MOUNTINGS TYPICAL FOR 13 FT. OR 15 FT.
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-09E	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-09F	TYPE 10 SPECIAL POLE 35' MONOTUBE ARM
09E08-09G	TYPE 10 SPECIAL POLE 40' MONOTUBE ARM
09E08-09H	TYPE 10 SPECIAL POLE 45' MONOTUBE ARM
09E08-09J	TYPE 13 POLE 35'-55' MONOTBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C19-03	HMA LONGITUDINAL JOINTS
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16J	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16K	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16L	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

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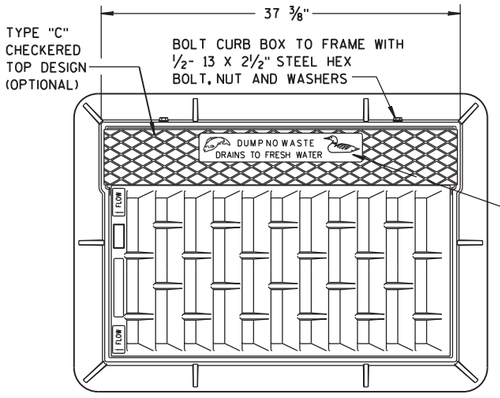
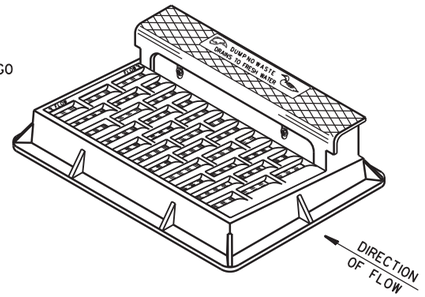
Standard Detail Drawing List

14B07-16M	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16N	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D11-09	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D12-11A	TRAFFIC CONTROL, LANE CLOSURE
15D20-07A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

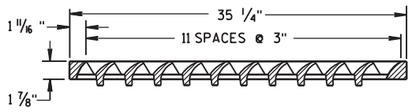
6

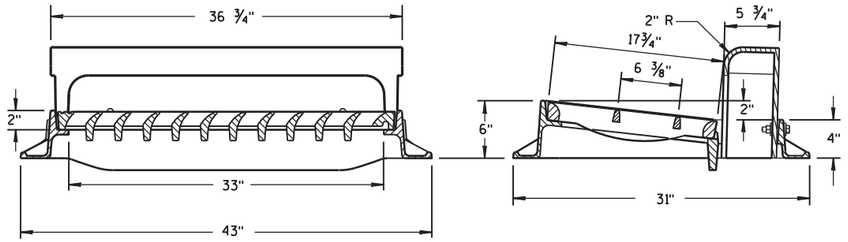


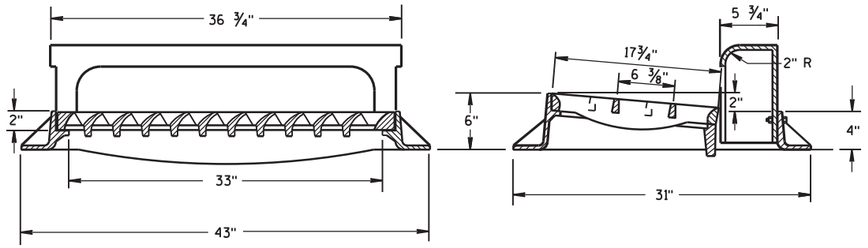
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

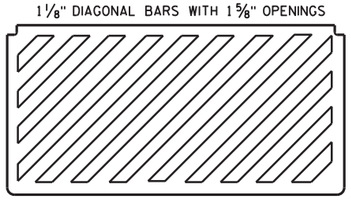






TYPE "H"

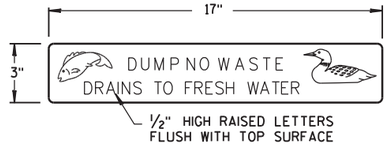
NOTE: EITHER CASTING IS ACCEPTABLE



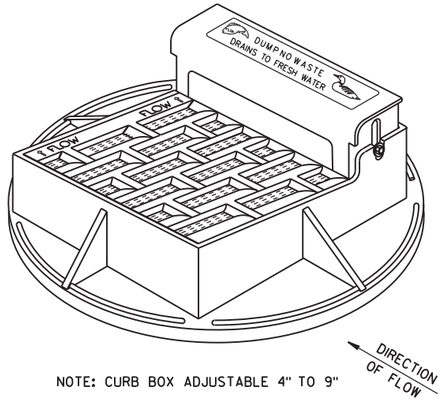
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

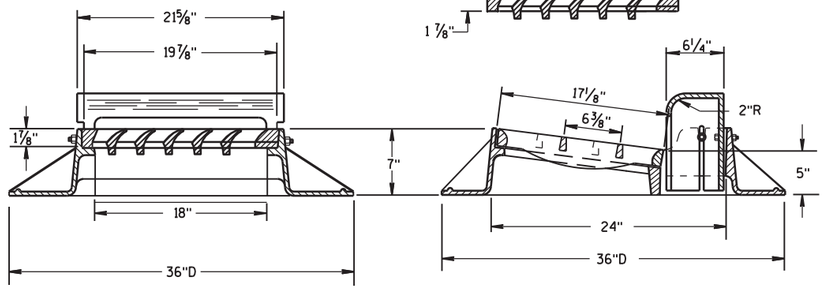


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



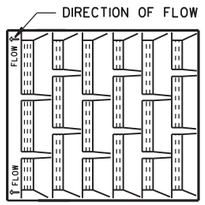
TYPE "A"

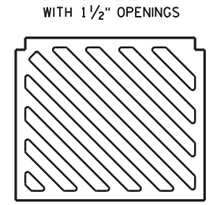
GENERAL NOTES

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.

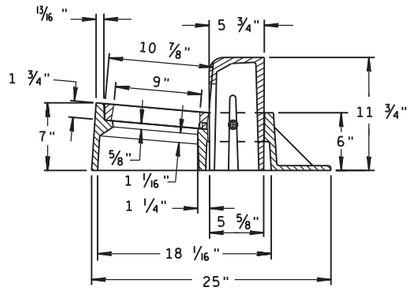


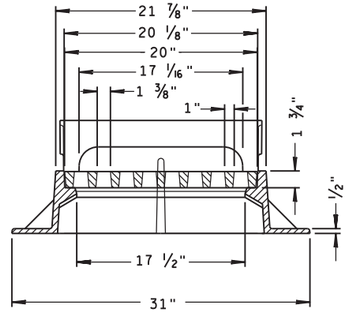


SPECIAL GRATE FOR TYPE "A" COVER

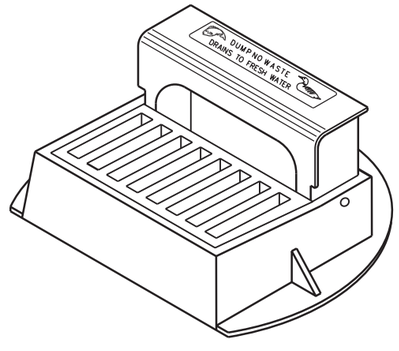
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



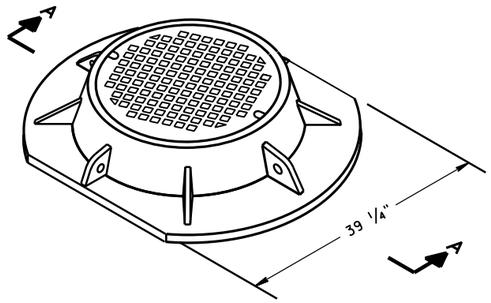
INLET COVERS TYPE A, H, A-S, H-S & Z

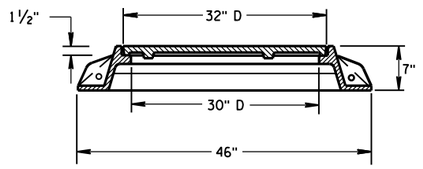
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

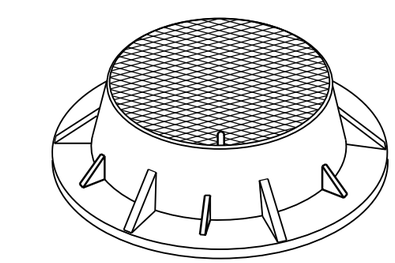
6

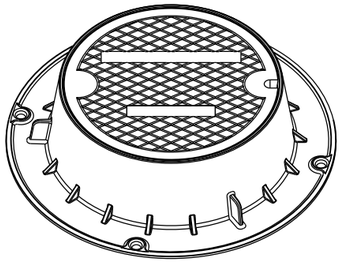
S.D.D. 8 A 5-19a

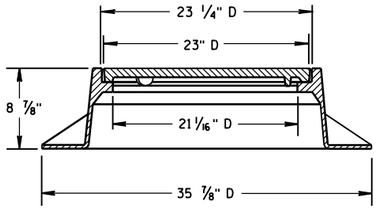


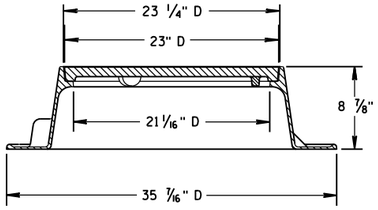


SECTION A-A
TYPE "K"









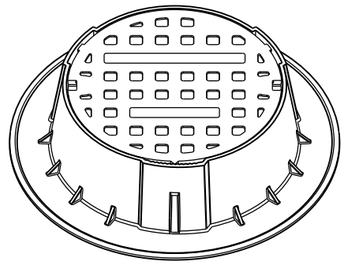
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

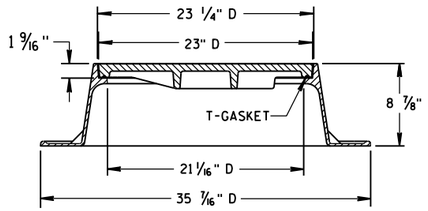
GENERAL NOTES

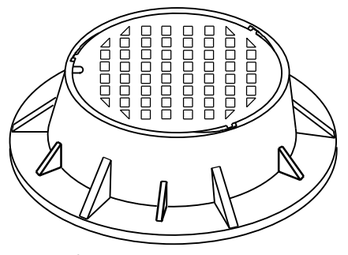
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

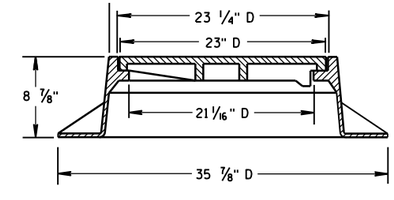
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

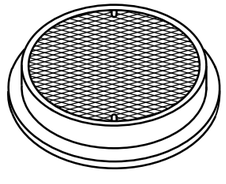


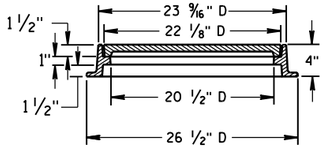




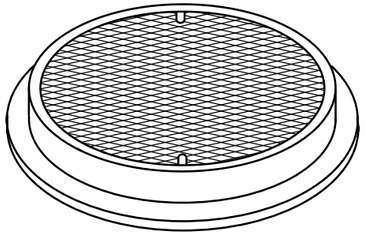


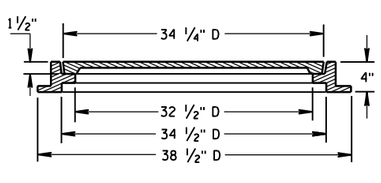
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



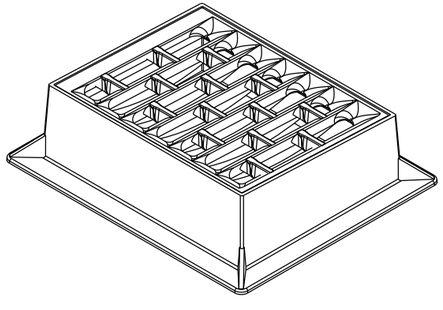


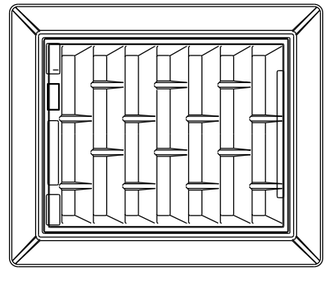
TYPE "L"

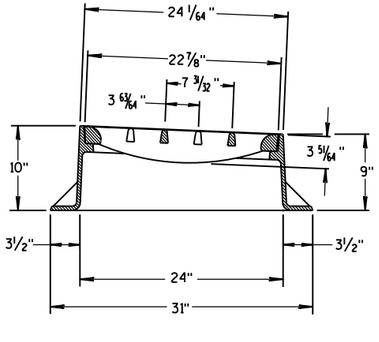


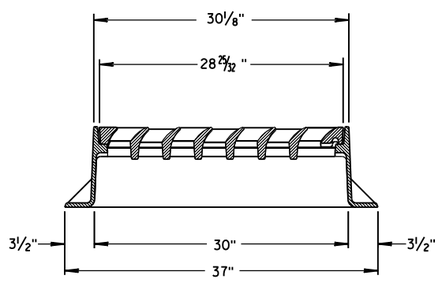


TYPE "M"









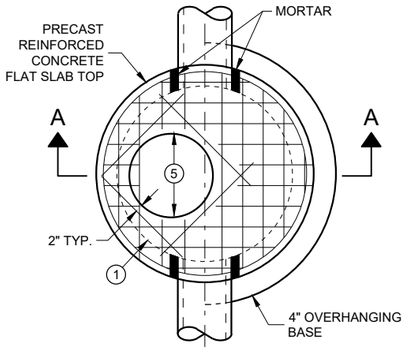
INLET COVER TYPE "BW"

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

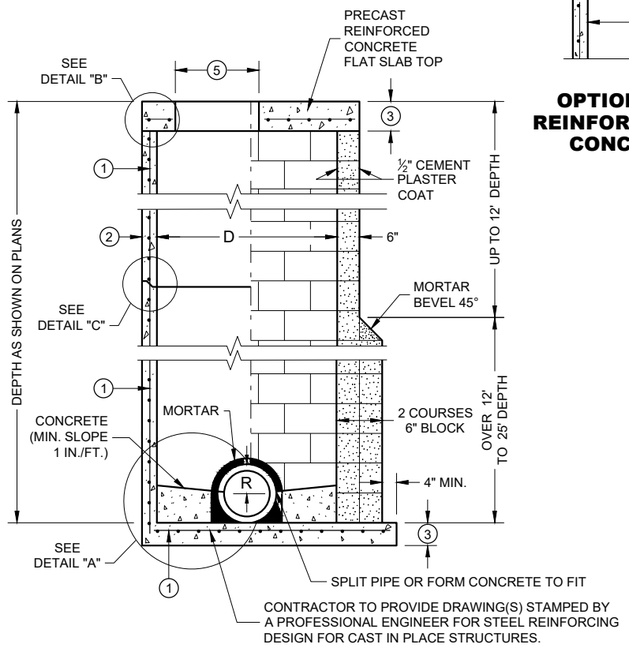
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6
S.D.D. 8 A 5-19d



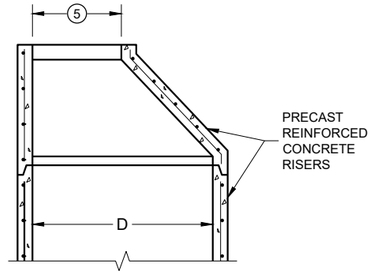
PLAN VIEW
CIRCULAR OPENING



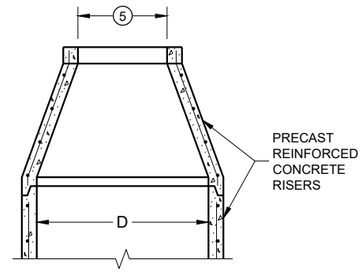
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

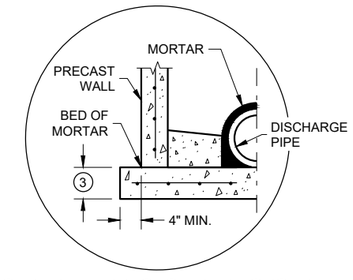
MANHOLE COVER OPENING MATRIX

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

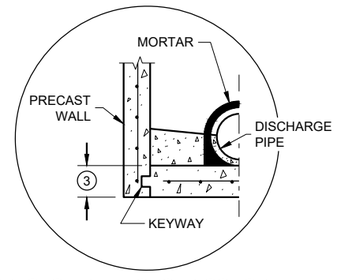
PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES.
SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

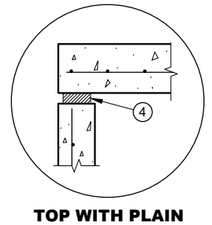


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

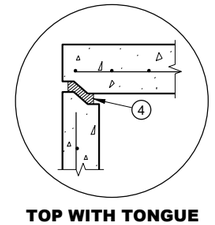


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

DETAIL "A"

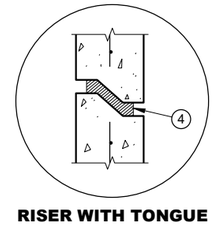


TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

DETAIL "B"



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "C"

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

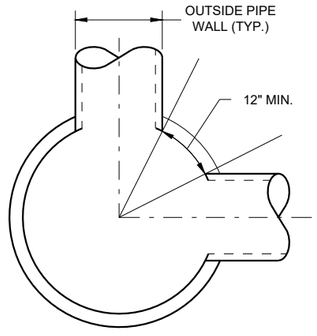
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

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

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

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

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

6

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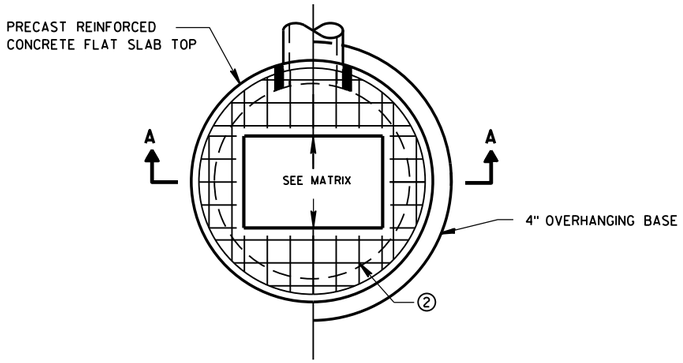
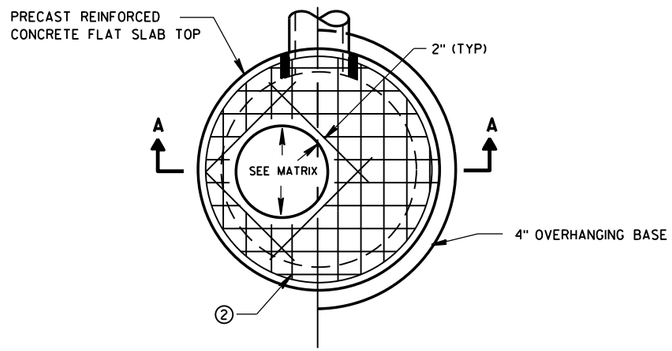
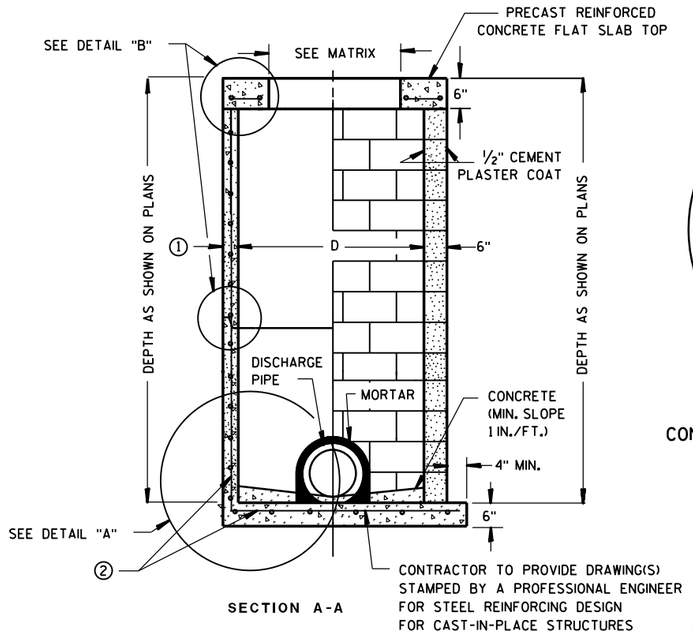


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

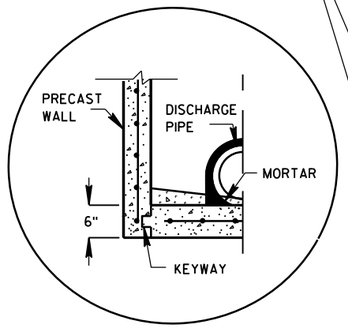


SECTION A-A

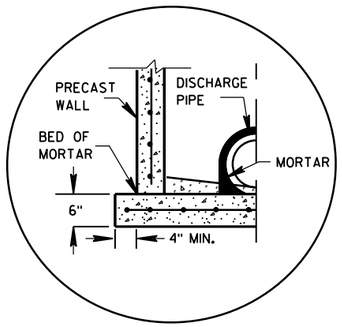
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

CIRCULAR INLETS W/ FLAT TOP

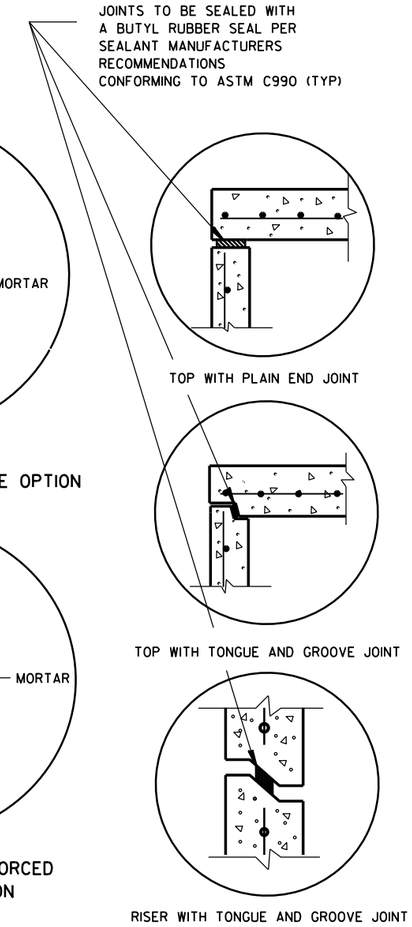


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

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

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

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

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

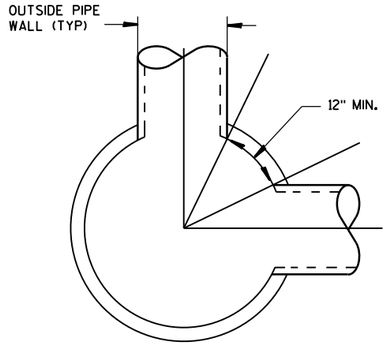
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

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

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS | ENT UNIT SUPERVI
FHWA

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S.D.D. 8 C 6-2

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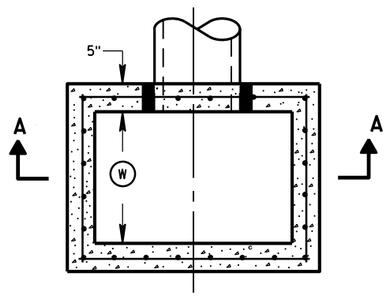
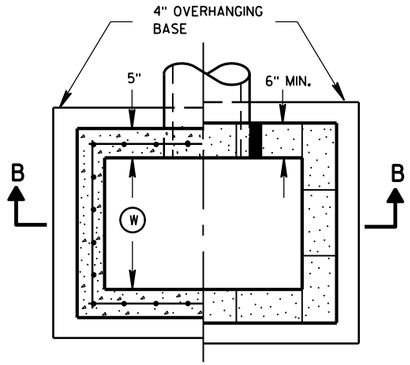
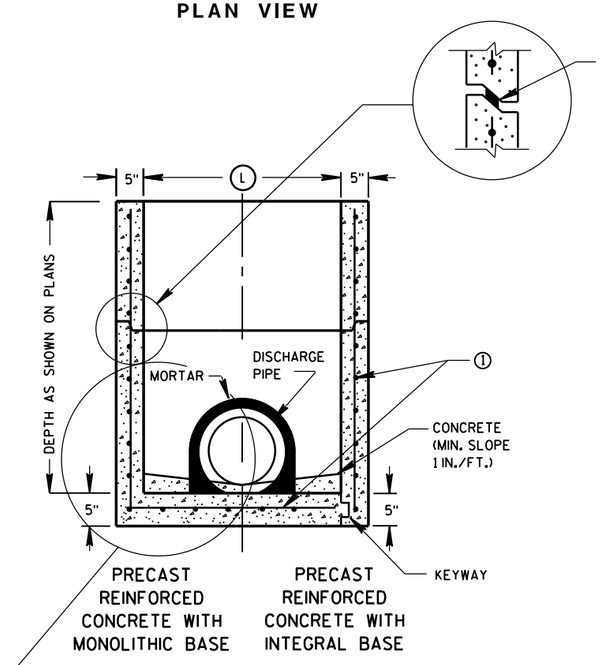
INLETS 3-FT AND 4-FT DIAMETER



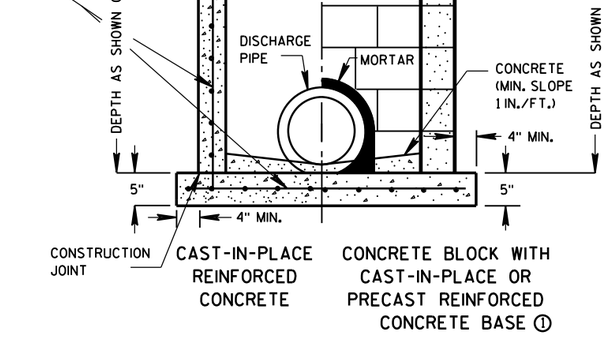
PLAN VIEW



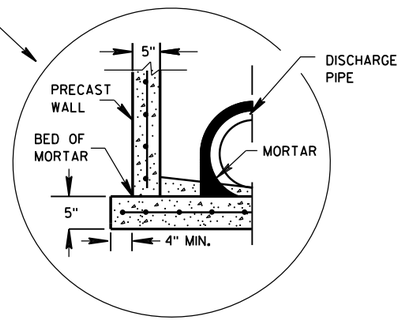
PLAN VIEW



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.

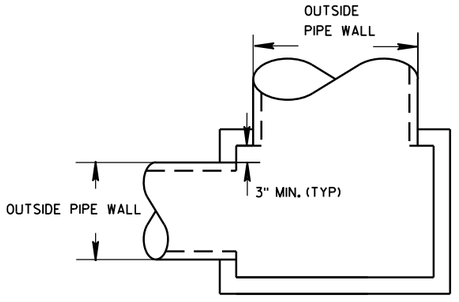
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



DETAIL "A"

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

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

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S.D.D. 8 C 7-2

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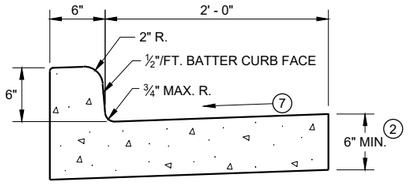
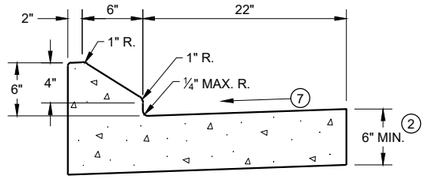
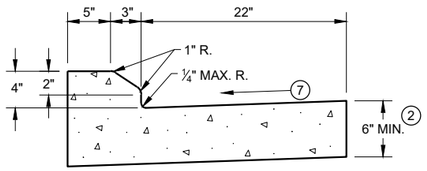
S.D.D. 8 C 7-2



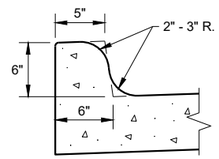
TYPES A (1) & D



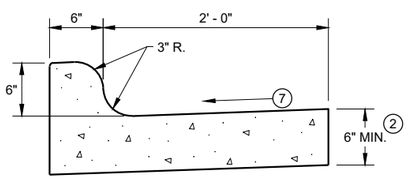
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

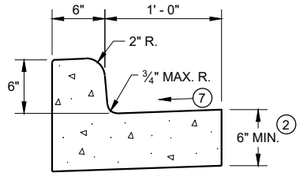


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



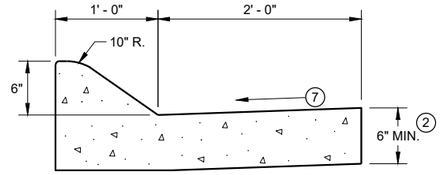
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

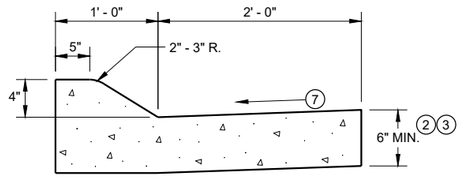


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

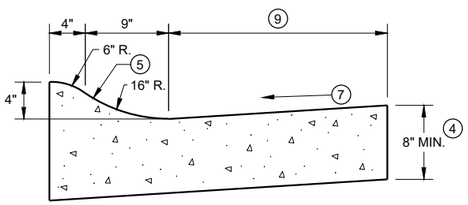


6" SLOPED CURB TYPES A (1) & D



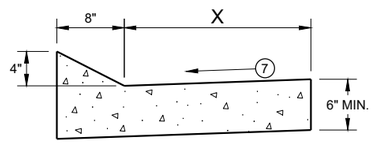
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

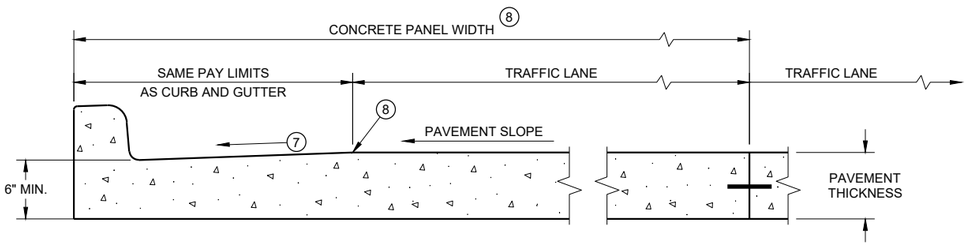


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

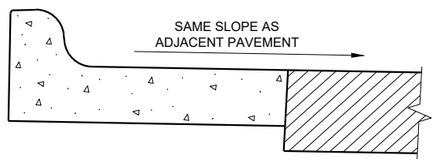
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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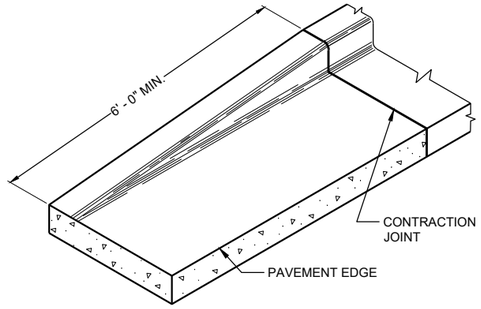
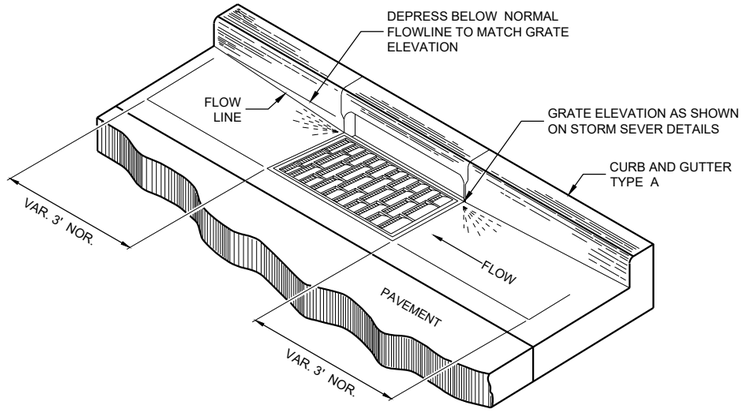
SDD 08D01 - 23a



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.

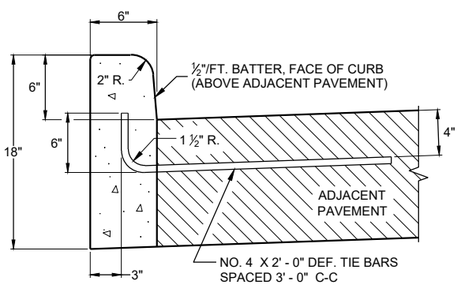
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

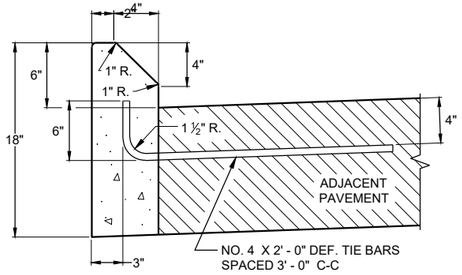
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

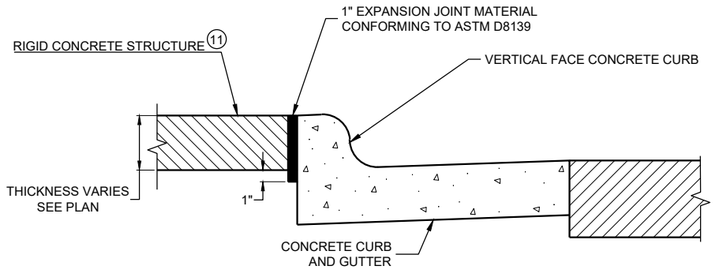


TYPES A (1) & D

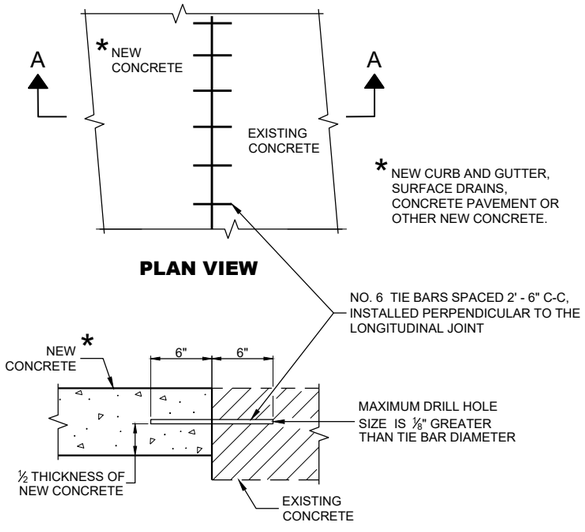


TYPES G (1) & J

CONCRETE CURB



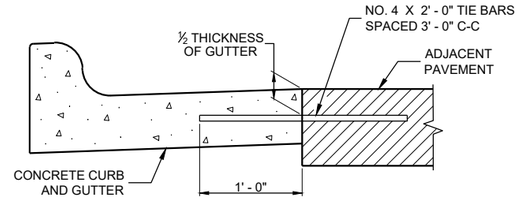
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



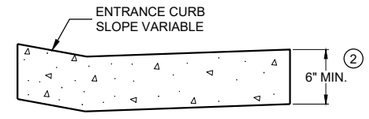
PLAN VIEW

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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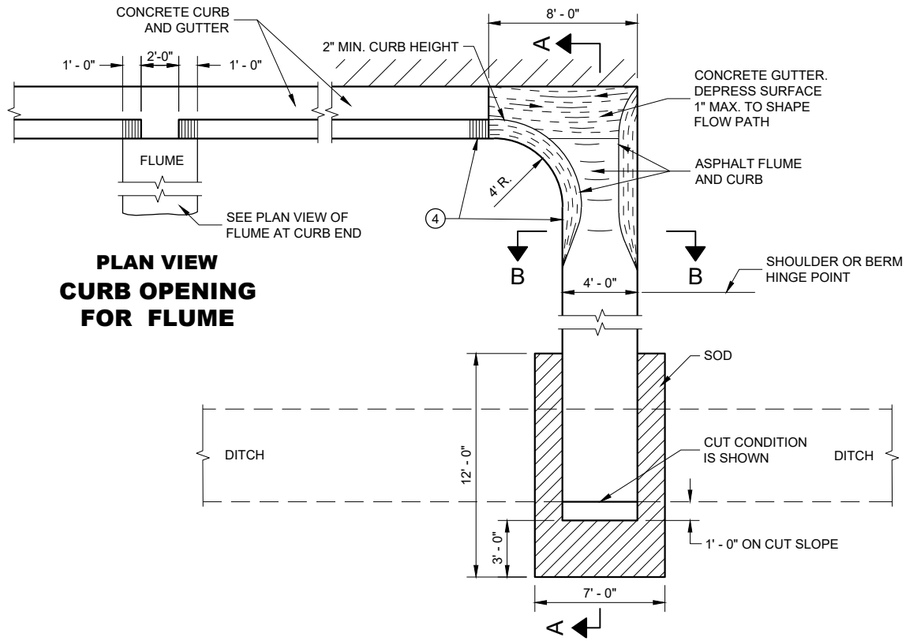
SDD08D01 - 23b

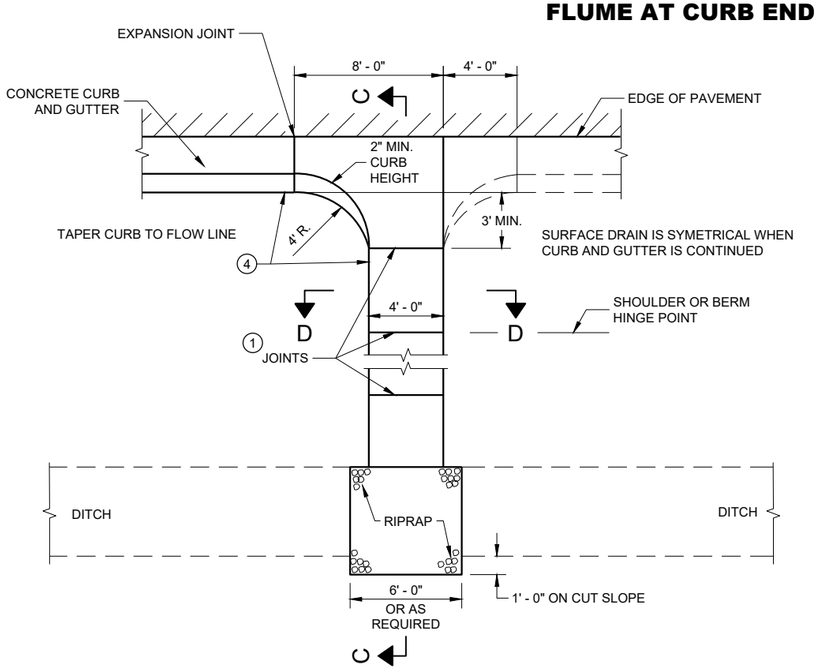
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



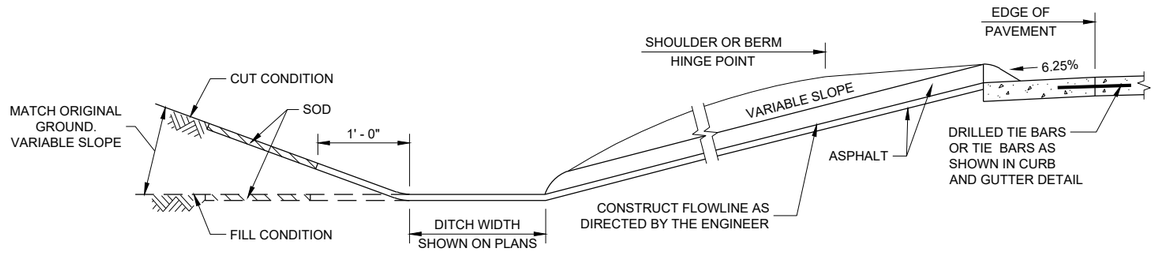
PLAN VIEW
CONCRETE SURFACE DRAIN

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.

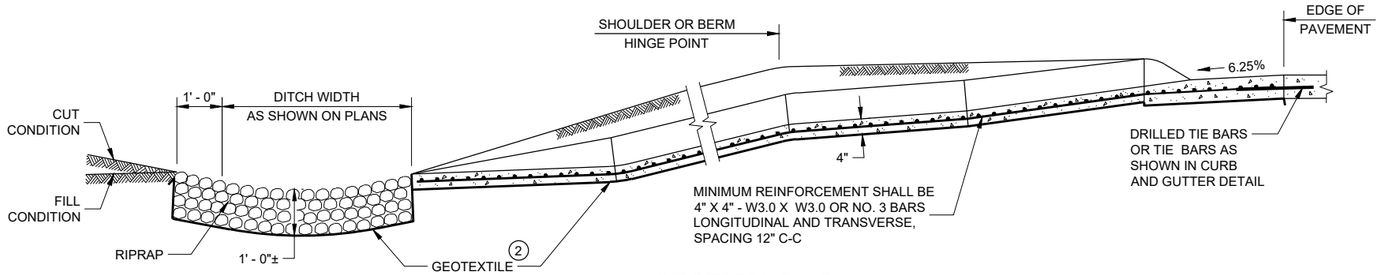
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

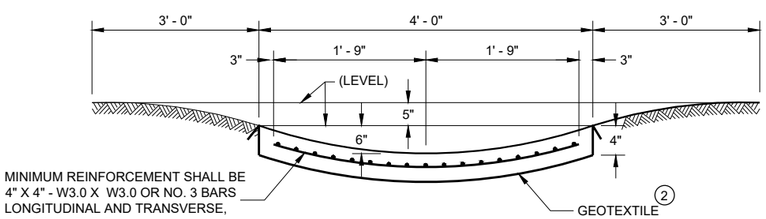


SECTION A - A

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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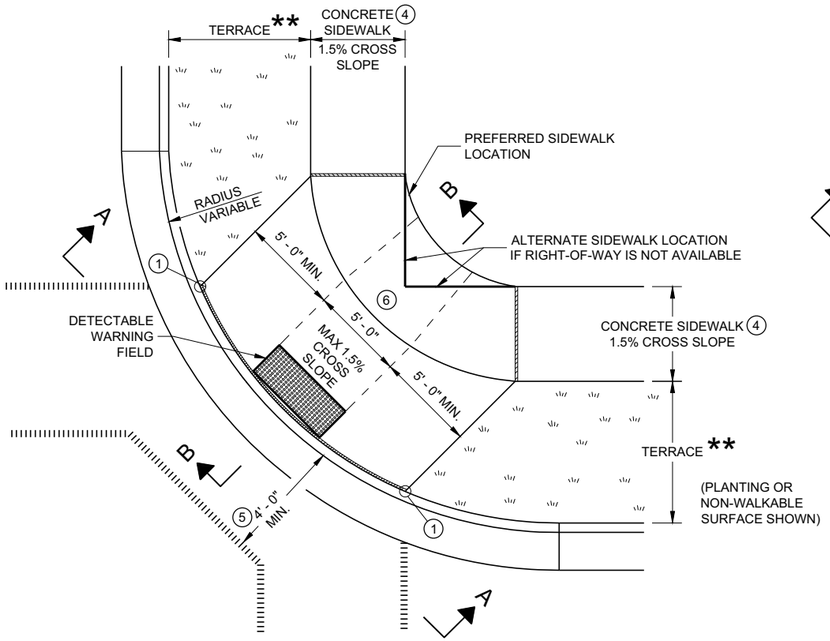
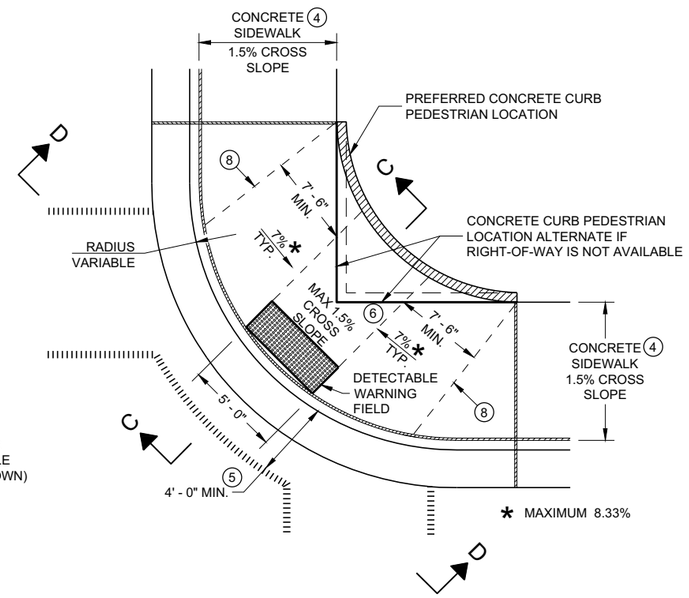
SDD 08D04 - 07



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.

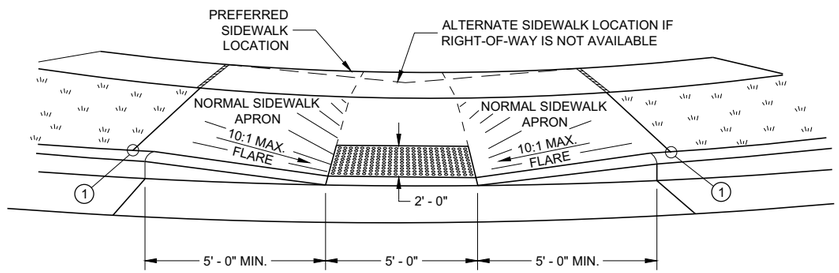
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

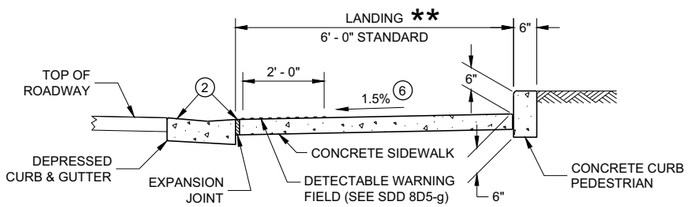
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(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

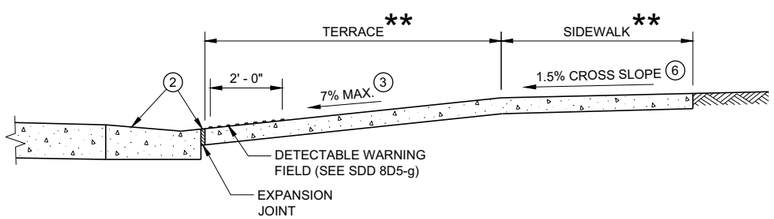


SECTION C - C FOR TYPE 1 - A

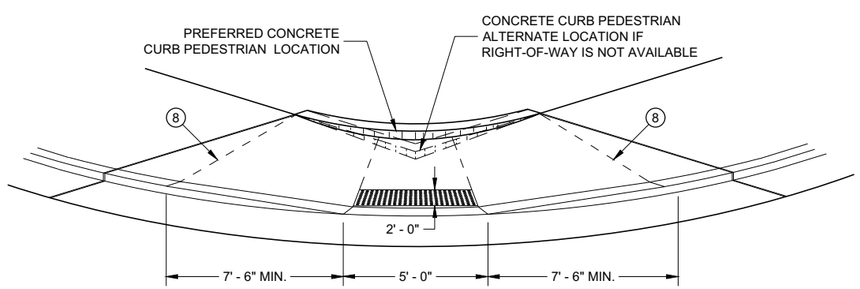
LEGEND

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

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



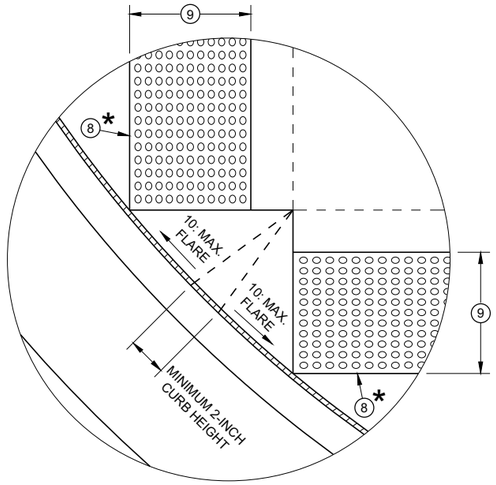
VIEW D - D FOR TYPE 1 - A

CURB RAMPS
TYPE 1 AND 1-A

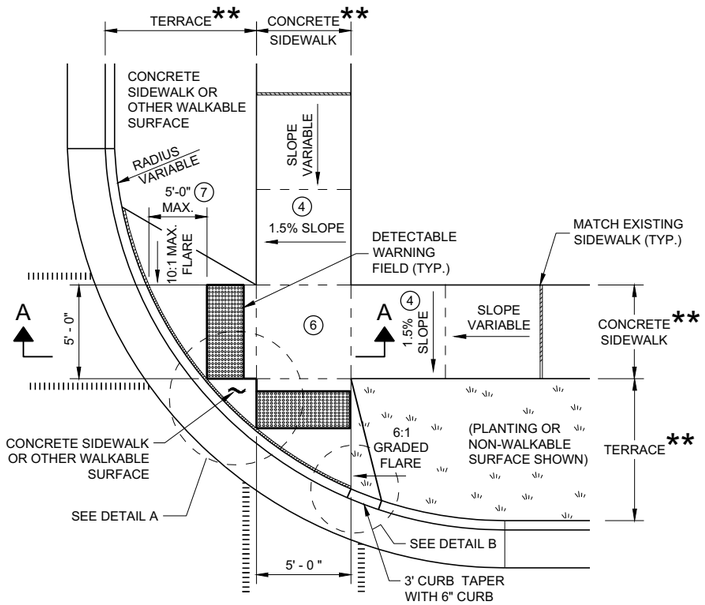
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20a

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.

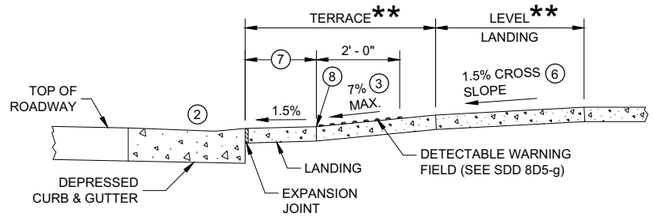
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

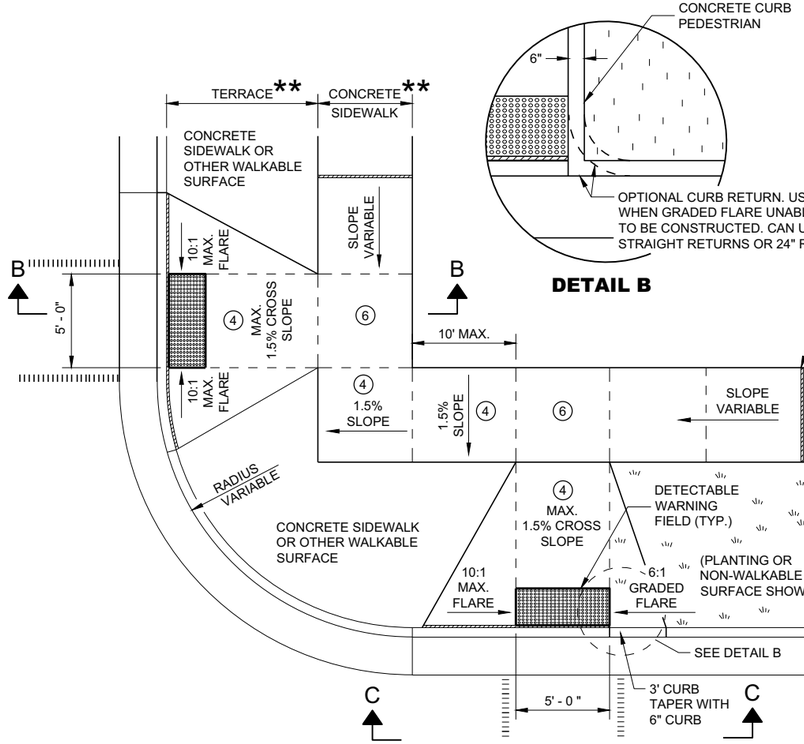
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

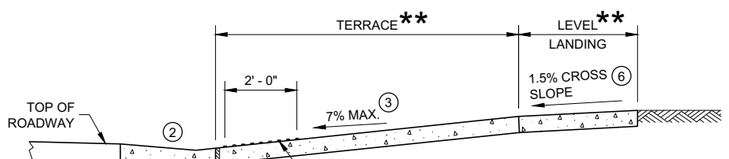
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

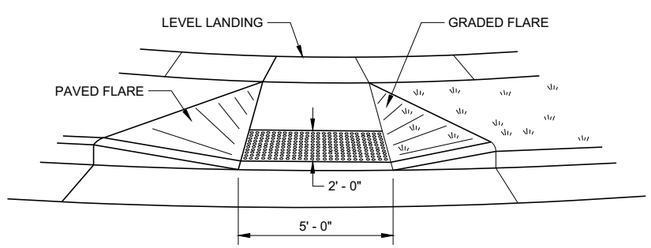


DETAIL B

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

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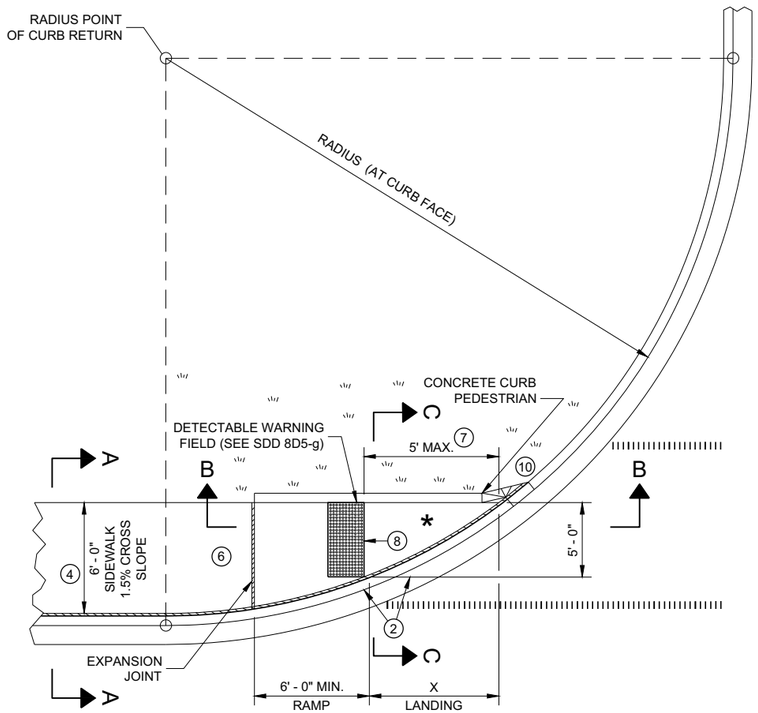
SDD 08D05 - 20b

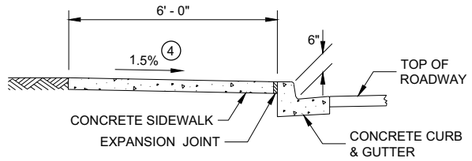


PLAN VIEW

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.

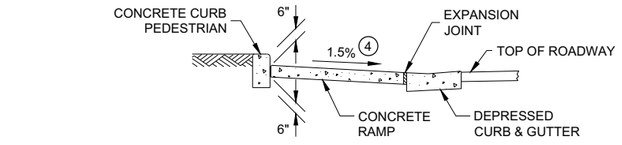
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

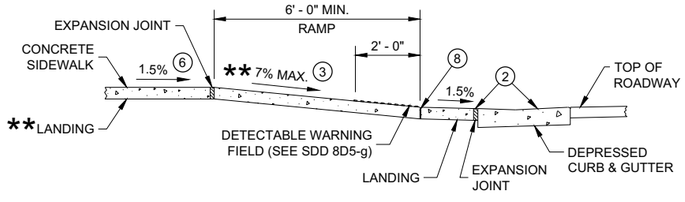
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



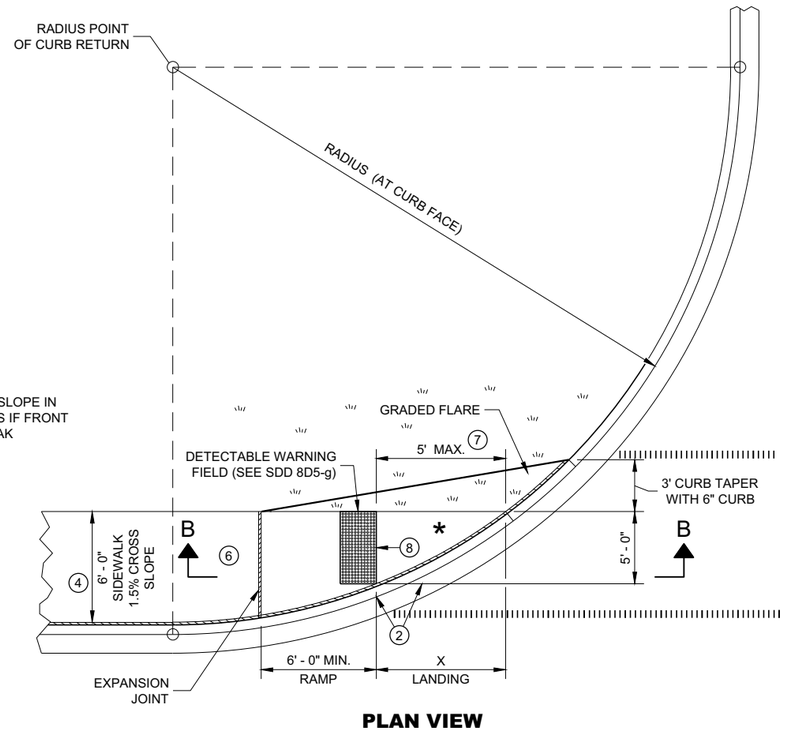
SECTION C - C FOR TYPE 4A



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

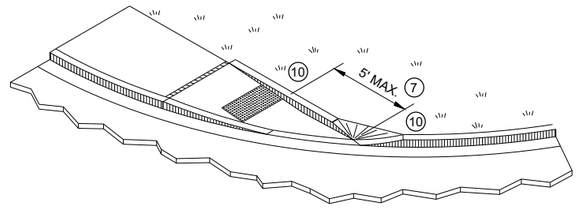
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

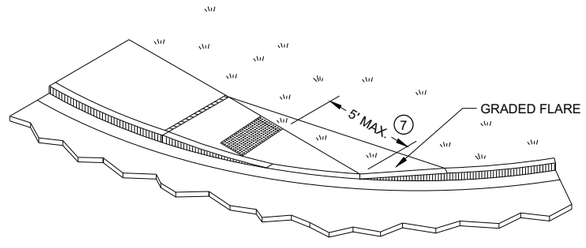


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



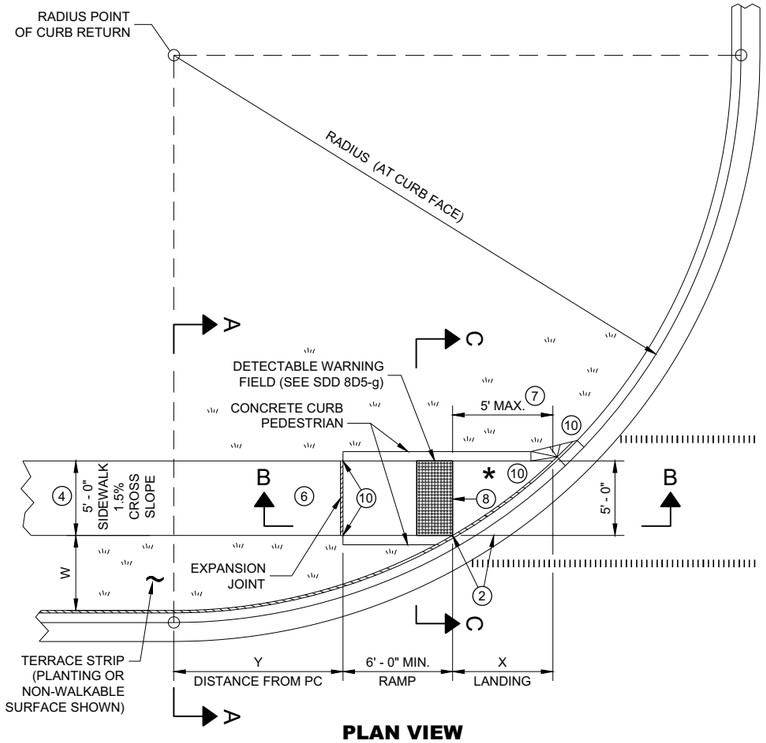
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c

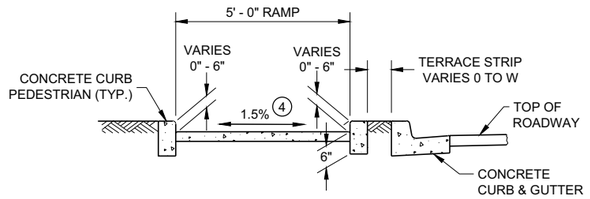


PLAN VIEW

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.

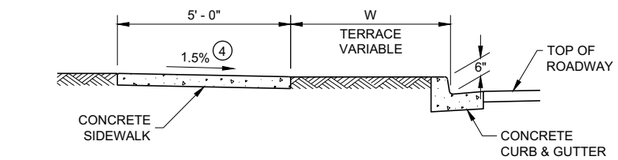
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

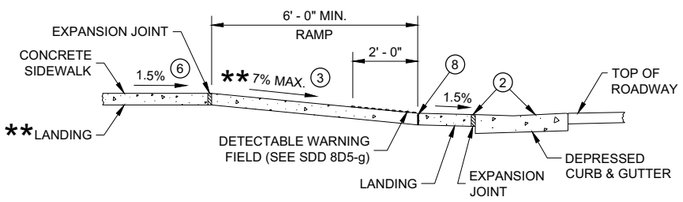
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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



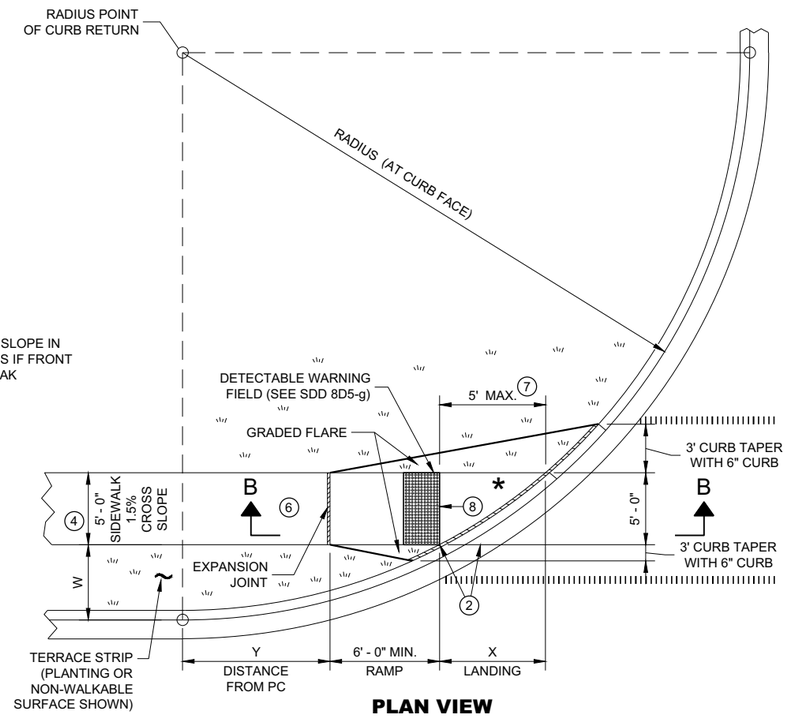
SECTION A - A FOR TYPE 4B



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

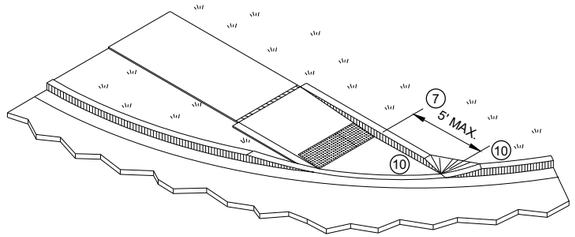
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

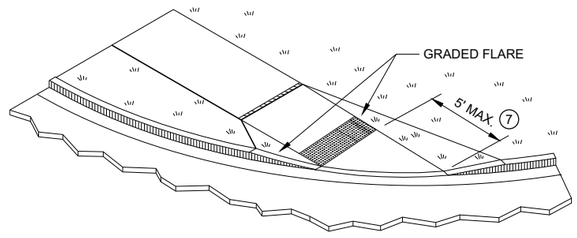


PLAN VIEW

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

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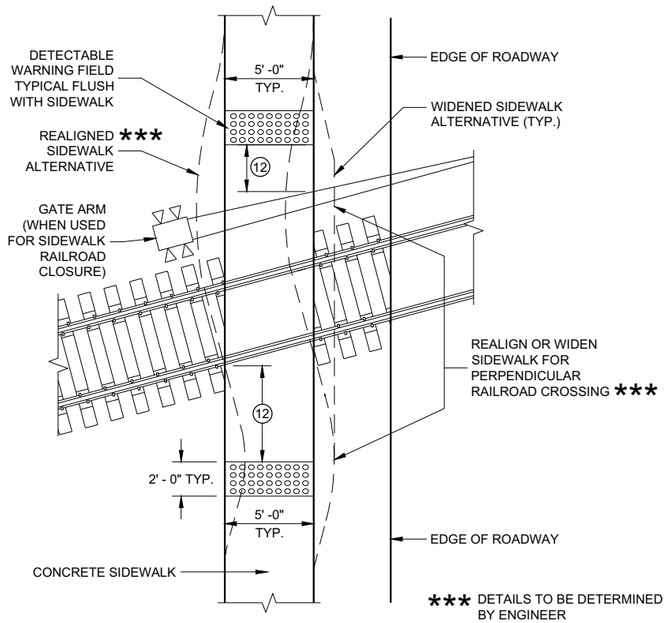
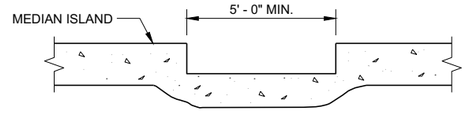
SDD 08D05 - 20d

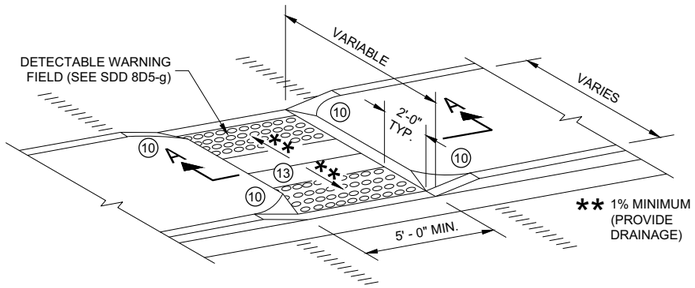


CURB RAMP TYPE 8

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.

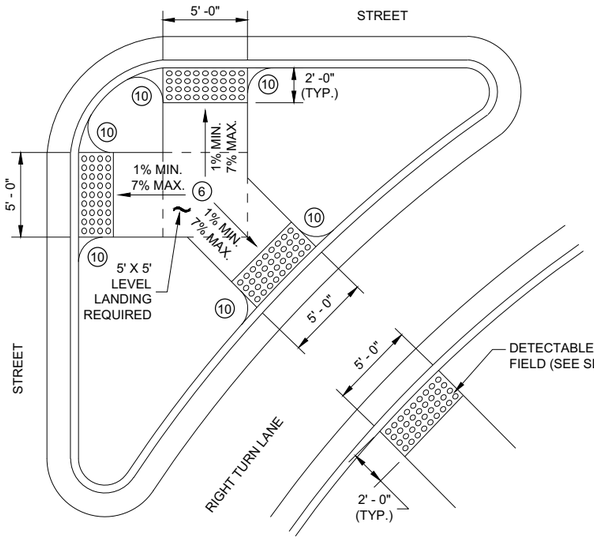
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

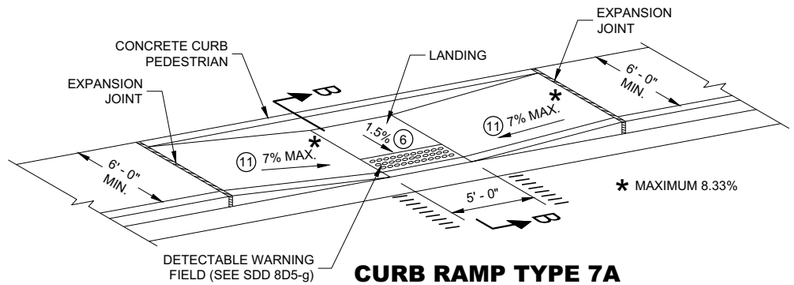
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

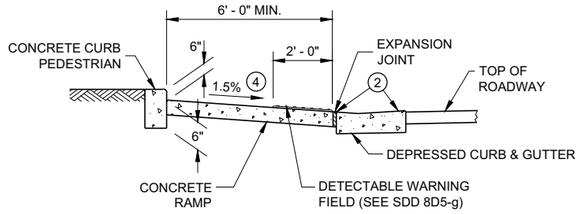
DETECTABLE WARNING AT ISLANDS

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

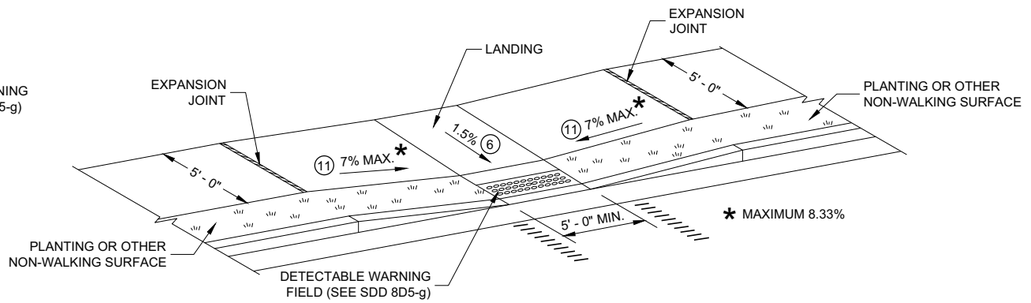


CURB RAMP TYPE 7A

MID BLOCK CROSSING



SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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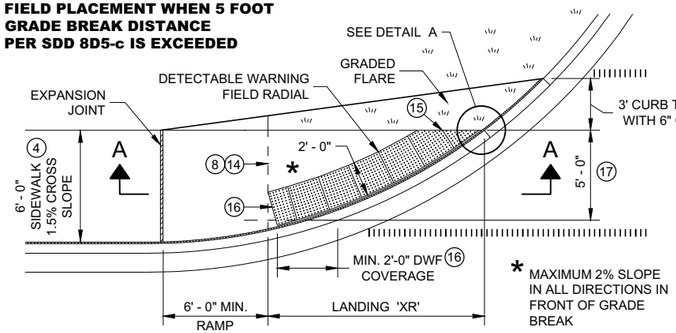
SDD 08D05 - 20e
SDD 08D05 - 20e

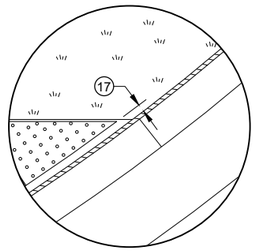
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



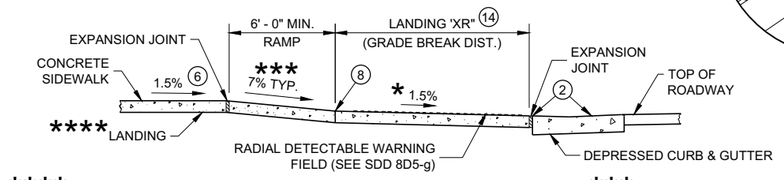
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

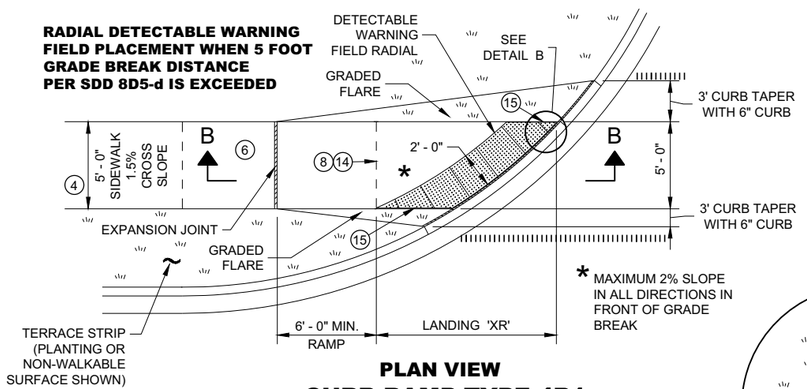


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

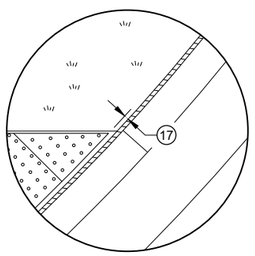
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



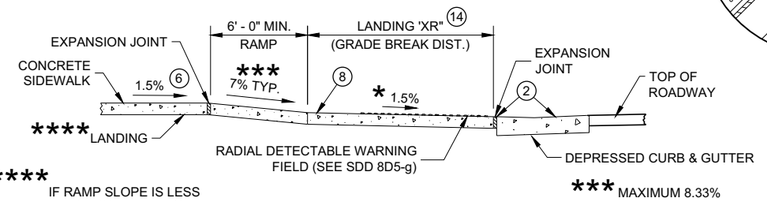
PLAN VIEW

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

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.

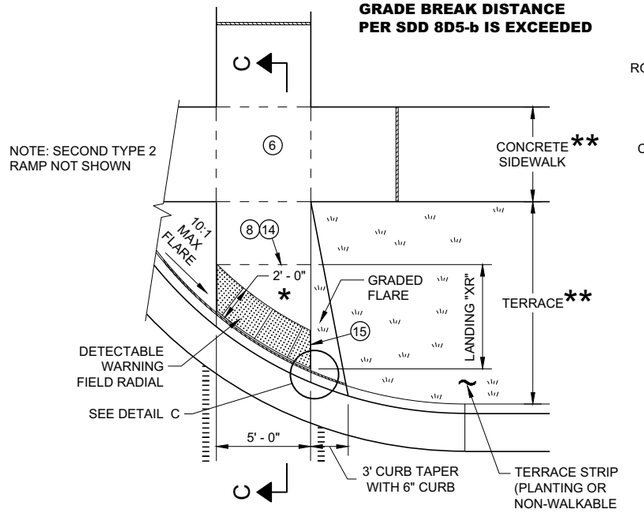
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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-b IS EXCEEDED

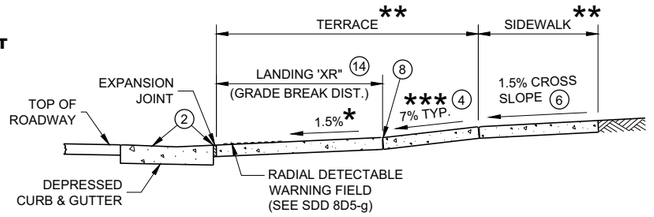


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

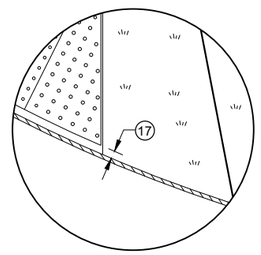


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

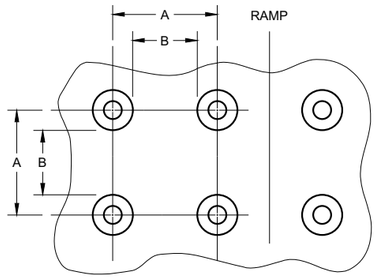
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20f

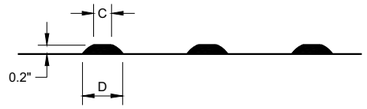
SDD 08D05 - 20f

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

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

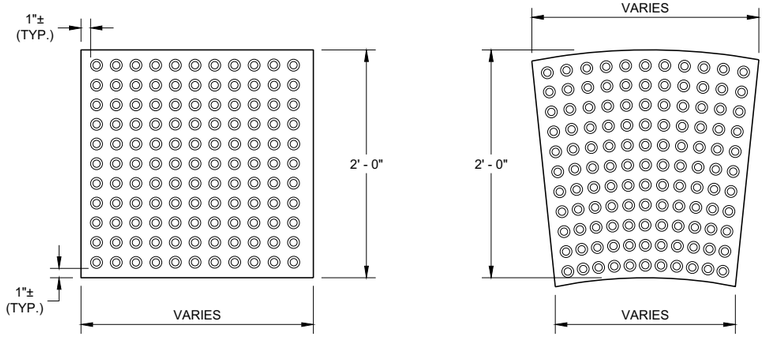


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

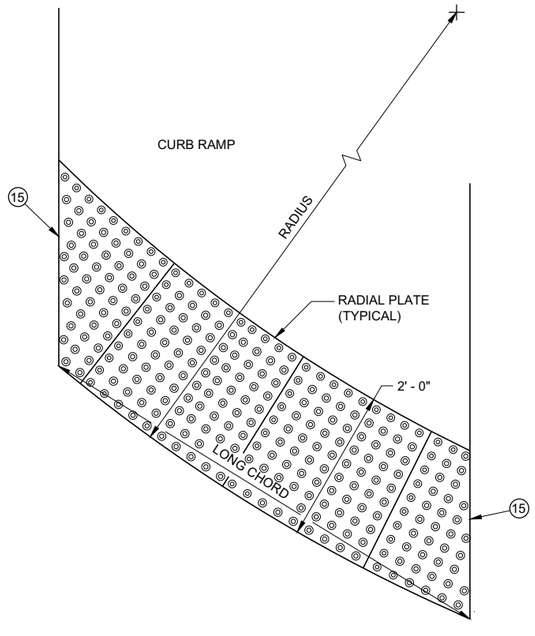
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

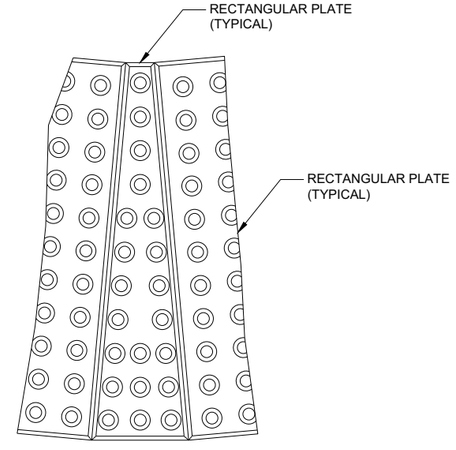
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
May 2019 DATE	/S/ Rodney Taylor ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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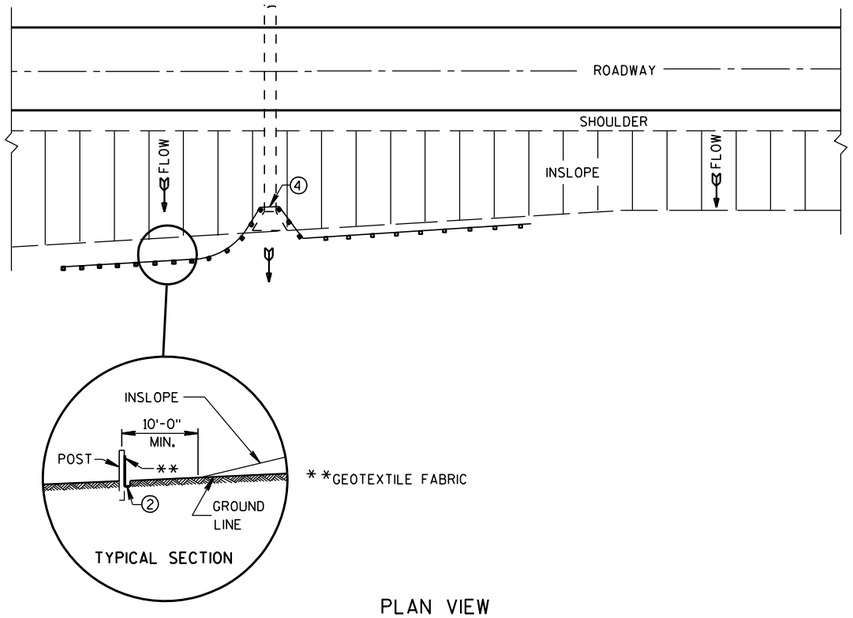
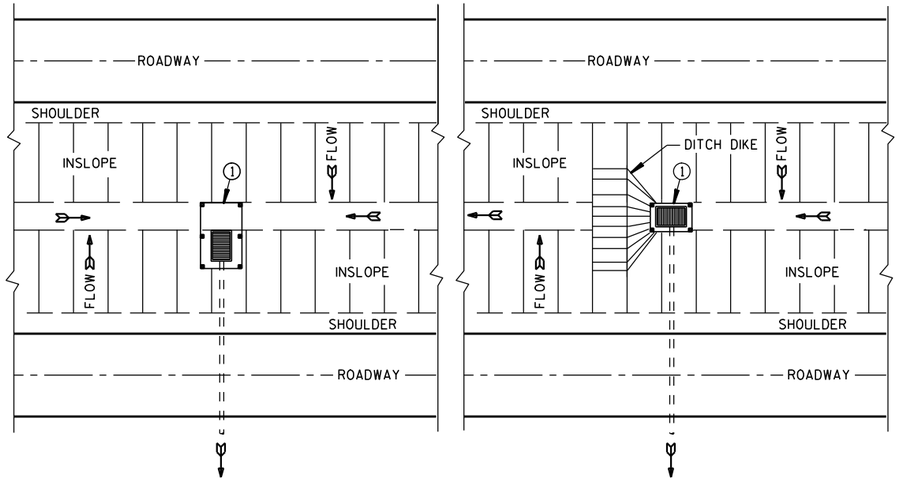
SDD 08D05 - 20g



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



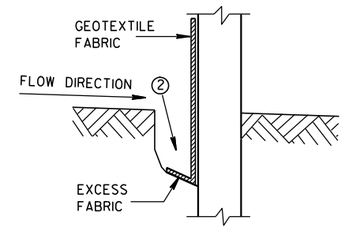
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

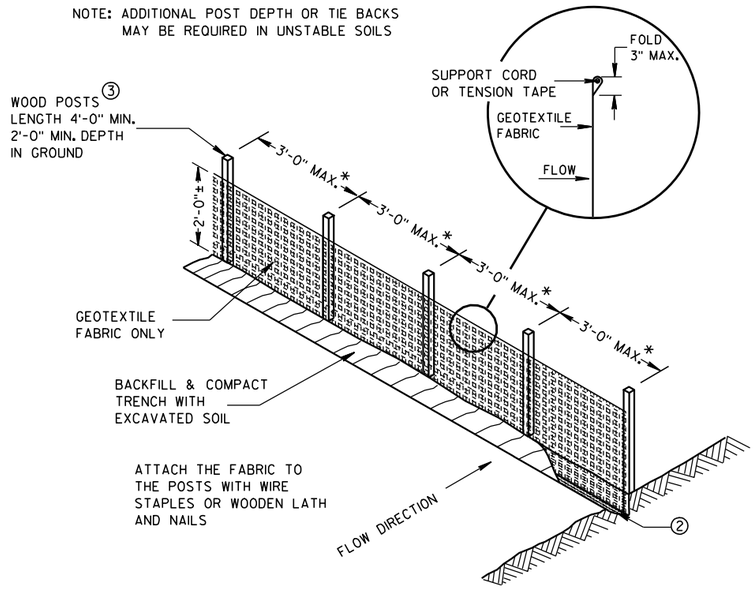
GENERAL NOTES

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

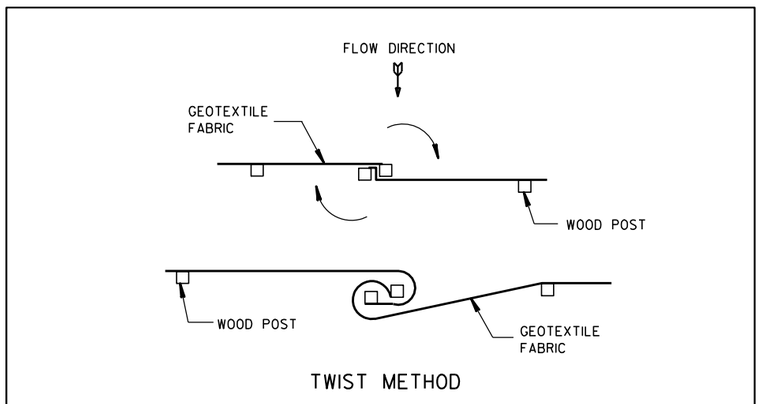
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL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



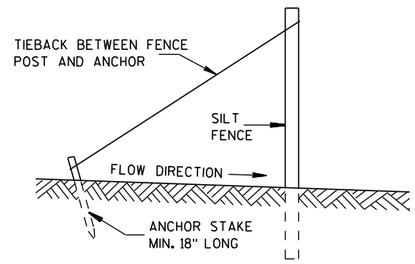
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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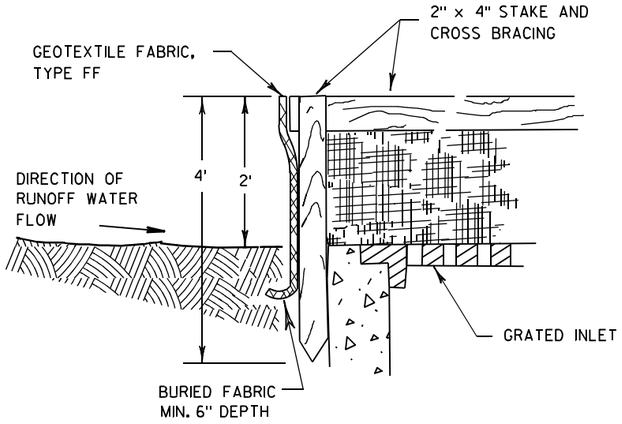
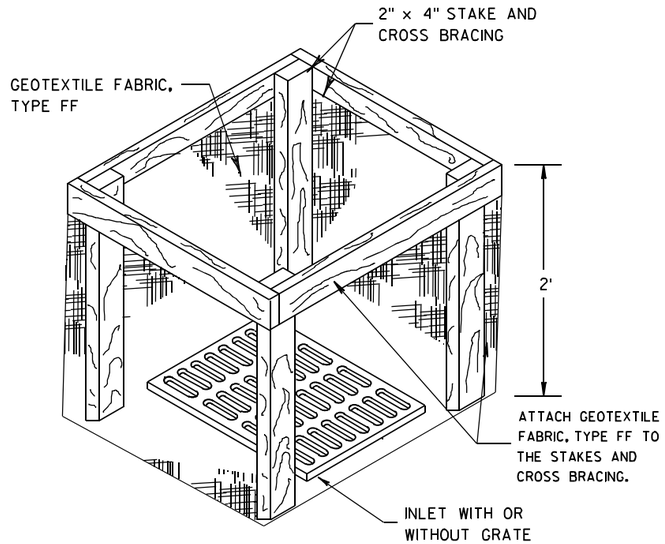
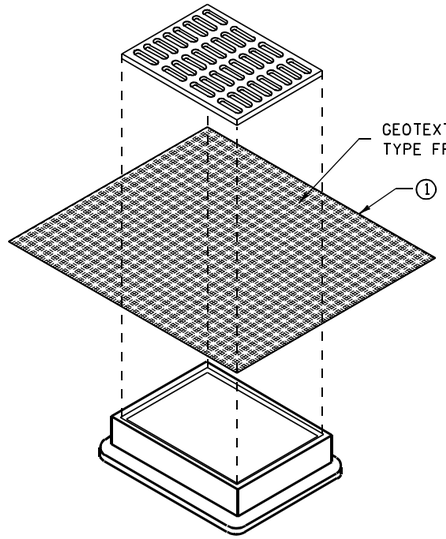
S.D.D. 8 E 9-6



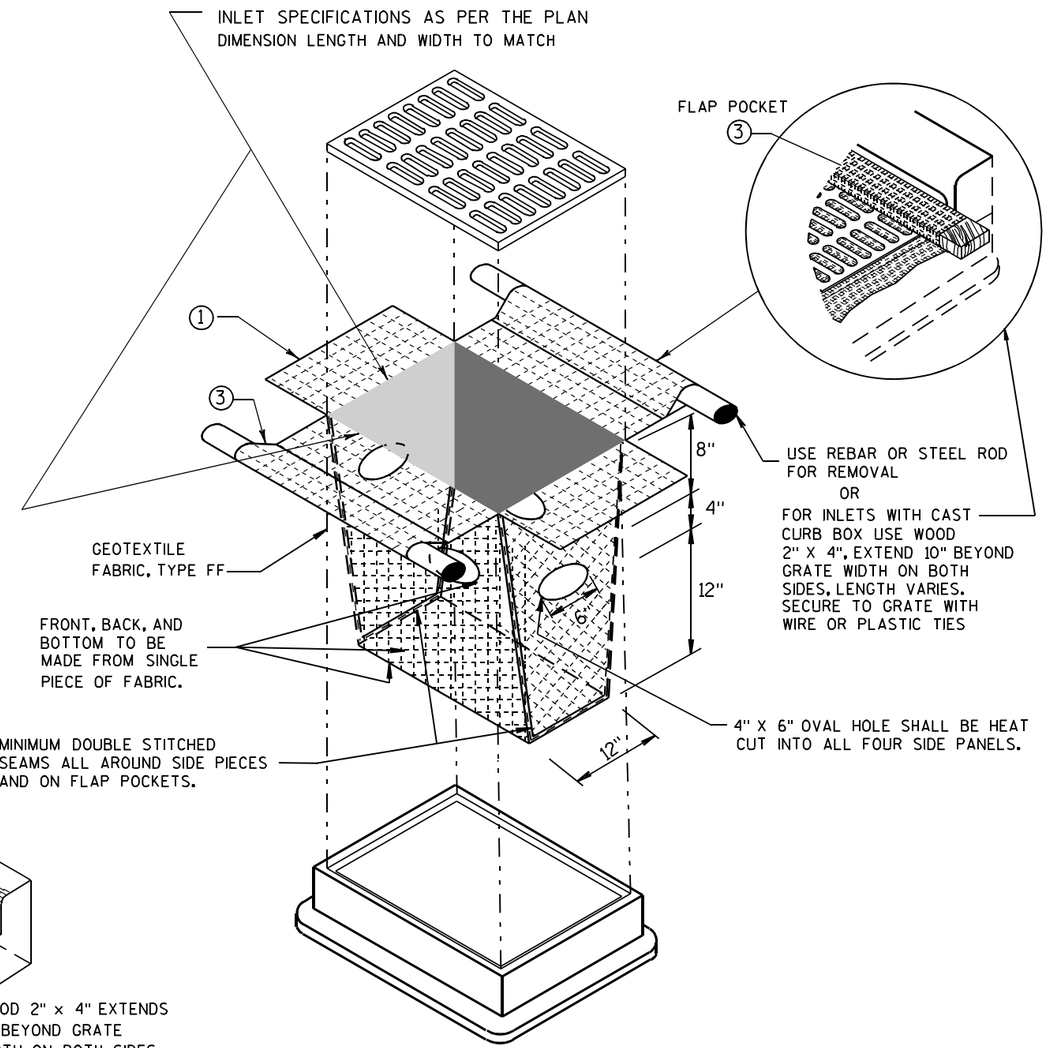


INLET PROTECTION, TYPE A



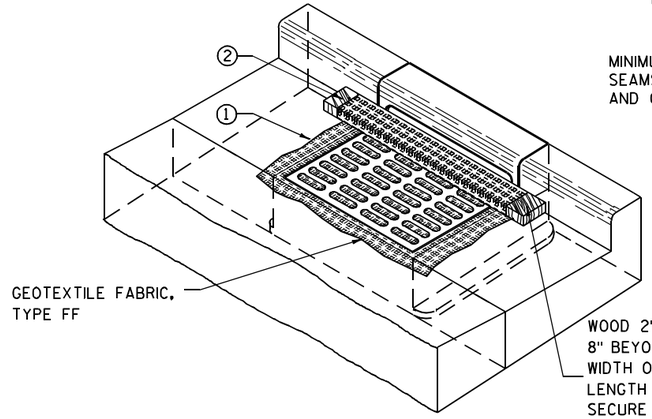
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE D

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



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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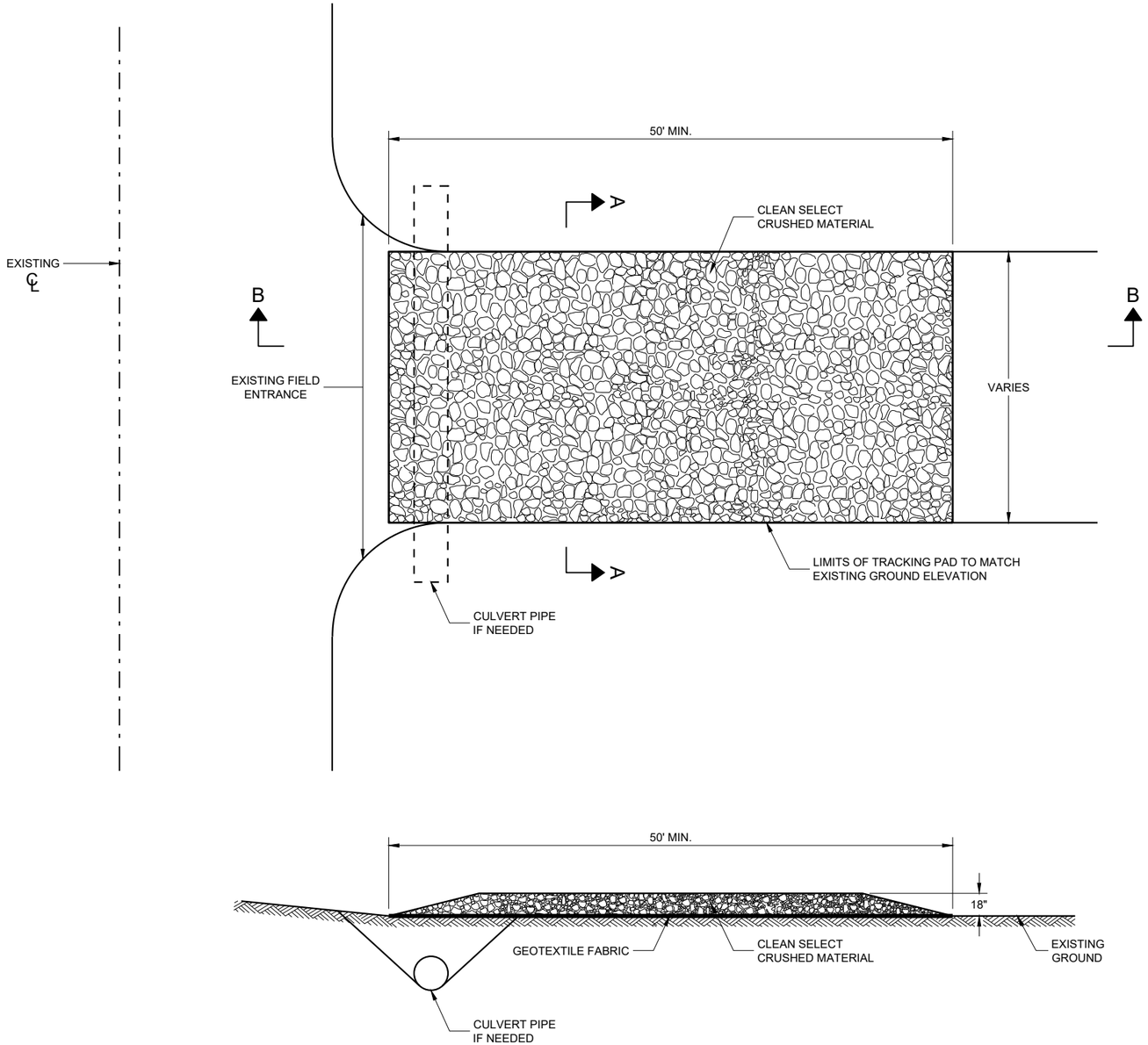
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

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

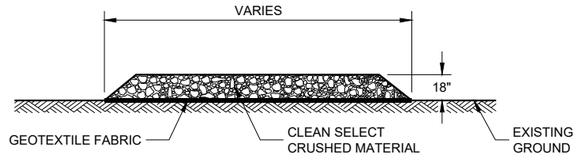
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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

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

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



SECTION A - A

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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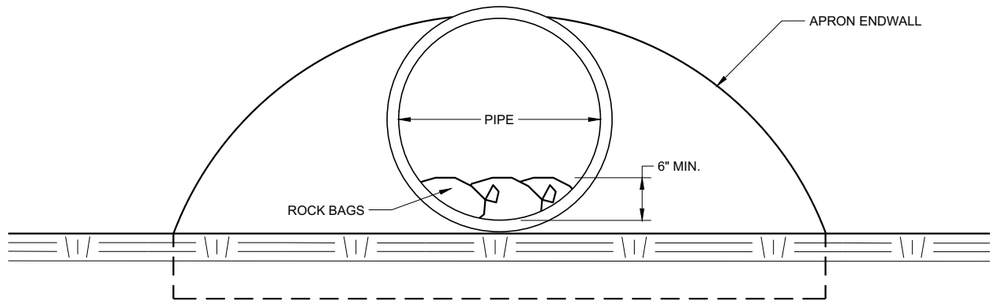
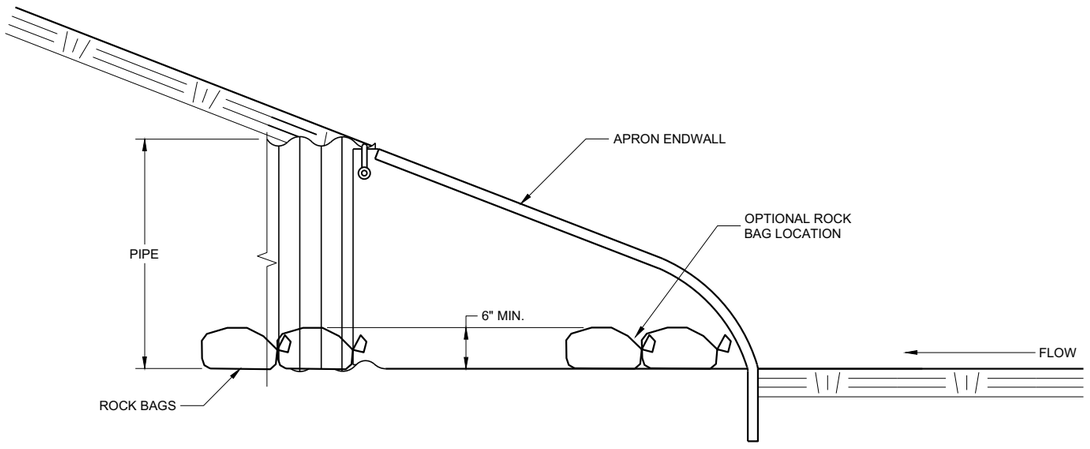
SDD 08E14 - 01



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

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

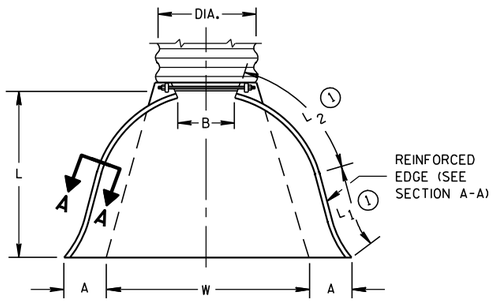
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

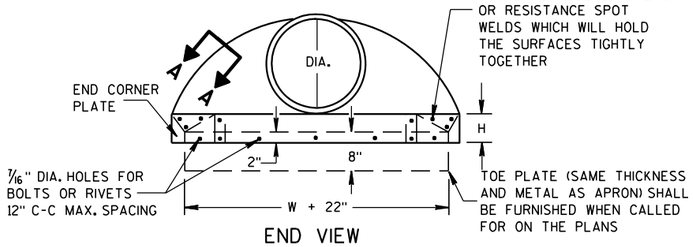
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

*MINIMUM
**MAXIMUM



PLAN VIEW



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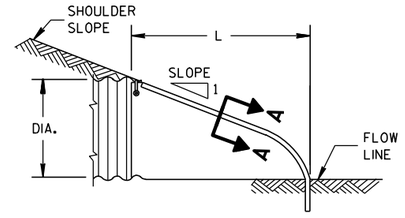
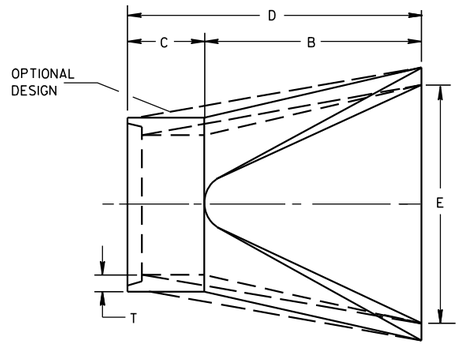
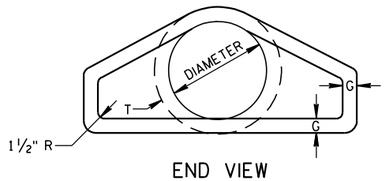


SIDE ELEVATION

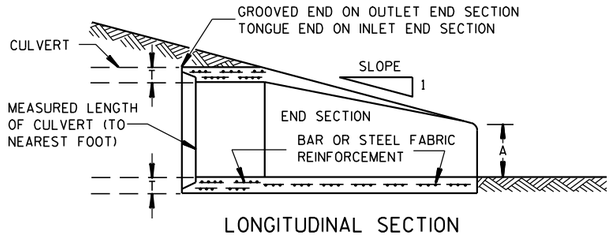
METAL ENDWALLS



PLAN

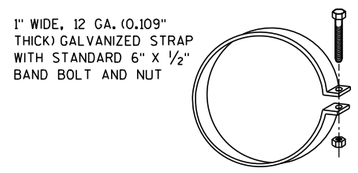


END VIEW



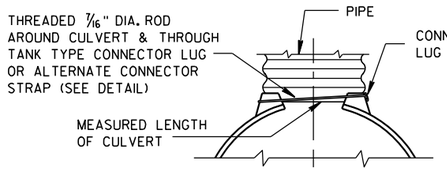
LONGITUDINAL SECTION

CONCRETE ENDWALLS

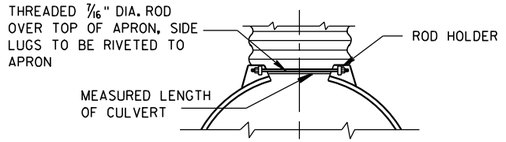


ALTERNATE FOR TYPE 1 CONNECTION

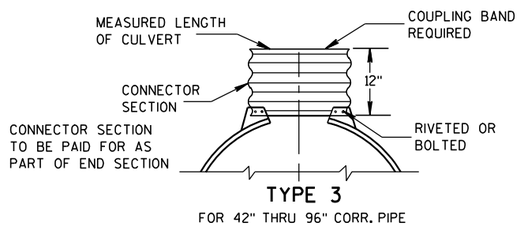
END SECTION CONNECTOR STRAP



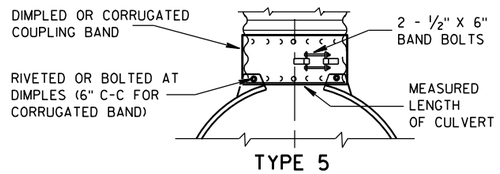
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

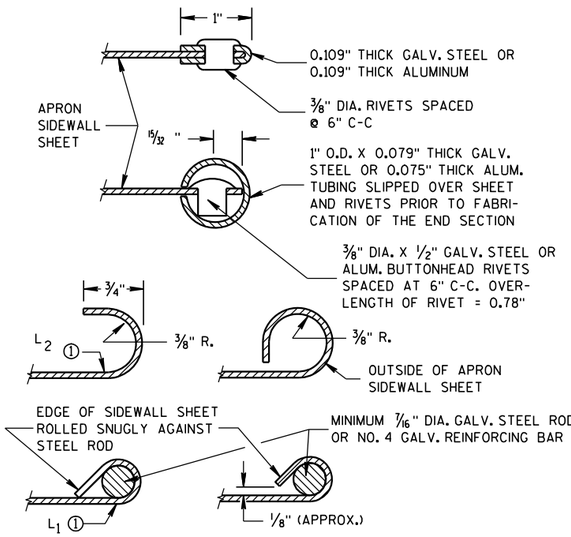
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

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

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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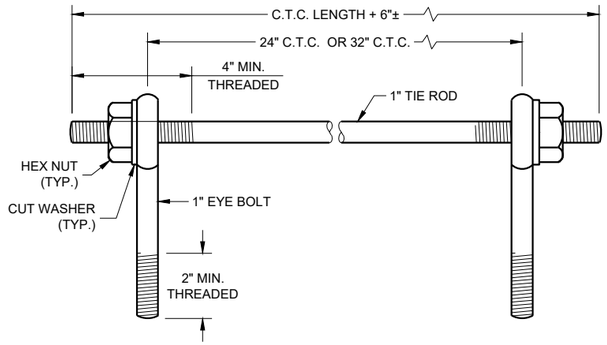
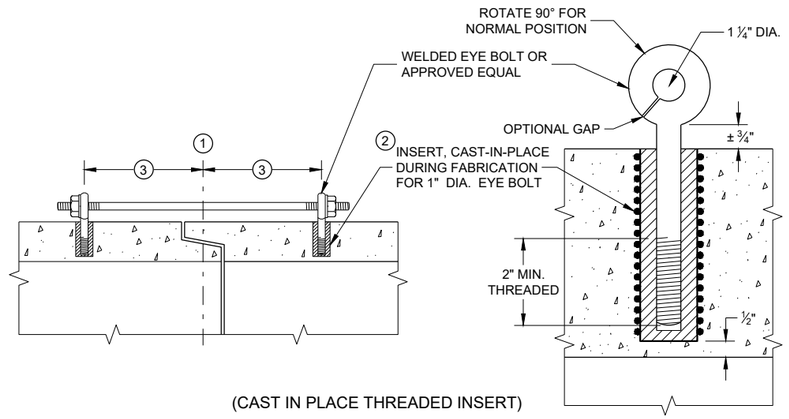
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

(1) 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.

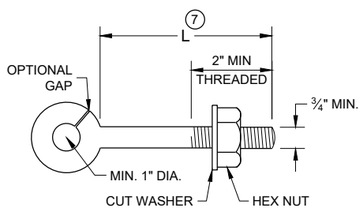
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

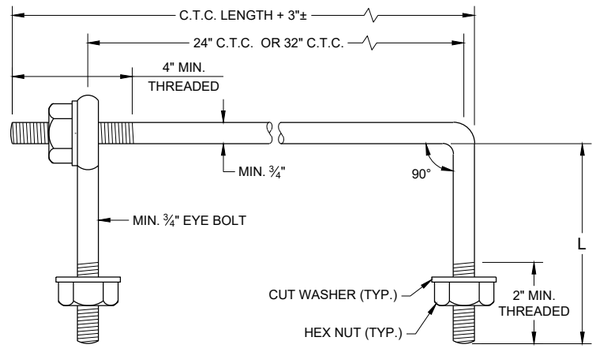
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

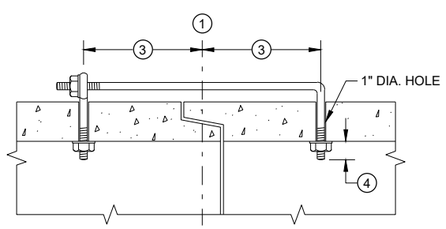


EYE BOLT (7)

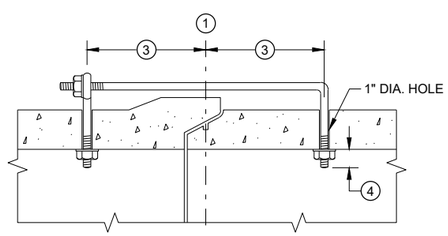
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

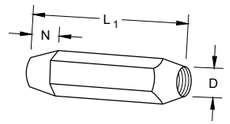
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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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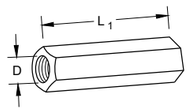
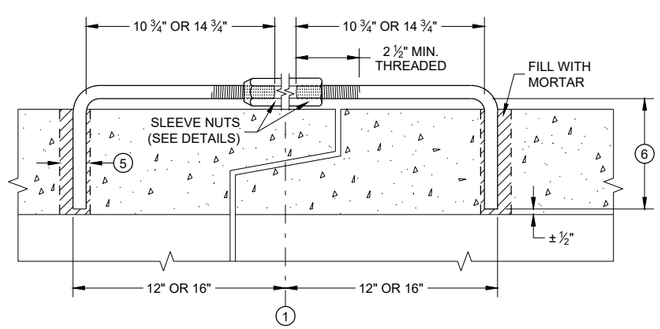


PLAIN

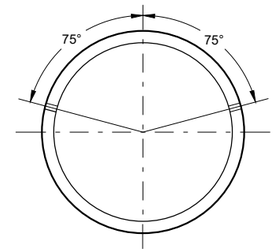
RIGHT AND LEFT THREADS

SLEEVE NUTS



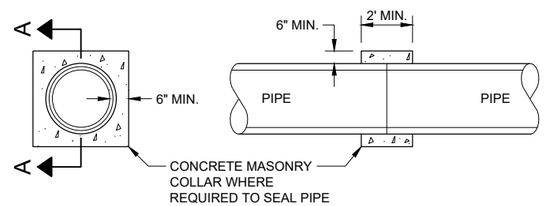
LONGITUDINAL SECTION

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

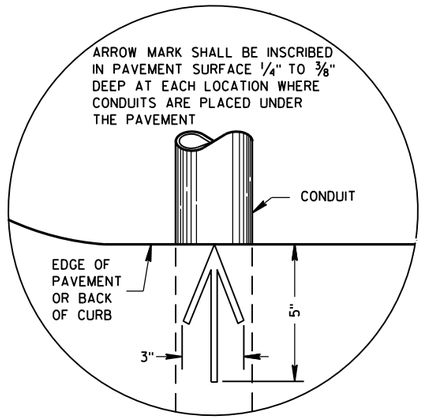
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

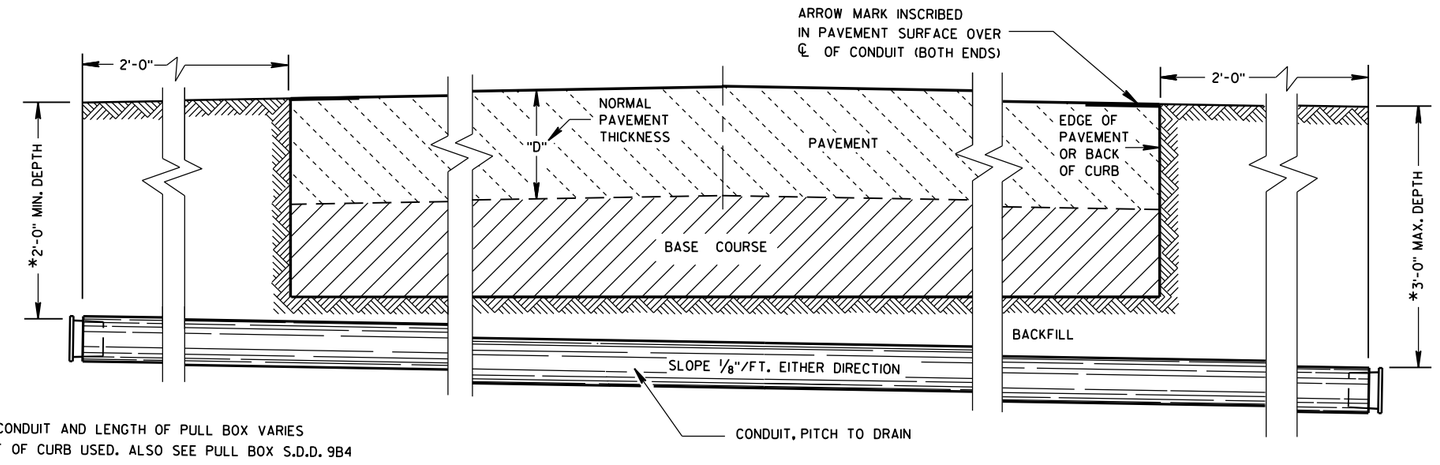
SDD 08F04 - 08

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

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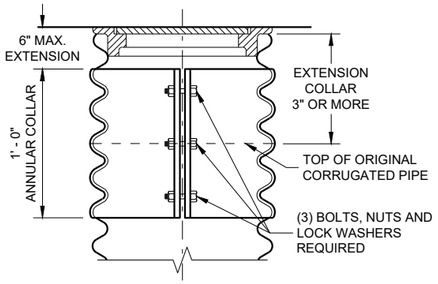
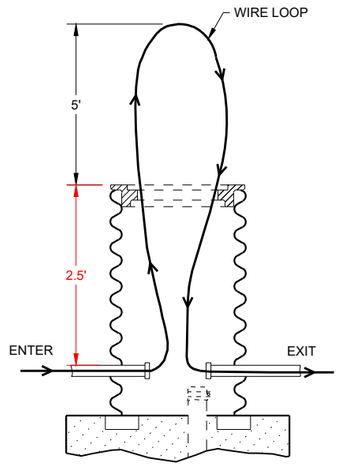
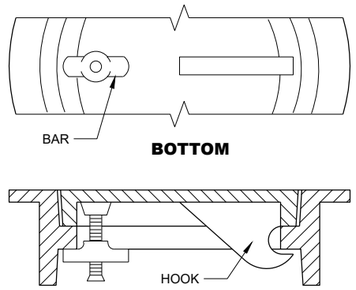


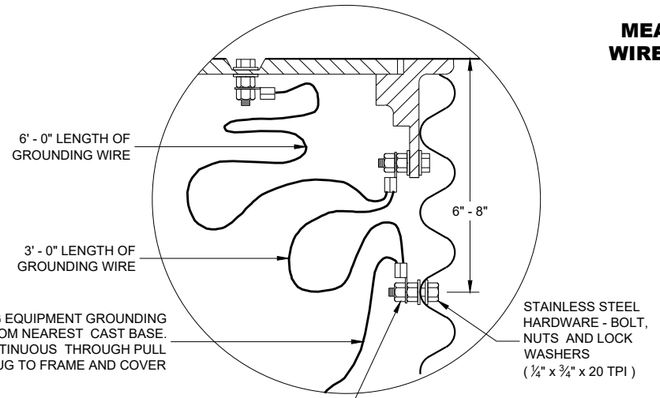
CORRUGATED PIPE EXTENDER



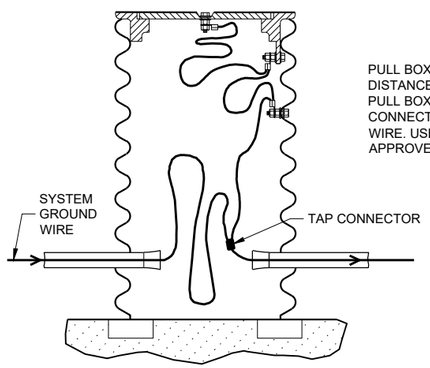
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

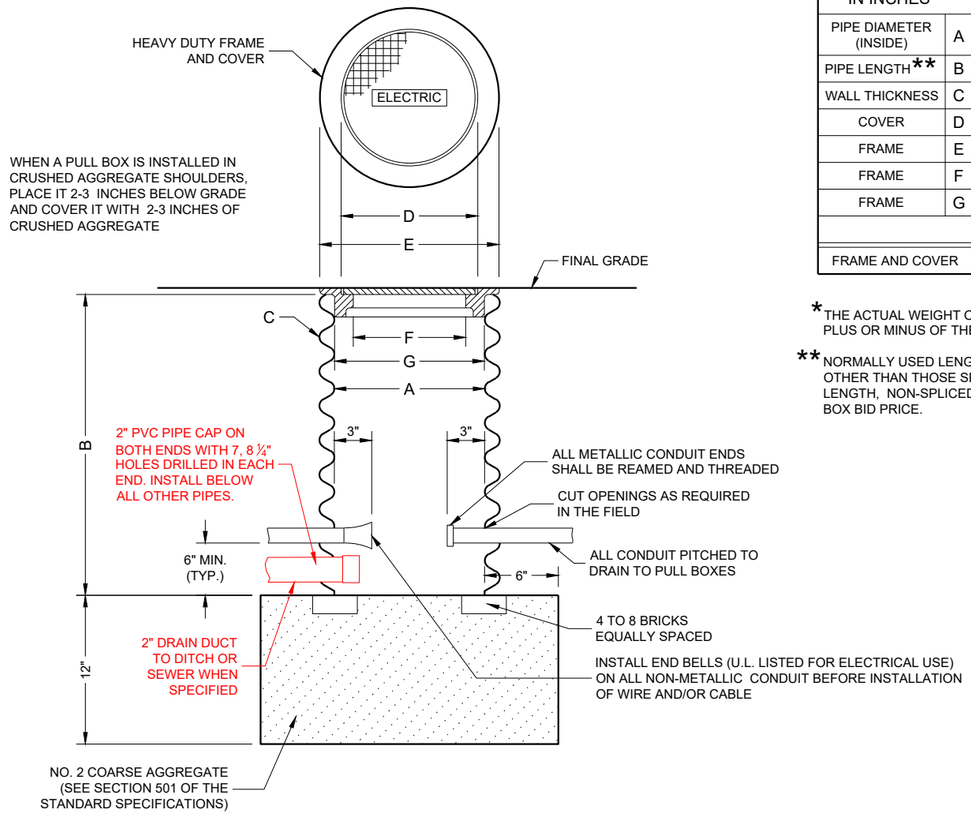


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

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

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

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

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

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH**	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

**NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

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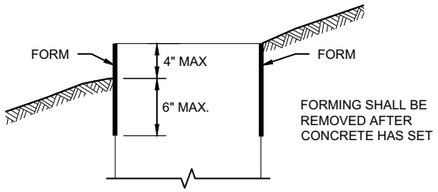
SDD 09B04-12

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

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

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

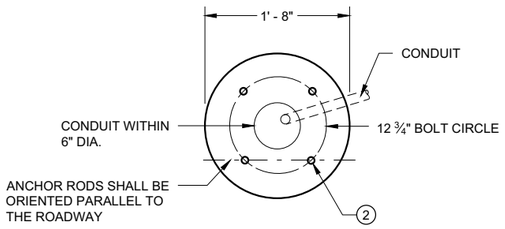
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

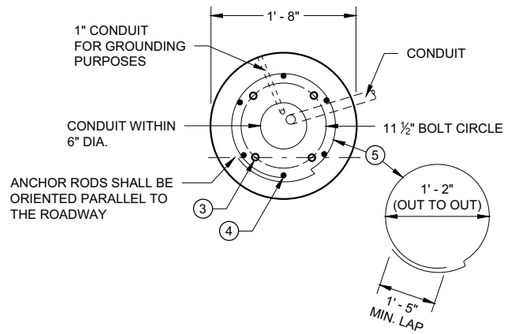
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

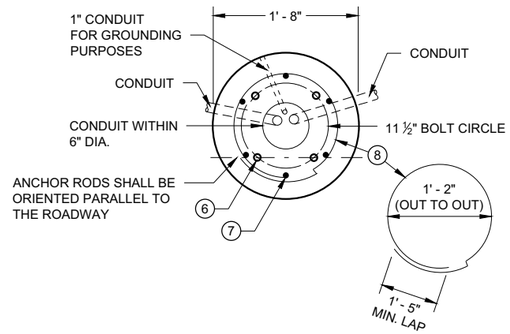
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

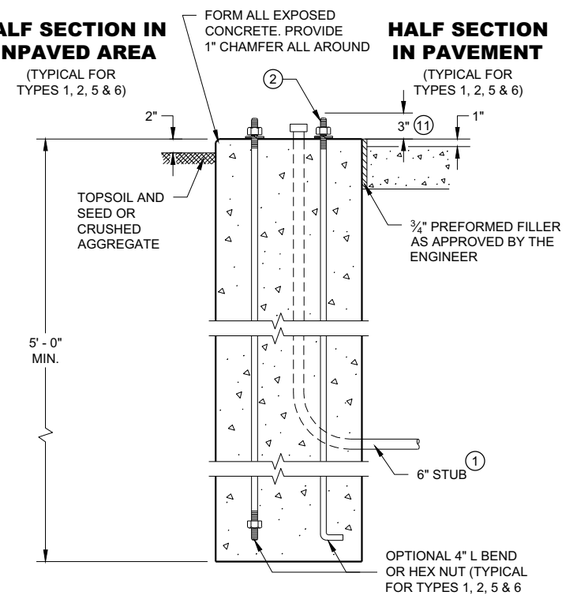
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

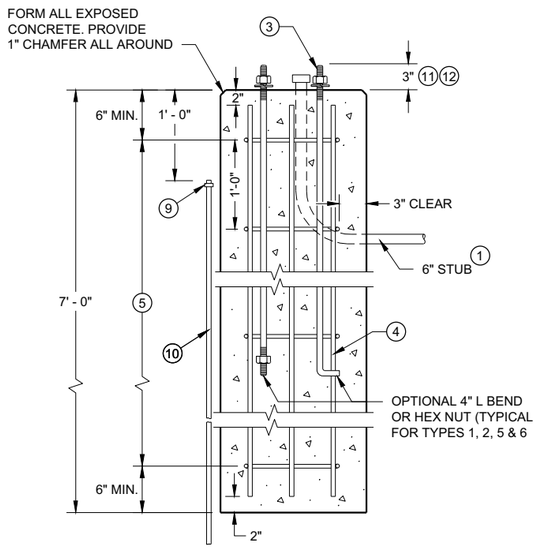
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

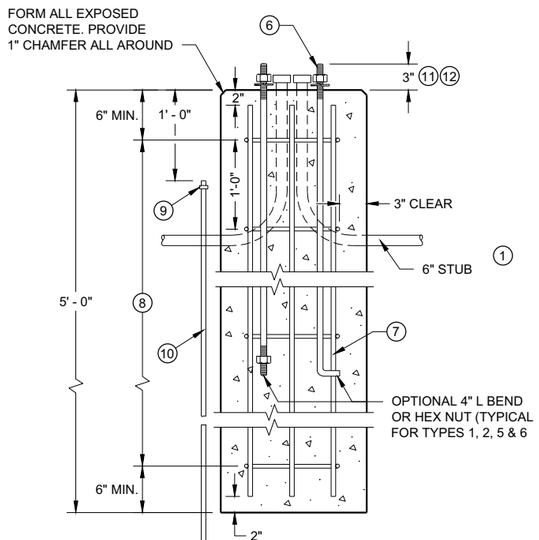
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

GENERAL NOTES

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

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

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

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

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

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

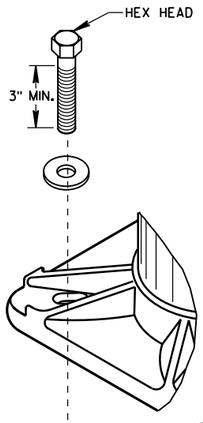
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

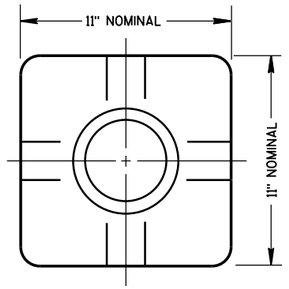
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

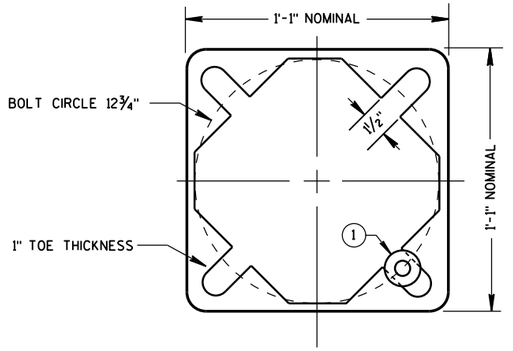
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

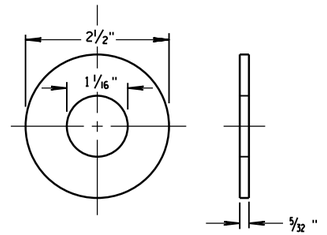




TOP VIEW
(PEDESTAL BASE)

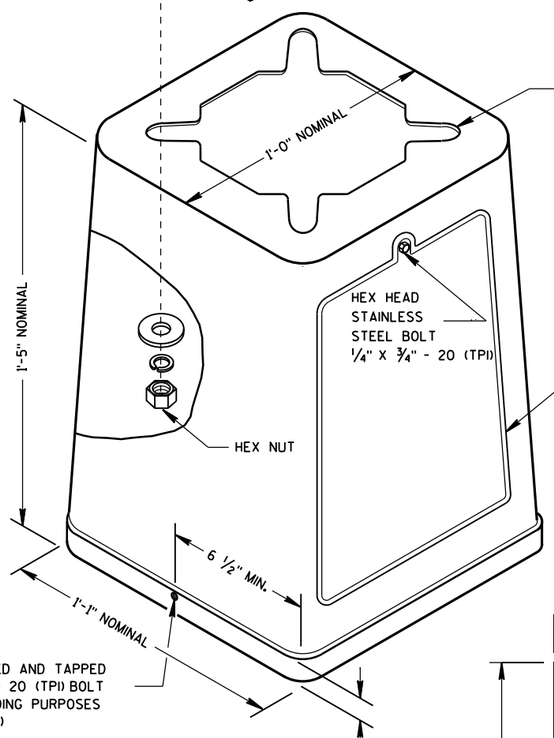


BOTTOM VIEW
(PEDESTAL BASE)

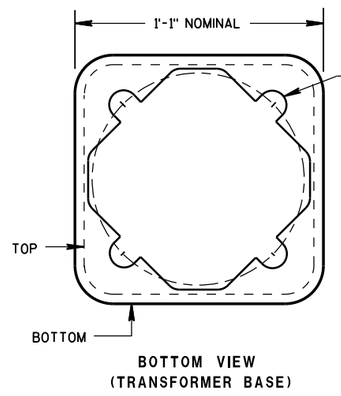


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

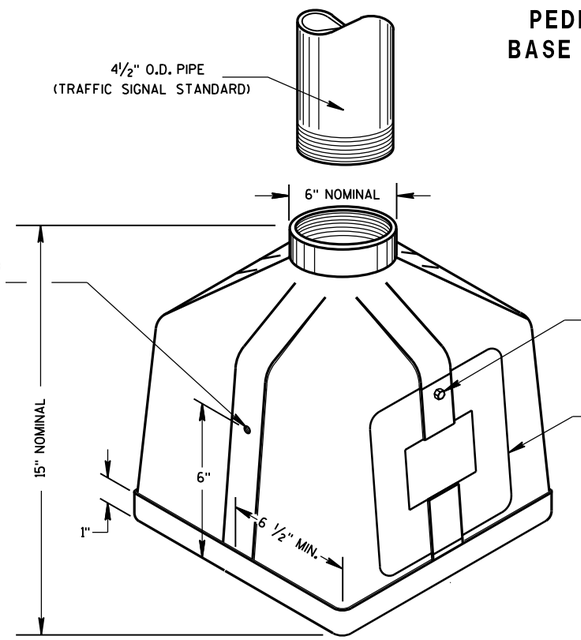
PEDESTAL BASE WASHER (1)



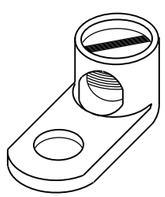
ISOMETRIC VIEW



BOTTOM VIEW
(TRANSFORMER BASE)

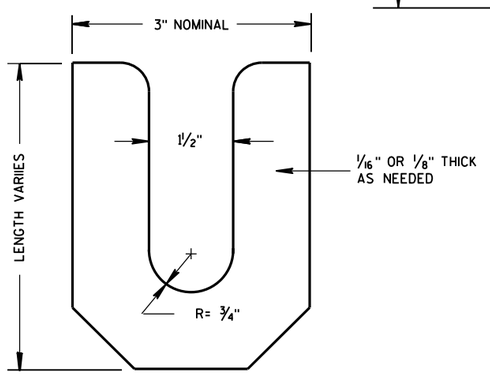


ISOMETRIC VIEW
PEDESTAL BASE



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

234

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S.D.D. 9 C 3-4

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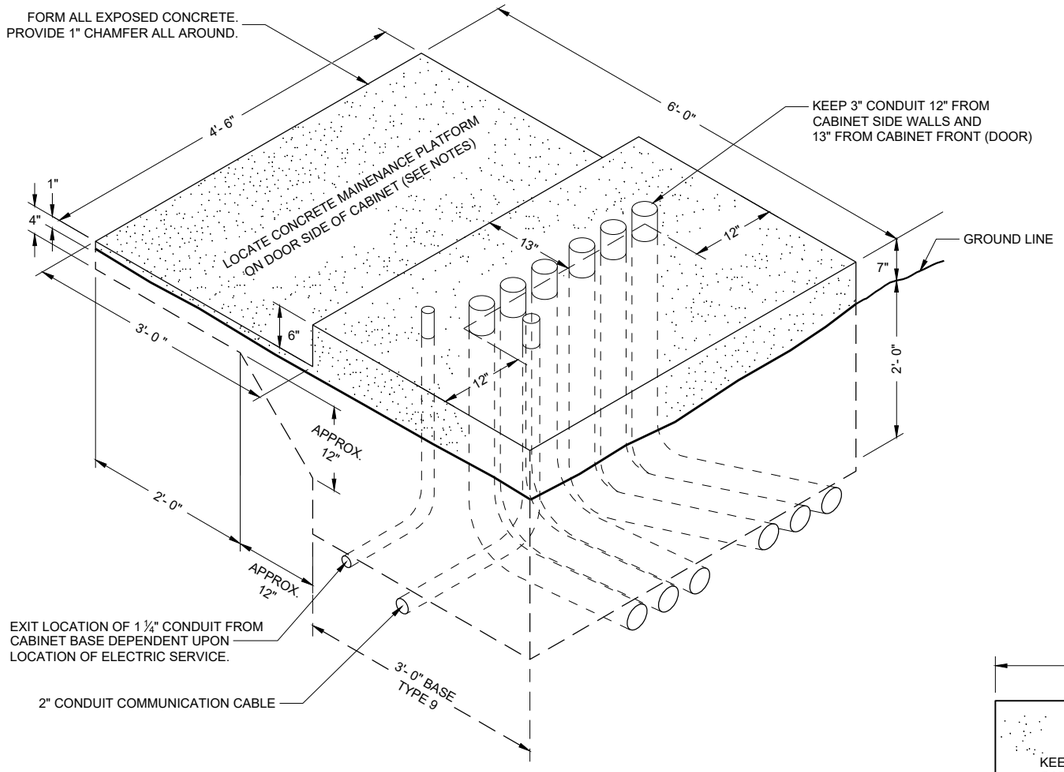
S.D.D. 9 C 3-4

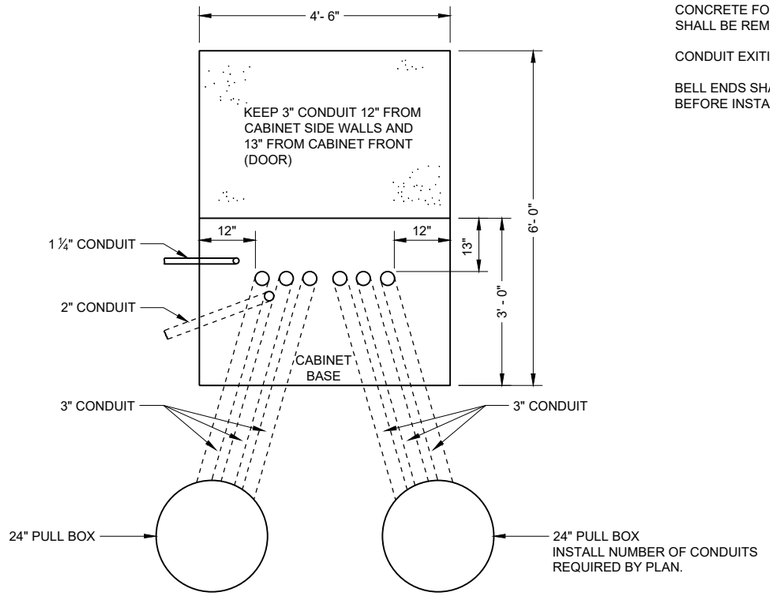
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

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

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

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

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

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

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

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

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 235

FHWA

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SDD 09C06 - 07

GENERAL NOTES

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

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

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

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

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

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

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

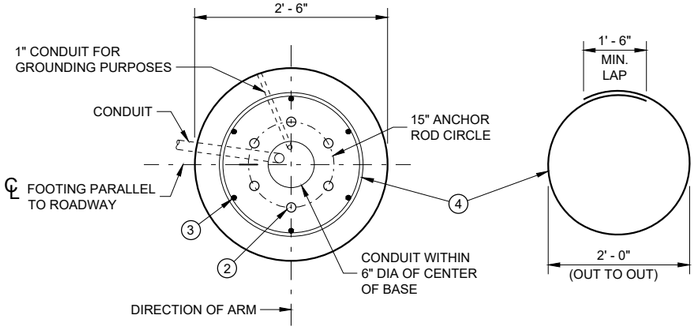
(2) (6) 1 ½ DIA. X 4' - 4" ANCHOR RODS

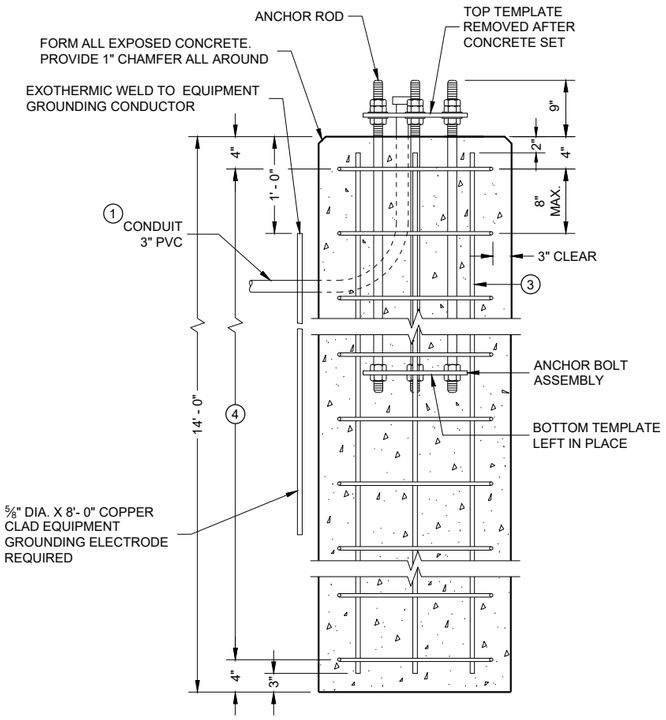
(3) (6) NO. 6 X 13' - 7" BAR STEEL REINFORCEMENT.

(4) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.

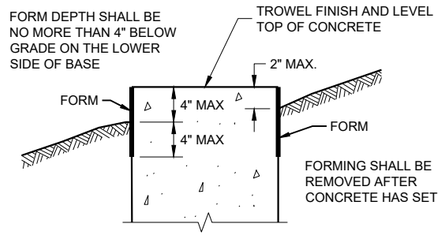
QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122



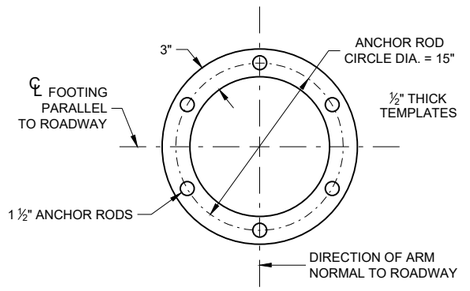


CONCRETE BASE, TYPE 10
(FOR TYPE 9, TYPE 10 AND OVER HEIGHT (OH) POLES)

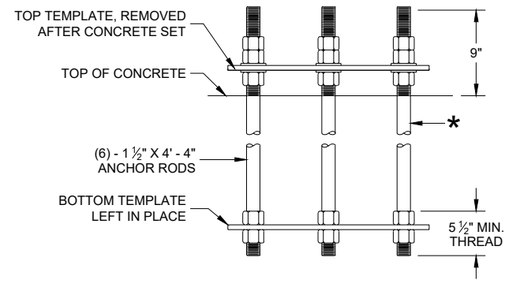
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE SDD 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demerbilek — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

6

SDD 09C11 - 10

GENERAL NOTES

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

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

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

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4 ½ INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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

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

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

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

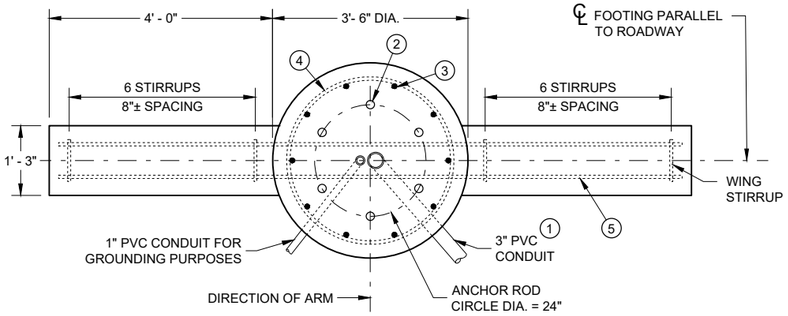
(2) (6) 1 ¾" DIA. X 7' - 2" ANCHOR RODS

(3) (10) NO. 6 X 14' - 1" BAR STEEL VERTICAL REINFORCEMENT.

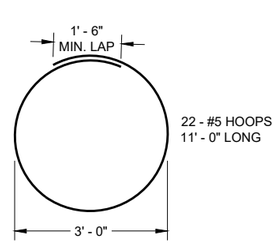
(4) (22) NO. 5 X 11'- 0" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

(5) (10) NO. 5 X 11' - 0" BAR STEEL HORIZONTAL REINFORCEMENT

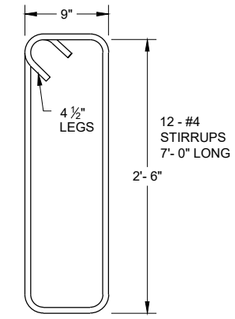
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



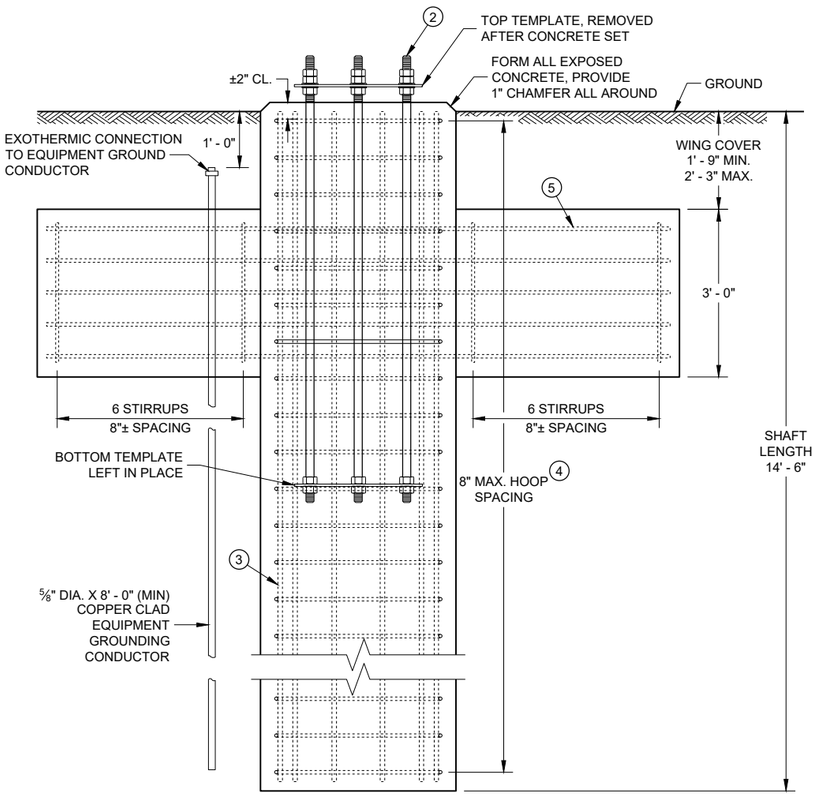
PLAN VIEW



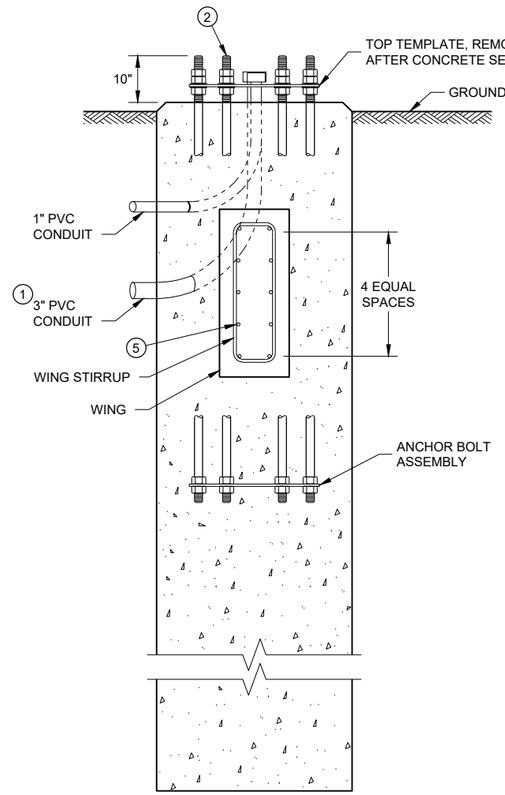
HOOP DETAIL



WING STIRRUP DETAIL



ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)

CONCRETE BASE, TYPE 13
(FOR TYPE 12, TYPE 13 AND OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 CUBIC YARD
H.S. REINFORCEMENT = 635 LBS.

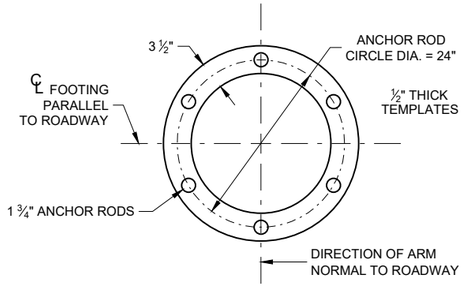
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION

CONCRETE BASE TYPE 13

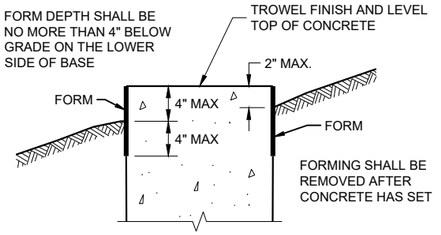
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

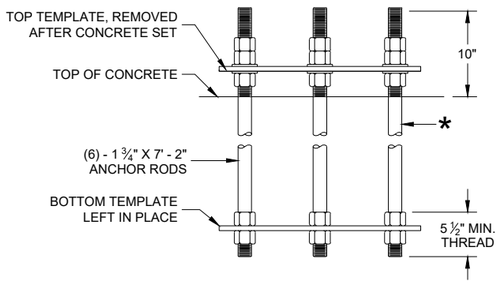
SDD 09C12 - 09a



TOP AND BOTTOM TEMPLATE



FORMING DETAIL



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 11" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2017
DATE

/S/ Ahmet Demirbilek
WIND LOADED STRUCTU
PROGRAM LEADER

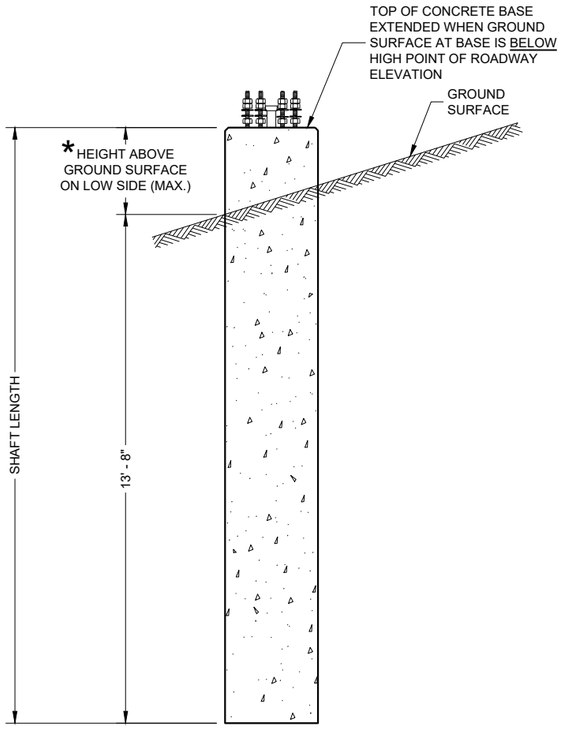
FHWA

6

SDD 09C12 - 09b

REINFORCEMENT AND CONCRETE QUANTITIES ADJUSTED FOR EXTENDED TYPE 10 CONCRETE BASE

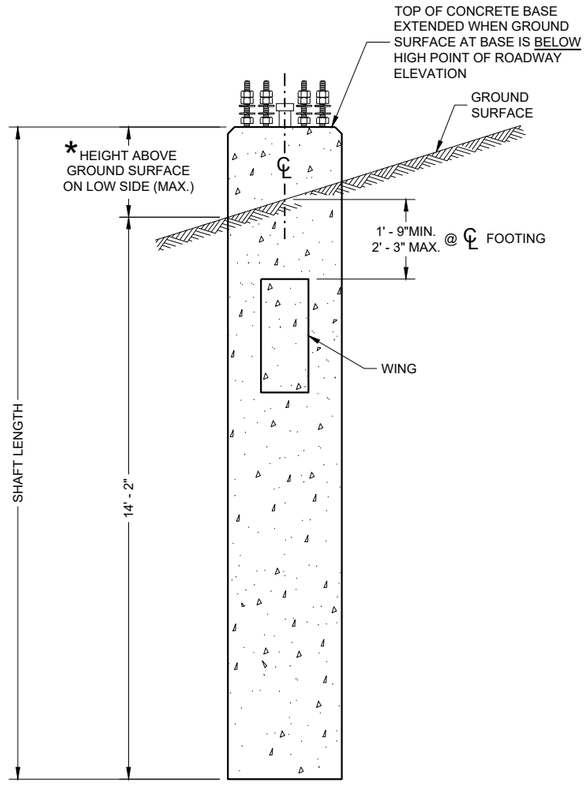
HEIGHT INCREASE REQUIRED	*HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAX.)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #5 HOOPS	CU. YD. OF CONCRETE	LBS. OF HOOP BAR STEEL	LBS. OF VERTICAL STEEL
>0" TO 6"	10"	14' - 6"	14' - 1"	22	2.6	180	127
>6" TO 1' - 0"	1' - 4"	15' - 0"	14' - 7"	23	2.7	188	131
>1' - 0" TO 1' - 6"	1' - 10"	15' - 6"	15' - 1"	24	2.8	196	136
>1' - 6" TO 2 - 0"	2' - 4"	16' - 0"	15' - 7"	24	2.9	196	141



CONCRETE BASE TYPE 10 (EXTENDED)

REINFORCEMENT AND CONCRETE QUANTITIES ADJUSTED FOR EXTENDED TYPE 13 CONCRETE BASE

HEIGHT INCREASE REQUIRED	*HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAX.)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #5 HOOPS	CU. YD. OF CONCRETE	LBS. OF H.S. BAR STEEL
>0" TO 6"	10"	15' - 0"	14' - 7"	23	6.5	654
>6" TO 1' - 0"	1' - 4"	15' - 6"	15' - 1"	24	6.6	673
>1' - 0" TO 1' - 6"	1' - 10"	16' - 0"	15' - 7"	24	6.8	680
>1' - 6" TO 2 - 0"	2' - 4"	16' - 6"	16' - 1"	25	7.0	699



CONCRETE BASE TYPE 13 (EXTENDED)

CONCRETE BASE TYPE 10 AND TYPE13 EXTENSION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGI

FHWA

SDD 09C13 - 03

SDD 09C13 - 03

GENERAL NOTES

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

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

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

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

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

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

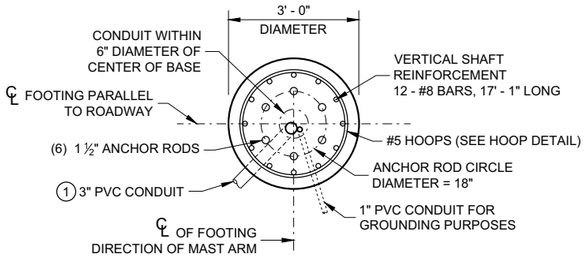
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

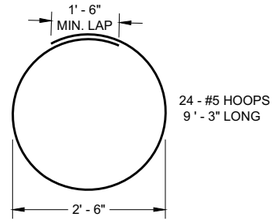
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

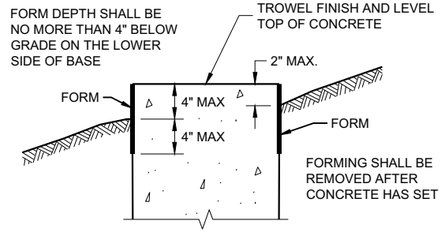
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



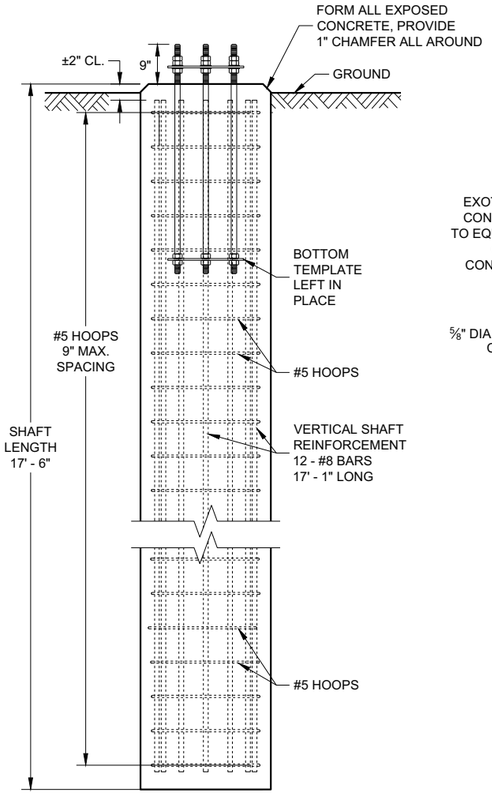
PLAN VIEW



HOOP DETAIL

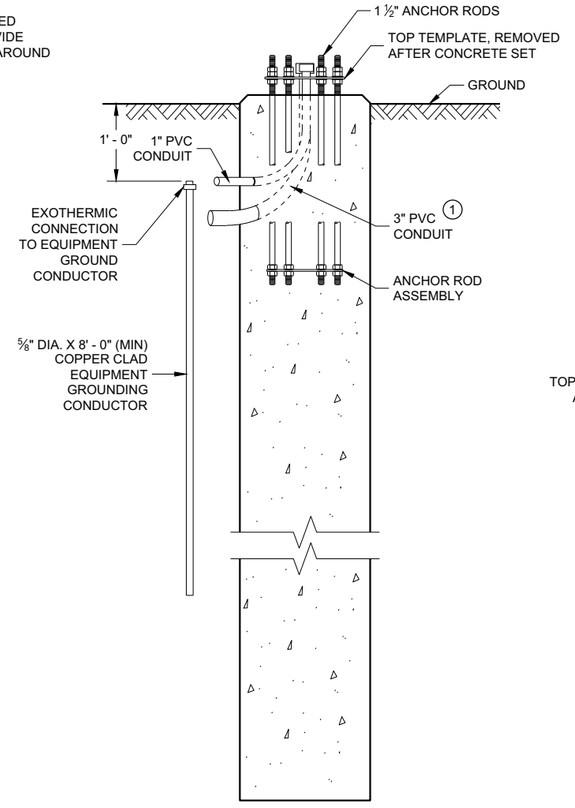


FORMING DETAIL



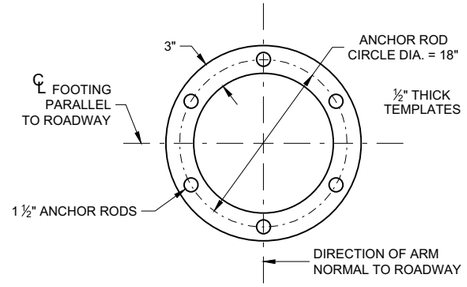
ELEVATION VIEW

(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)

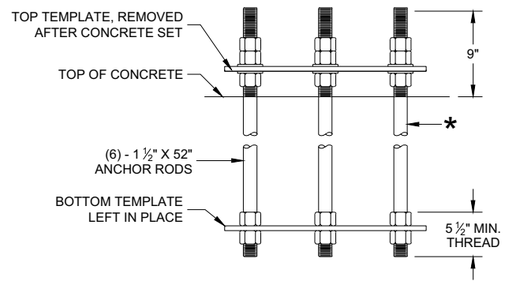


SIDE VIEW

(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES)

CONCRETE = 4.6 CUBIC YARD
H.S. REINFORCEMENT = 779 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER

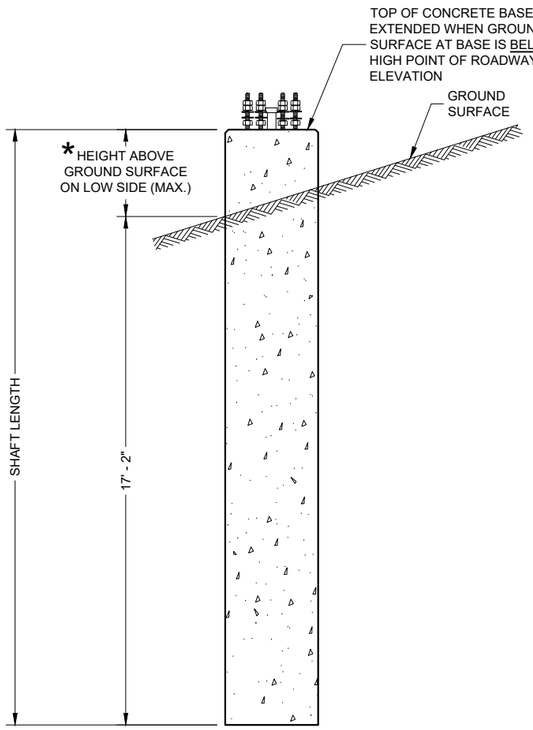
FHWA

SDD 09C15 - 01

SDD 09C15 - 01

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 10 SPECIAL CONCRETE BASE

HEIGHT INCREASE REQUIRED	*HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAX.)	SHAFT LENGTH	LENGTH OF #8 VERTICAL REINF.	NO. OF #5 HOOPS	CU. YD. OF CONCRETE	LBS. OF HOOP BAR STEEL	LBS. OF VERTICAL STEEL
>0" TO 6"	10"	18' - 0"	17' - 7"	25	4.7	241	563
>6" TO 1' - 0"	1' - 4"	18' - 6"	18' - 1"	25	4.8	241	579
>1' - 0" TO 1' - 6"	1' - 10"	19' - 0"	18' - 7"	26	5.0	251	595
>1' - 6" TO 2 - 0"	2' - 4"	19' - 6"	19' - 1"	27	5.1	260	611



CONCRETE BASE TYPE 10 SPECIAL (EXTENDED)

CONCRETE BASE TYPE 10 SPECIAL EXTENSION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 241

FHWA

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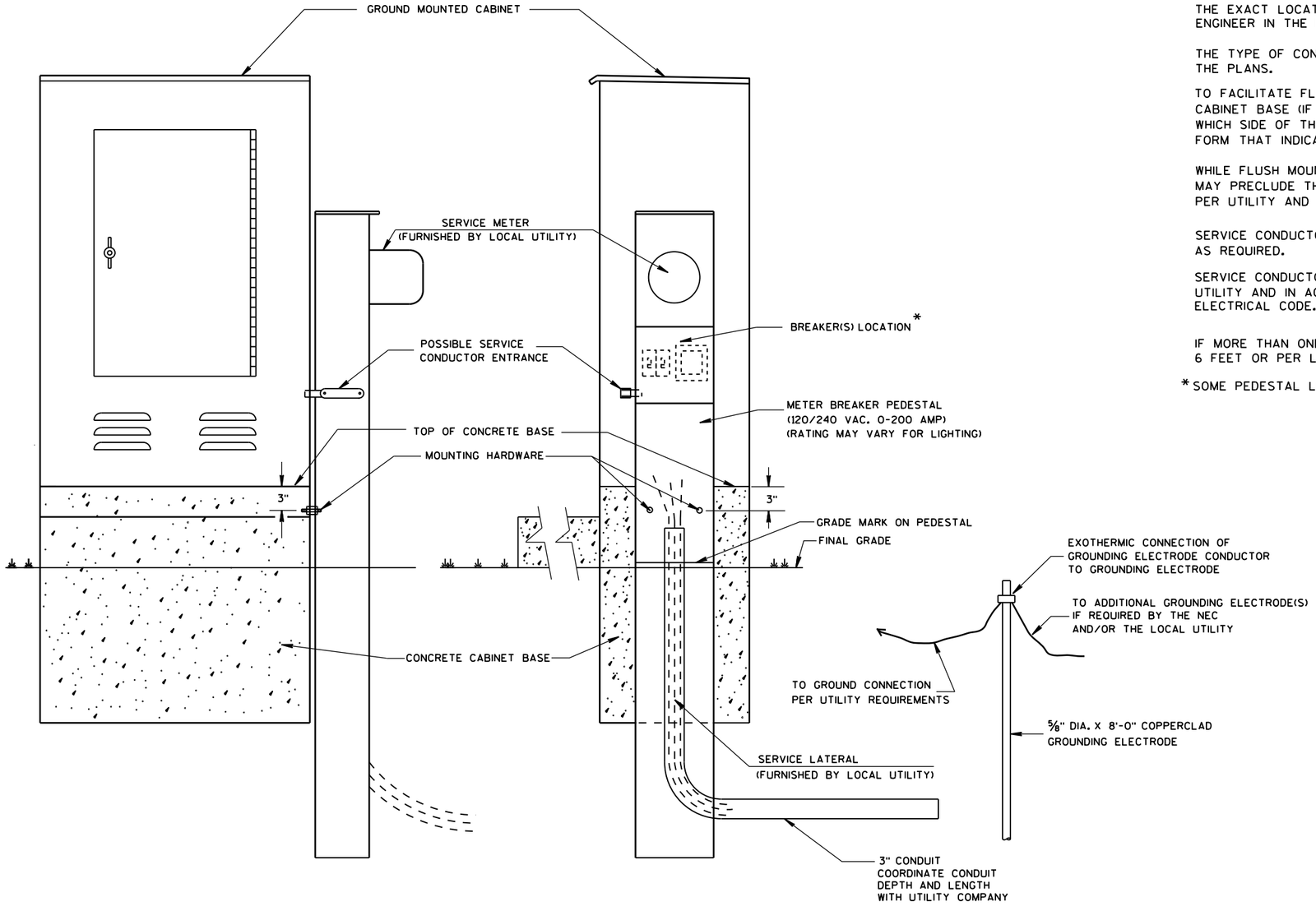
SDD 09C16-01



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

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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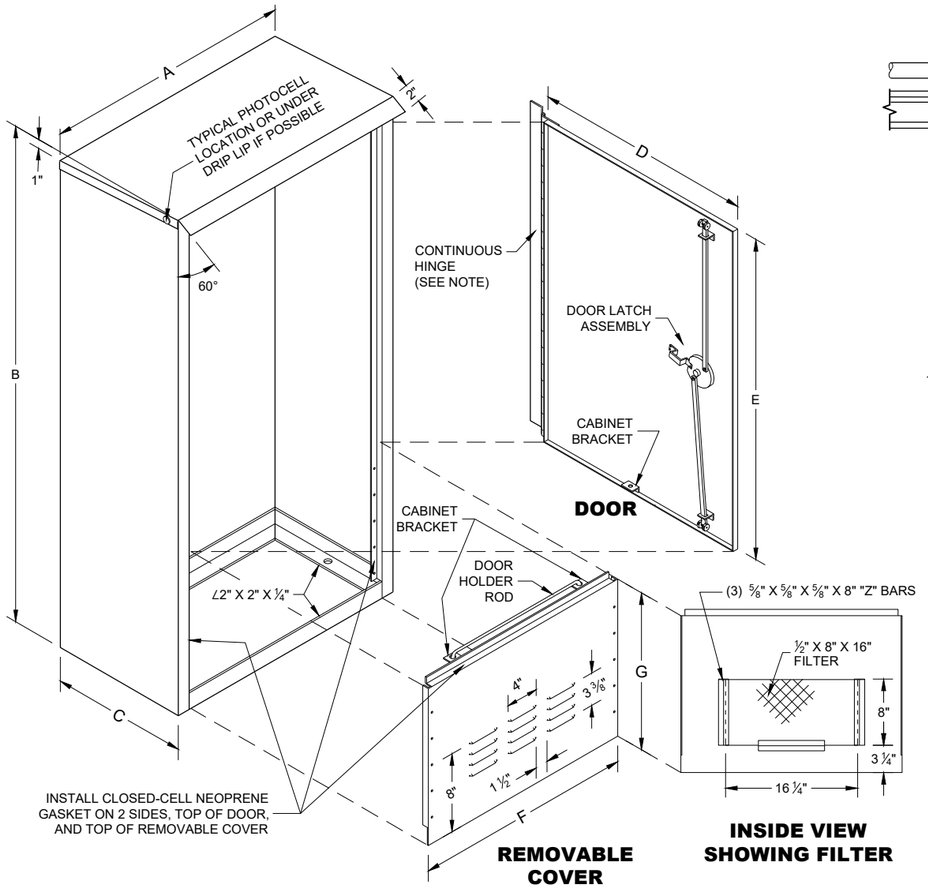
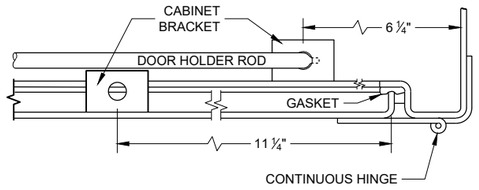
S.D.D. 9 D 1-5



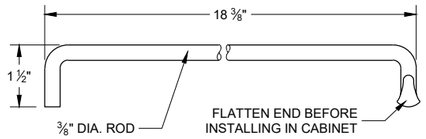
DOOR

REMOVABLE COVER

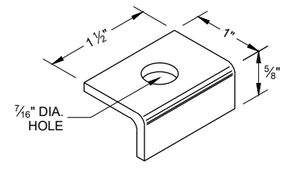
INSIDE VIEW SHOWING FILTER



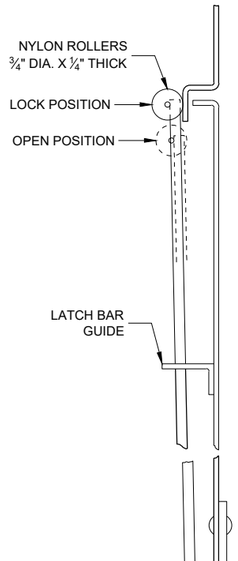
HINGE AND DOOR HOLDER

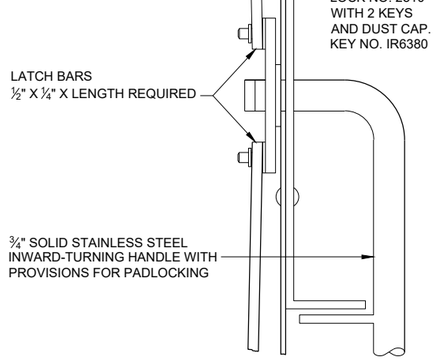


HOLDER ROD

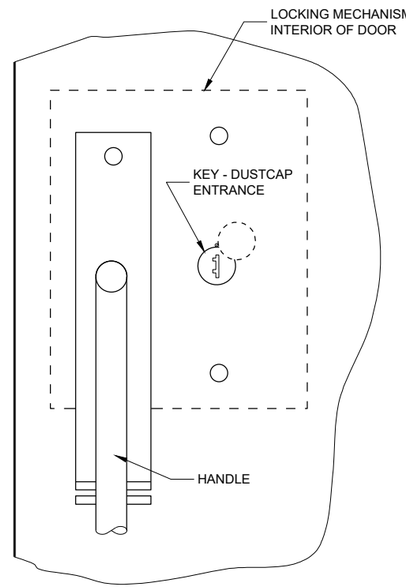


CABINET BRACKET





SIDE VIEW



FRONT VIEW

LATCH ASSEMBLY

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.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

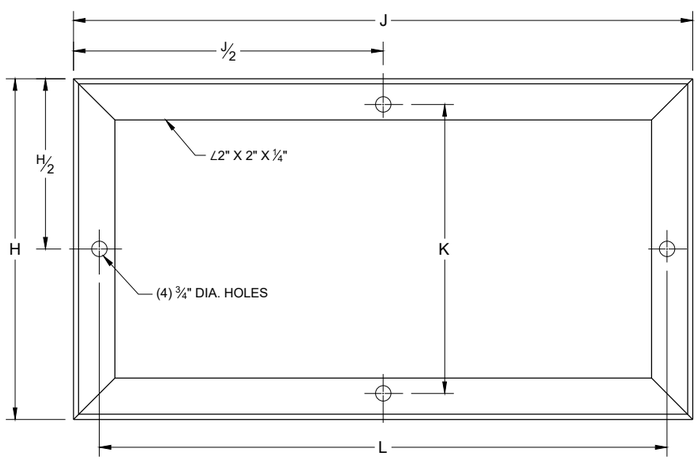
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

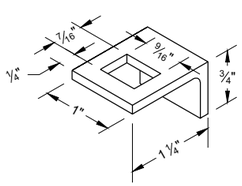
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

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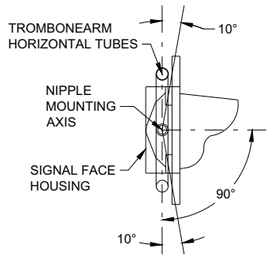
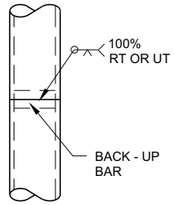


SECTION A-A

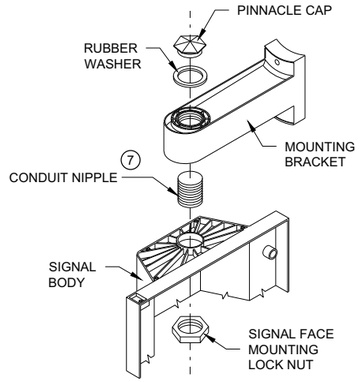
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

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

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING,PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

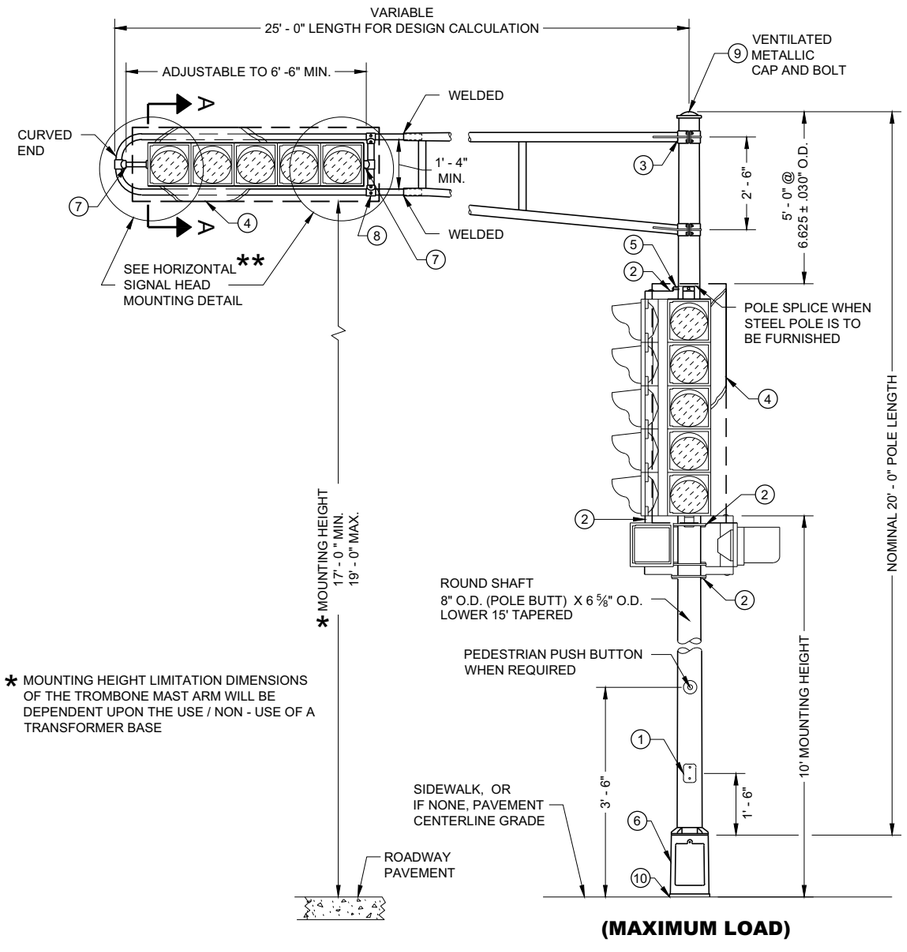
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

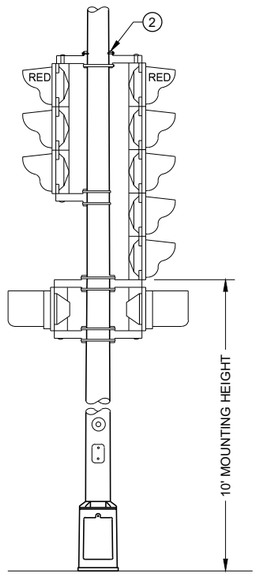
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

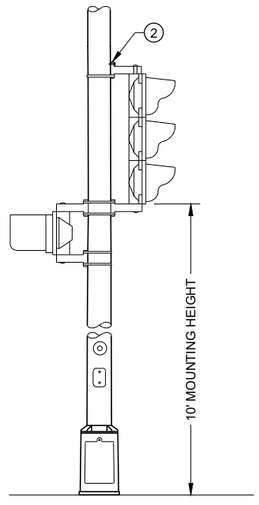


* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

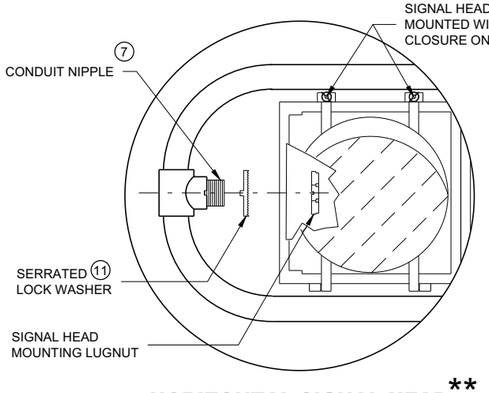
(MAXIMUM LOAD)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

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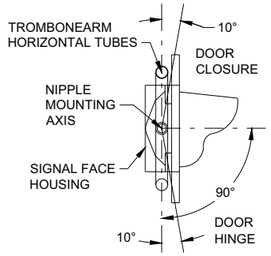
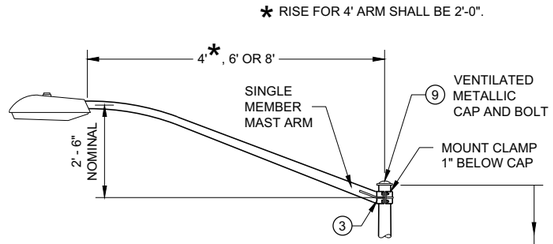
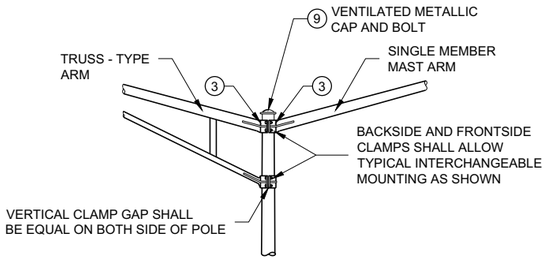
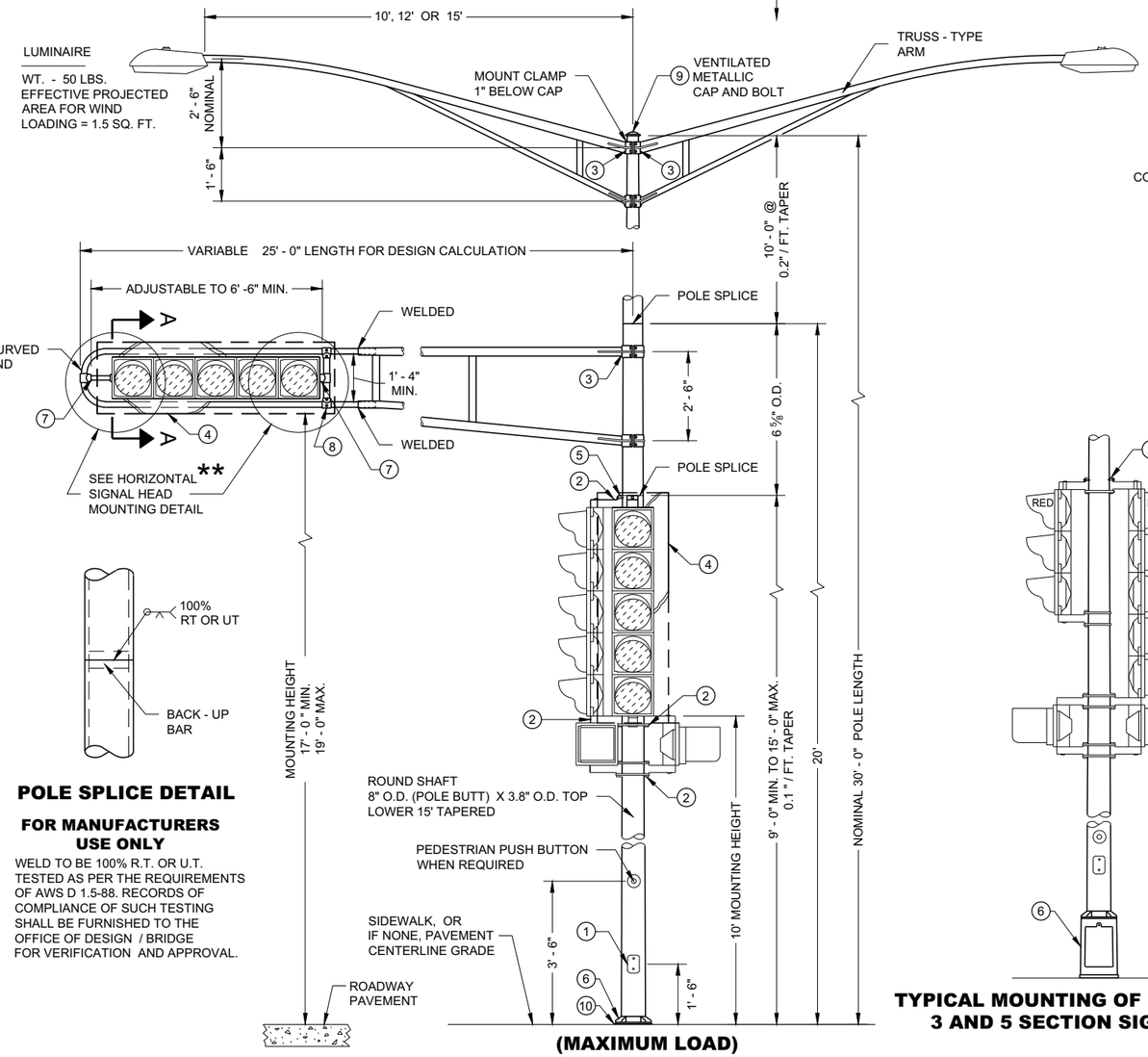


SECTION A-A

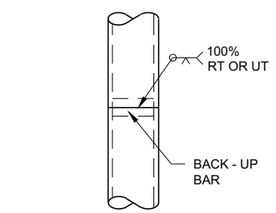




INTERCHANGEABLE MOUNTING DETAIL



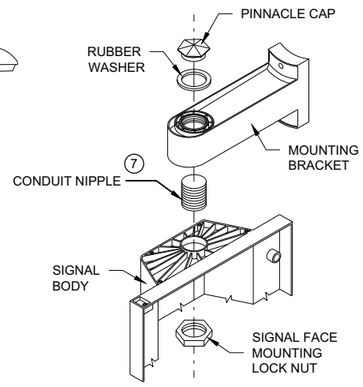
(MAXIMUM LOAD)



POLE SPLICE DETAIL

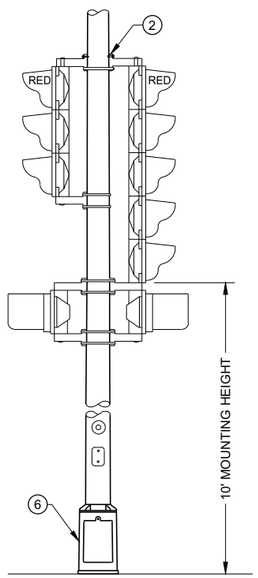
FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

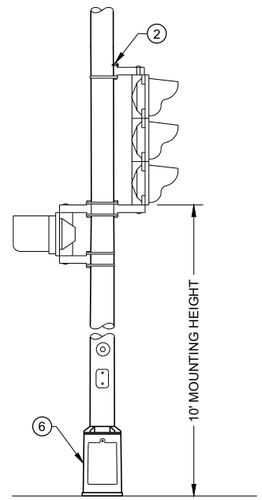


SIGNAL FACE MOUNTING DETAIL

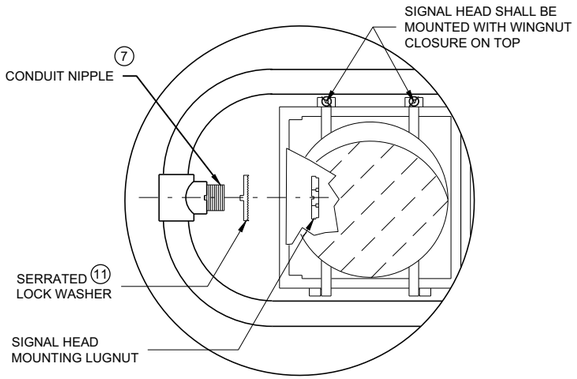
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 3 POLE MOUNTING CONFIGURATION

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

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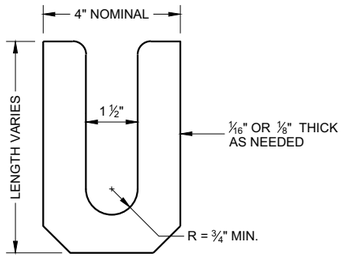
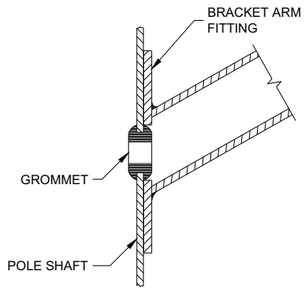
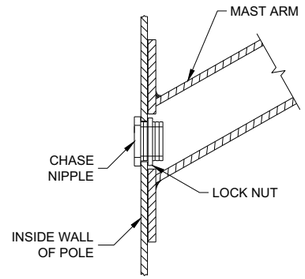


LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

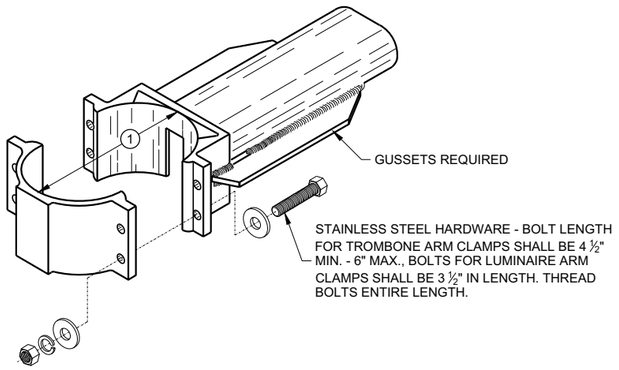
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

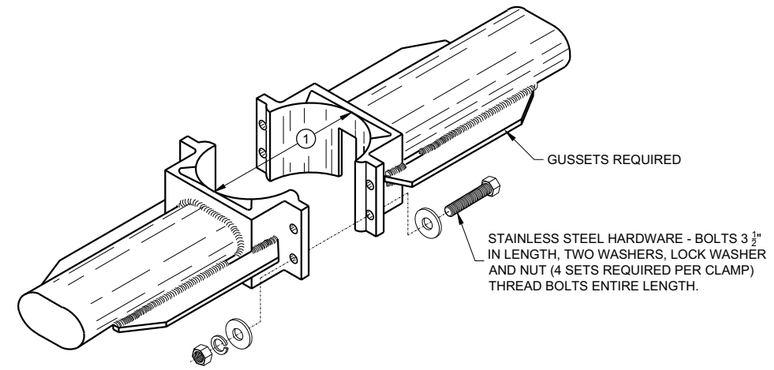
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

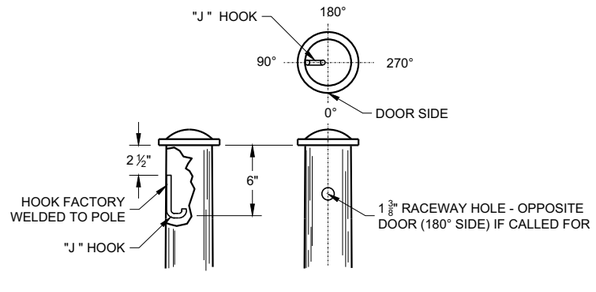
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



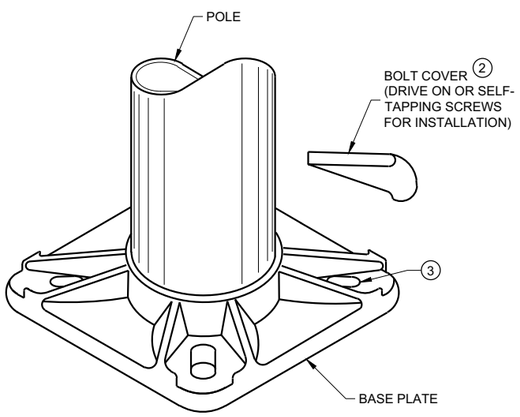
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



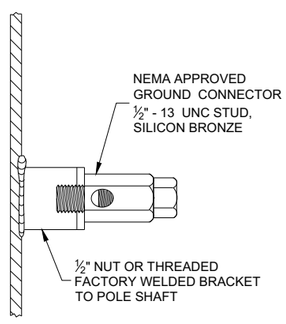
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

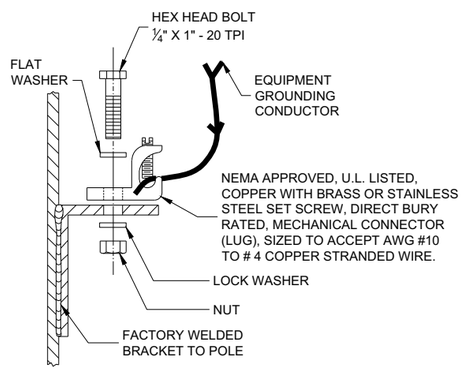


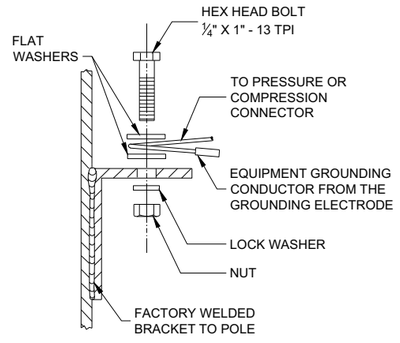
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 246

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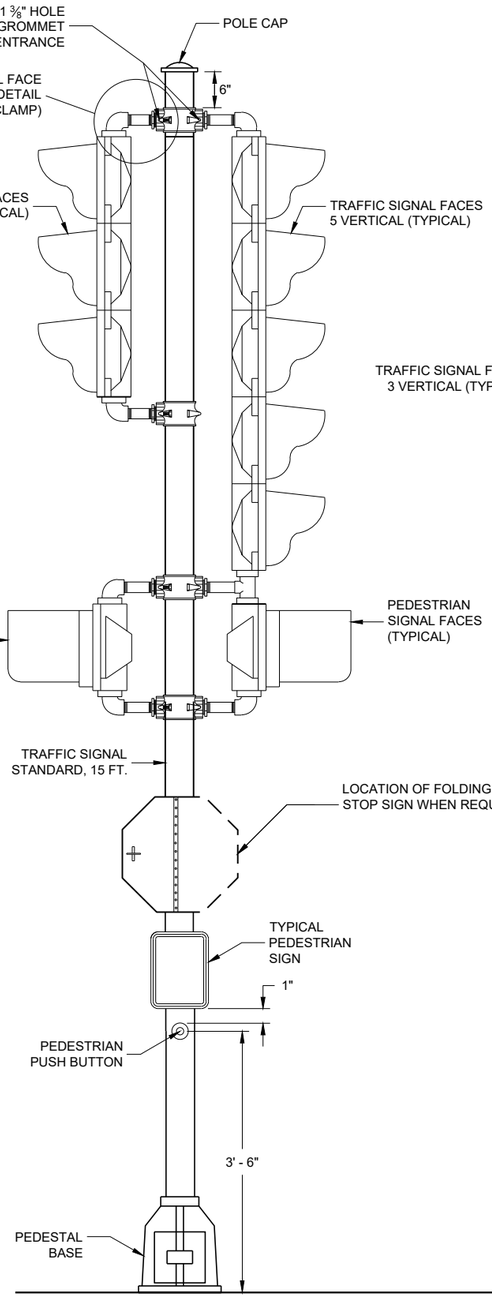
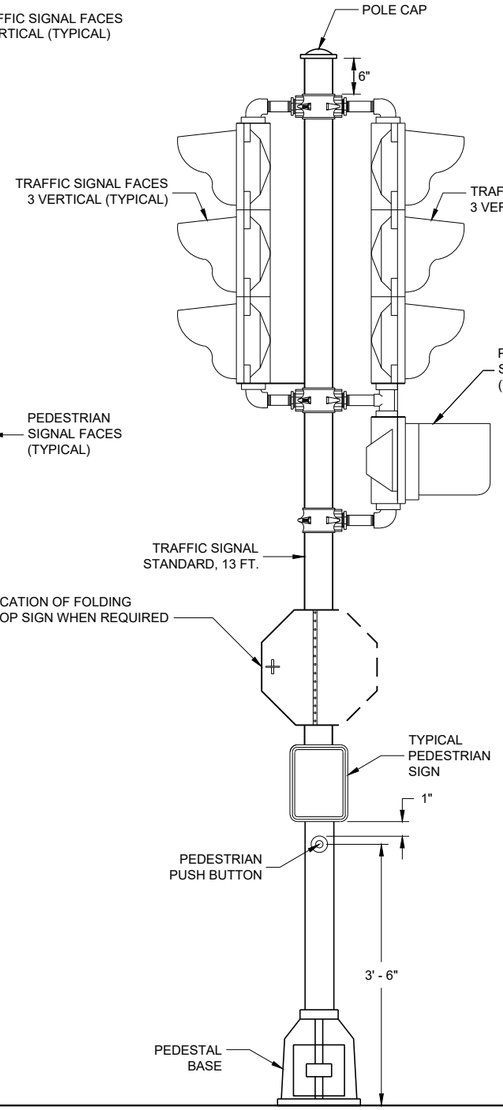
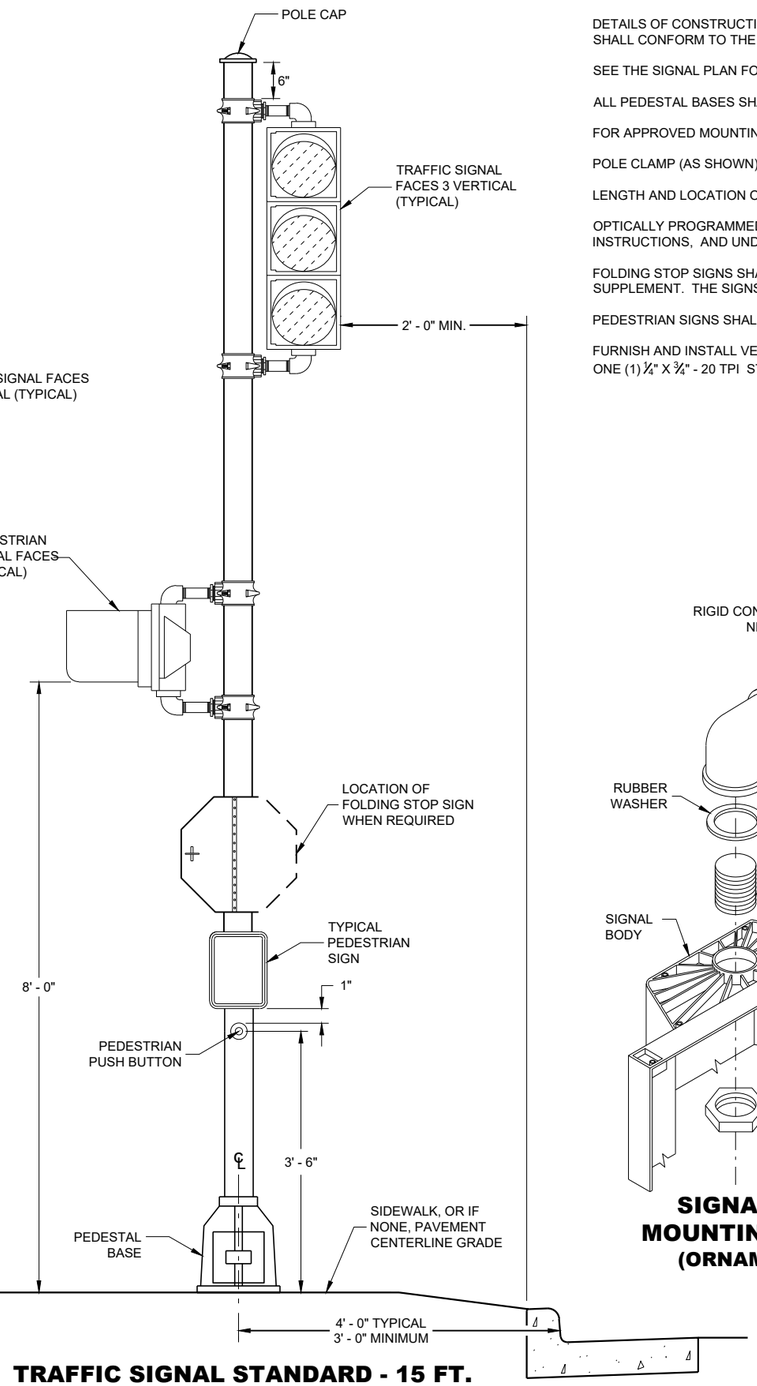


TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL STANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLE CLAMP (AS SHOWN) MOUNTING BRACKETS SHALL BE USED.

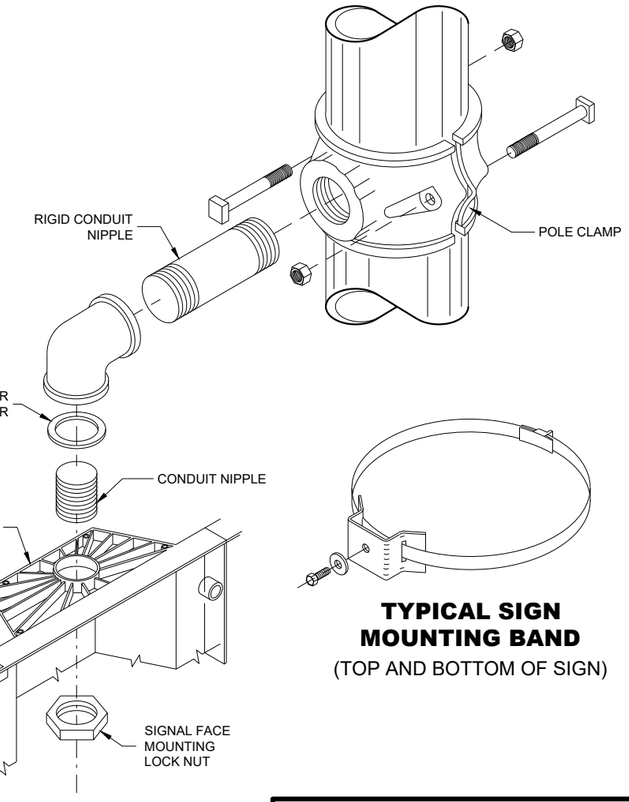
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL (ORNAMENTAL)

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

TRAFFIC SIGNAL STANDARD ORNAMENTAL BRACKET MOUNTINGS TYPICAL FOR 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE

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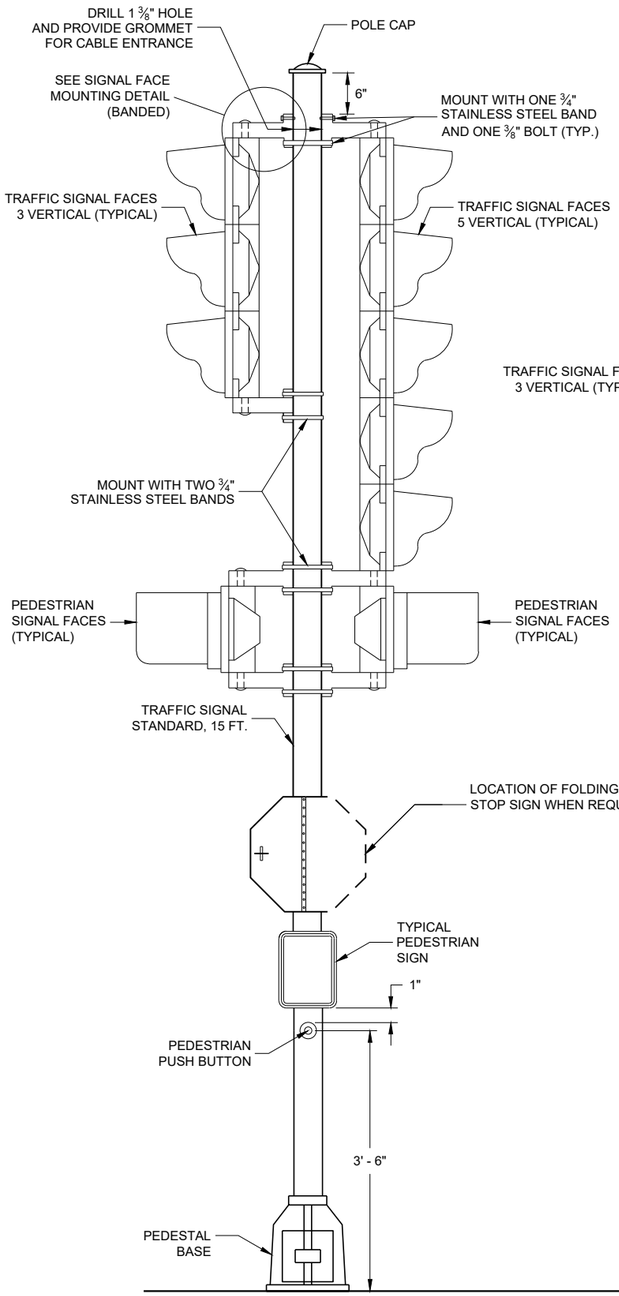
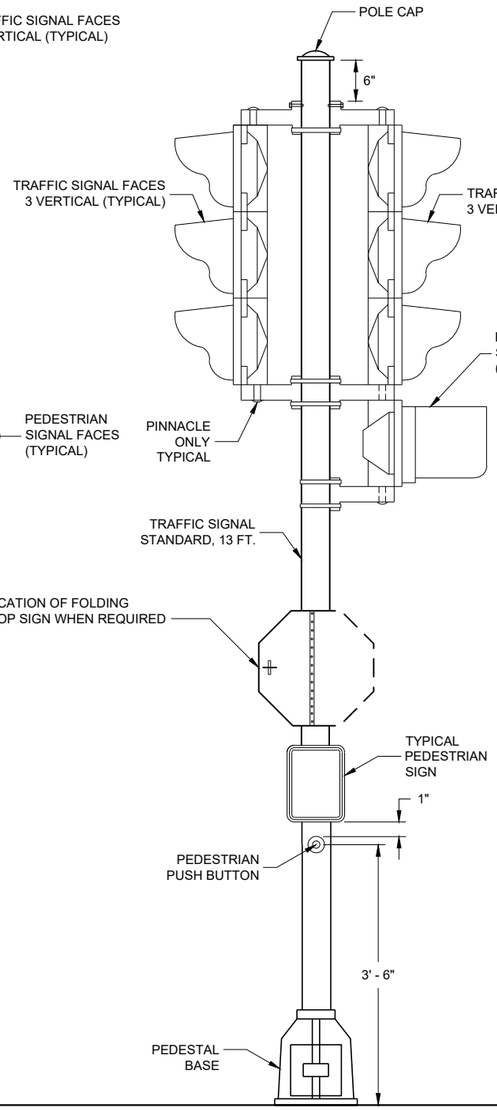
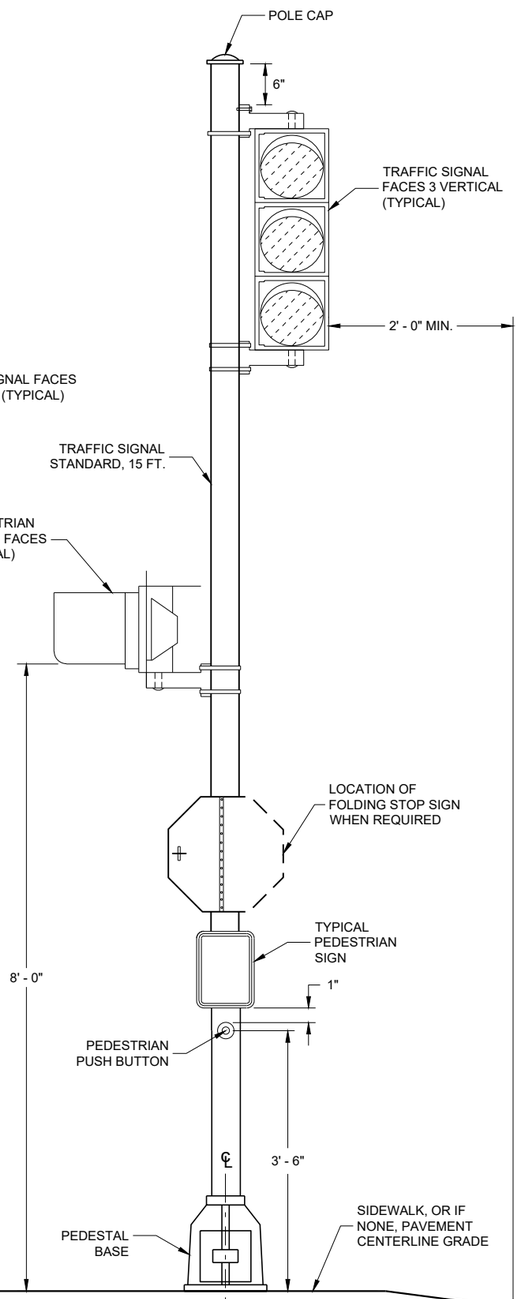


TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

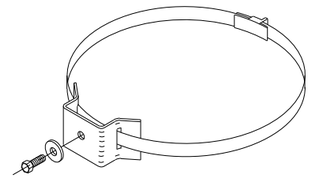
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

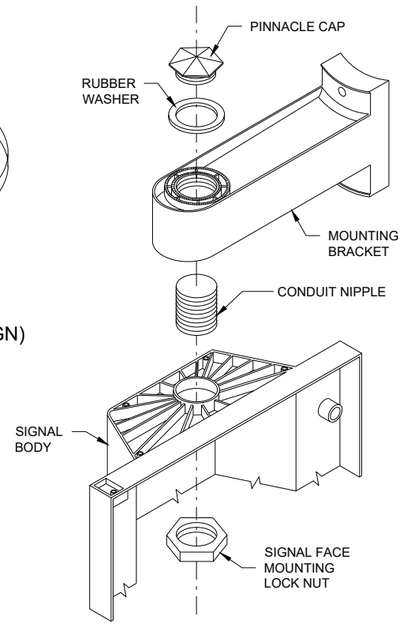
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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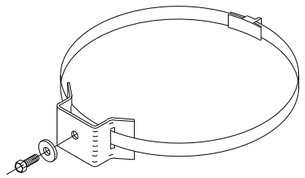
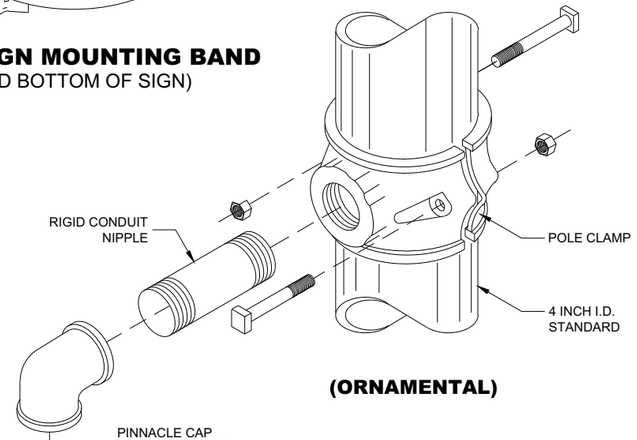
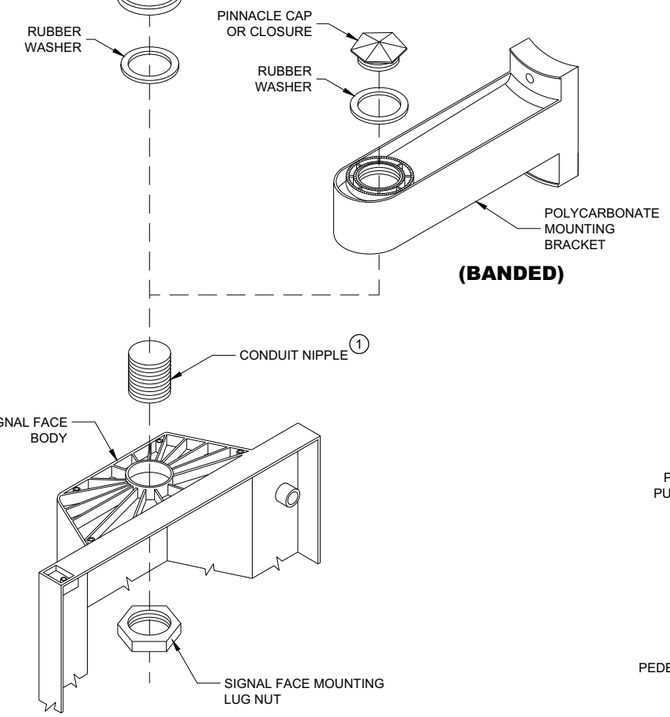


TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

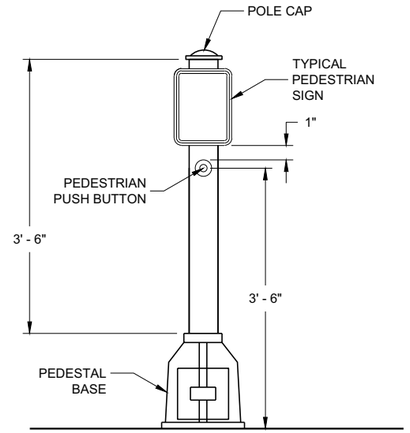


(ORNAMENTAL)



(BANDED)

SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

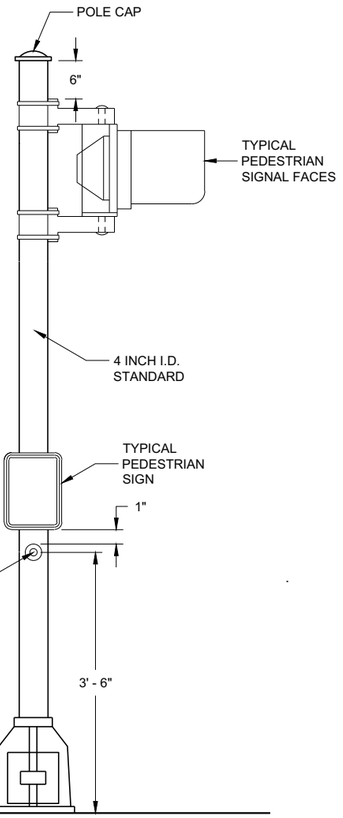
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

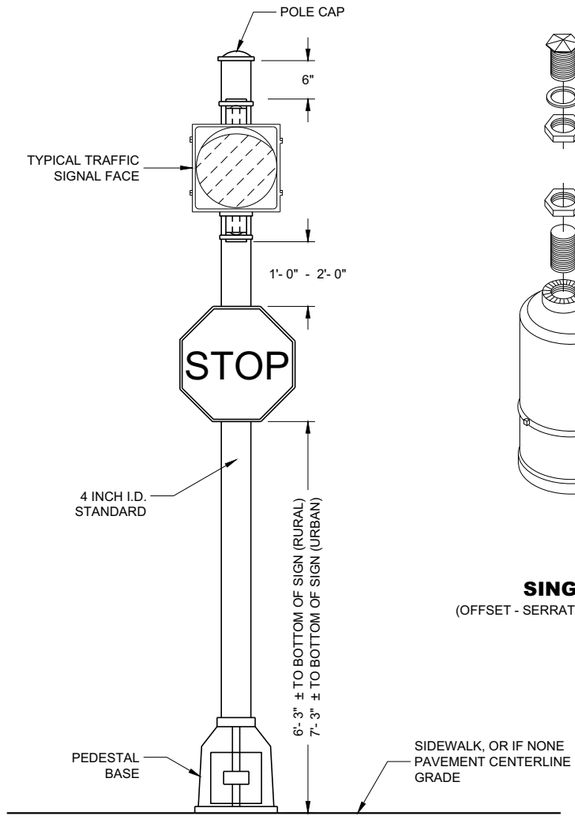
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

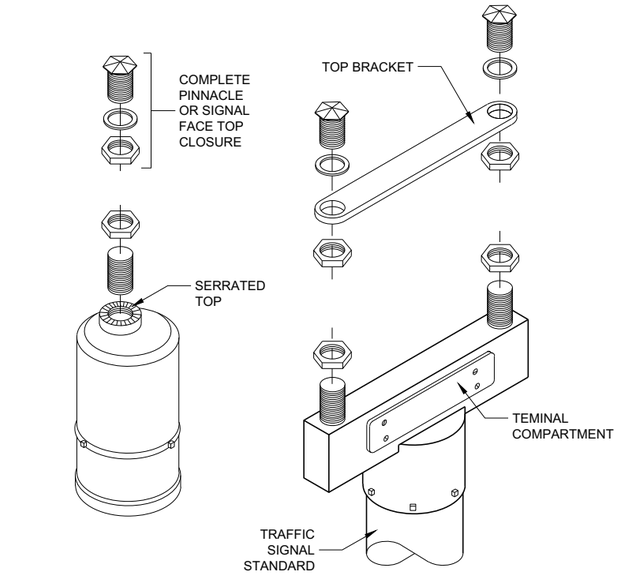
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

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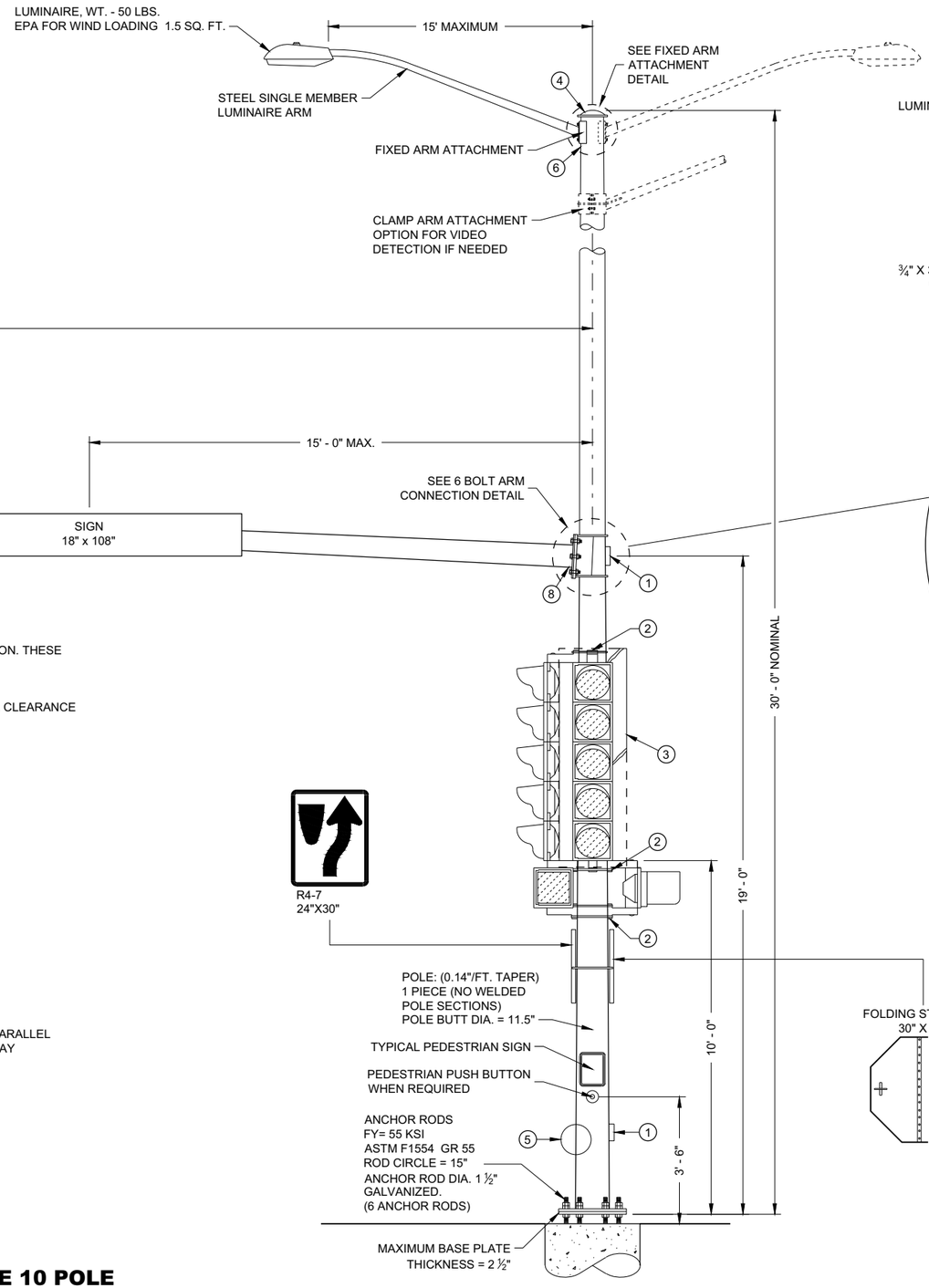
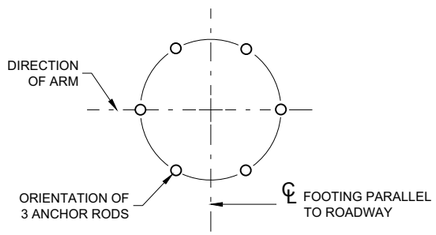
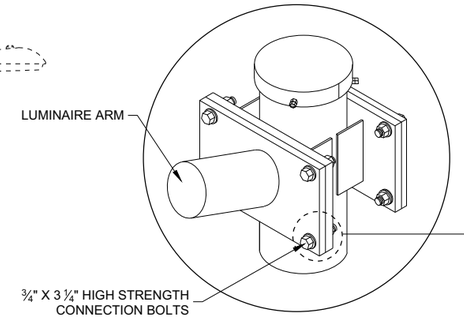


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

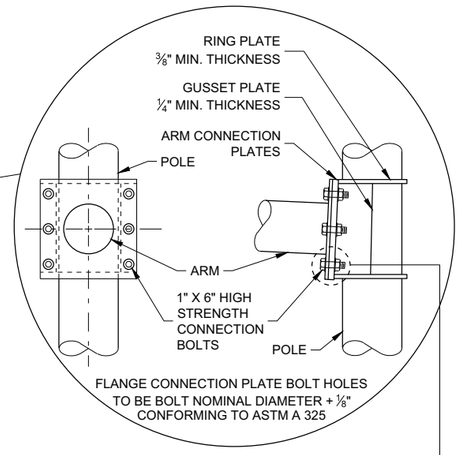
** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE



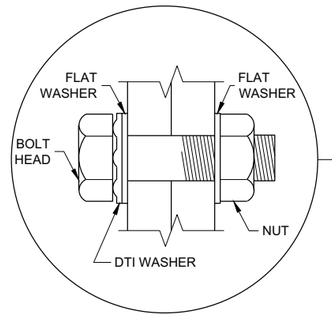
ANCHOR ROD LOCATION



FIXED ARM ATTACHMENT DETAIL



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 POLE
15' - 30' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
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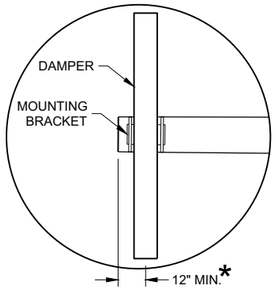
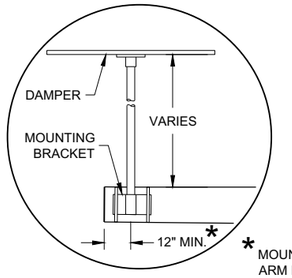
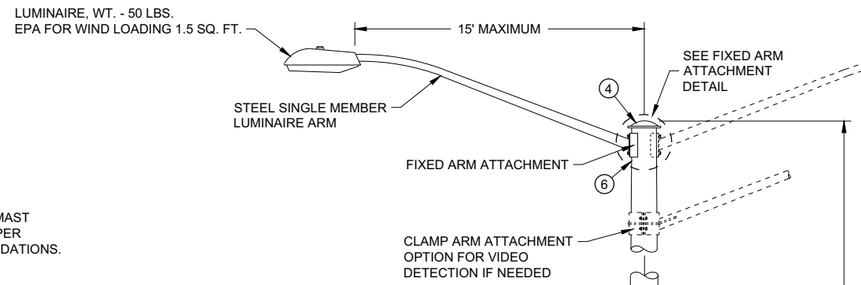


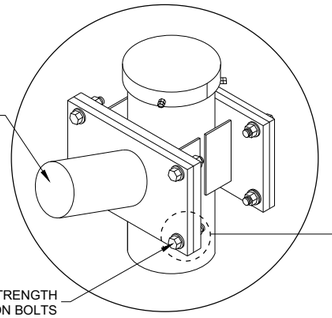
DUMBBELL VIBRATION DAMPER



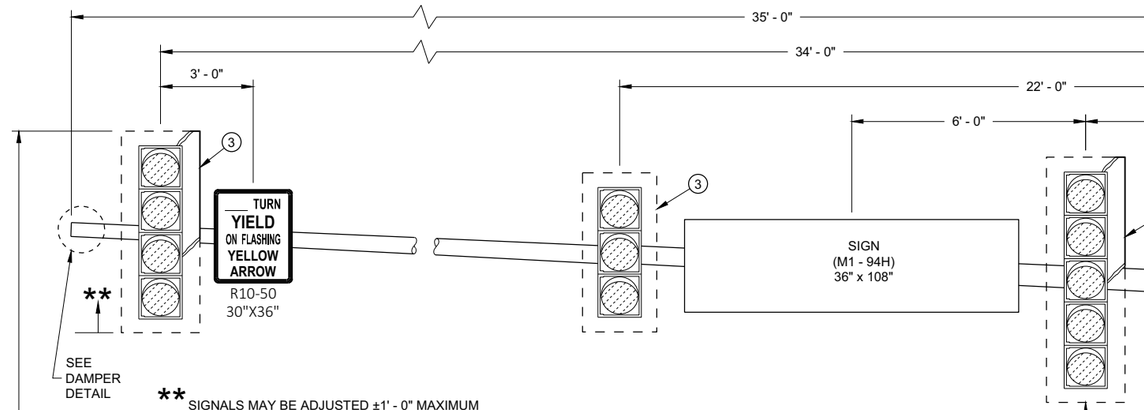
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.

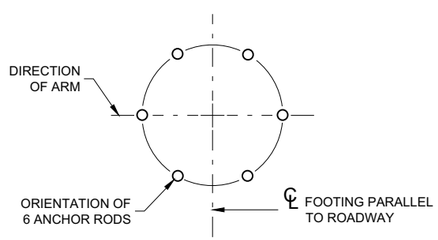




FIXED ARM ATTACHMENT DETAIL

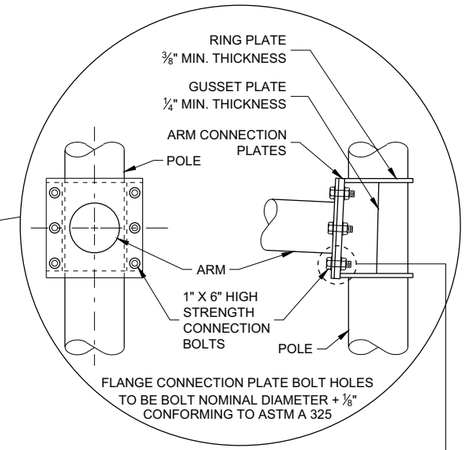


** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

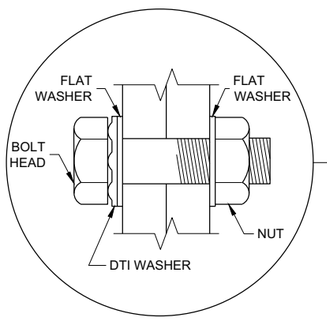


ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

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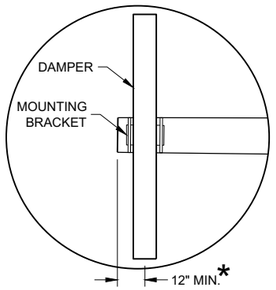
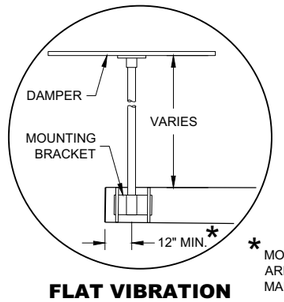
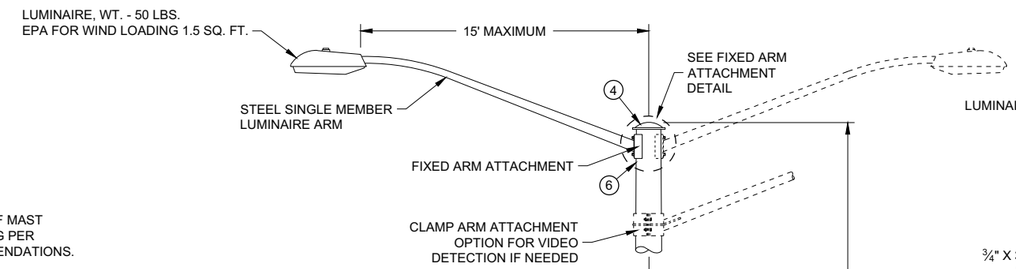


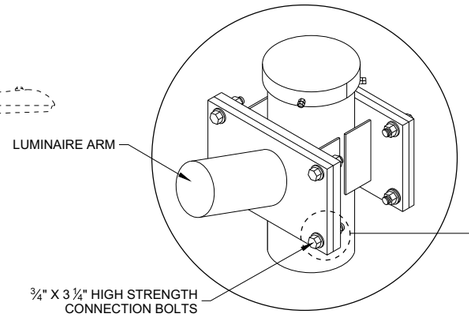
DUMBBELL VIBRATION DAMPER



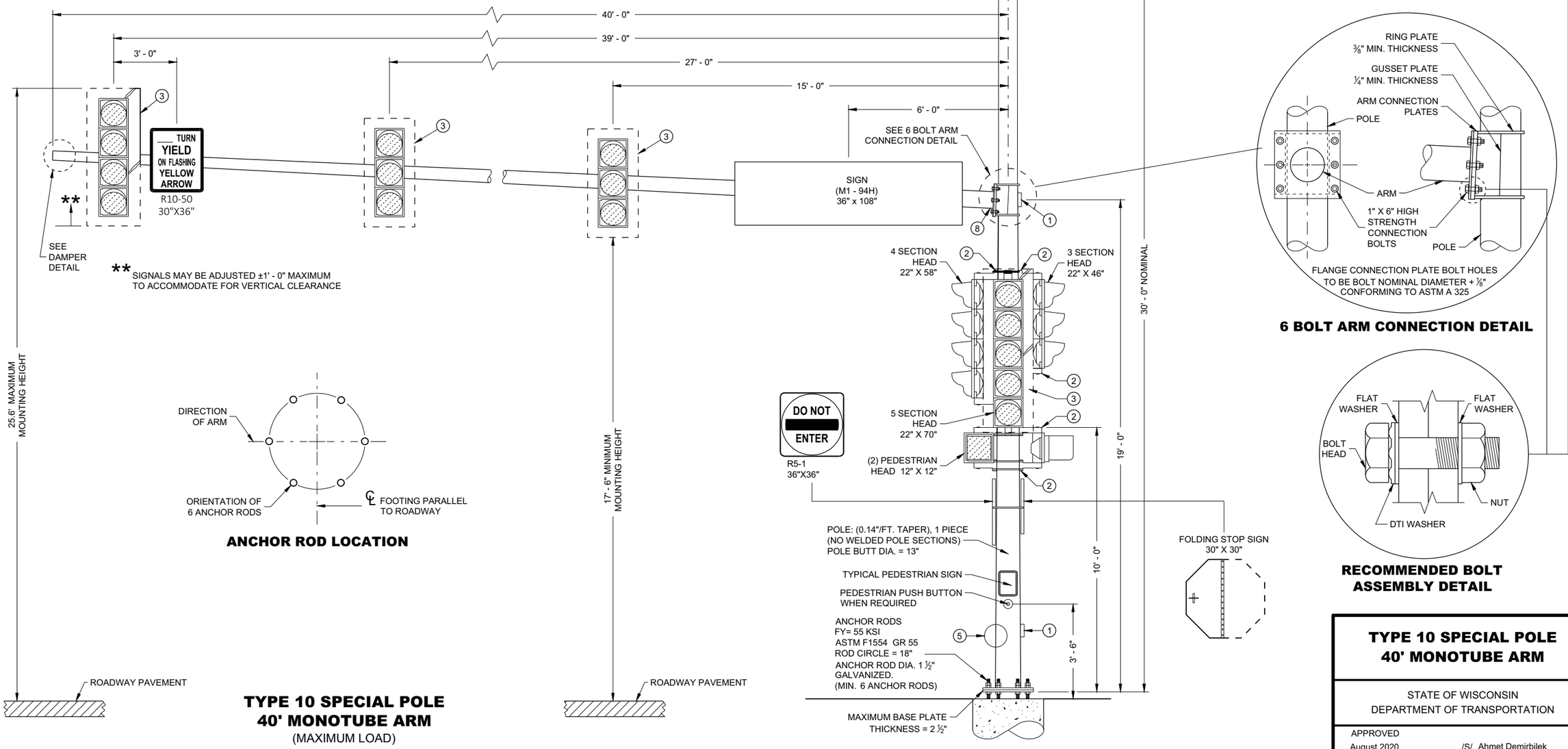
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





FIXED ARM ATTACHMENT DETAIL



** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM
(MAXIMUM LOAD)

6 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
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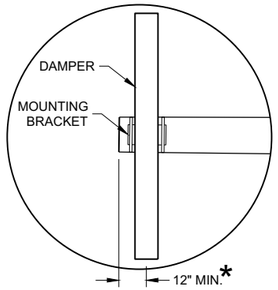
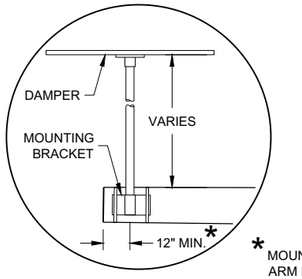
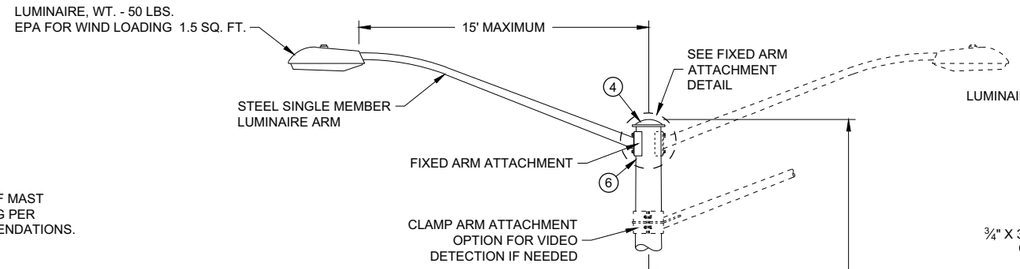


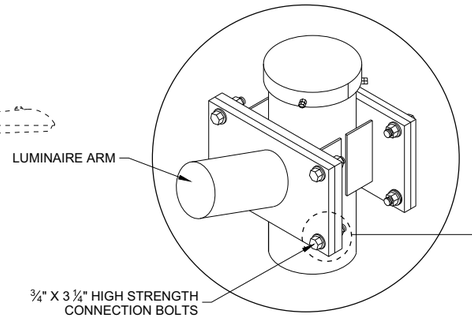
DUMBBELL VIBRATION DAMPER



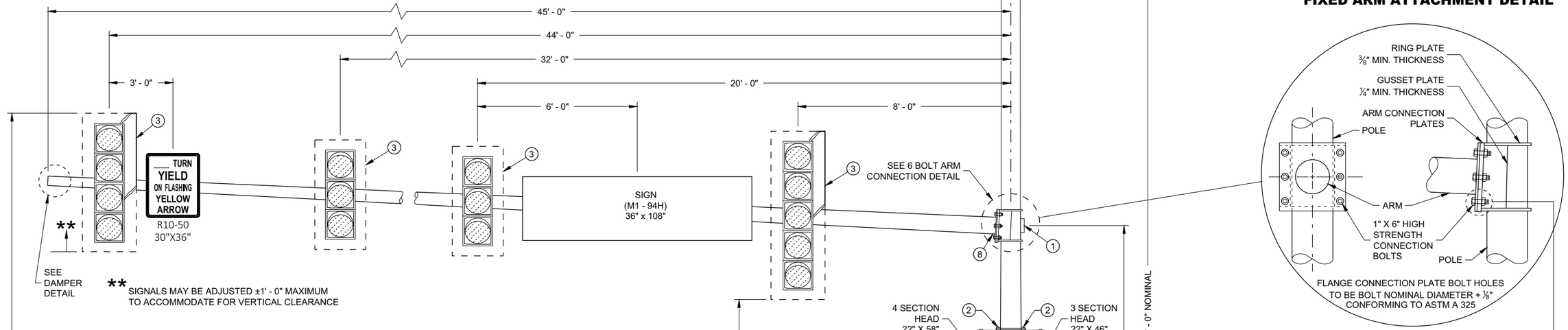
FLAT VIBRATION DAMPER

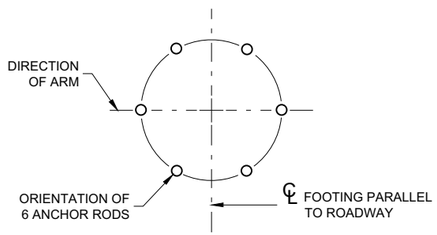
* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





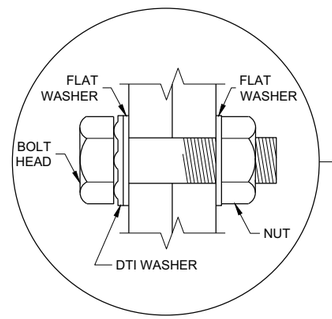
FIXED ARM ATTACHMENT DETAIL





ANCHOR ROD LOCATION

6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
45' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
45' MONTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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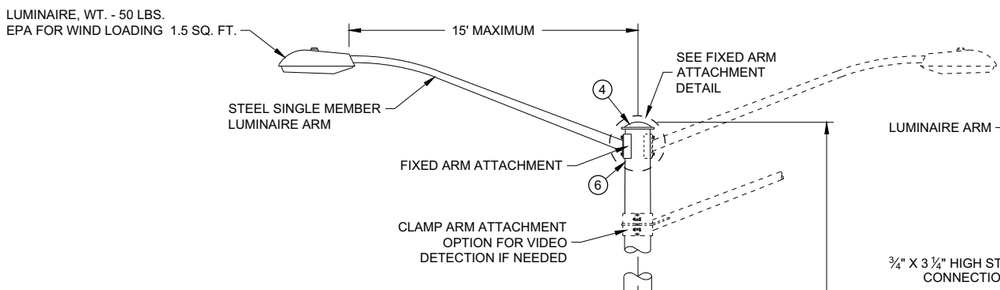
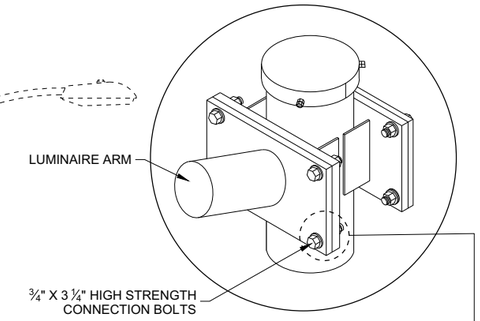
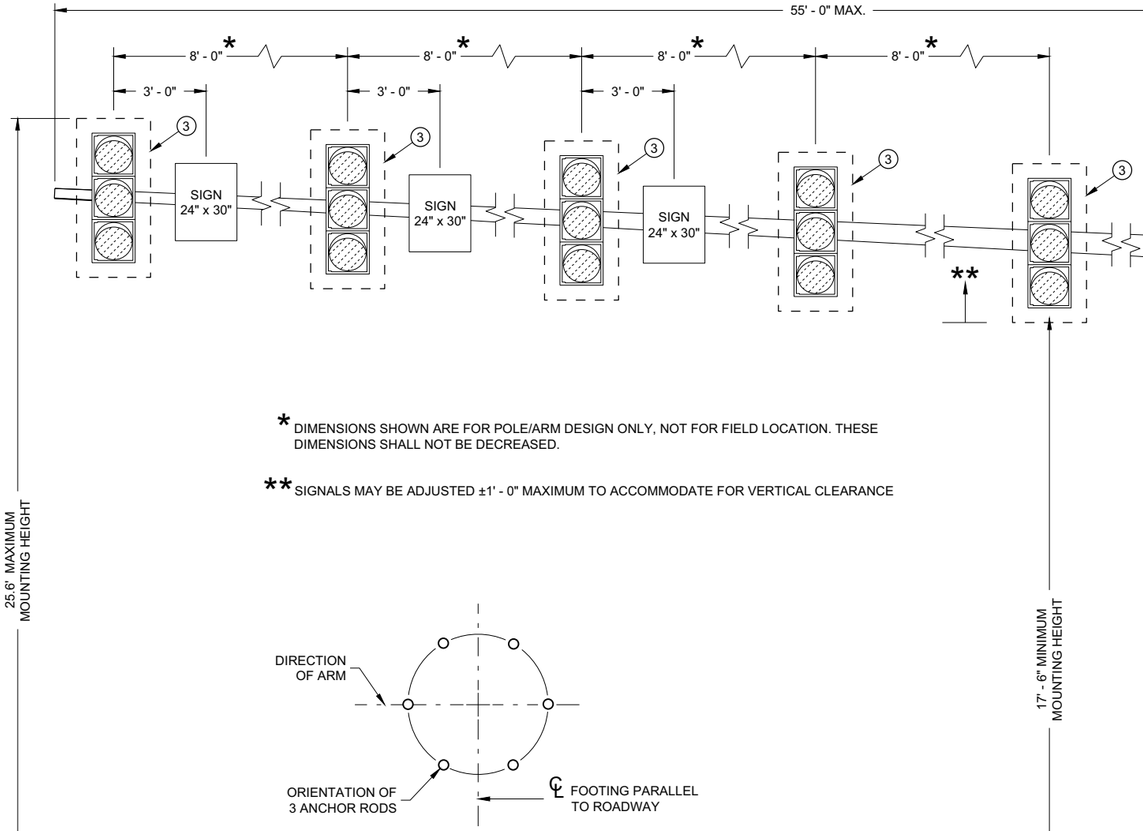
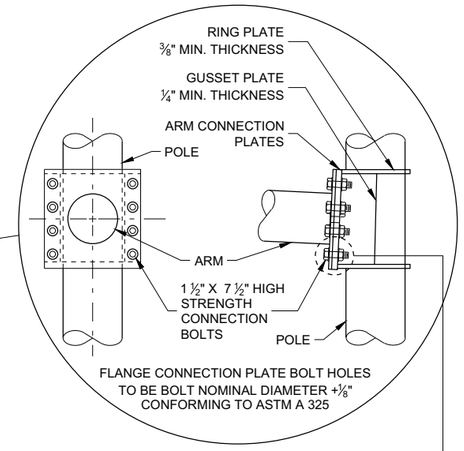


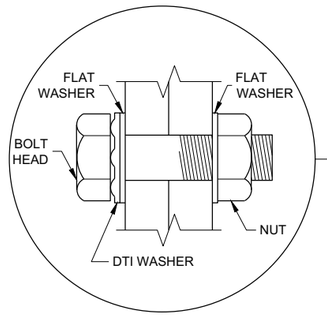


FIXED ARM ATTACHMENT DETAIL





8 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

TYPE 13 POLE
35' - 55' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 254

FHWA

6
SDD 09E08 - 09j

GENERAL NOTES

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

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

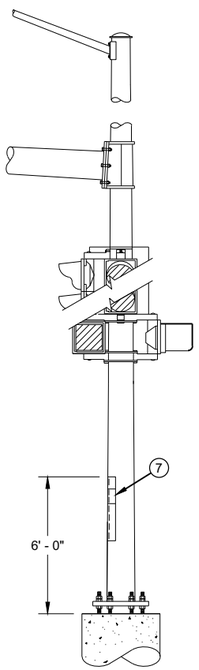
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

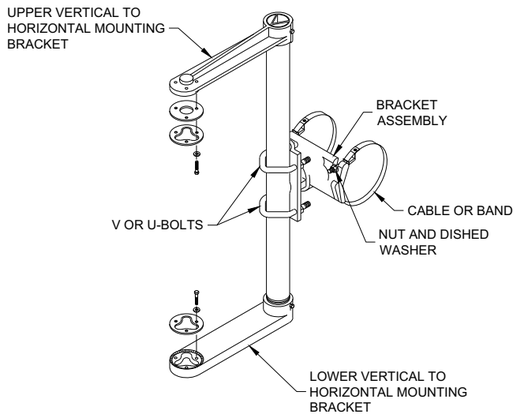
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

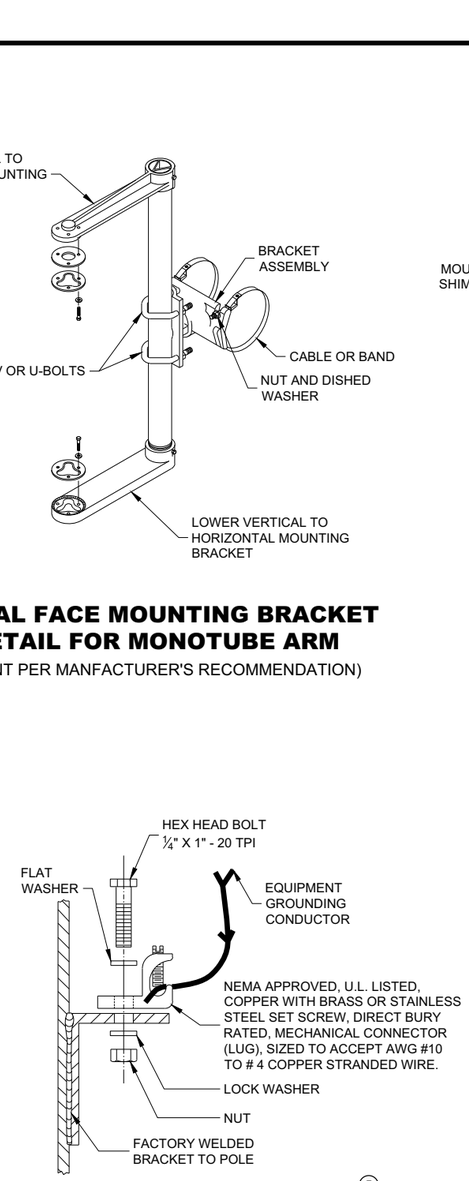


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



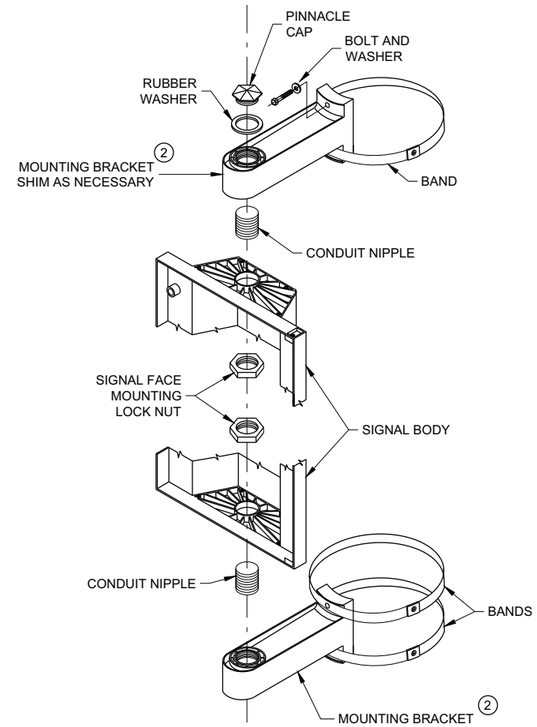
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

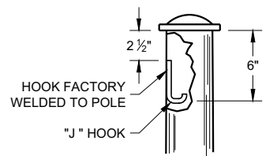


TYPICAL GROUNDING (5) CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK (6) WIRE SUPPORT

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER

FHWA

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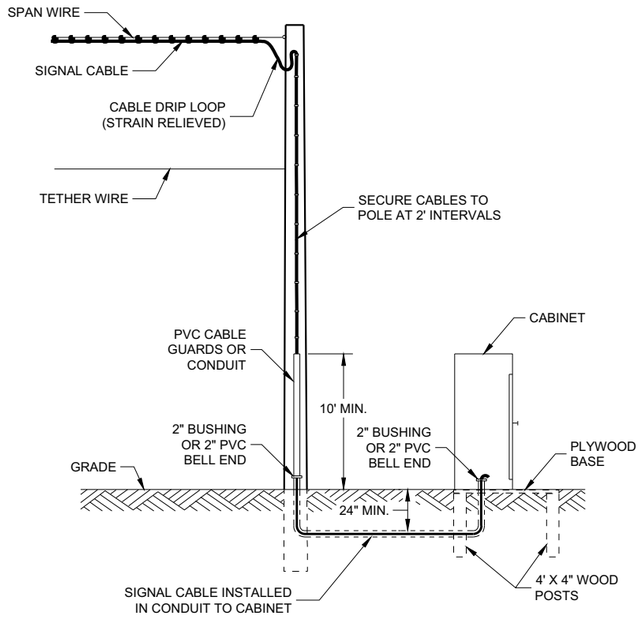
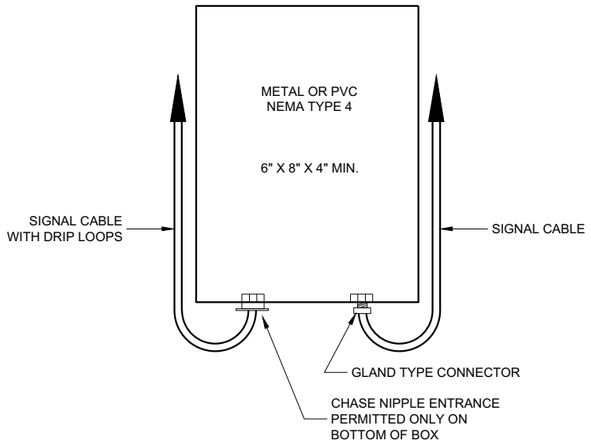
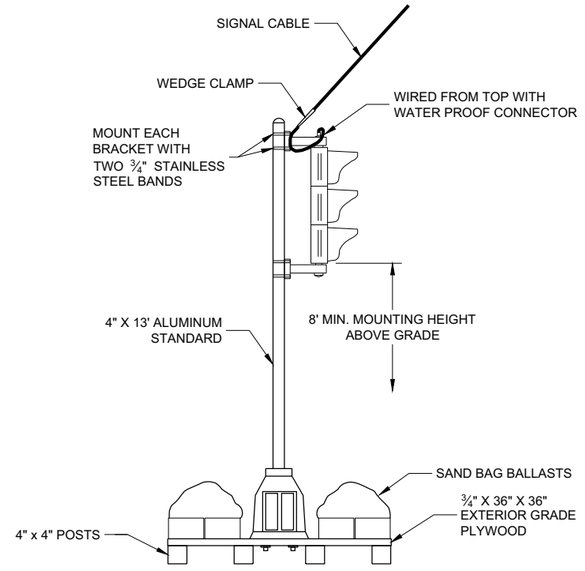
SDD 09E08 - 09k

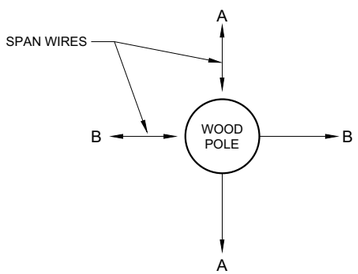




SPLICE BOX

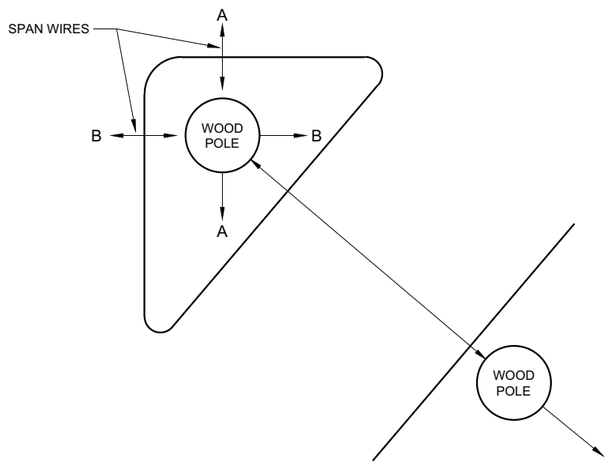


TYPICAL SKID TYPE TEMPORARY

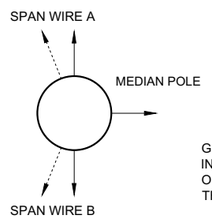


ALL DOWN OR SIDEWALK GUYS SHALL BE INSTALLED IN THE OPOSITE DIRECTION OF THE STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM INTERSECTION OR IN OPPOSITE DIRECTION OF THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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SDD 09G01 - 4g

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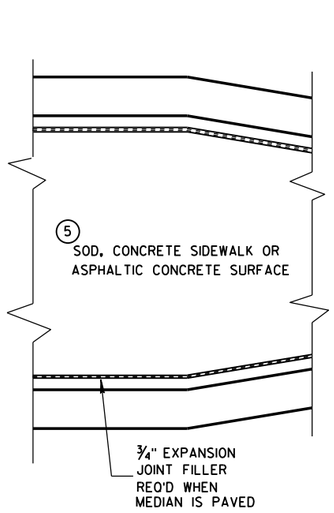
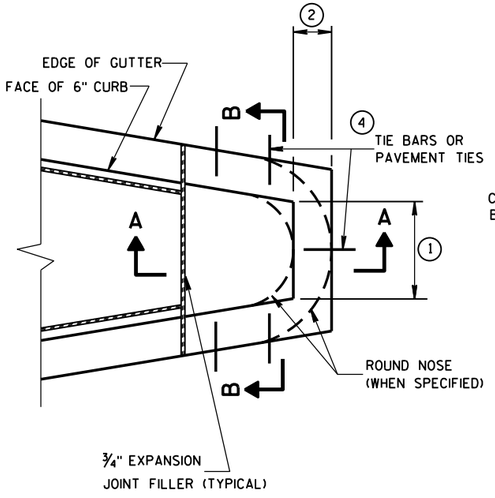
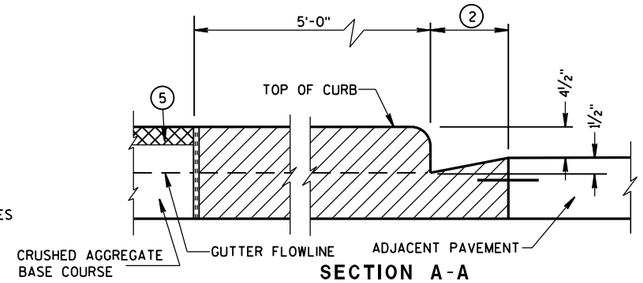
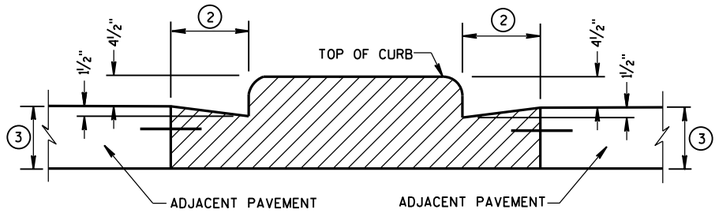
SDD 09G01 - 4g







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

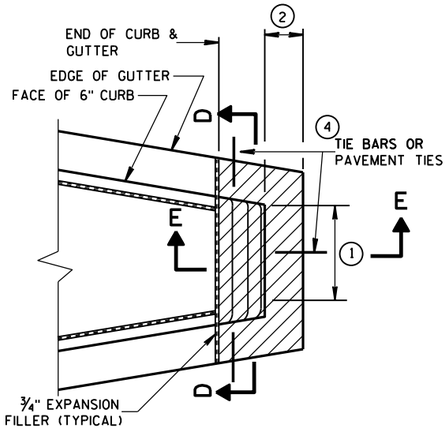
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

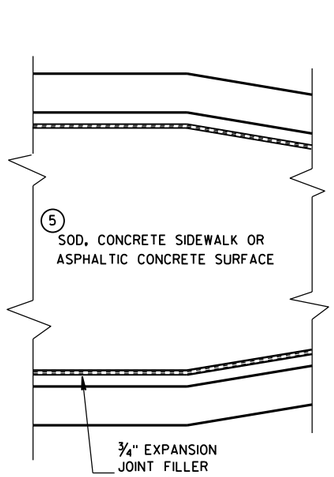
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

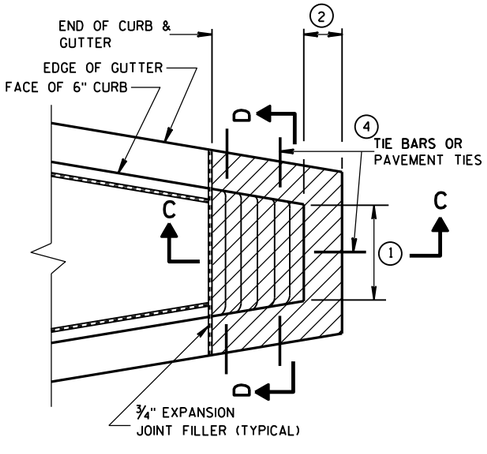
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

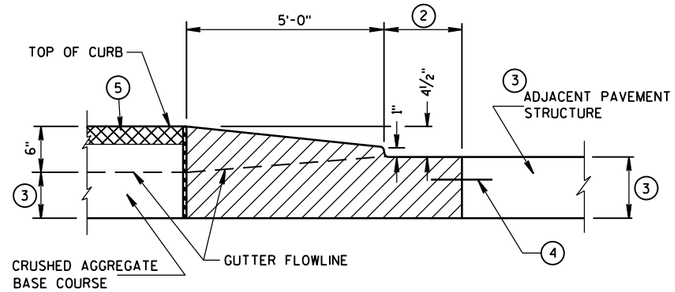
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



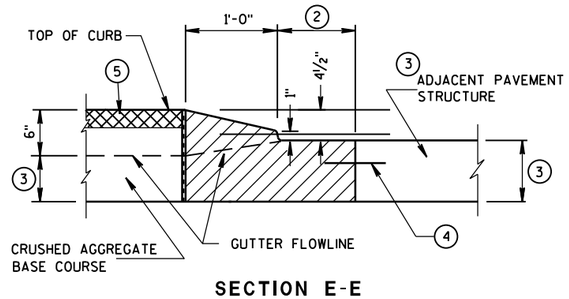




CONCRETE MEDIAN SLOPED NOSE TYPE 1

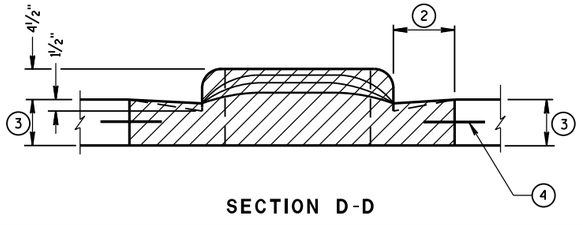


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

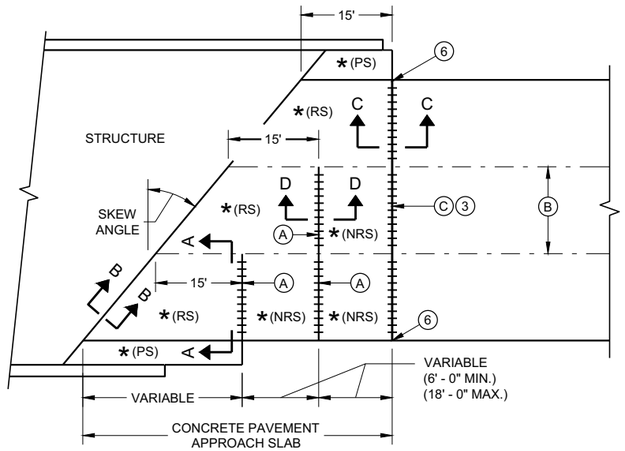


SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA



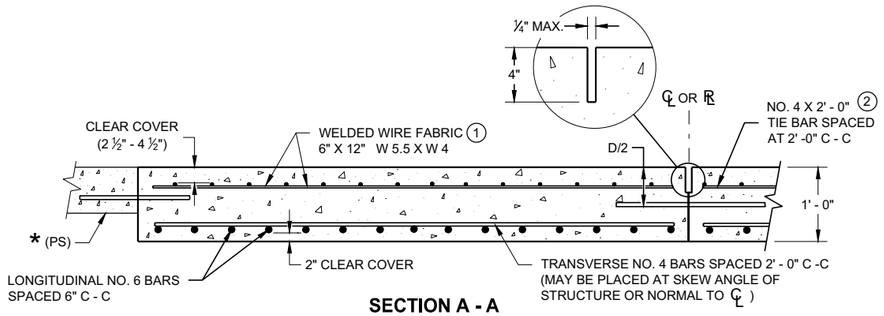
SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)

* (RS) = REINFORCED CONCRETE SLAB

* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

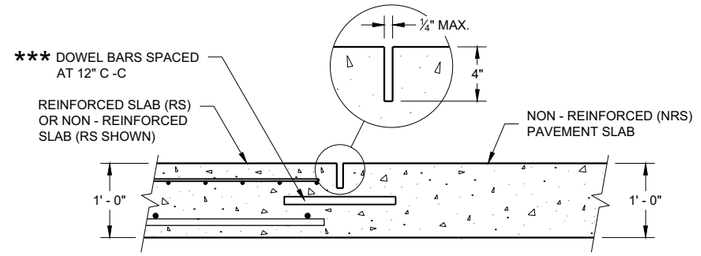
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

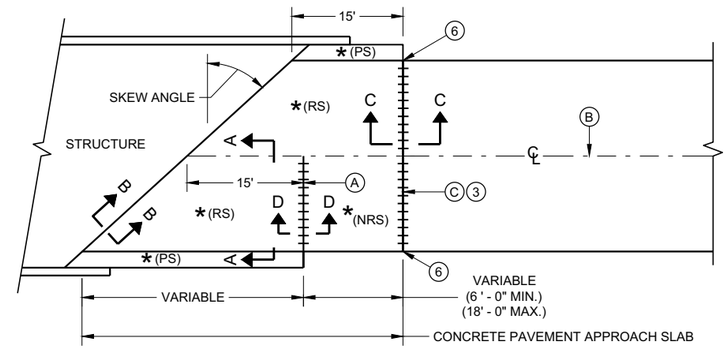
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞ .

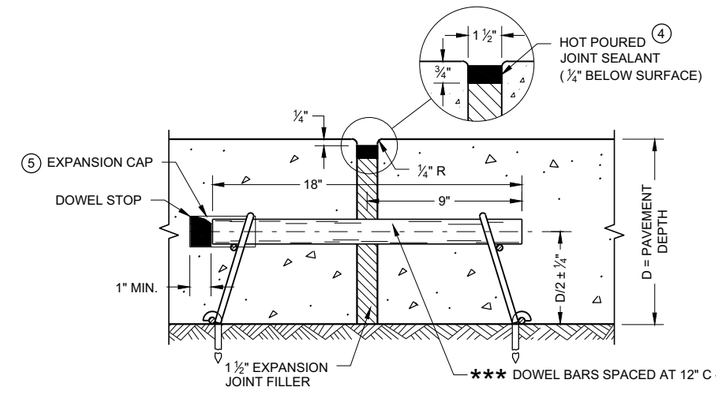


SECTION D - D
CONTRACTION JOINT

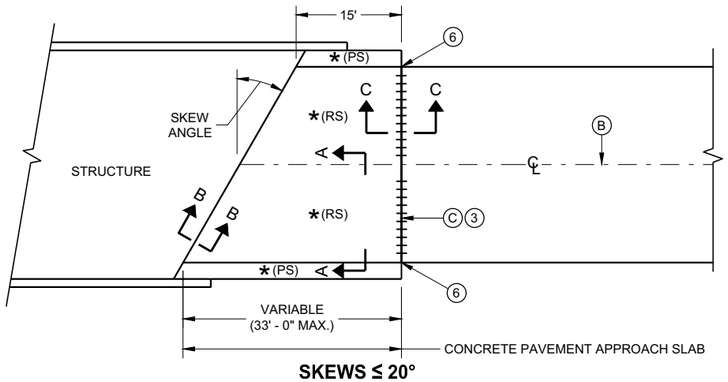


SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')

SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT

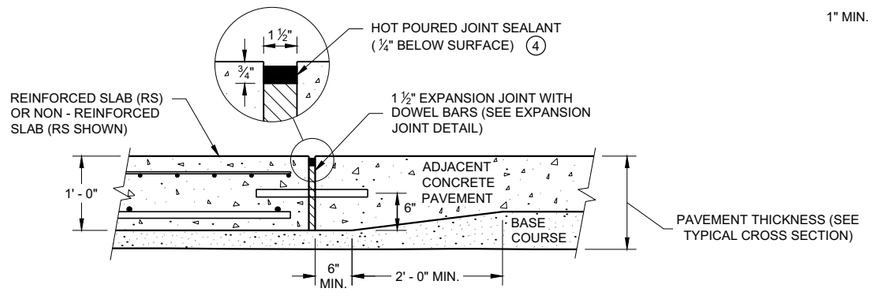


EXPANSION JOINT DETAIL



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

APPROACH SLAB AND ADJACENT PAVEMENT



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

FHWA

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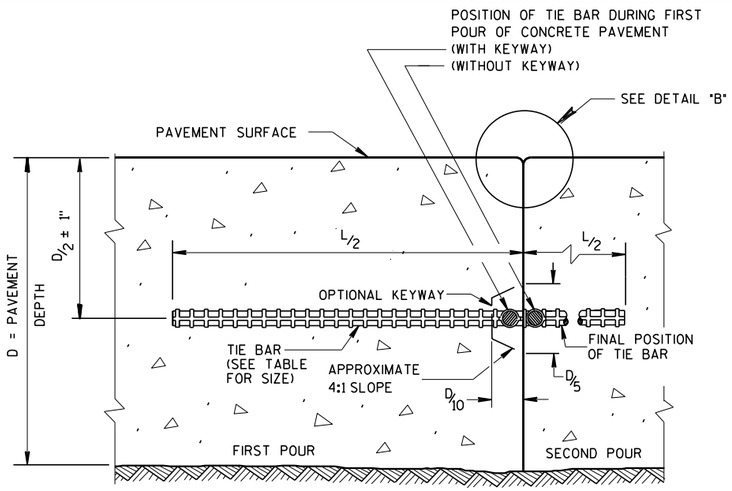
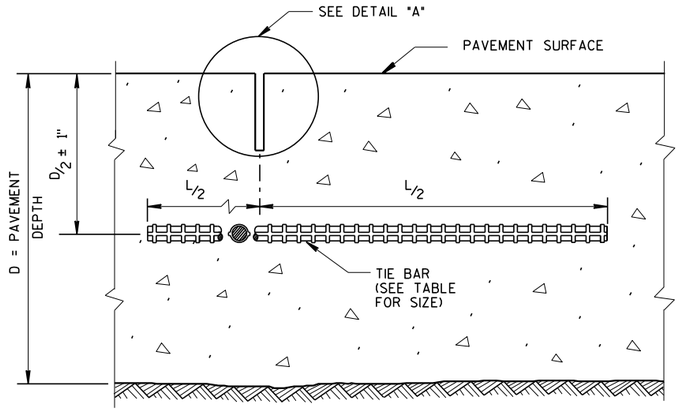
SDD 13B02 - 09a



CONSTRUCTION JOINT



SAWED JOINT

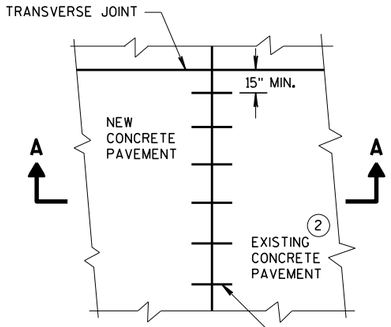
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

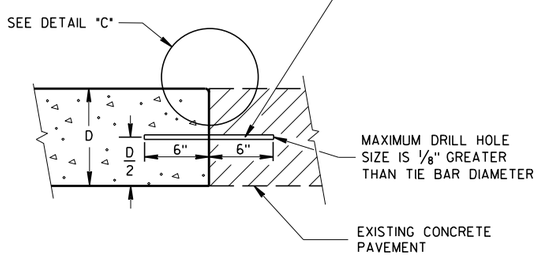
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

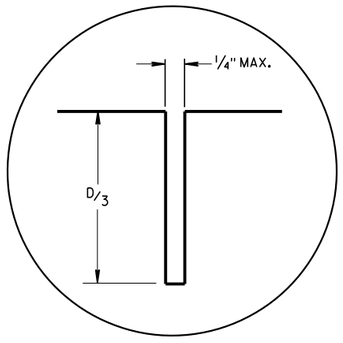


PLAN VIEW

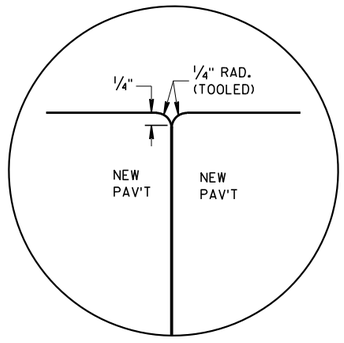


SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



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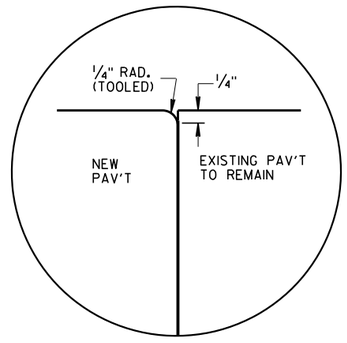


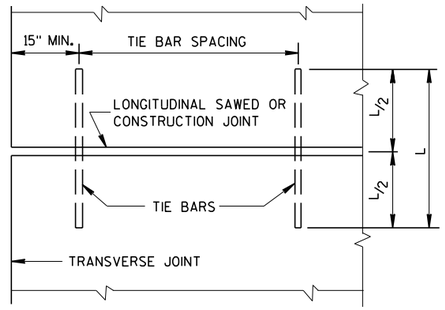
DETAIL "C"

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

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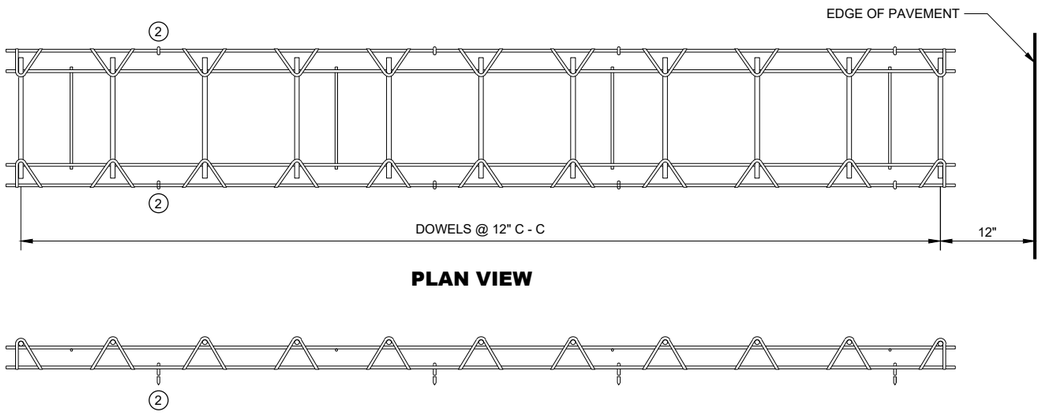
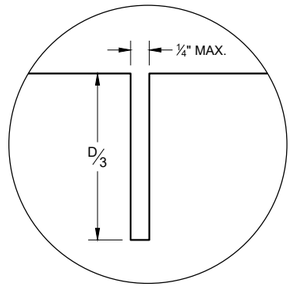
S.D.D. 13 C 1-19



PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

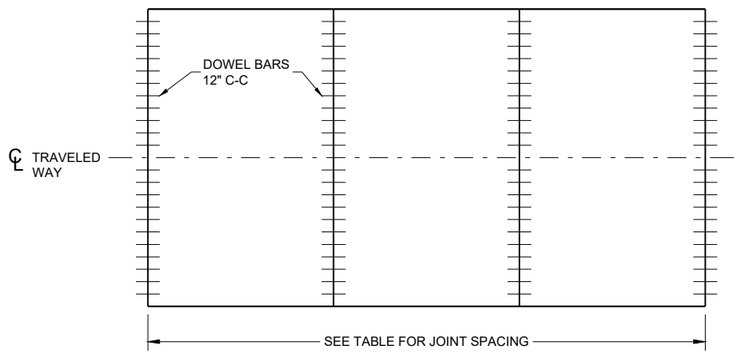
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

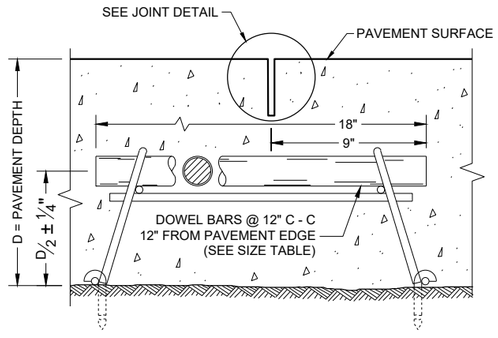
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



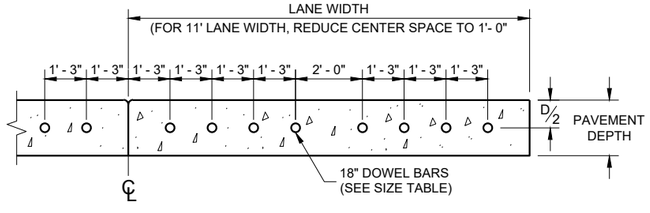
CONTRACTION JOINT LOCATIONS



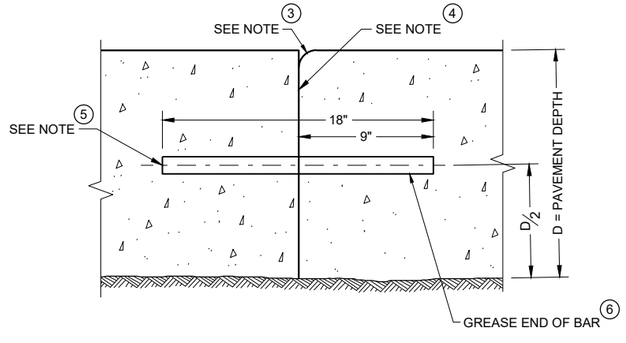
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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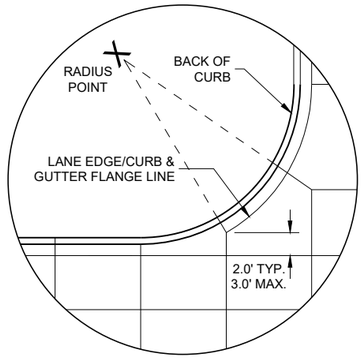
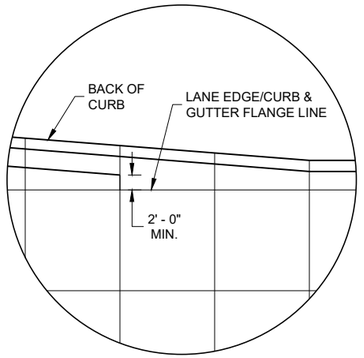
SDD 13C13 - 11



DETAIL "A"



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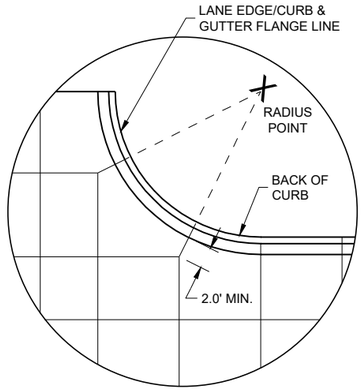
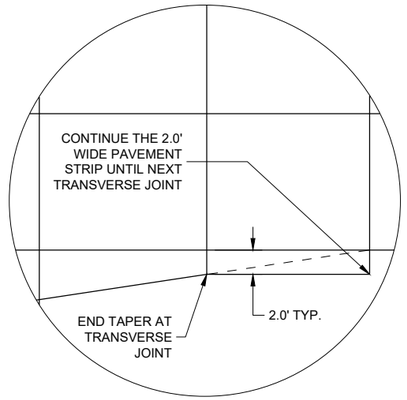


DETAIL "C"



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.

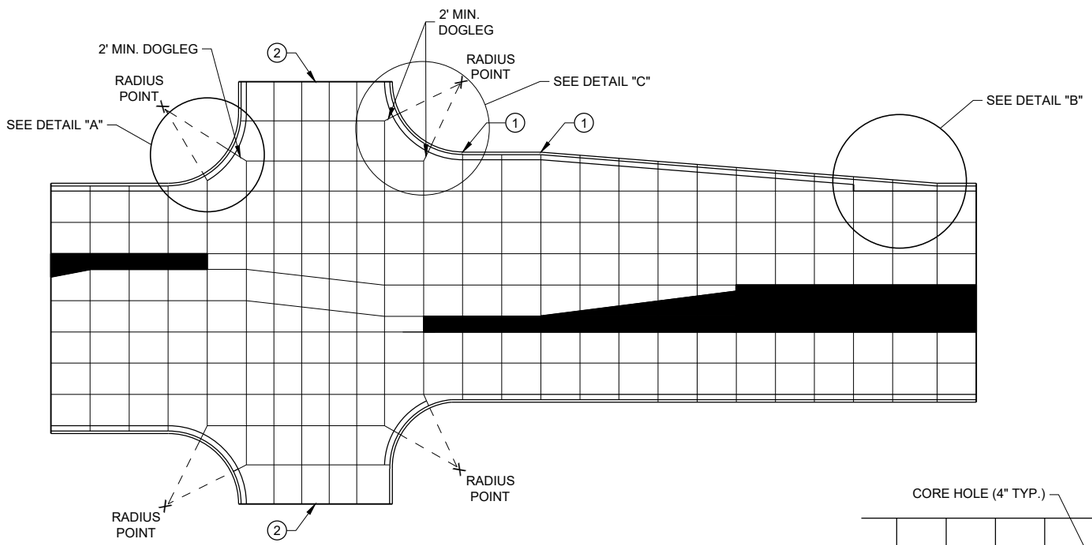
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

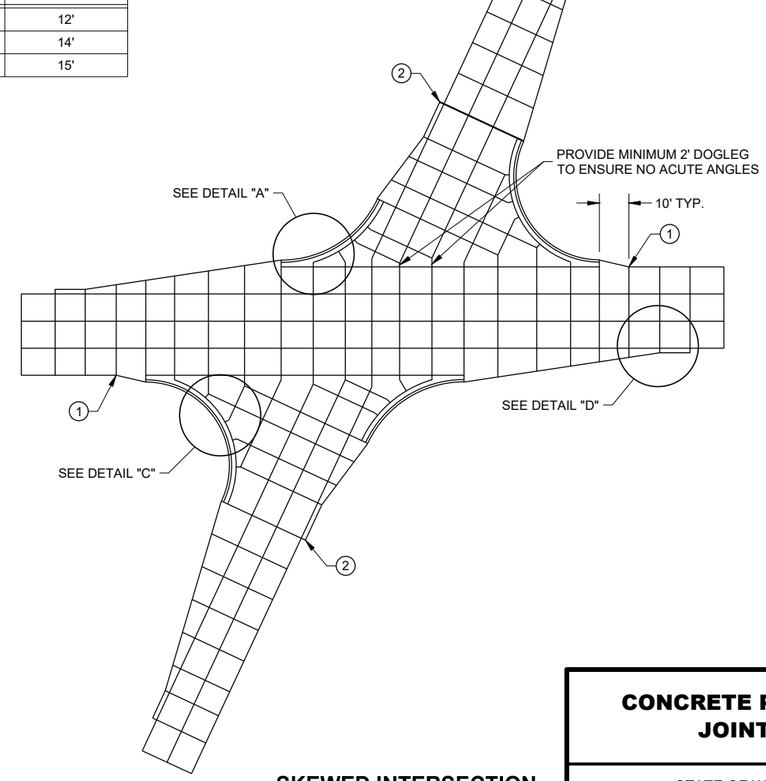
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



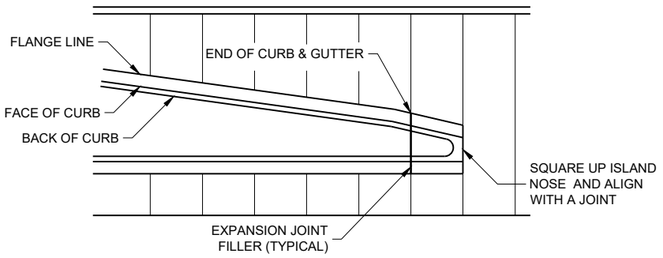
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

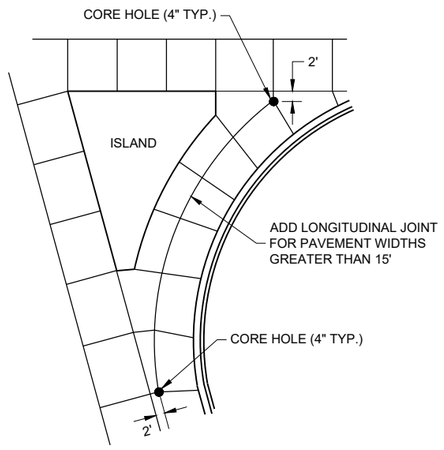
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

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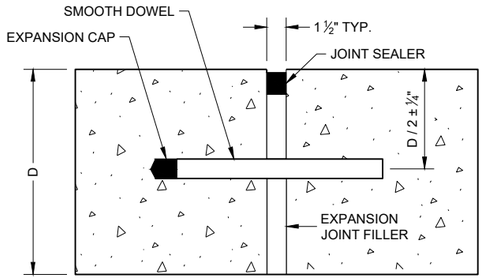
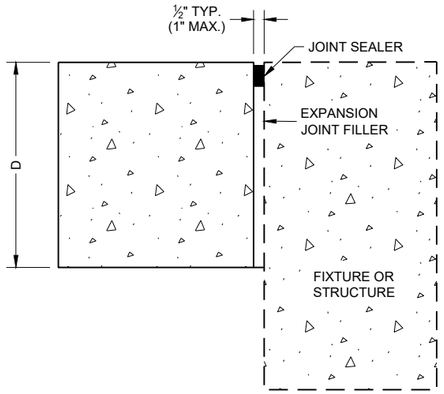
SDD 13C18 - 08a



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

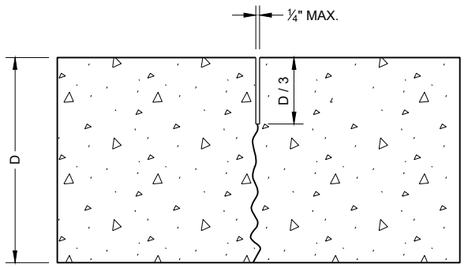
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

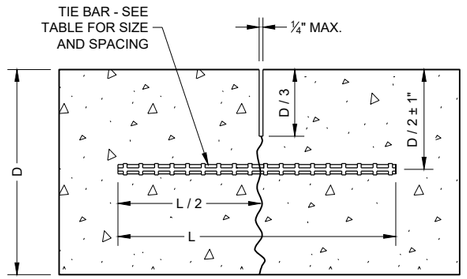
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

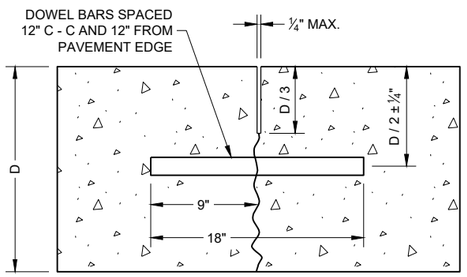
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM 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

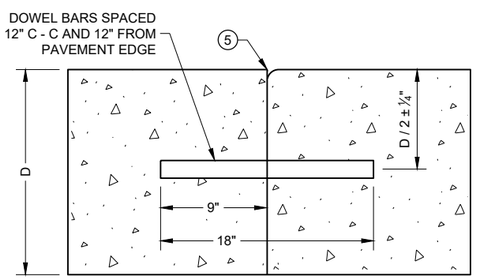


TIED LONGITUDINAL

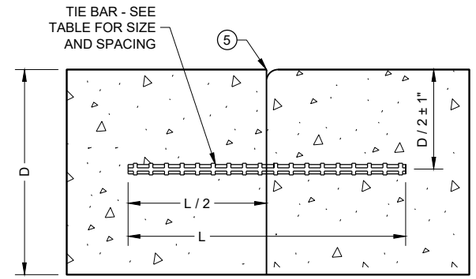


DOWELED TRANSVERSE

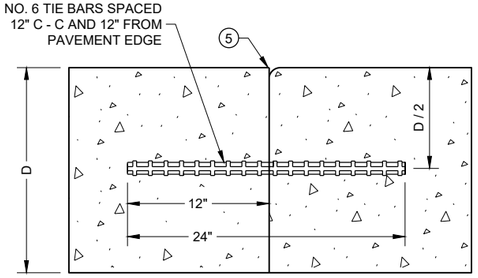
CONTRACTION JOINTS (2)



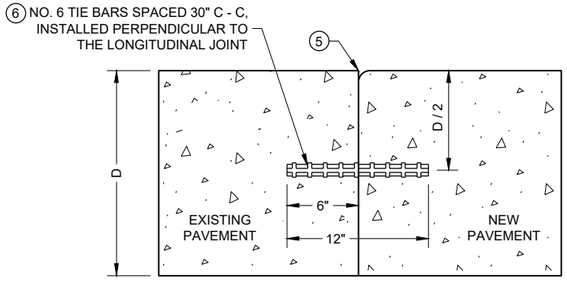
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

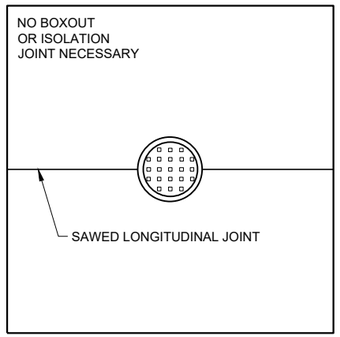
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

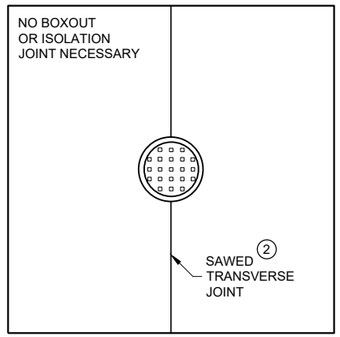
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

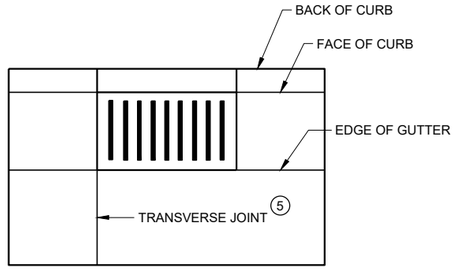
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



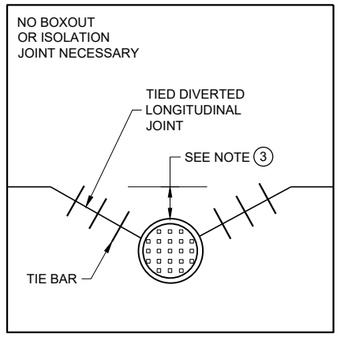
MANHOLE WITH TRANSVERSE JOINT



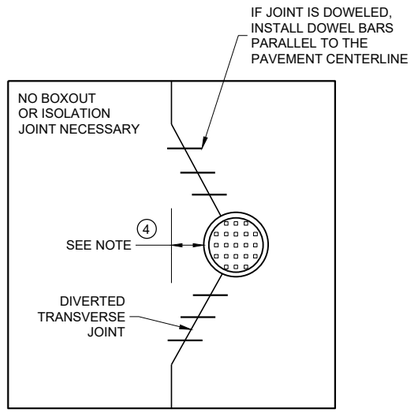
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

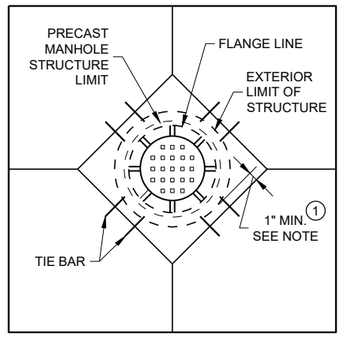
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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

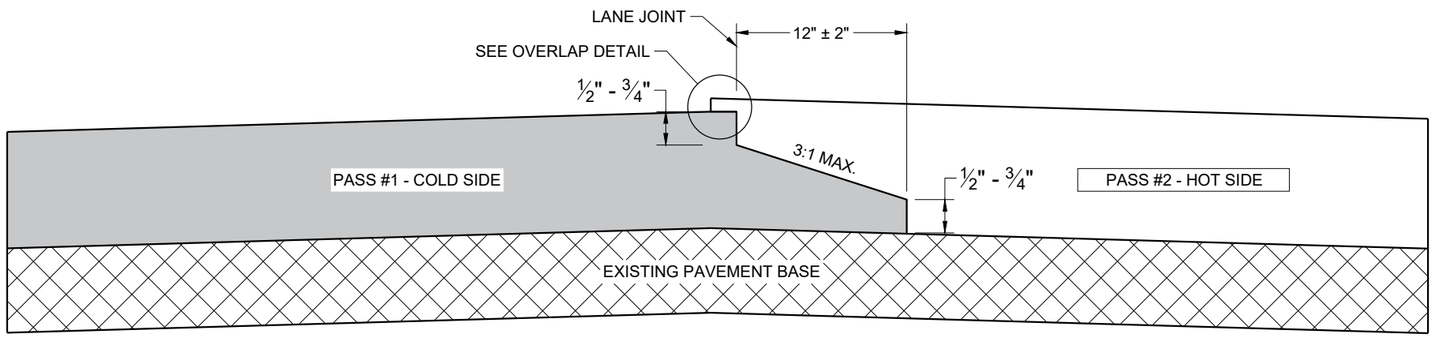
APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

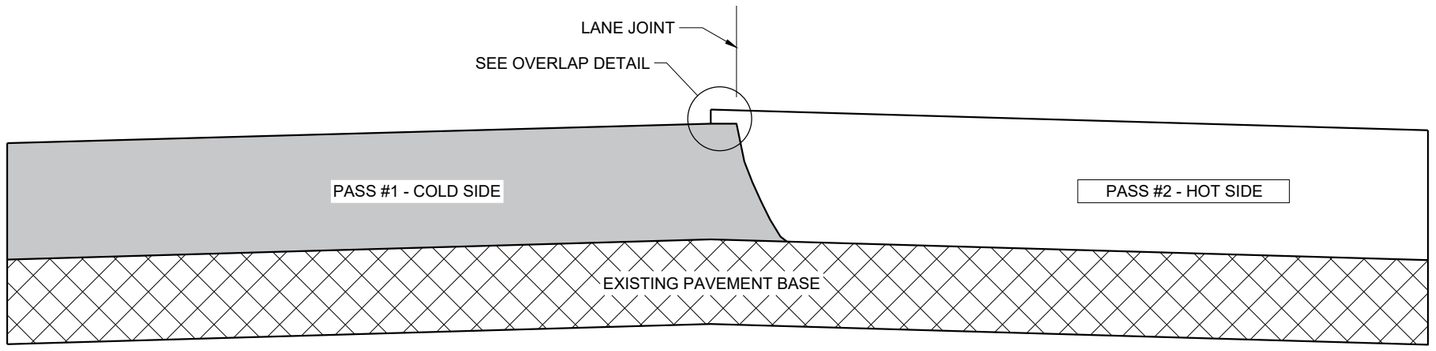
FHWA

6

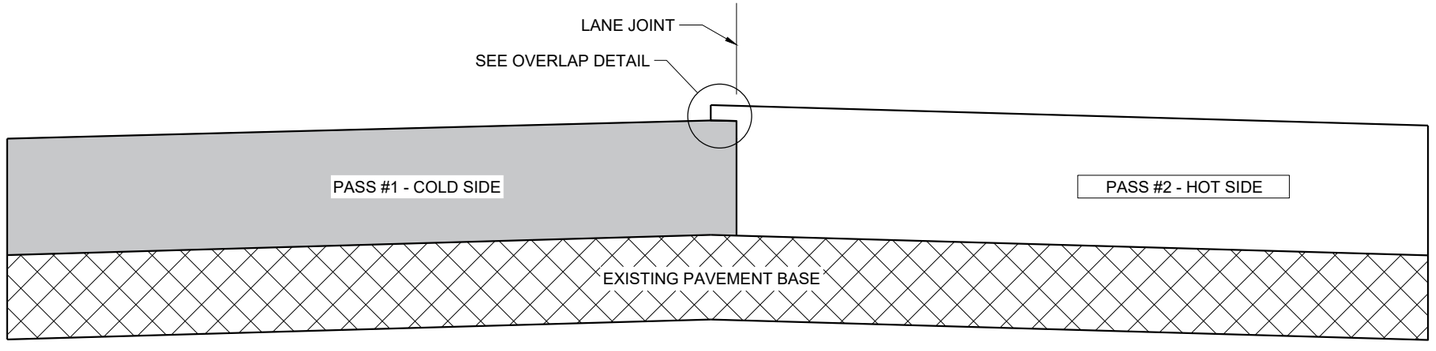
SDD 13C18 - 08d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

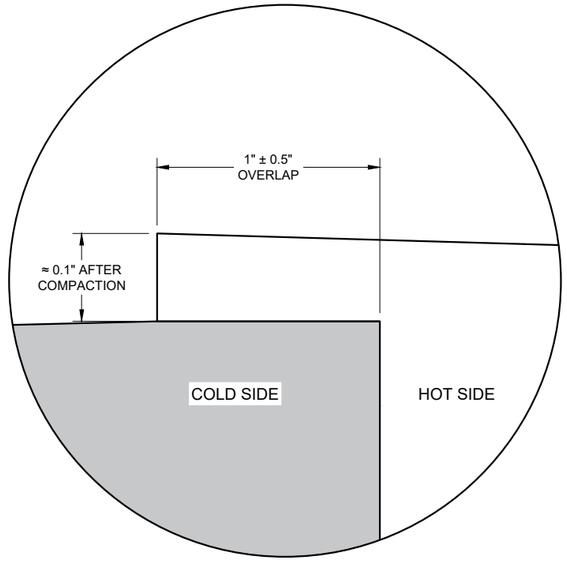
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

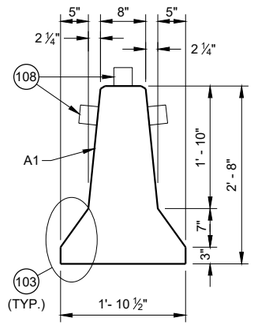
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

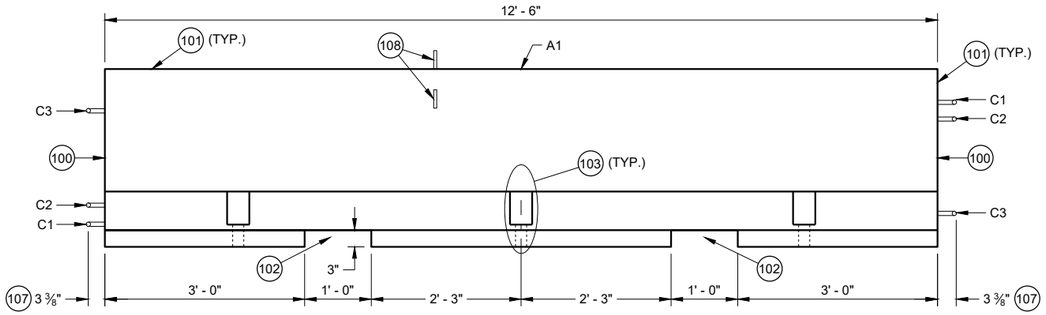
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

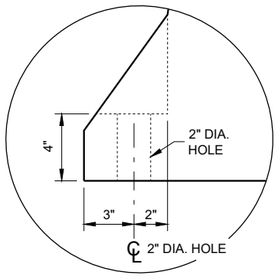
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

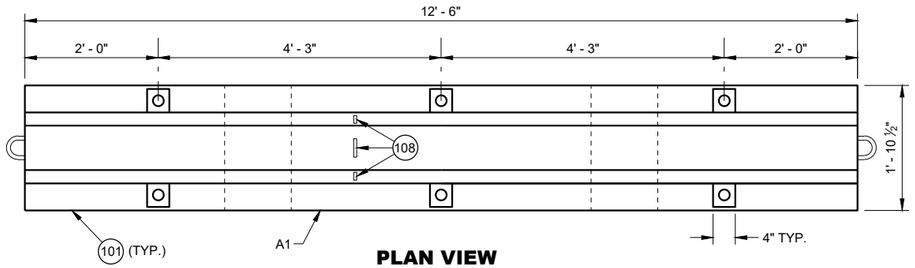
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TO MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

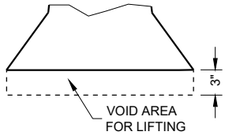


ANCHOR BLOCK DETAIL

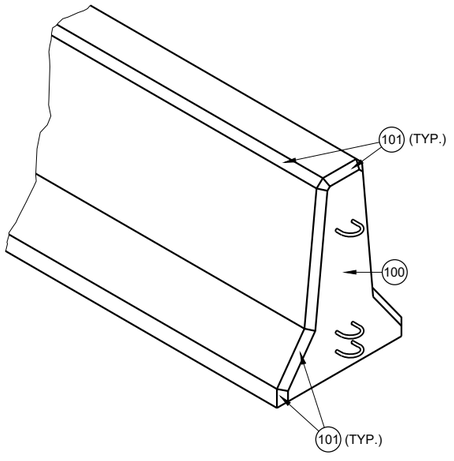


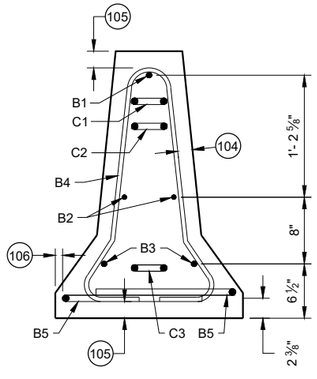
PLAN VIEW

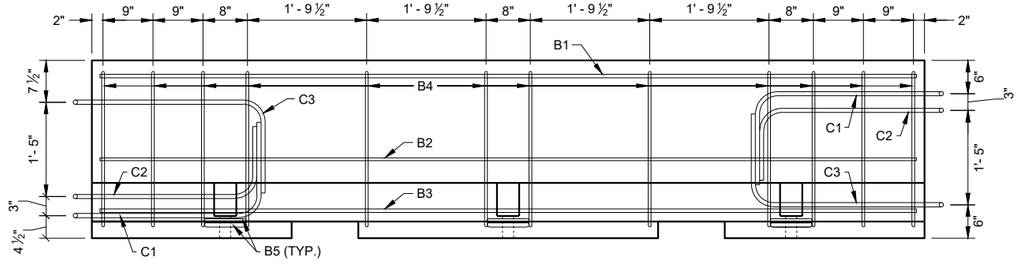
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)







PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 265

6

SDD 14B07-16a

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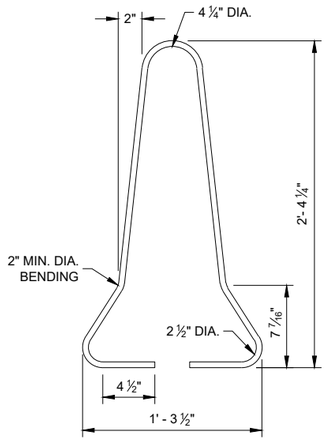
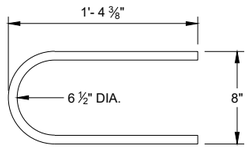
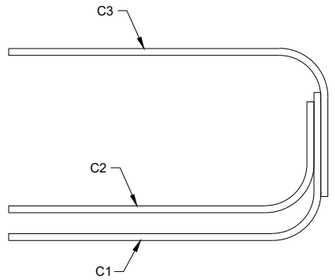
SDD 14B07-16a



B4 BAR DETAIL

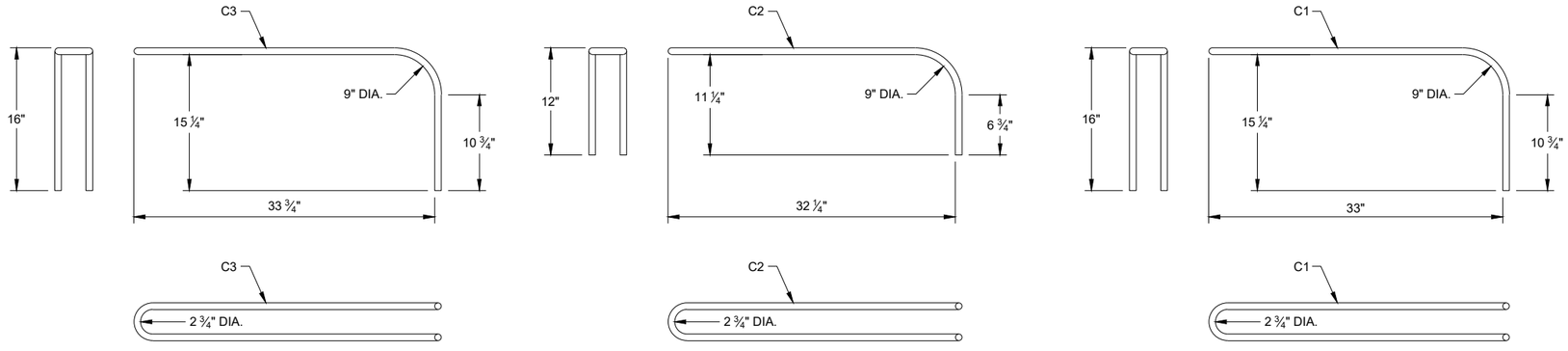


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY

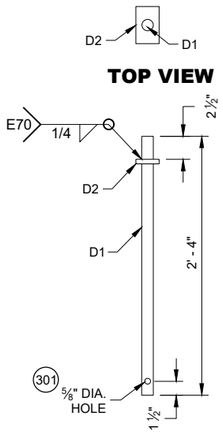


C BAR DETAILS

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

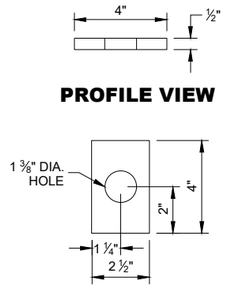
6
SDD 14B07-16b



TOP VIEW

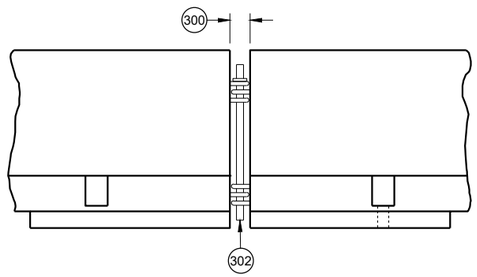
PROFILE VIEW

CONNECTOR PIN ASSEMBLY



PROFILE VIEW

TOP VIEW D2



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

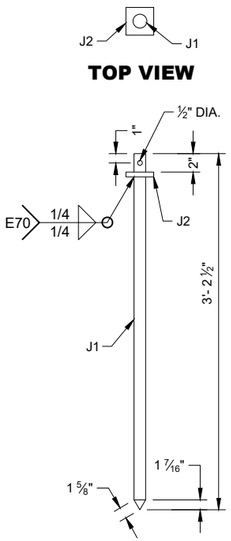
305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY

308 IF DRILLING A PILOT HOLE, THE MAX, DIA. OF THE HOLE IS 3/4"

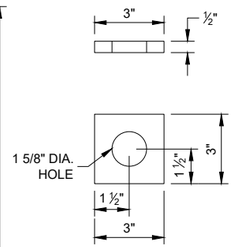
309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.



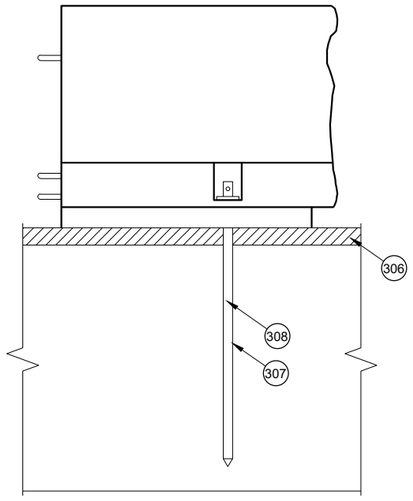
TOP VIEW

PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY

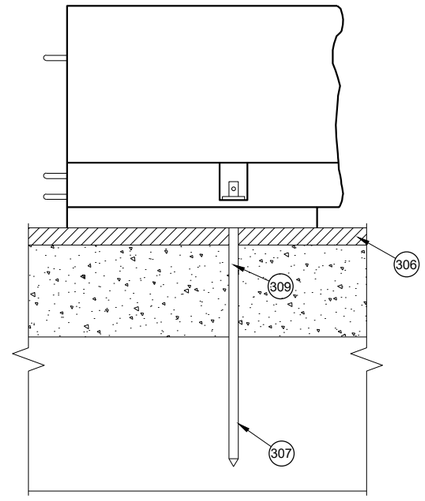


TOP VIEW J2



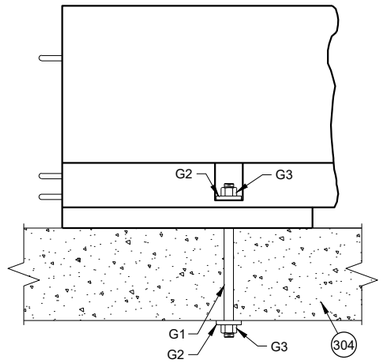
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT PAVEMENT



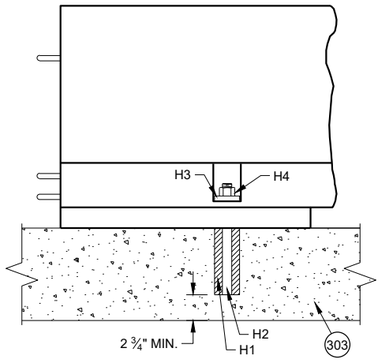
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT OVERLAY ON TOP OF CONCRETE PAVEMENT



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION (305)



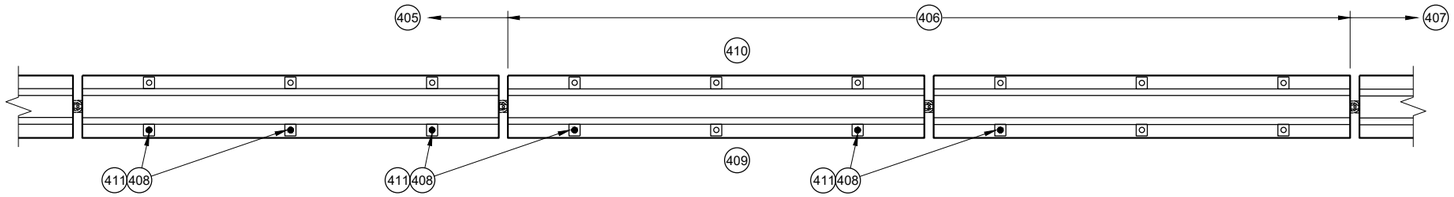
SIDE VIEW

ADHESIVE ANCHOR INSTALLATION (305)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

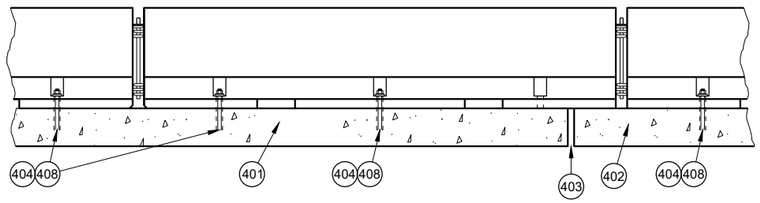
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16c



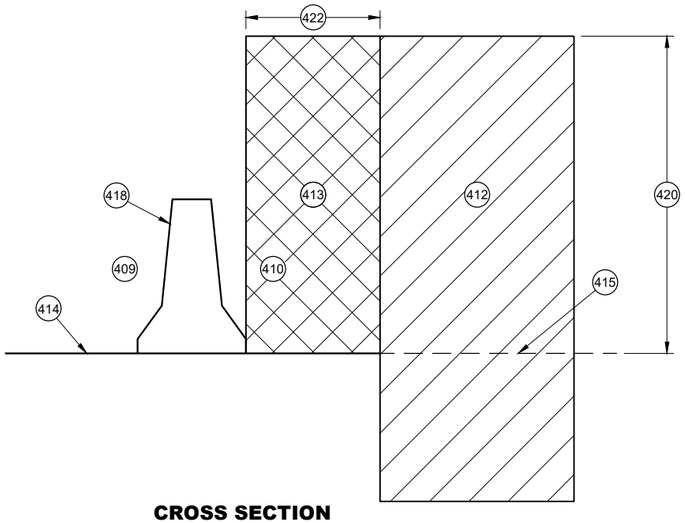
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



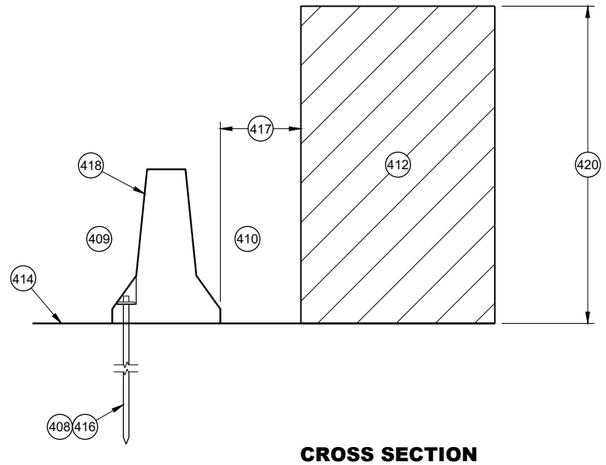
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



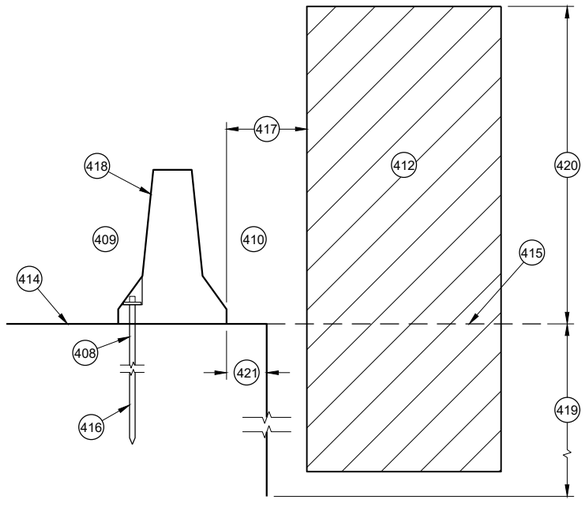
CROSS SECTION

FREE STANDING BARRIER



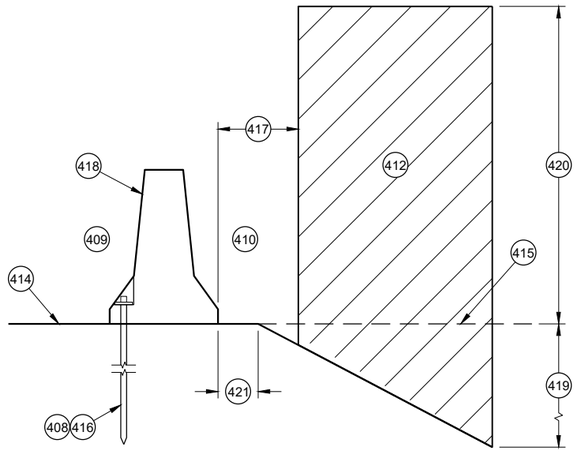
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

GENERAL NOTES

(500) EXISTING RIGID BARRIERS (VARIES)

(501) TEMPORARY BARRIER

(502) SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).

(503) ANCHORS ARE REQUIRED ON BOTH SIDE OF THE TEMPORARY BARRIER.

(504) NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

(505) TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.

(506) TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.

(507) VERTICAL BARRIER

(508) SAFETY SHAPE BARRIER

(509) SINGLE SLOPE BARRIER

(510) CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.

(511) BENT THRIE BEAM TO FIT.

(512) THRIE BEAM PIECES ARE OFFSET 15 ¼" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.

(513) TWO (2) P1, P2 AND P3 ARE REQUIRED

(514) FIVE (5) N1, N2 AND N3 ARE REQUIRED

(515) TWO (2) R1, R2 AND R3 ARE REQUIRED

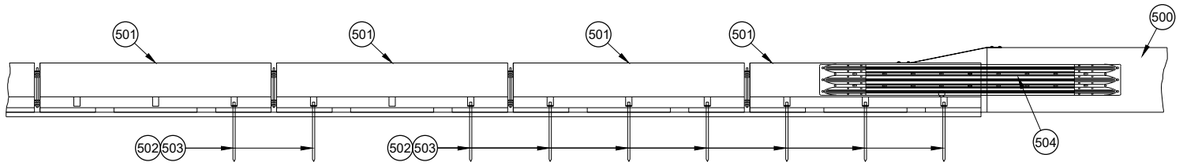
(516) CUT WOOD BLOCK TO FIT.

(517) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

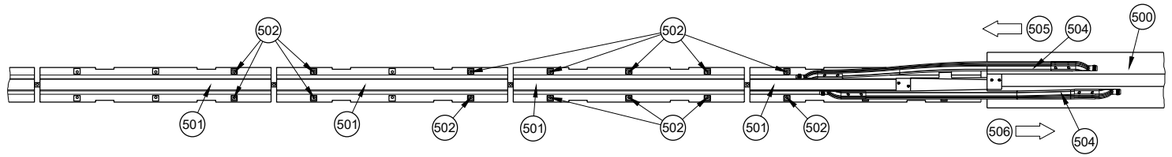
(518) CAP ASSEMBLY

(519) 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

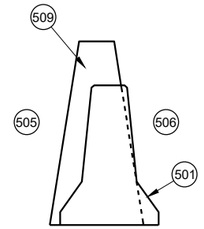
(520) ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



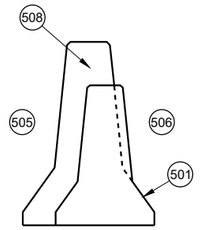
PROFILE VIEW



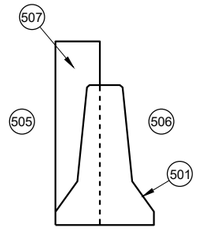
PLAN VIEW
TRANSITION TO RIGID BARRIER



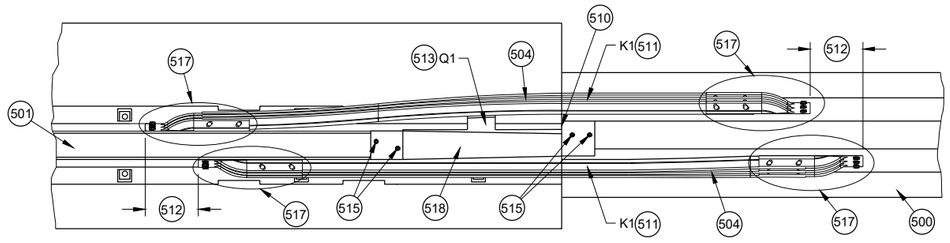
CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE



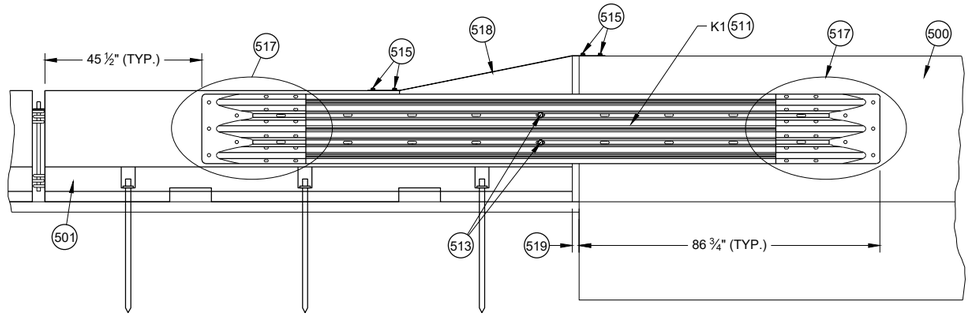
CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE



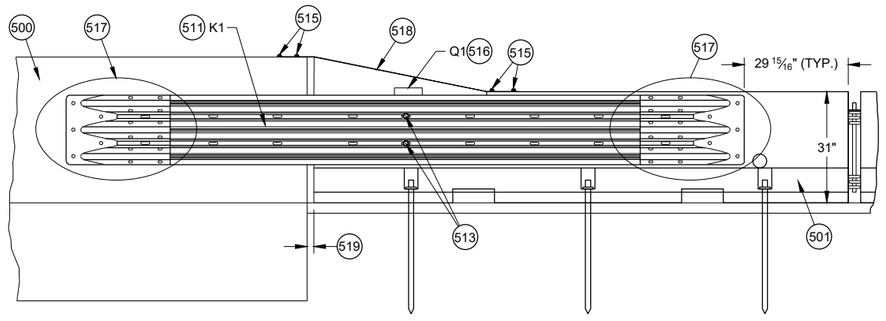
CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL



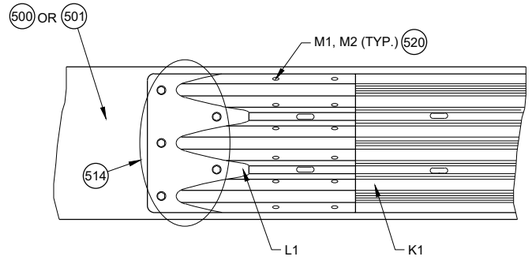
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER

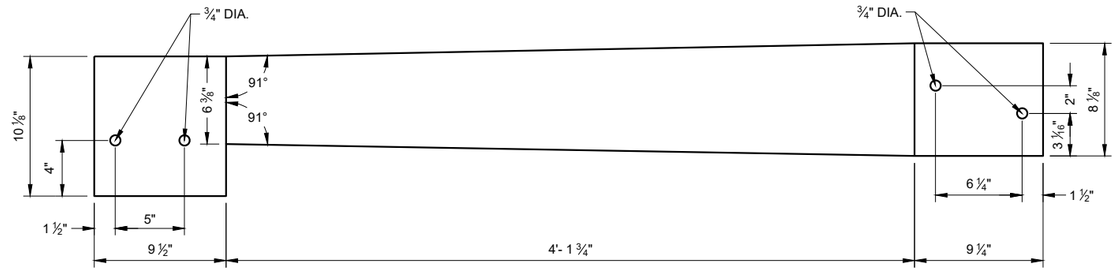


(517) DETAIL PLAN VIEW
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

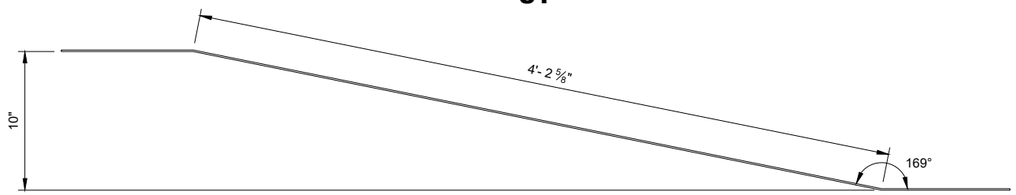
6

SDD 14B07-16e



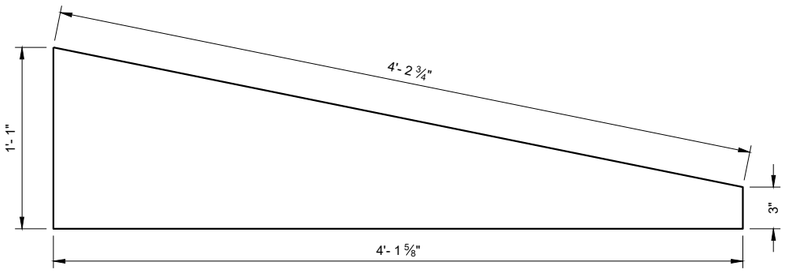
TOP VIEW

S1



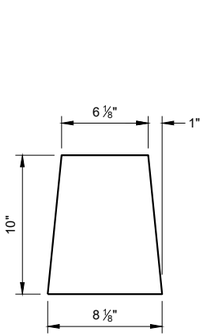
ELEVATION VIEW

S1

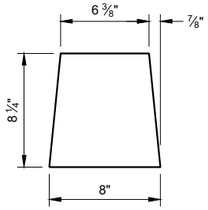


SIDE VIEW

S3



S2



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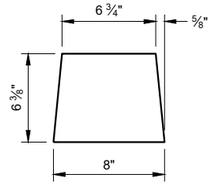

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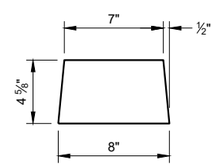

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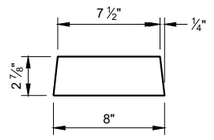
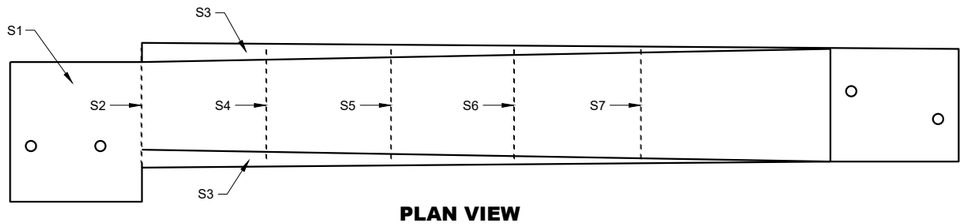
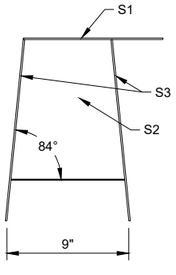


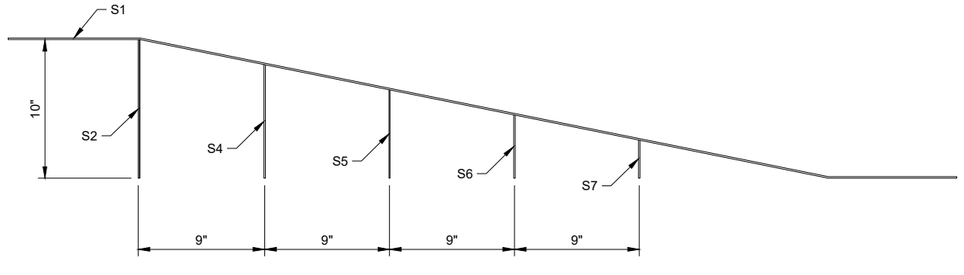
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

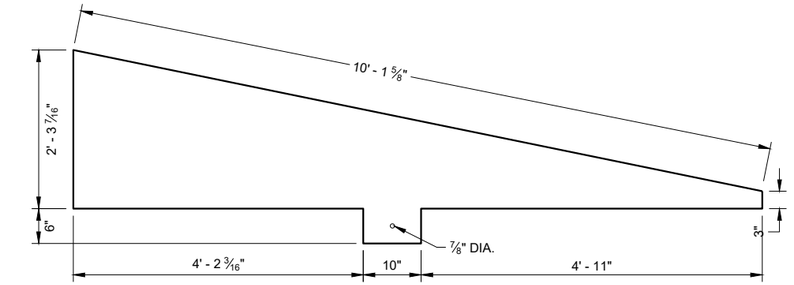
(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

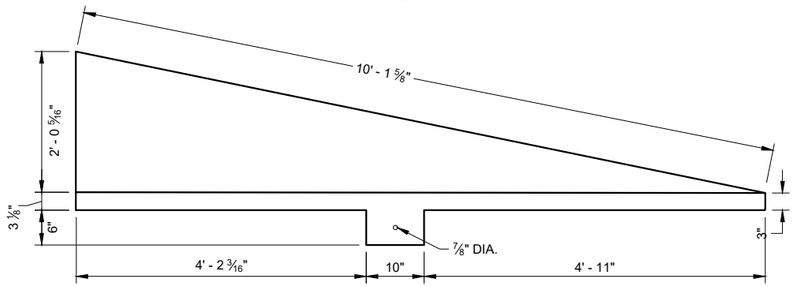
6

SDD 14B07-16f



SIDE VIEW
T4

END VIEW



SIDE VIEW
T3

END VIEW

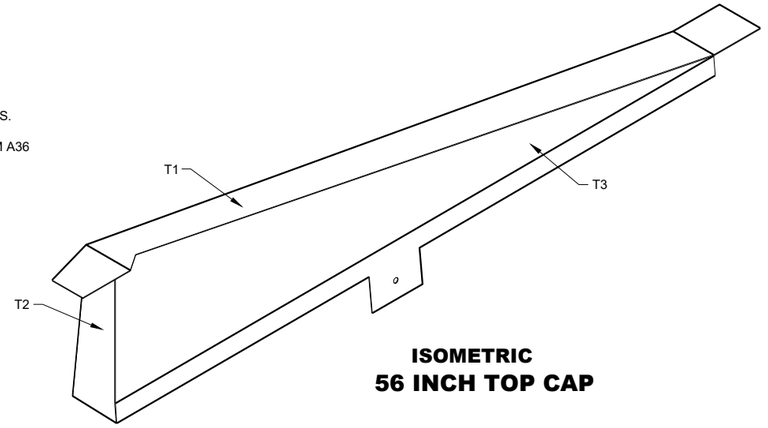
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

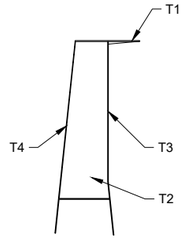
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

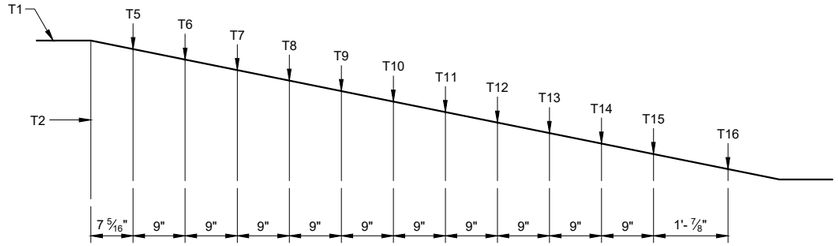
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



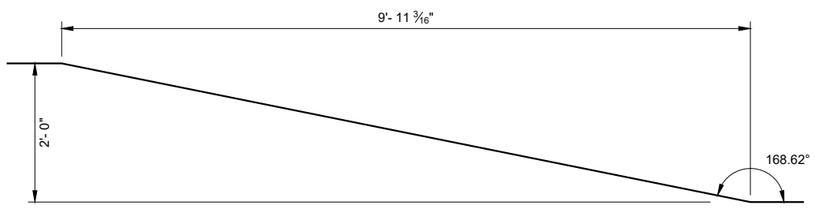
ISOMETRIC
56 INCH TOP CAP



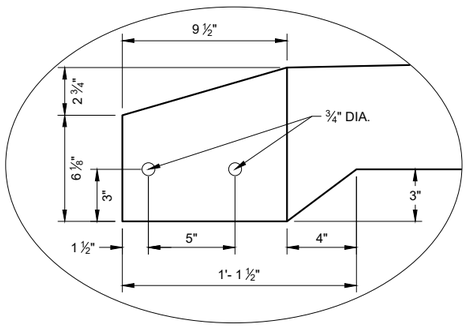
END VIEW
56 INCH TOP CAP



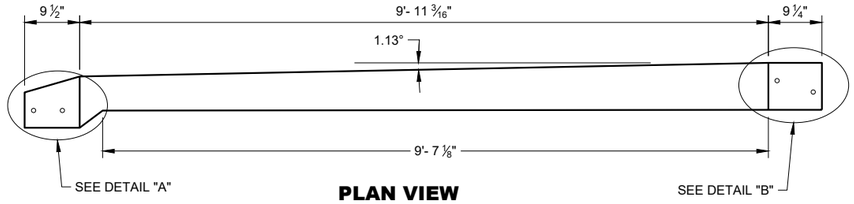
SIDE VIEW (700)
56 INCH TOP CAP



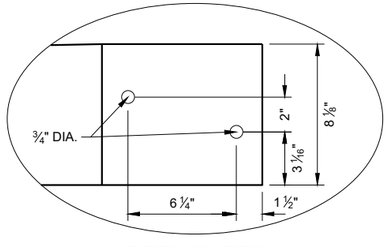
SIDE VIEW
TOP PLATE T1



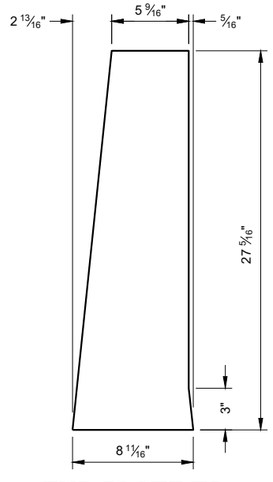
DETAIL "A"



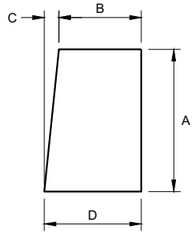
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

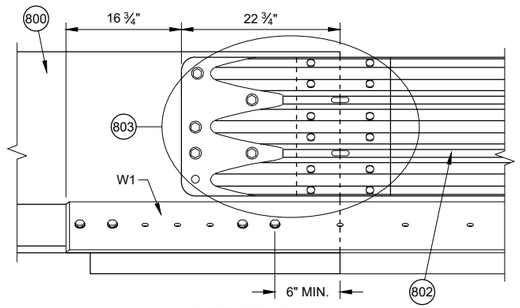
GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 11/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

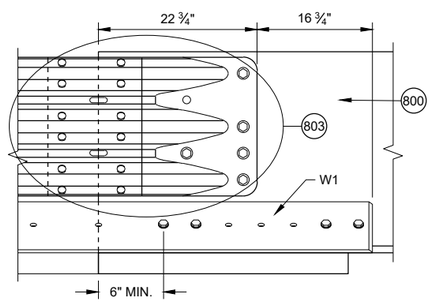
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16g



DETAIL D



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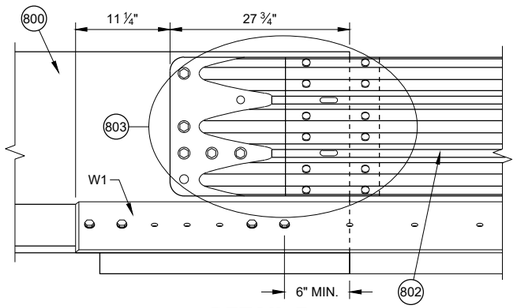

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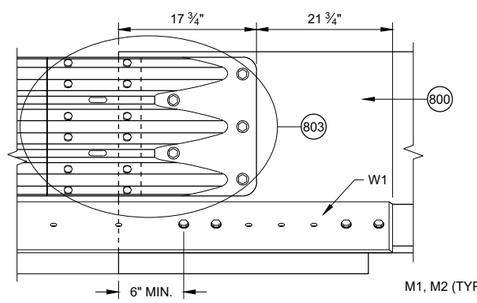
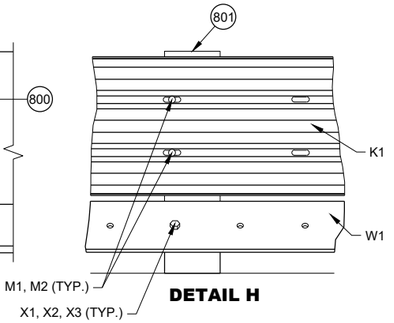
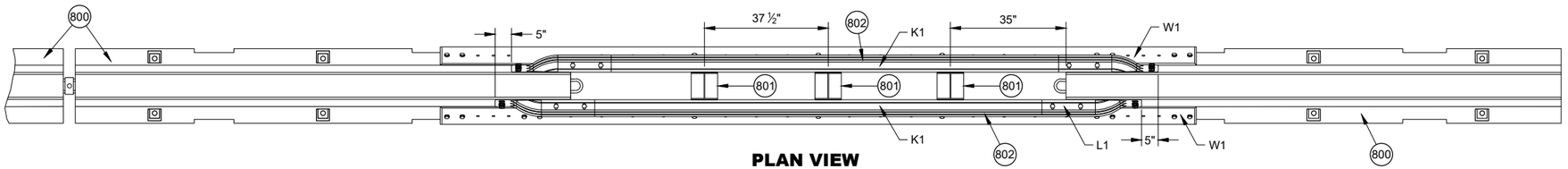


DETAIL G



DETAIL H



PLAN VIEW

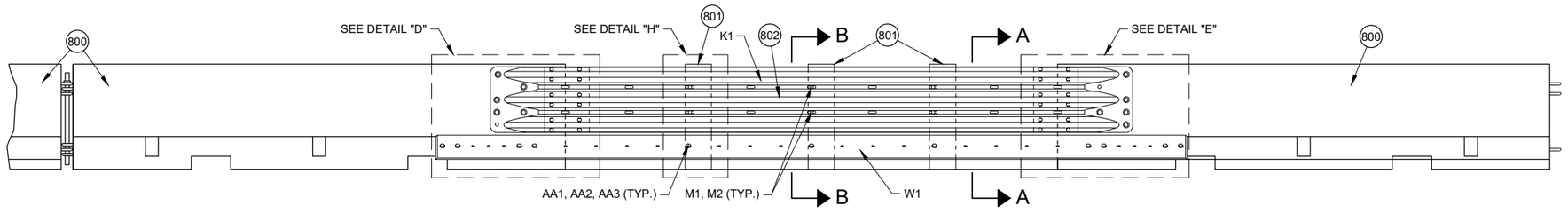
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

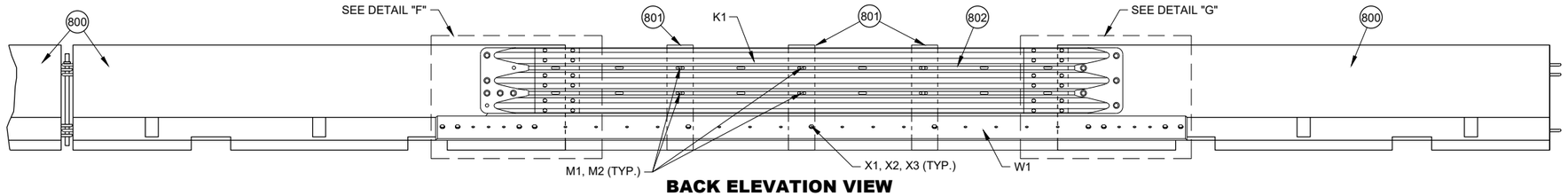
(801) GAP STIFFENER ASSEMBLY

(802) THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.

(803) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



FRONT ELEVATION VIEW



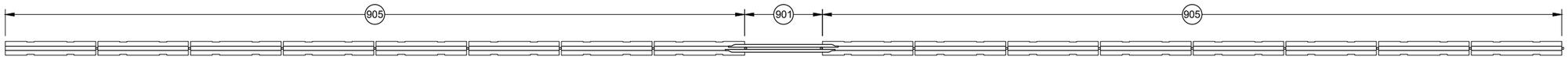
BACK ELEVATION VIEW

PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER

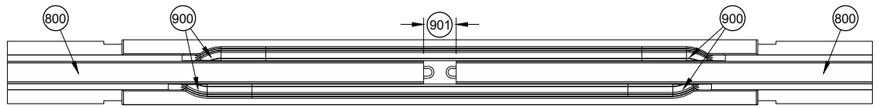
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16h



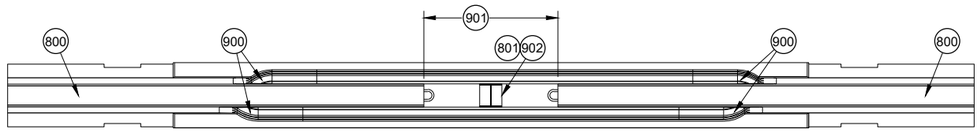
PLAN VIEW
GAP WITHIN SPACING



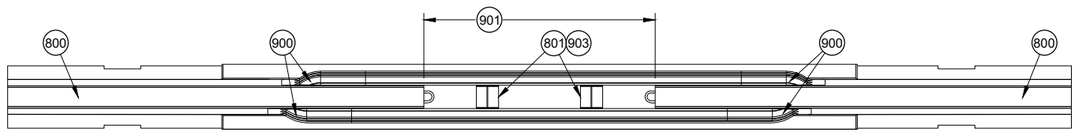
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

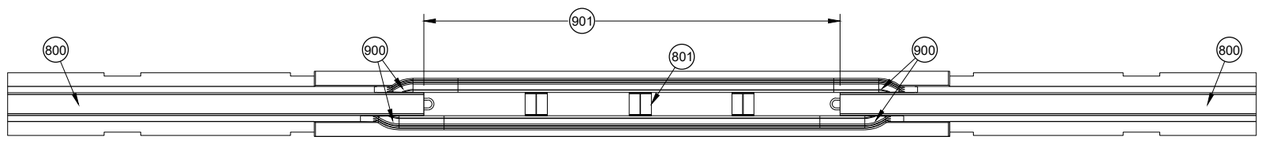
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



PLAN VIEW
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. (904)

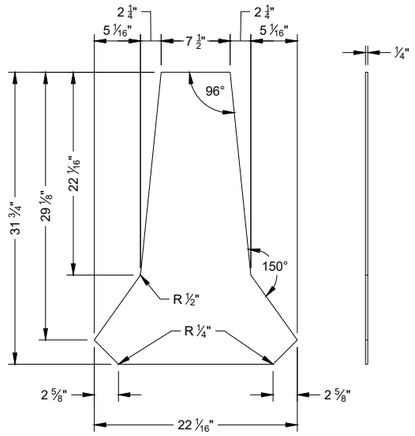


PLAN VIEW
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. (904)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

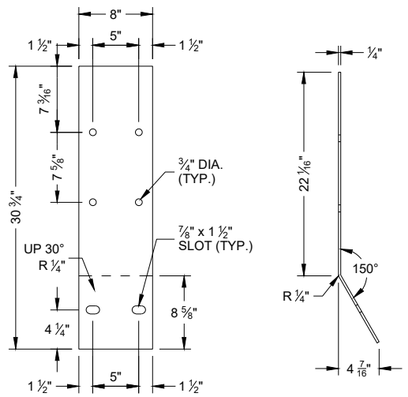
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16i



PROFILE VIEW SIDE VIEW

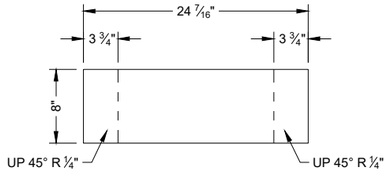
STIFFENER ASSEMBLY CENTER PANEL U1



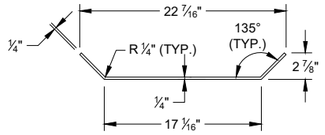
FLAT PATTERN

SIDE VIEW

STIFFENER ASSEMBLY SIDE PANEL U2

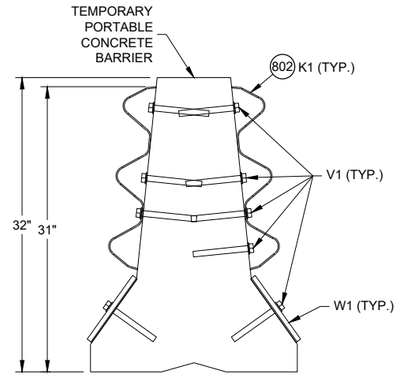


FLAT PATTERN

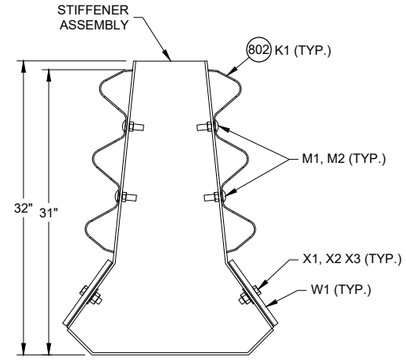


PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3

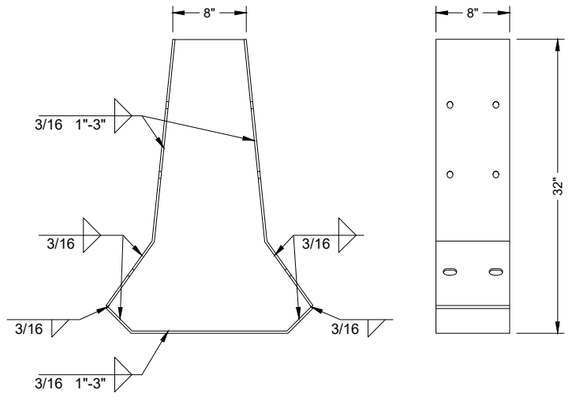


SECTION A - A



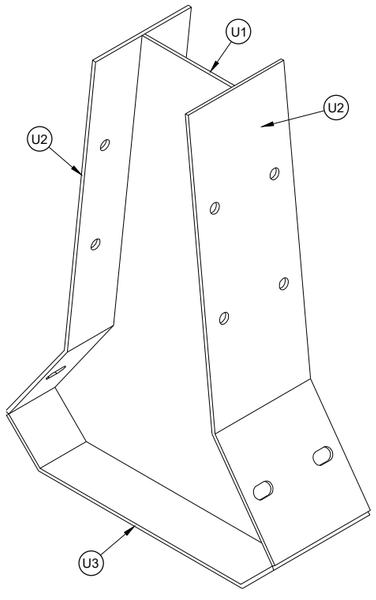
SECTION B - B

PLAN VIEW



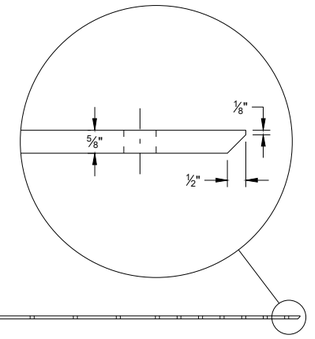
PROFILE VIEW

SIDE VIEW

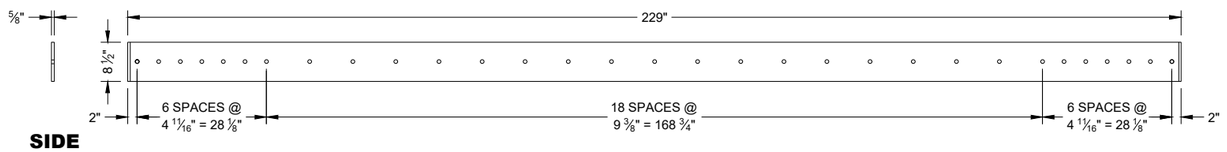


ISOMETRIC

GAP STIFFENER ASSEMBLY



PLAN VIEW



SIDE VIEW

ELEVATION VIEW

W1 TOE PLATE

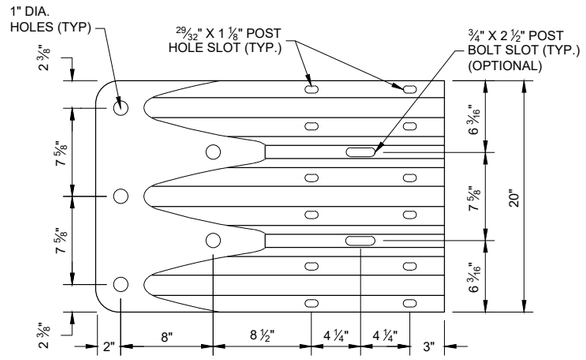
6

SDD 14B07-16j

6

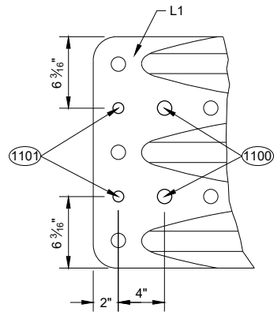
SDD 14B07-16j

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"



ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

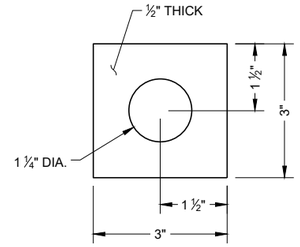


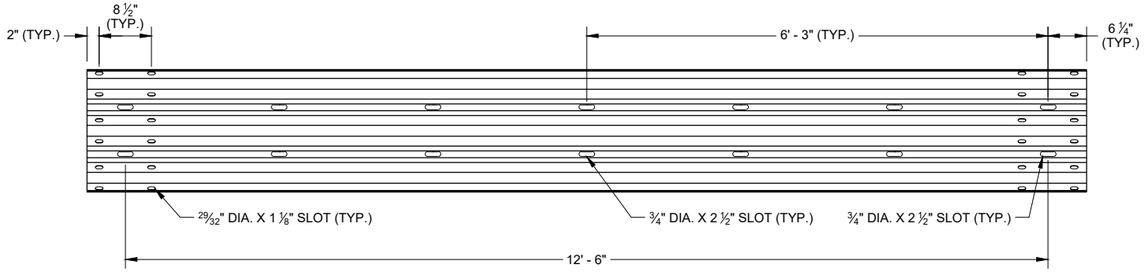
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

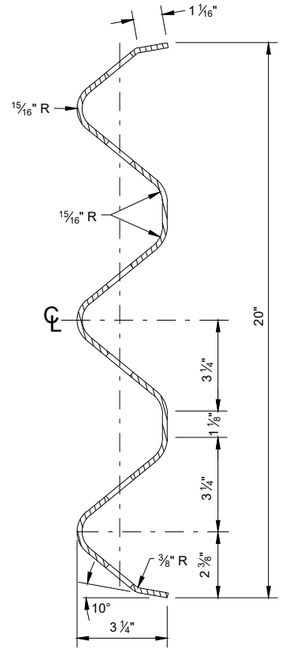
(1100) 1" DIA. HOLE

(1101) 3/4" DIA. HOLE

(1102) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL REINFORCEMENT OR LOOP BAR CONFLICT. CONTRACTOR MAY FIELD DRILL ADDITIONAL HOLE OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.



SLOTTED THRIE BEAM RAIL K1



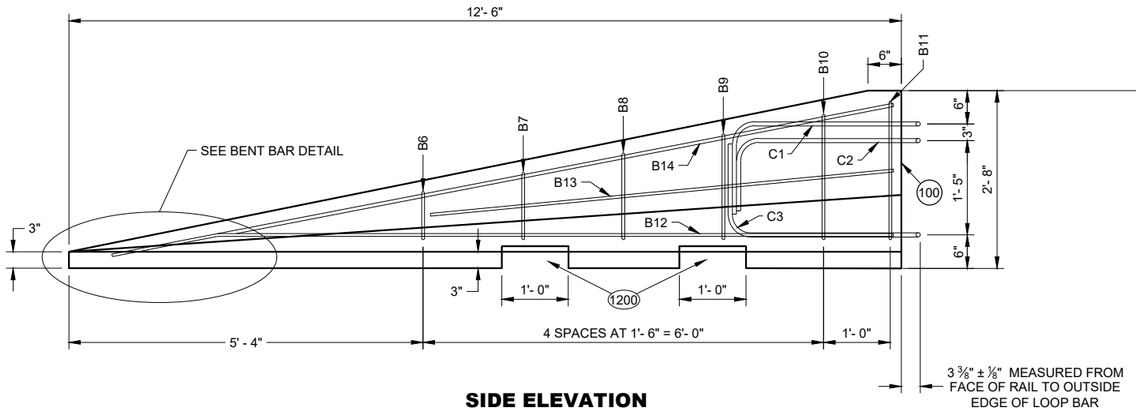
SECTION THROUGH BEAM K1

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

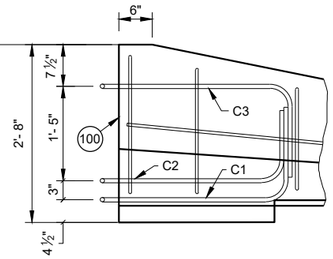
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16k



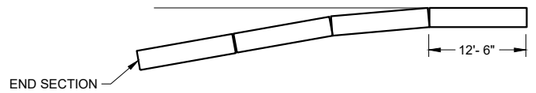
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

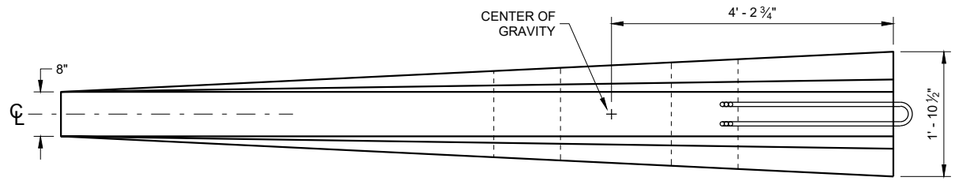
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

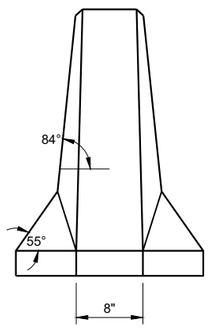


FLARE AT BARRIER END

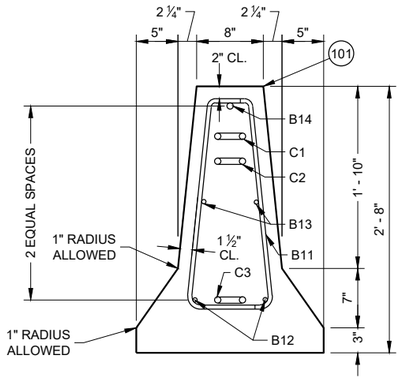
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



PLAN VIEW

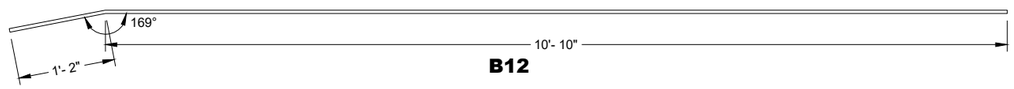


FRONT ELEVATION

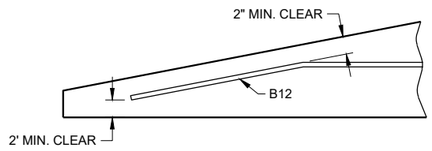


END SECTION

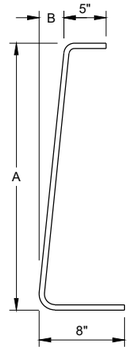
DETAILS OF BARRIER TAPER SECTION



B12



BENT BAR DETAIL



BAR	A	B
B6	10"	1"
B7	1'- 1"	1 ¼"
B8	1'- 5"	1 ⅝"
B9	1'- 8"	1 ⅞"
B10	2'- 0 ½"	2 ⅜"
B11	2'- 3"	2 ¾"

B BARS

2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f'c 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 1'-11"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-6"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-9"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-0"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-9"
B14	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ¼" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A OR SAE J429 GRADE 2 UNC	1 ⅛" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
H1	ADHESIVE ANCHOR - ADHESIVE	ICC-ES-AC308 5 ¼" EMBEDMENT WITH A MIN. BOND STRENGTH OF 1,650 PSI. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A / SAE J429 GRADE 2 UNC	1 ⅛" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
J1	ASPHALT ANCHOR PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ½" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
K1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE
L1	THRIE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	⅝" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
N1	THRIE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA. LENGTH 6"
N2	THRIE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
N3	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THRIE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA.
P2	THRIE BEAM RAIL CONNECTION 1-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
P3	THRIE BEAM RAIL CONNETION 1- MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
Q1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	⅝" DIA.
R2	CAP- BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	12 GAUGE
S1	CAP 42-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S2	CAP 42-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S3	CAP 42-INCH SIDE PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S4	CAP 42-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S5	CAP 42-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S6	CAP 42-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S7	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE

6

SDD 14B07-16m

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16m

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
T1	CAP 56-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T2	CAP 56-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T3	CAP 56-INCH SIDE PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T4	CAP 56-INCH SIDE PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T5	CAP 56-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T6	CAP 56-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T7	CAP 56-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T8	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T9	CAP 42-INCH GUSSET 5	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T10	CAP 42-INCH GUSSET 6	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T11	CAP 42-INCH GUSSET 7	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T12	CAP 42-INCH GUSSET 8	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T13	CAP 42-INCH GUSSET 9	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T14	CAP 42-INCH GUSSET 10	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T15	CAP 42-INCH GUSSET 11	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T16	CAP 42-INCH GUSSET 12	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
U1	GAP STIFFENER	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U2	GAP STIFFENER - CONNECTOR PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U3	GAP STIFFENER - CONNECTOR PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
V1	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 24.0 KIPS AND ULTIMATE SHEAR LOAD 21.5 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	¾" DIA.
V2	GAP STIFFENER - BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C O R MECHANICAL GALVANIZE TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
W1	TOE PLATE	AASHTO M111/ASTM A123 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
X1	TOE PLATE - CONNECTION BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC HEAVY HEX HEAD OR AASTHO M180 HEAD, ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED. PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	¾" DIA.
X2	TOE PLATE - CONNECTION BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1 (HARDEN WASHER ONLY)	
X3	TOE PLATE - CONNECTION BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

SDD 14B07-16n

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

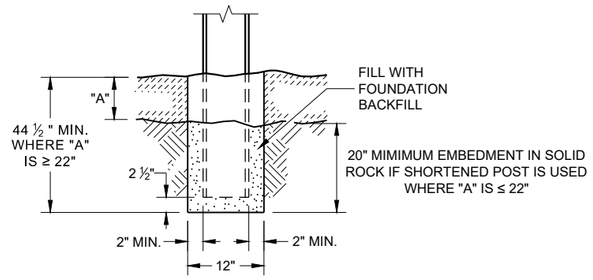
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

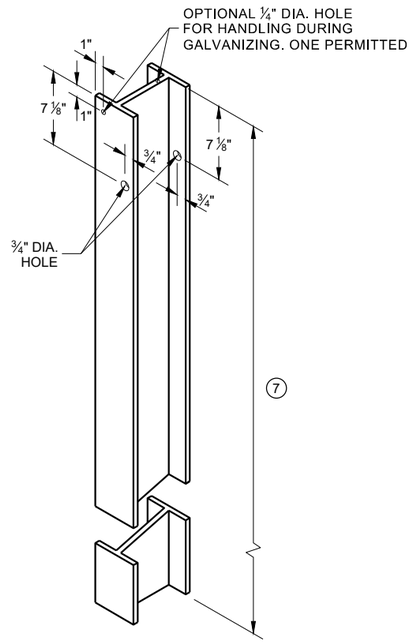
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

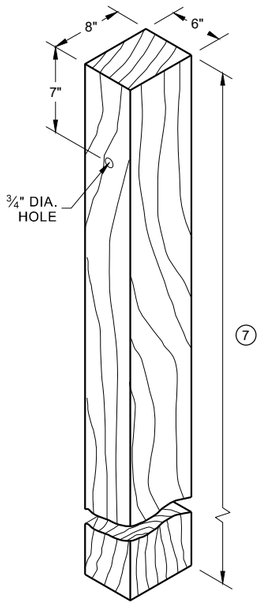
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



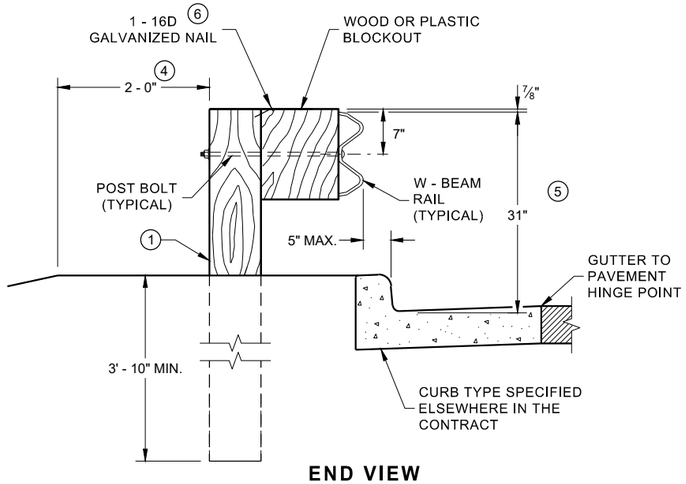
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



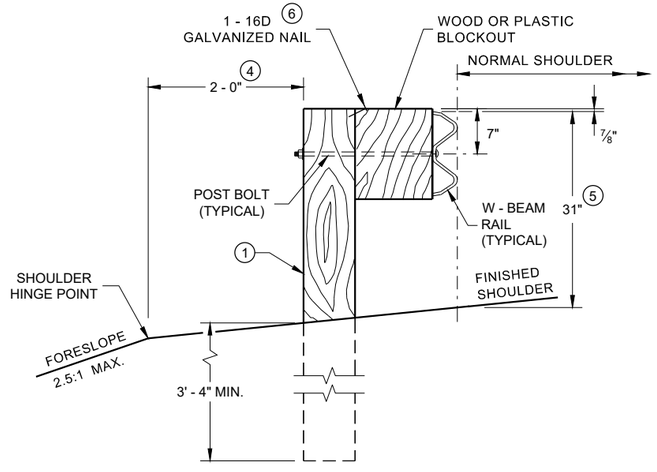
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



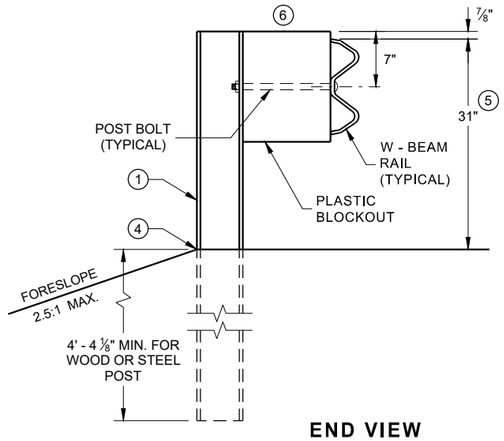
WOOD POST (6" X 8") NOMINAL (1)



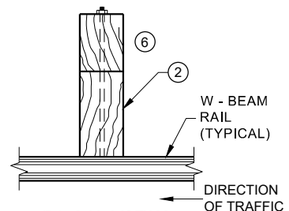
END VIEW
LOCATED ALONG A CURBED ROADWAY



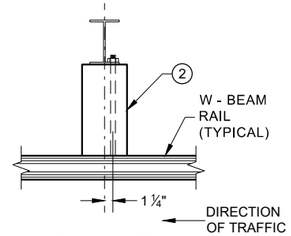
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



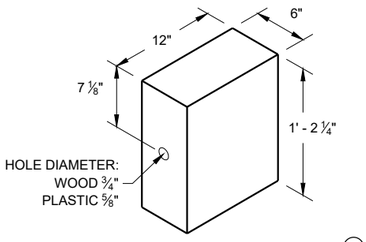
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B42 - 07a

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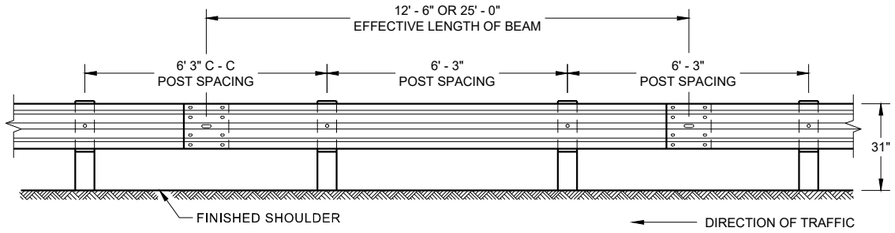
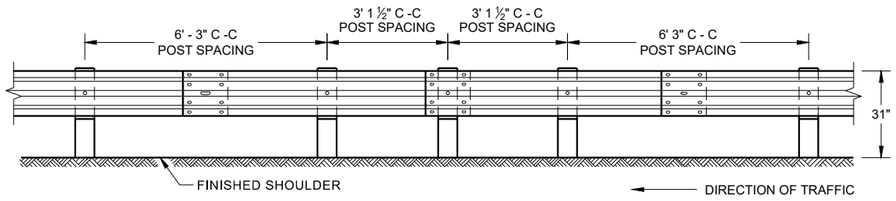
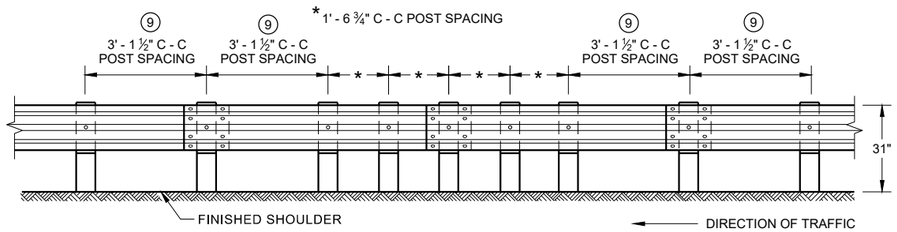
SDD 14B42 - 07a



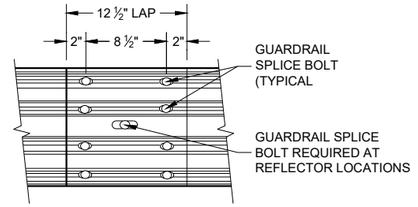
FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

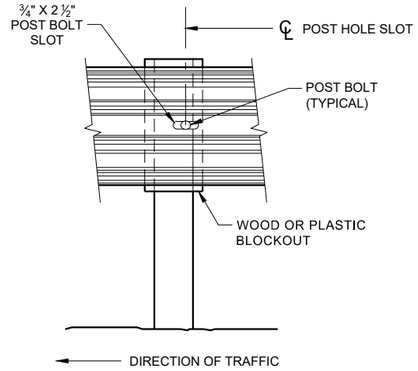
GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

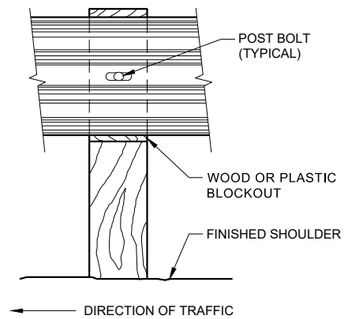
⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

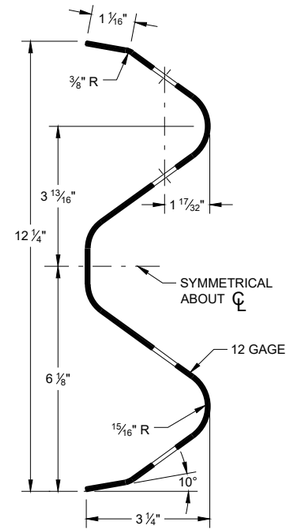
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



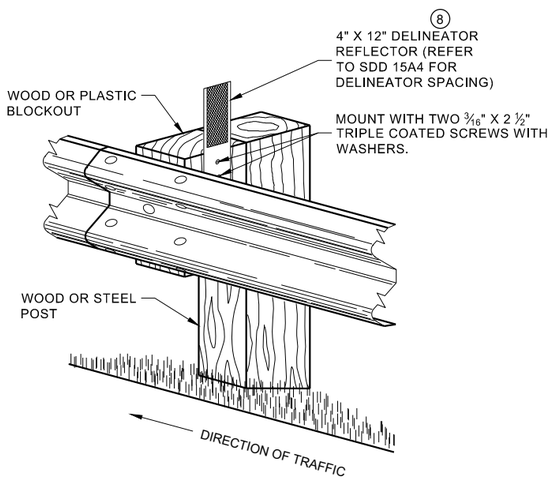
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



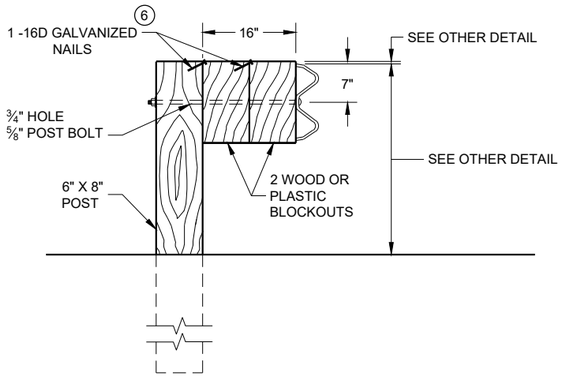
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

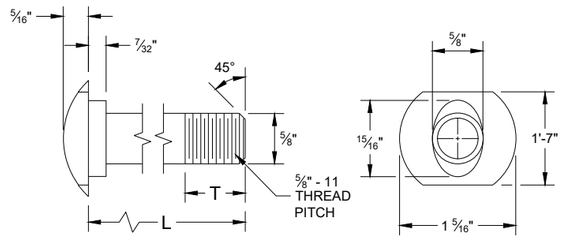


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

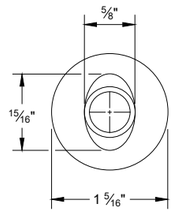
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

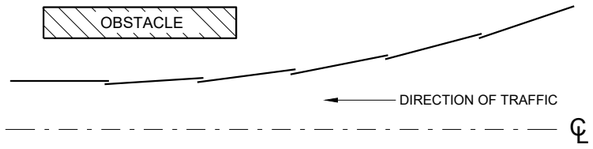


POST BOLT TABLE

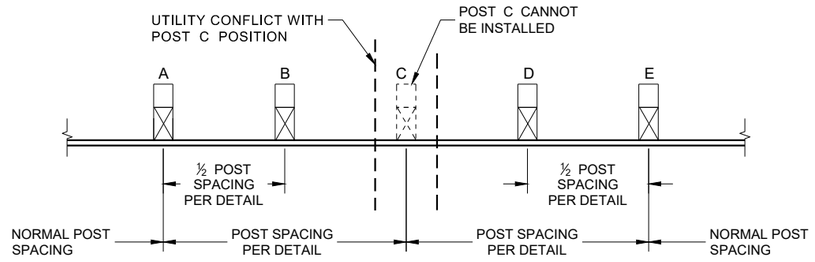
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



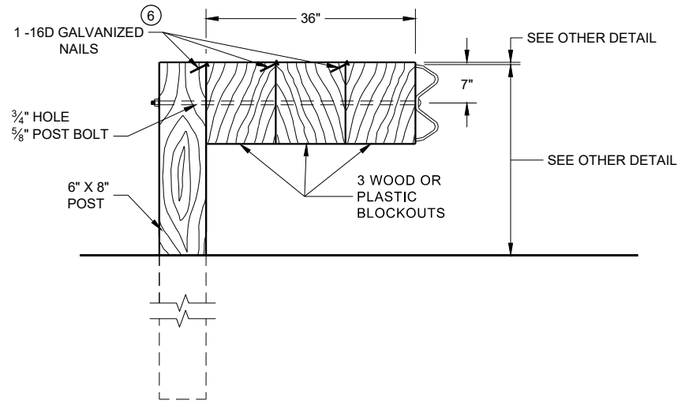
ALTERNATE BOLT HEAD



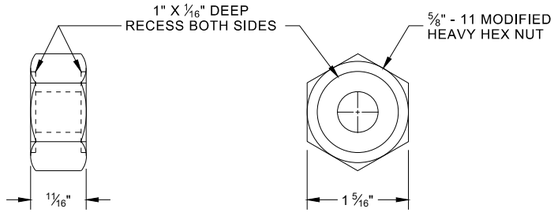
PLAN VIEW
BEAM LAPPING DETAIL



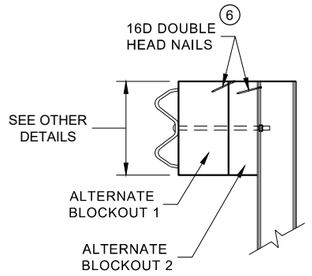
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



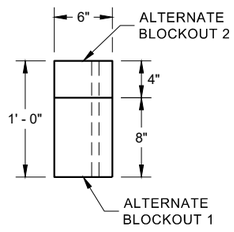
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

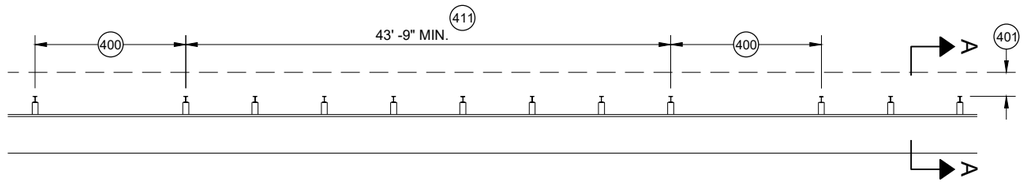
ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

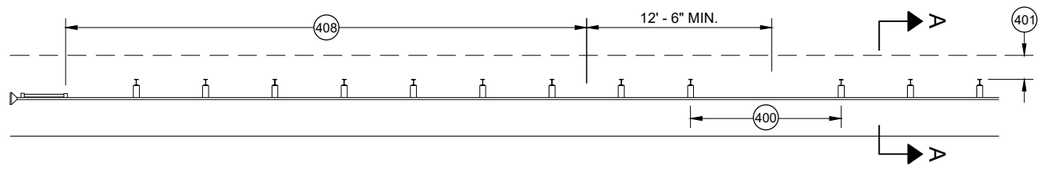
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

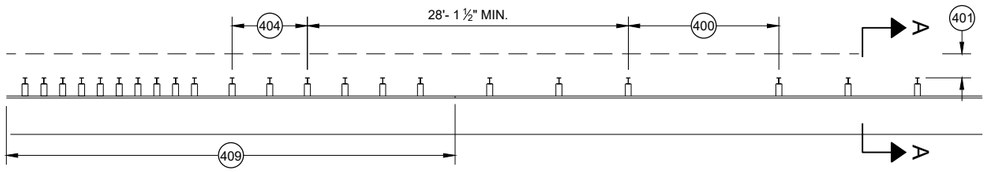
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



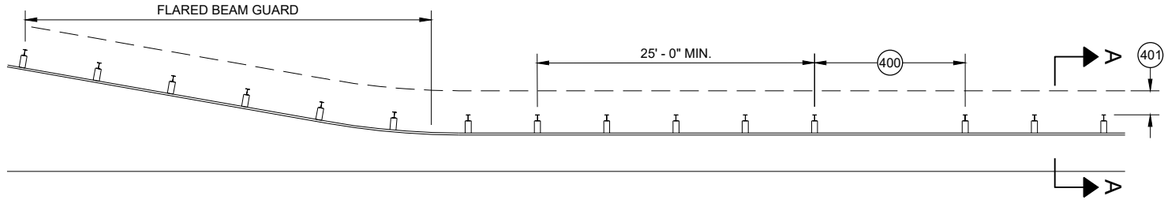
MISSING POST IN MGS GUARDRAIL



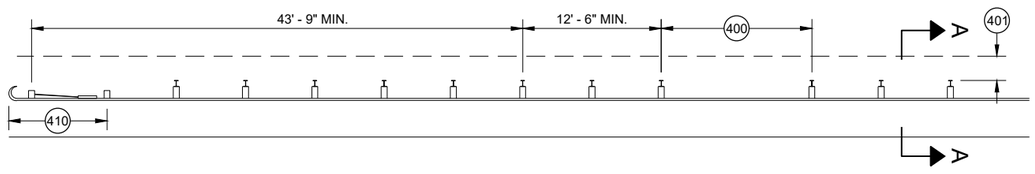
MISSING POST IN MGS GUARDRAIL NEAR EAT



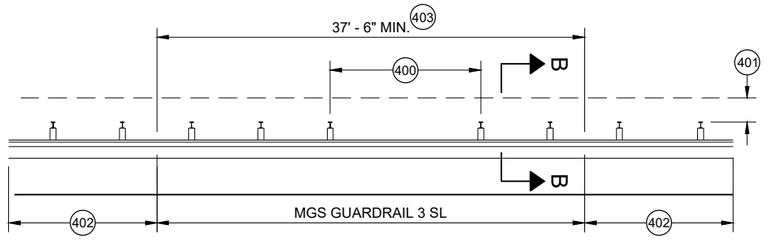
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

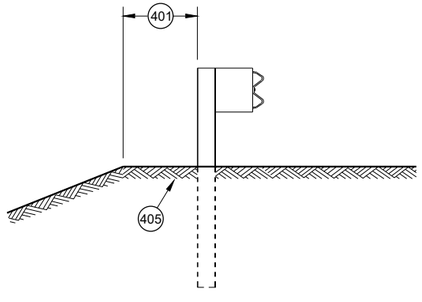


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

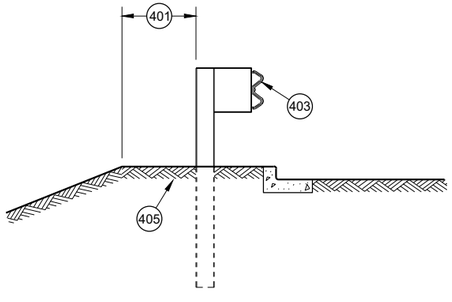


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

6

SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

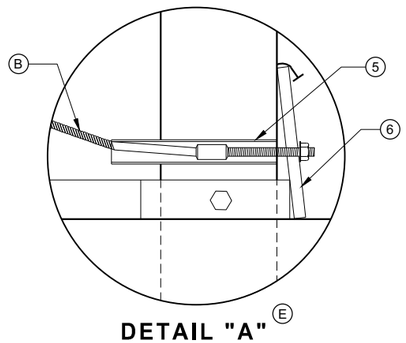
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

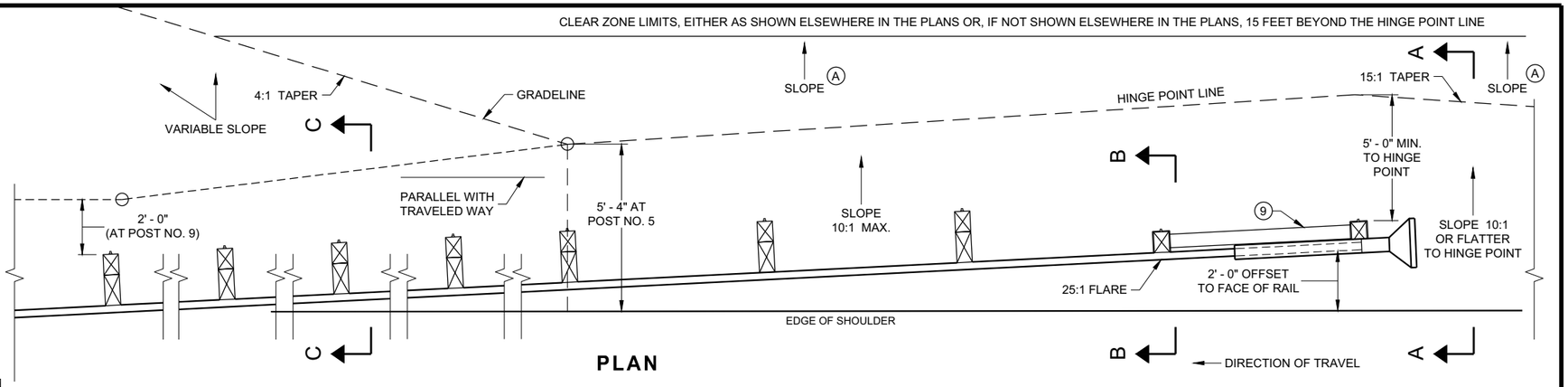
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

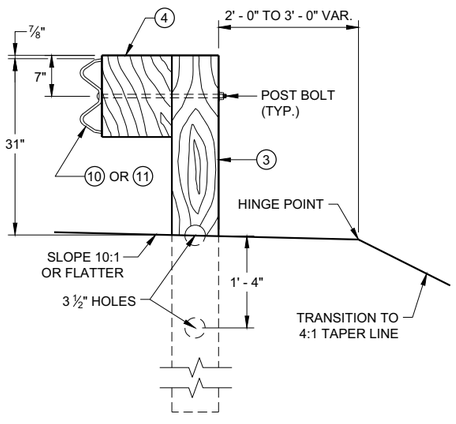
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.

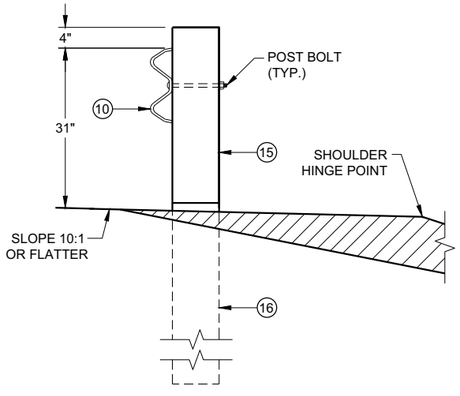


DETAIL "A" (E)

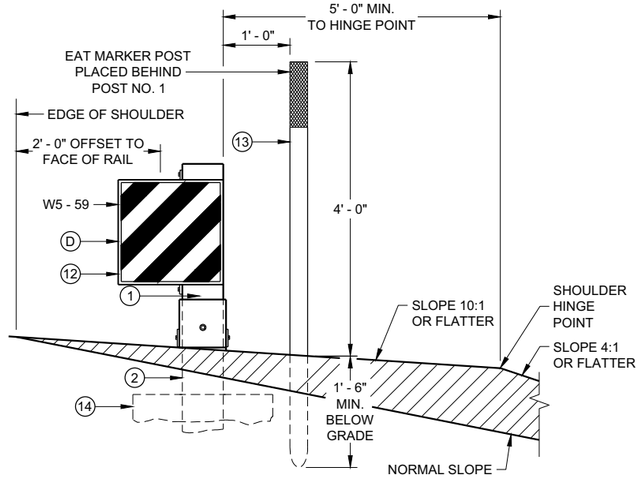




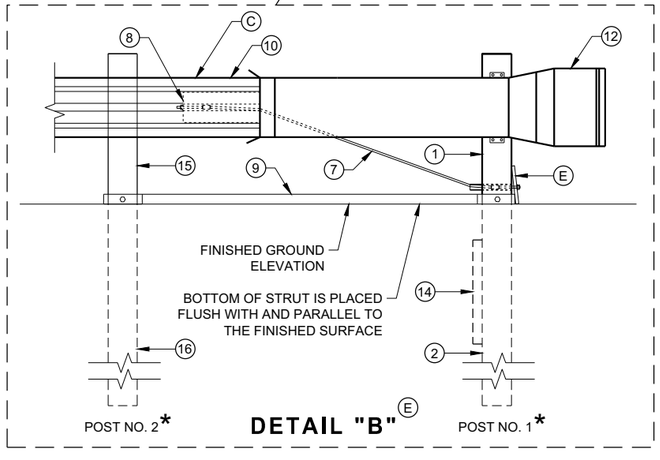
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*

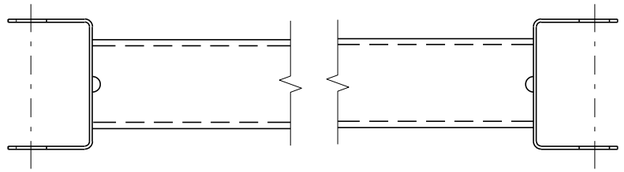


MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

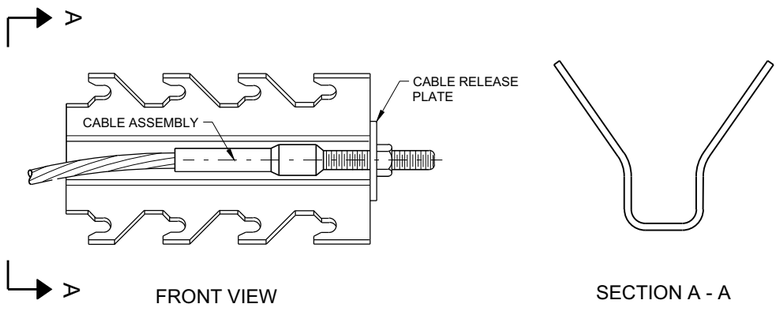
6



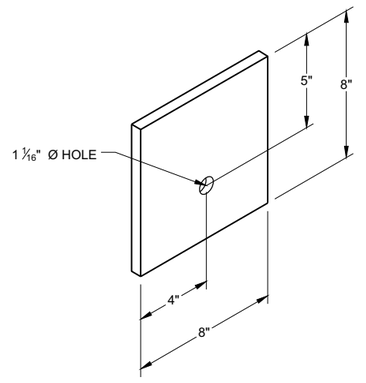
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

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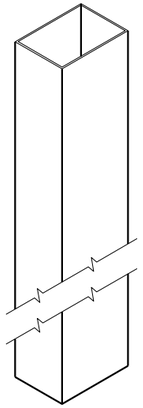
SDD 14B44 - 04b

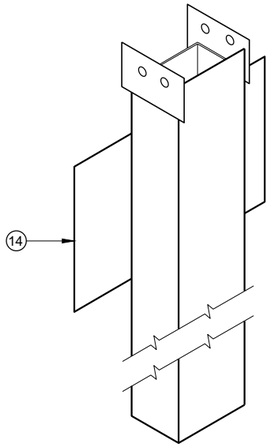
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

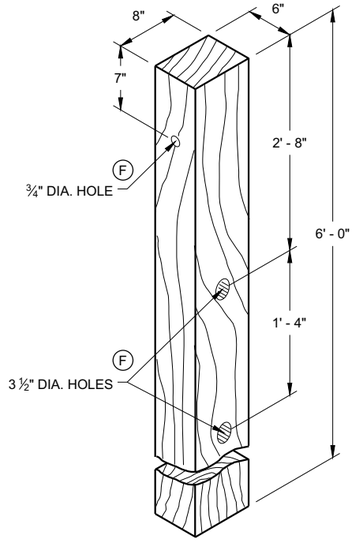
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



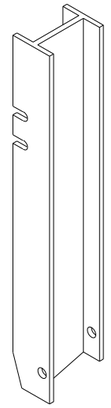
UPPER POST NO. 1 (1) (E)



LOWER POST NO. 1 (2) (E)



WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



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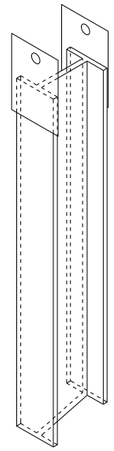
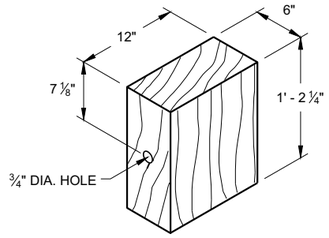
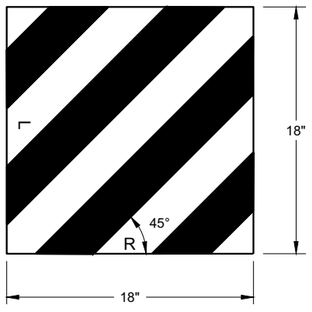


LOWER POST NO. 2 (16) (E)

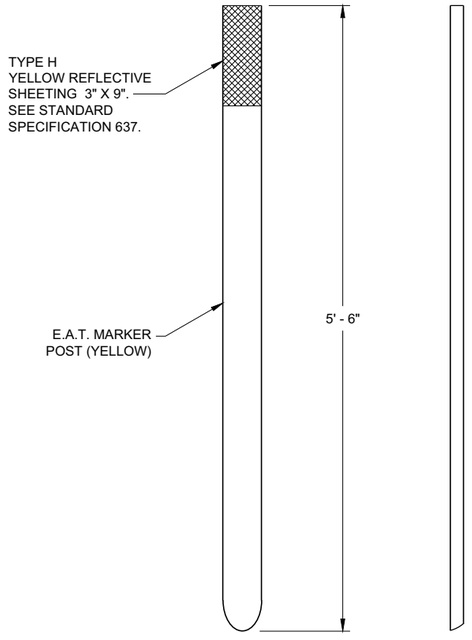


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



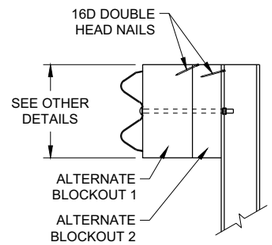
W5 - 59

REFLECTIVE SHEETING DETAIL (E)

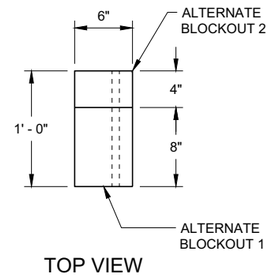


FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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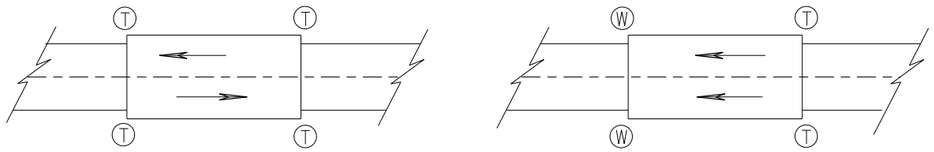
SDD 14B44 - 04c
SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

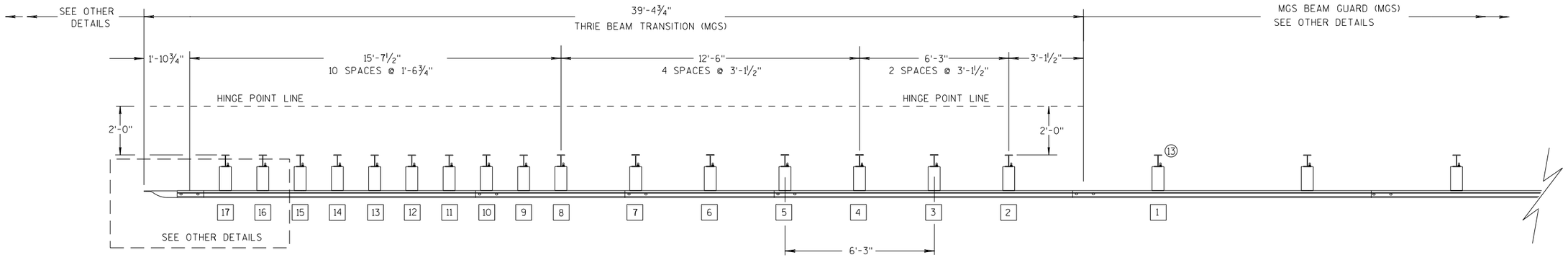
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

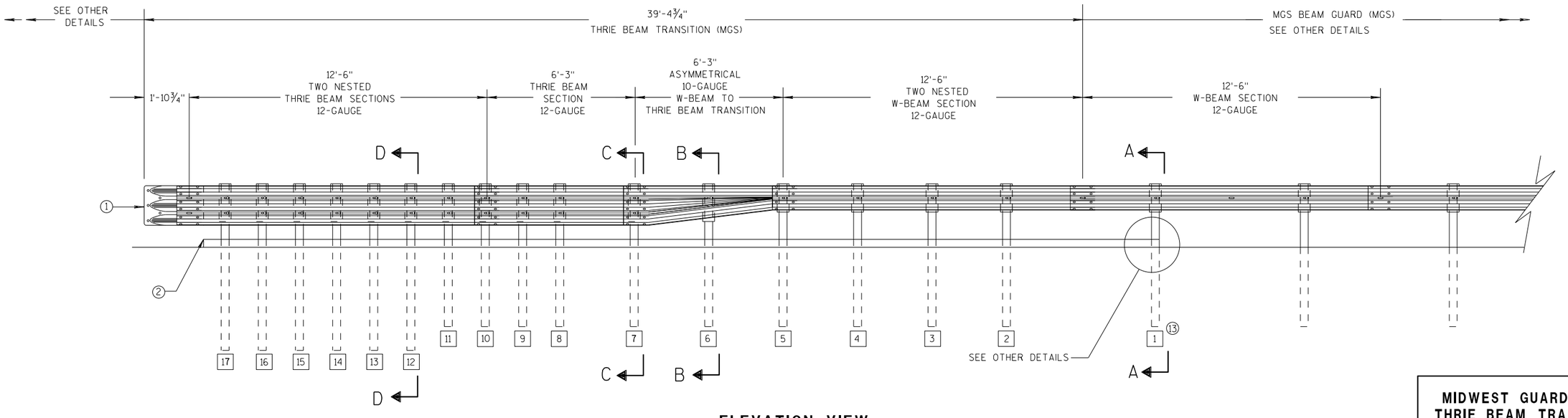
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 45-5a

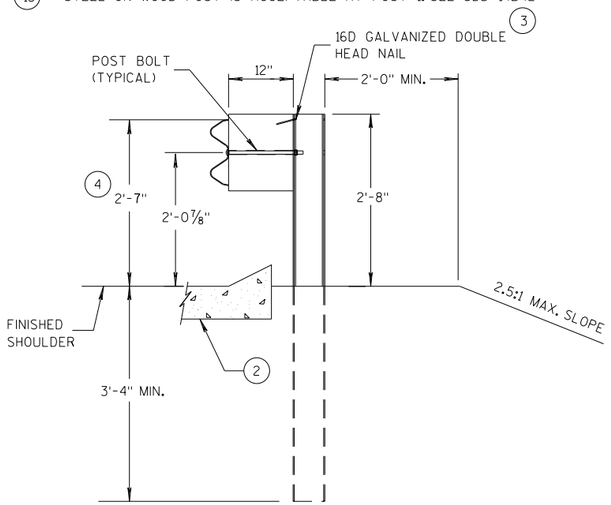
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

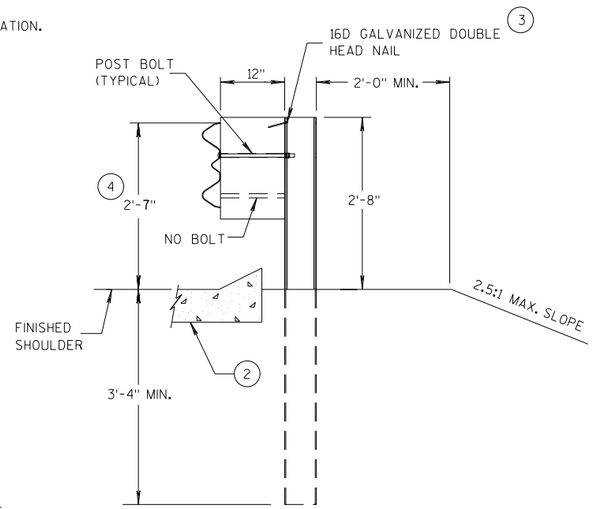
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



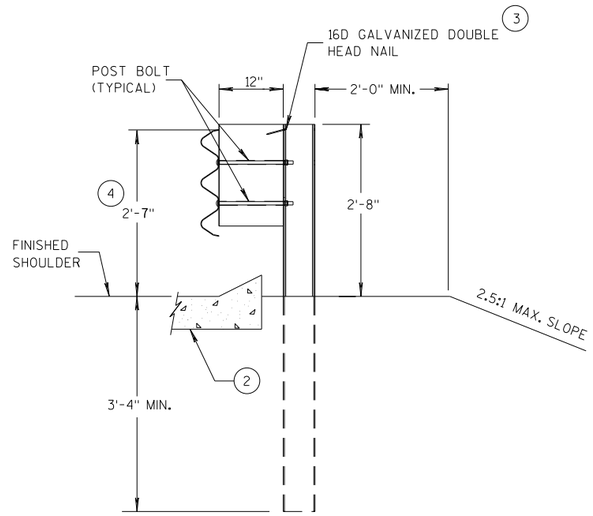
SECTION A-A (13)

POSTS 1-5



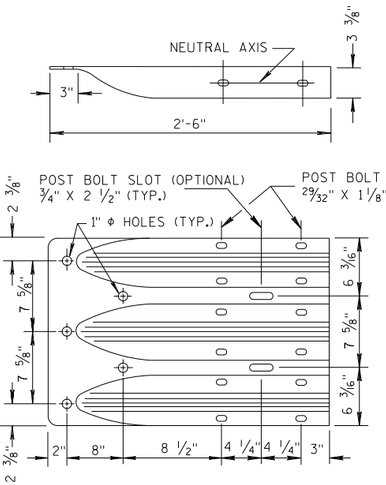
SECTION B-B

POST 6

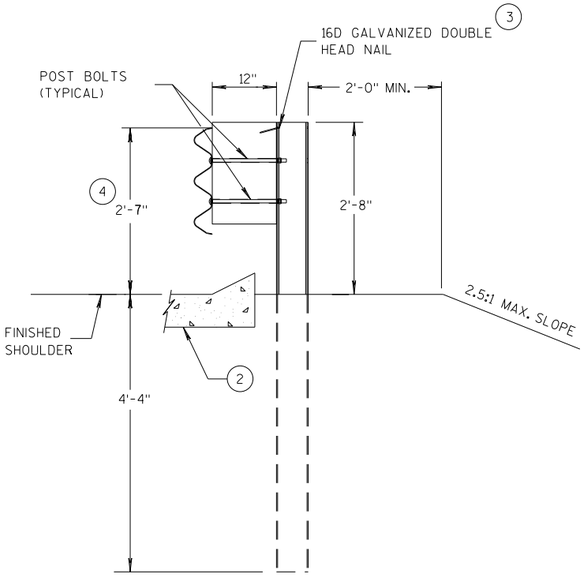


SECTION C-C

POSTS 7-11

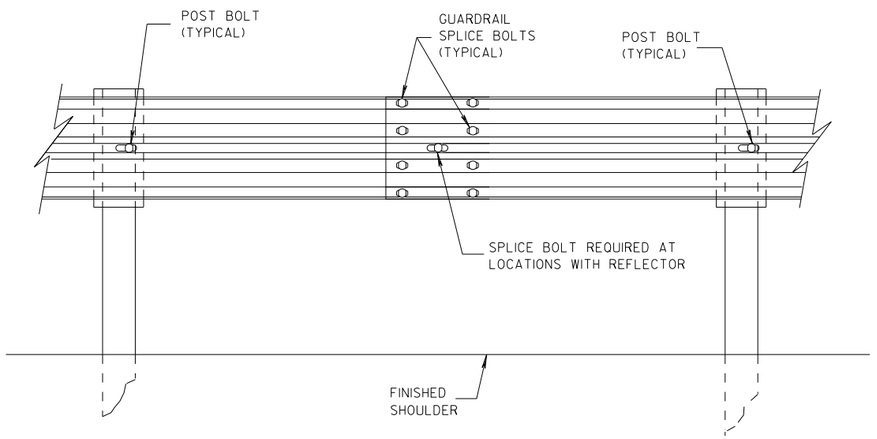


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

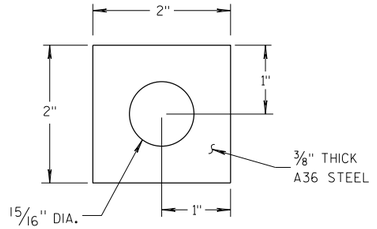
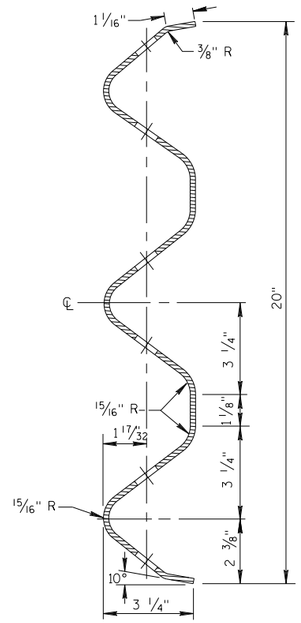


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 287

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S.D.D. 14 B 45-5b

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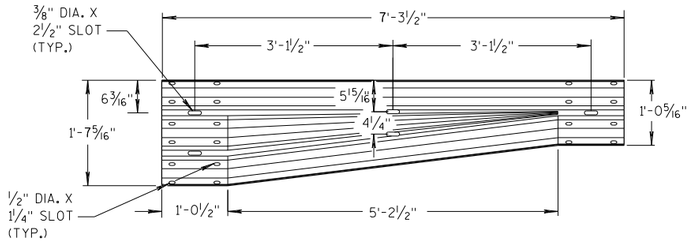
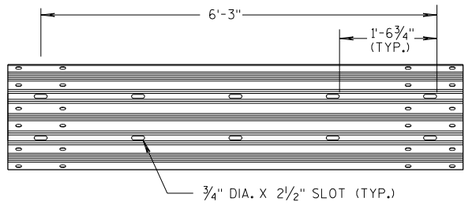
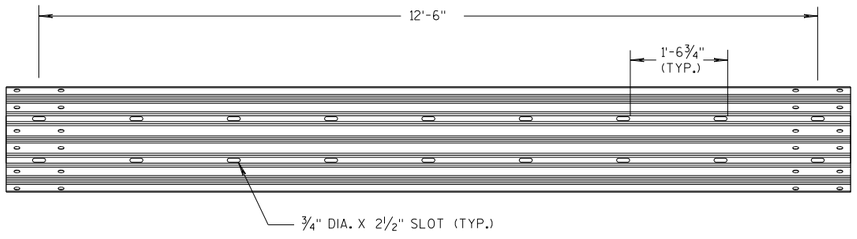
S.D.D. 14 B 45-5b



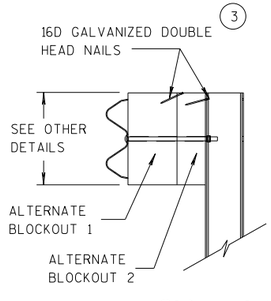
W-BEAM TO THRIE BEAM TRANSITION SECTION



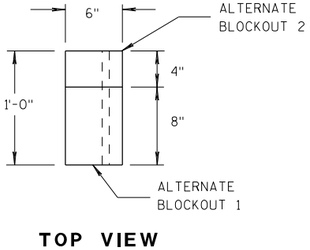
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

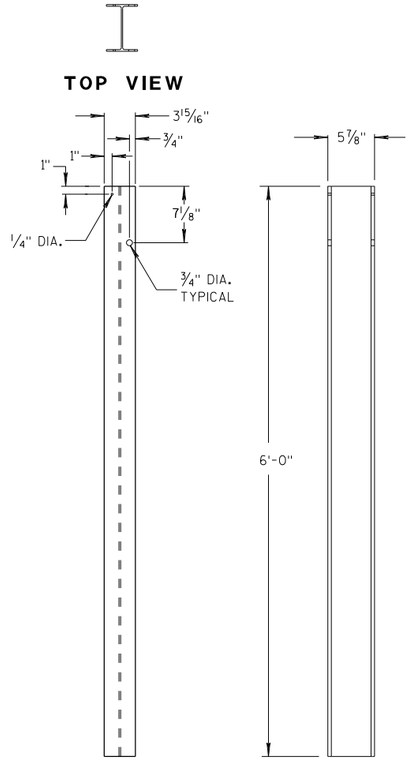


SIDE VIEW



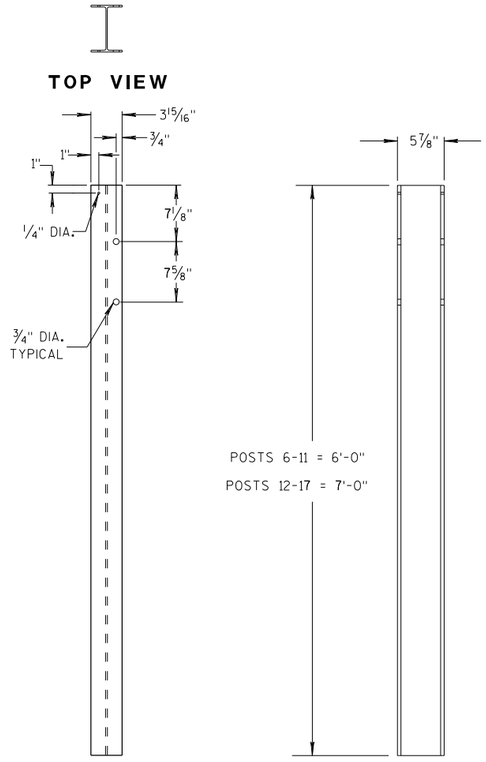
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



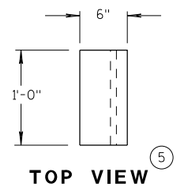
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

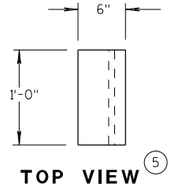


FRONT VIEW SIDE VIEW

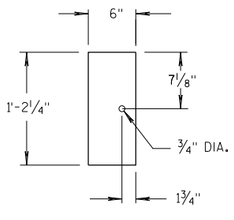
STEEL POSTS 6-17



TOP VIEW (5)

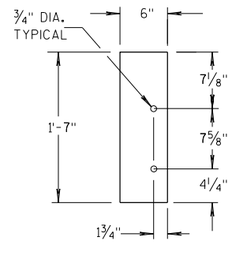


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

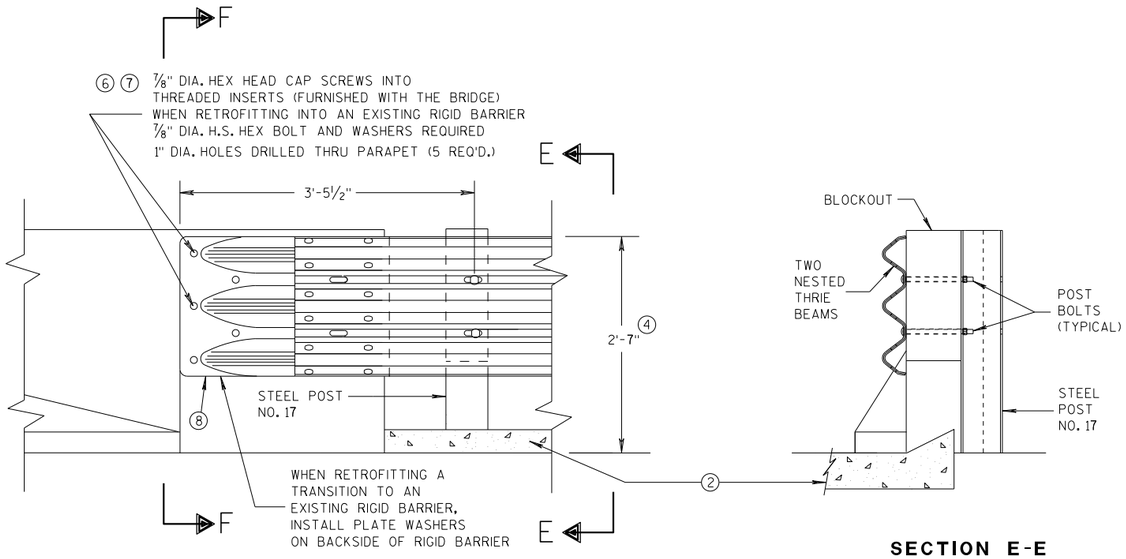
(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

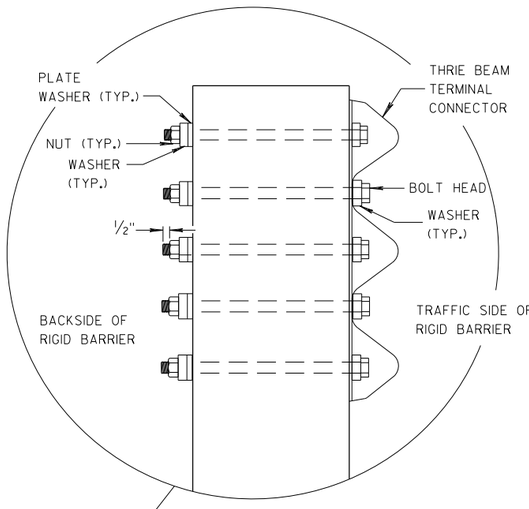
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

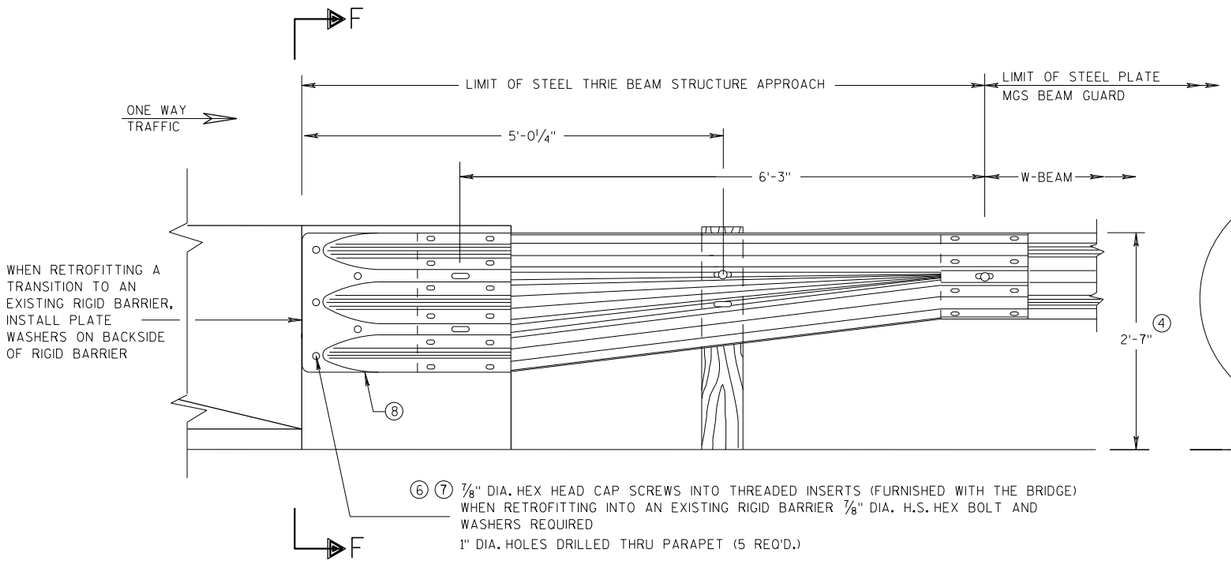
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

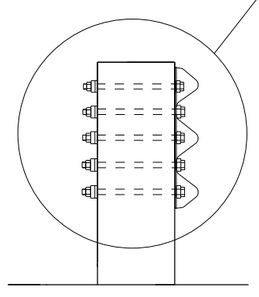
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

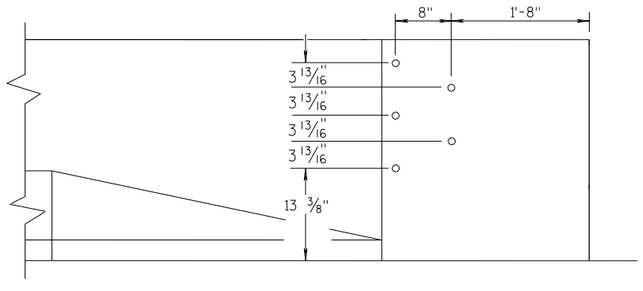




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D[illegible] UNIT SUPERVI[illegible]NT
FHWA

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S.D.D. 14 B 45-5d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

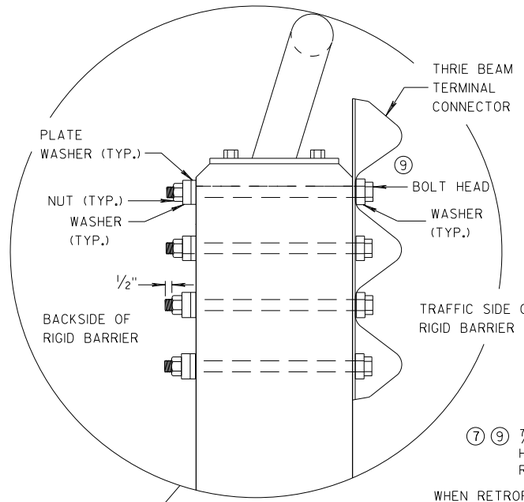
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

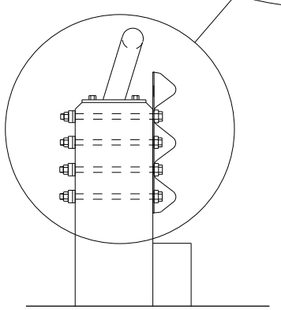
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

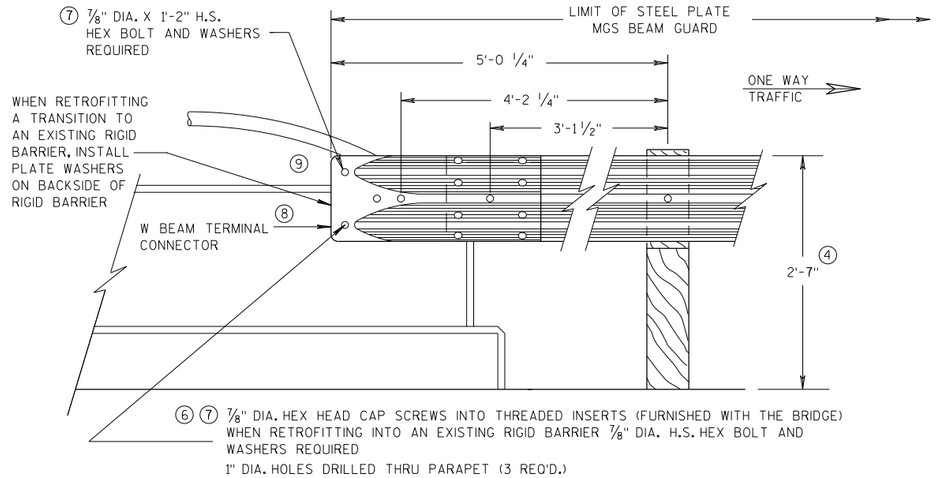
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





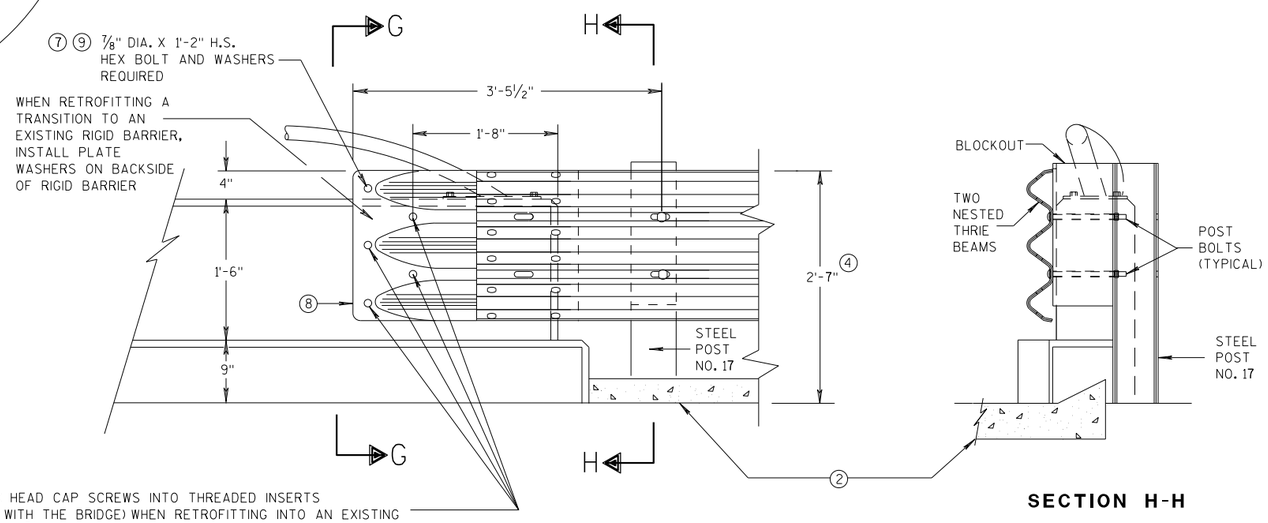
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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07/2018 — DATE
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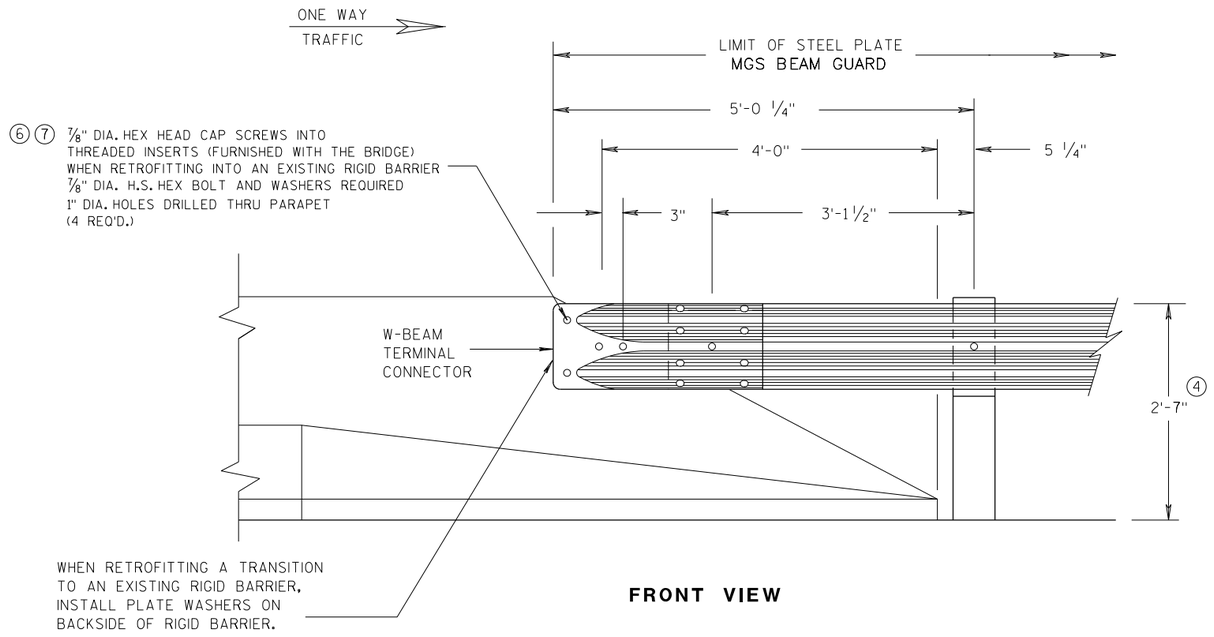


FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

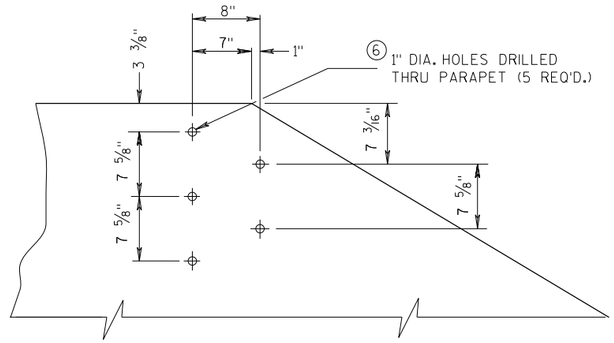
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

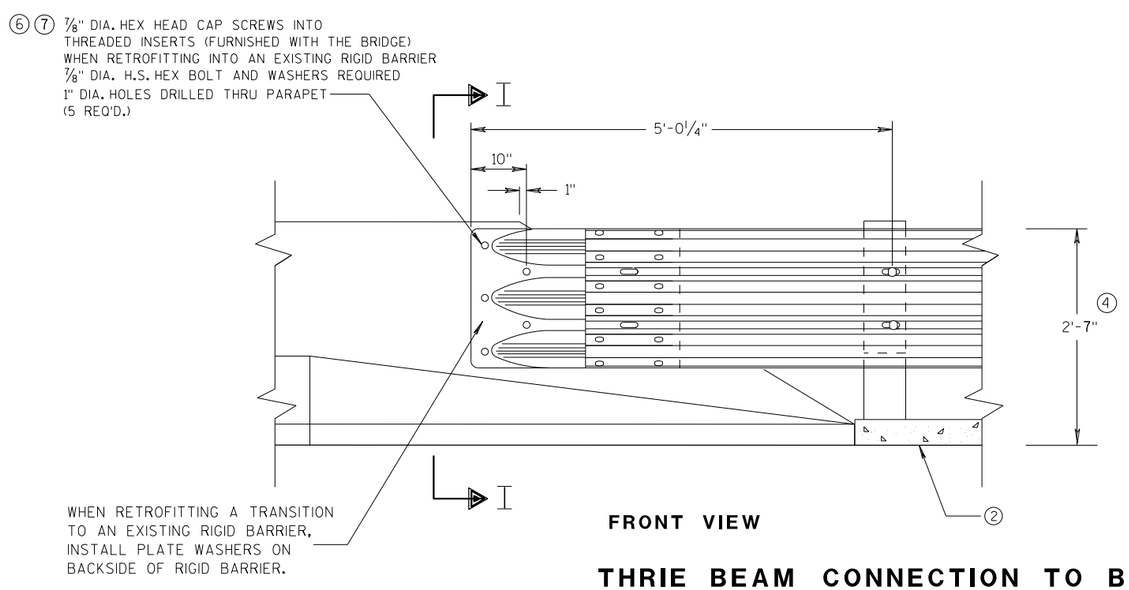
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

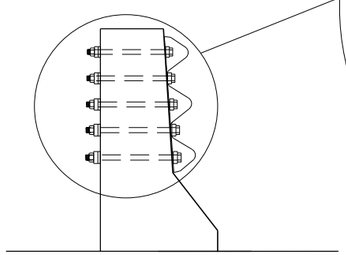
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



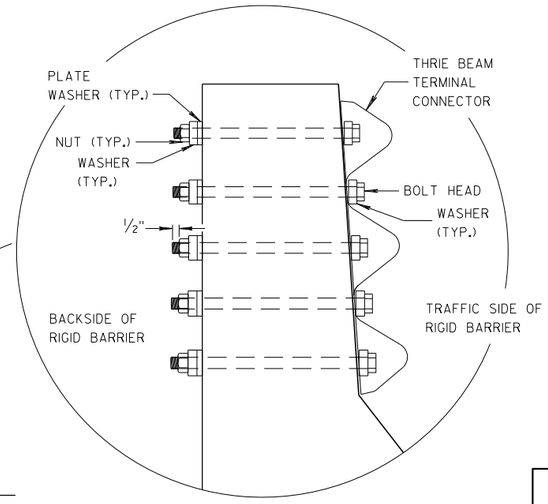
DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS [illegible] UNIT SUPERVI[illegible]ENT
FHWA

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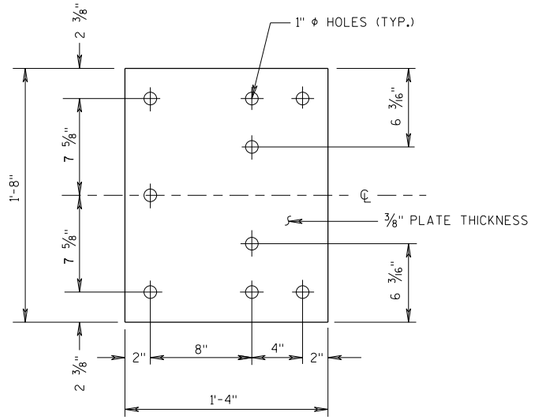
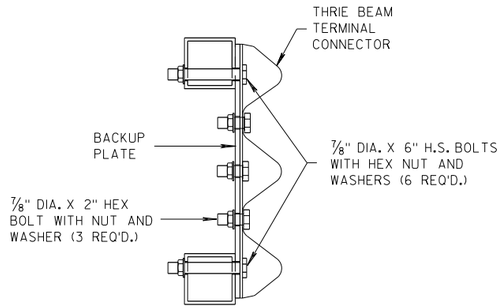


BACK-UP PLATE DETAIL

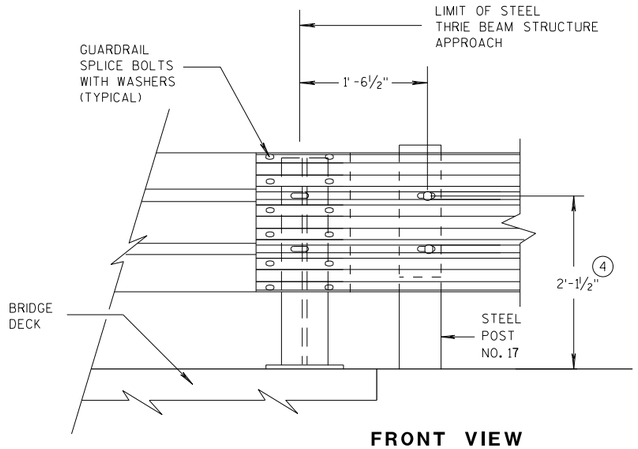


SECTION J-J

GENERAL NOTES

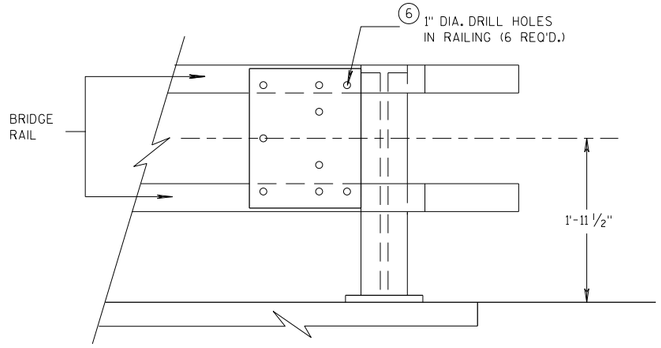
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(6) DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

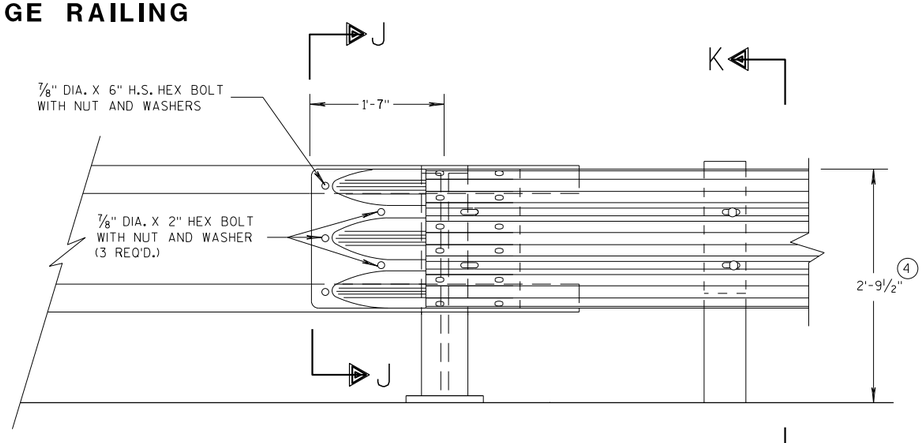


FRONT VIEW

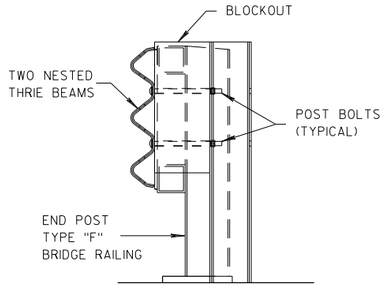
THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 07/2018 — DATE
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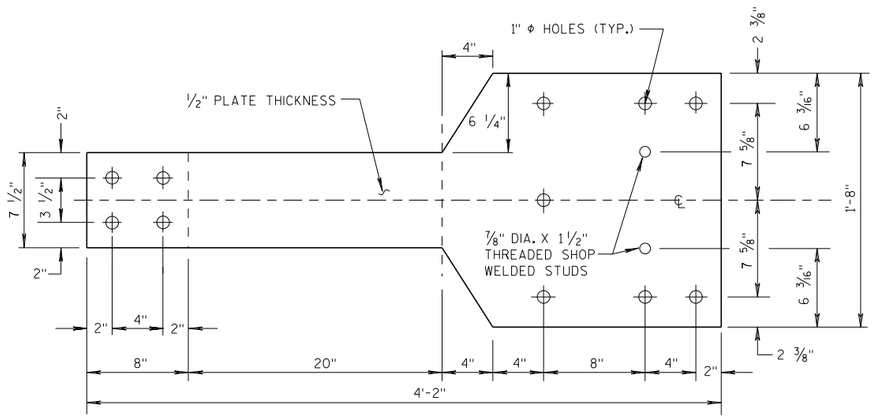
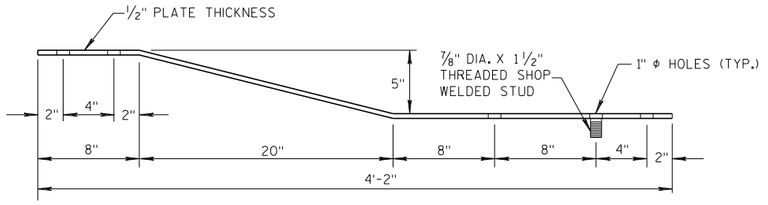
GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

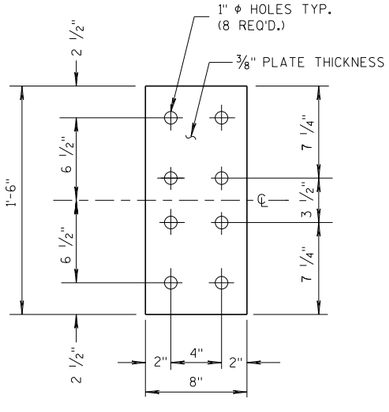


FRONT VIEW



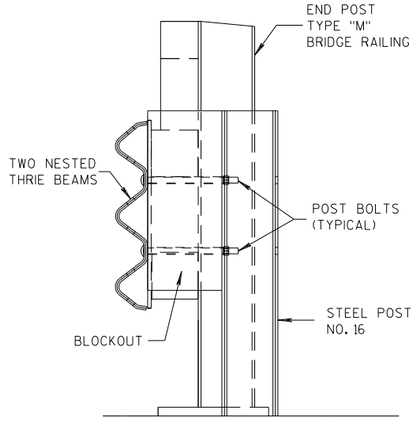
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

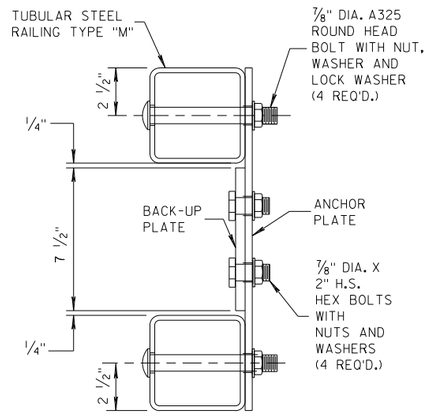


FRONT VIEW

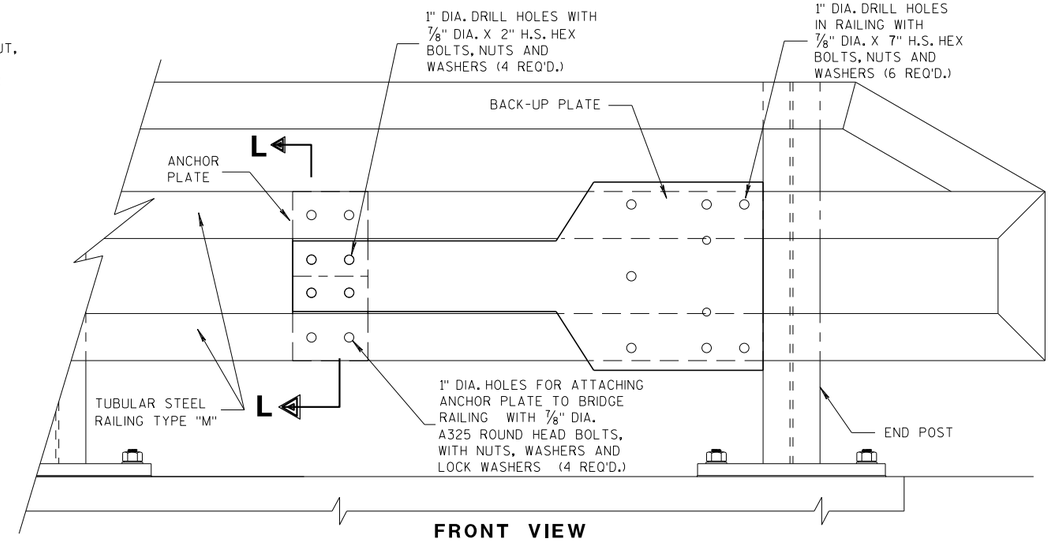
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

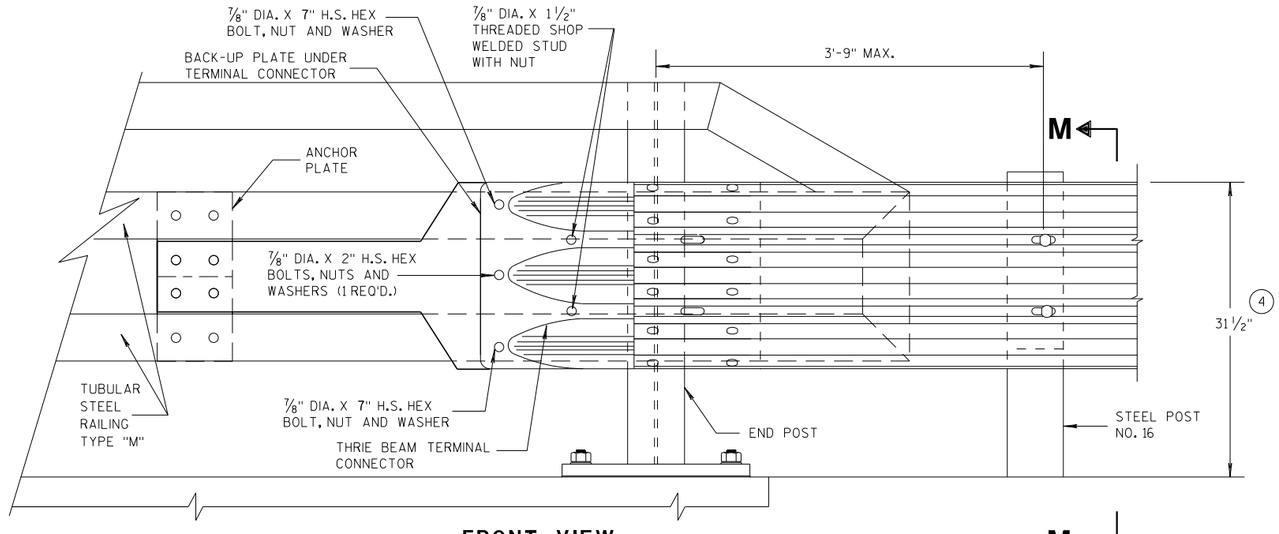


SECTION L-L

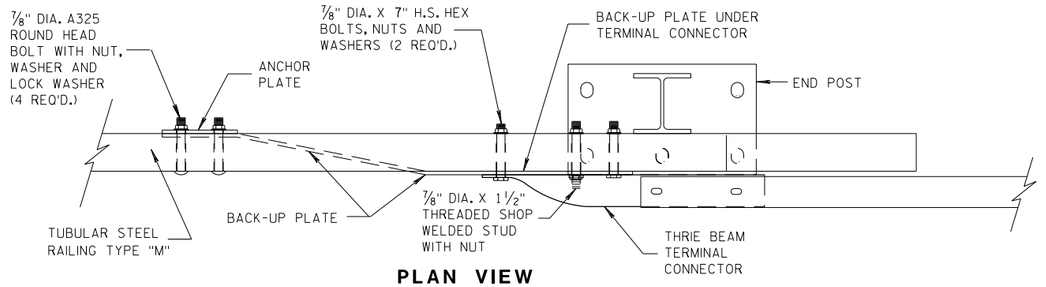


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
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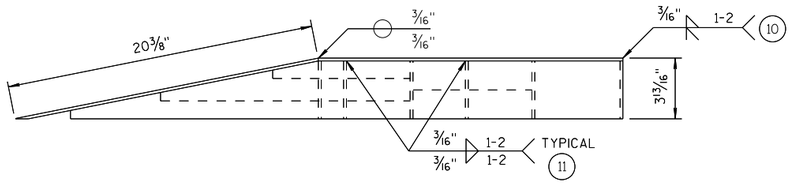

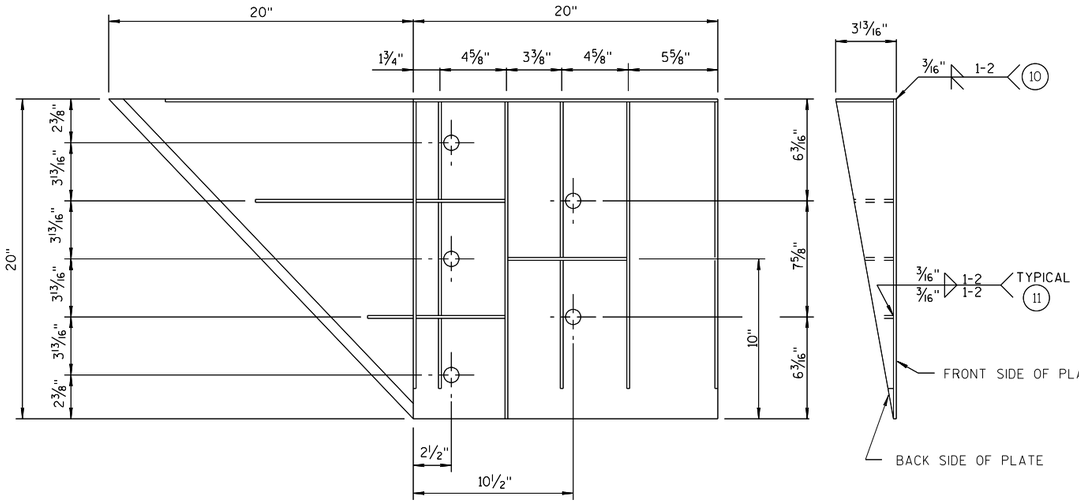

WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

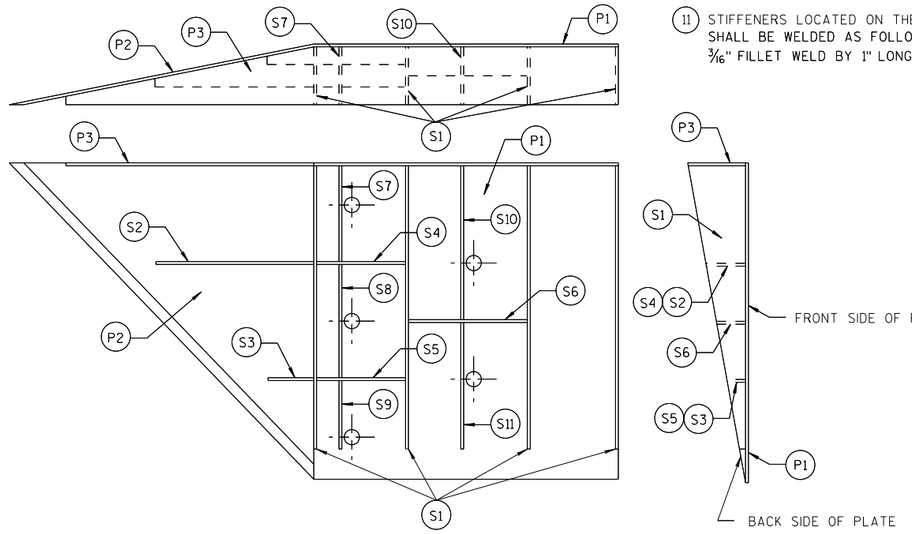

PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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7/2018
DATE
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ROADWAY STANDARDS I
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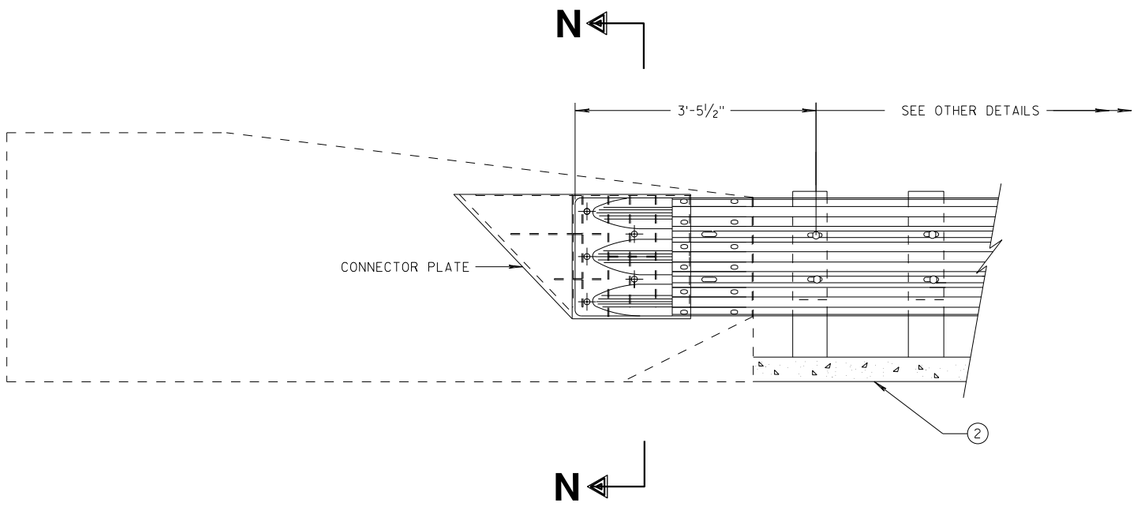
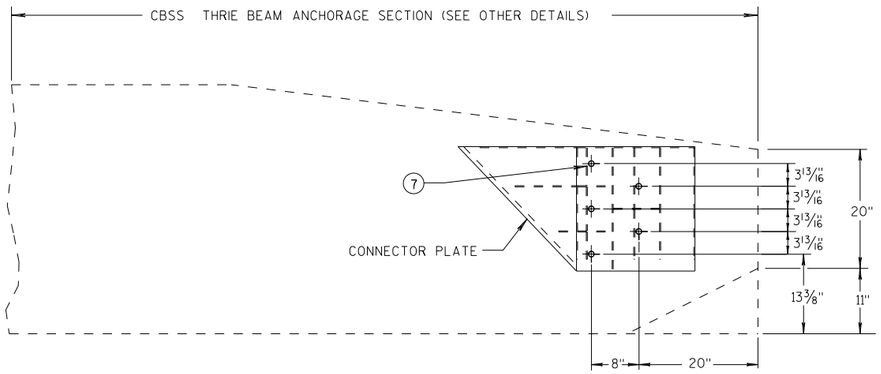


THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



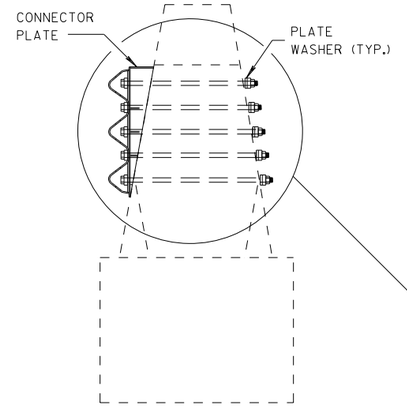
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

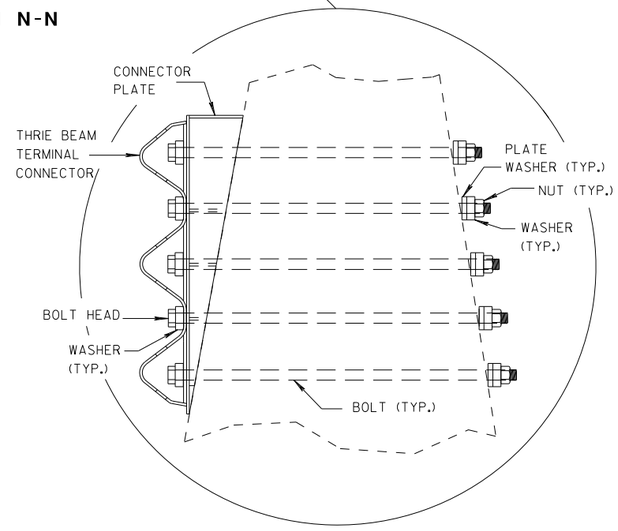
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

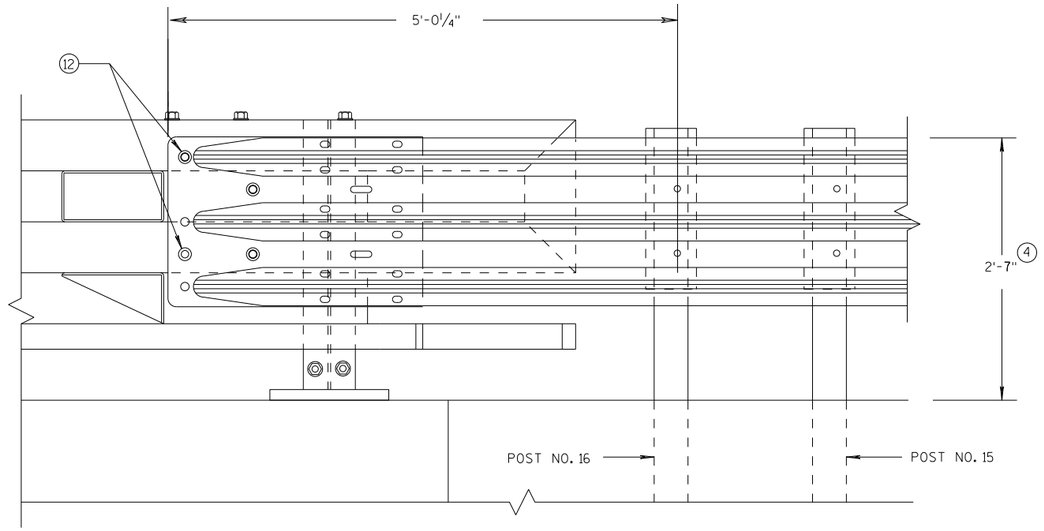
/S/ Rodney Taylor
ROADWAY STANDARDS DI
UNIT SUPERVIS

6

S.D.D. 14 B 45-5j

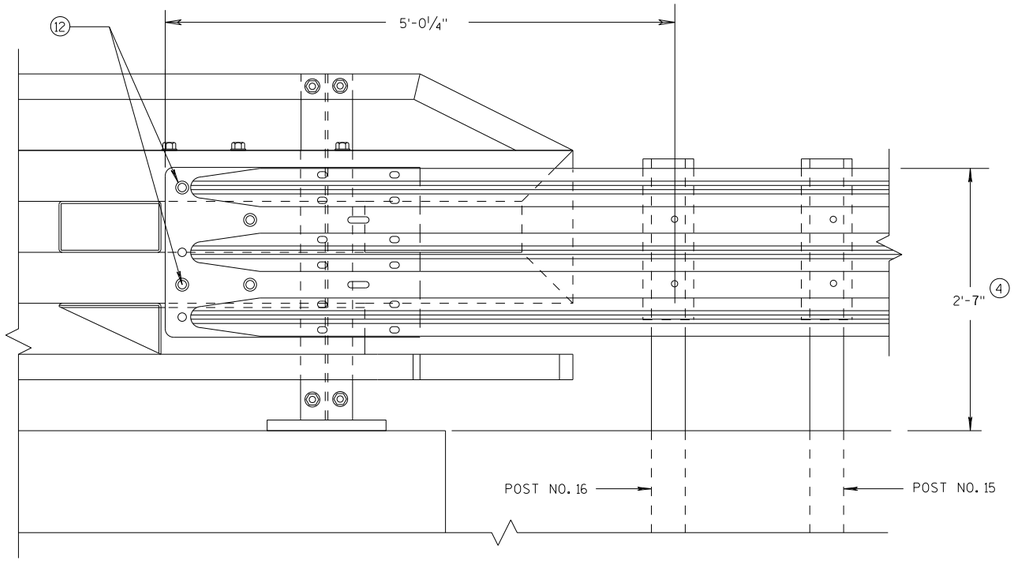
6

S.D.D. 14 B 45-5j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVIS

NT

6

S.D.D. 14 B 45-5k

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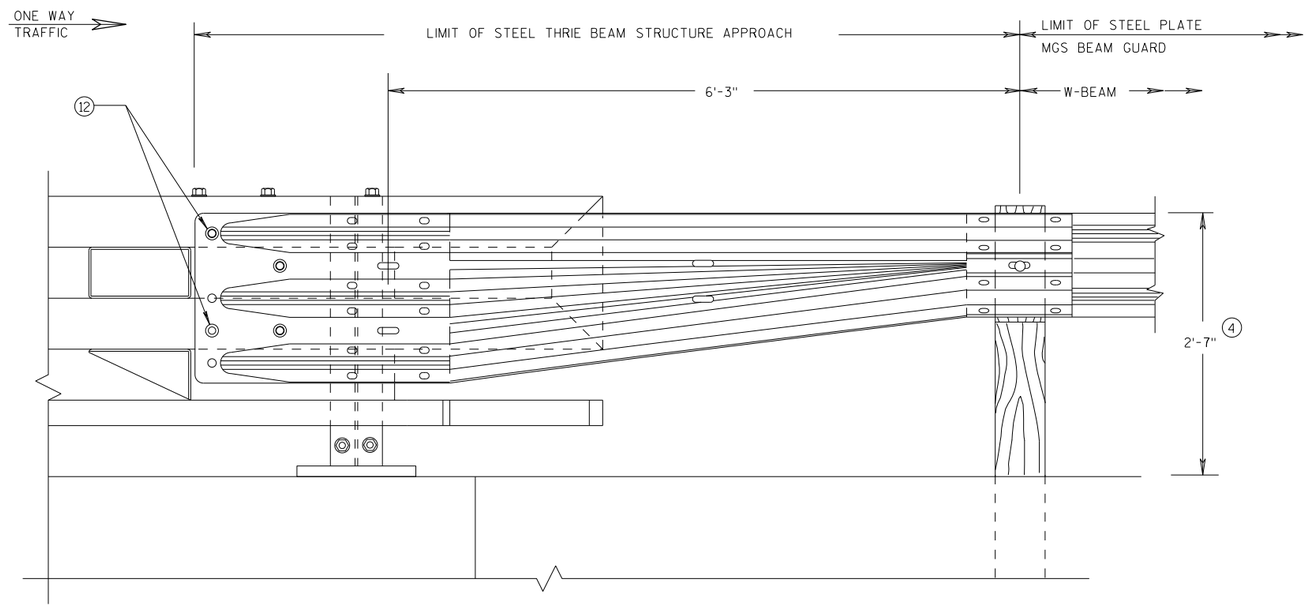
S.D.D. 14 B 45-5k



FRONT VIEW

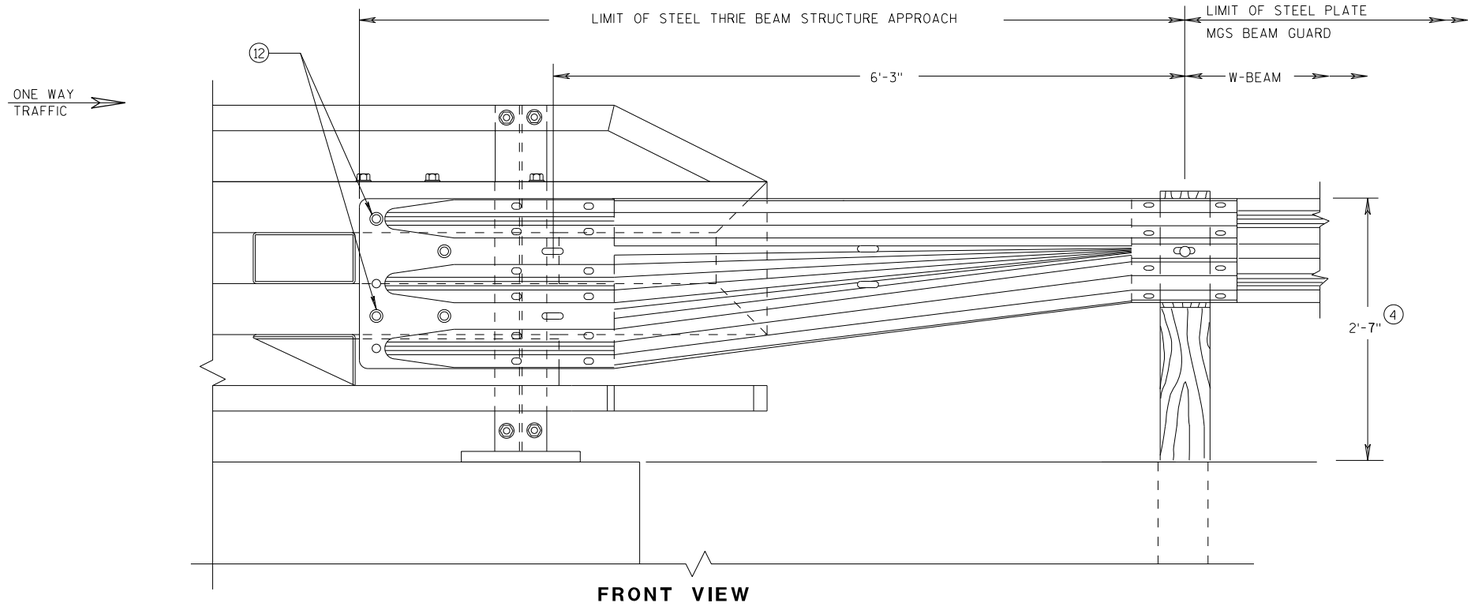
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVIS

297

NT

6

S.D.D. 14 B 45-5L

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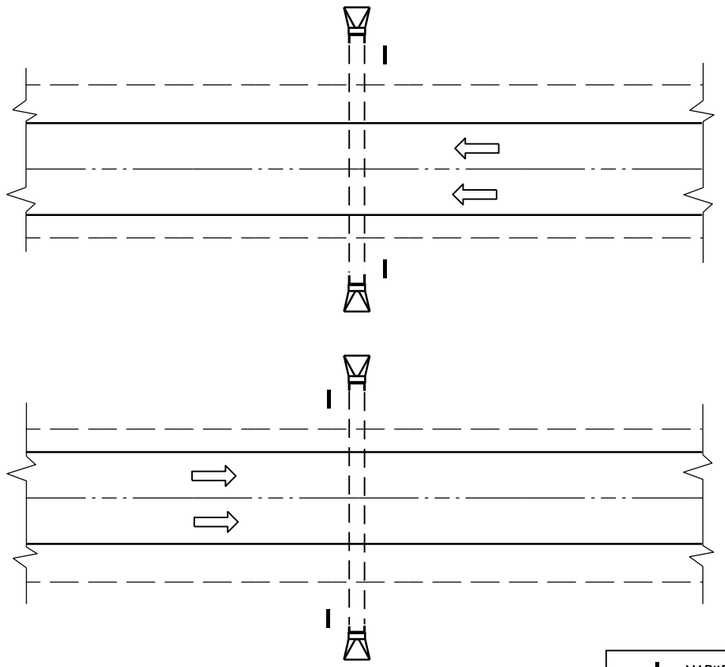
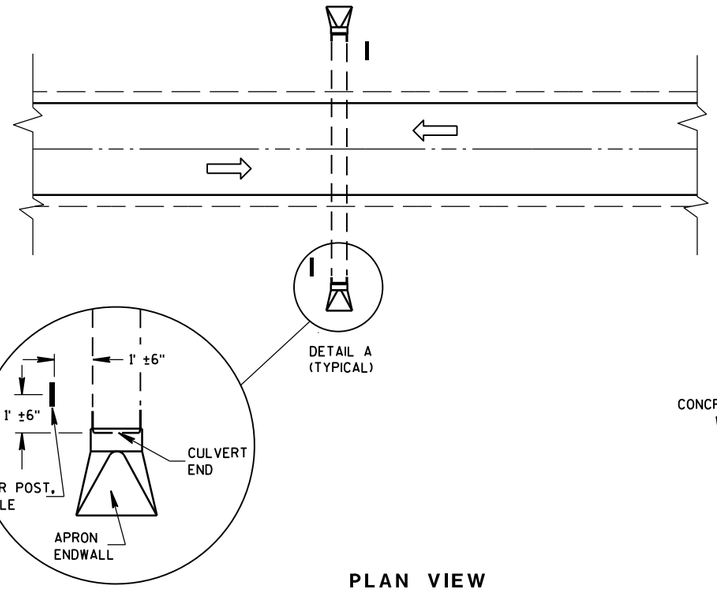
S.D.D. 14 B 45-5L



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

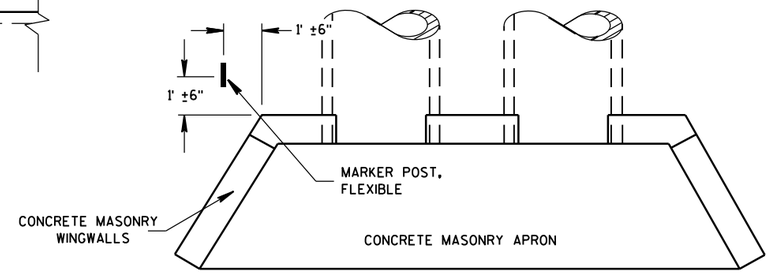
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

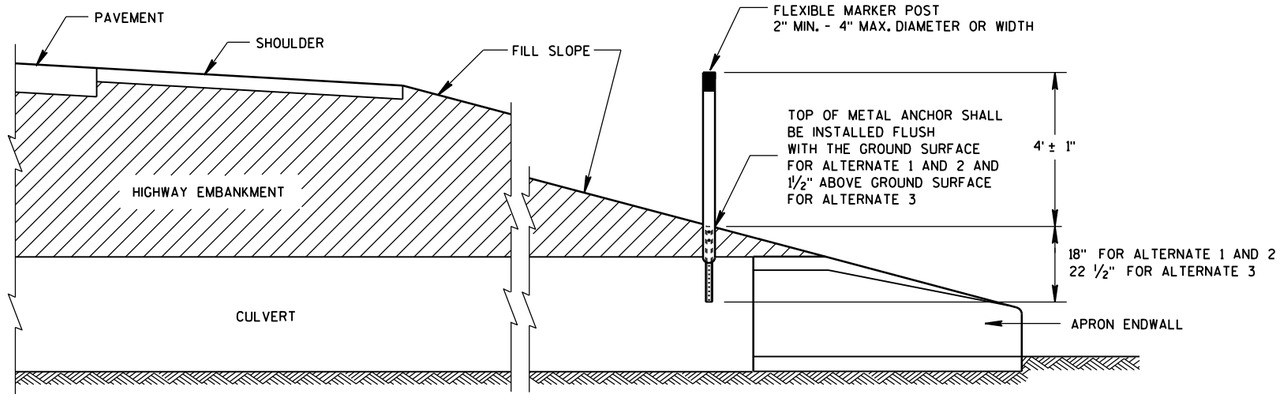
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 A 3-2a

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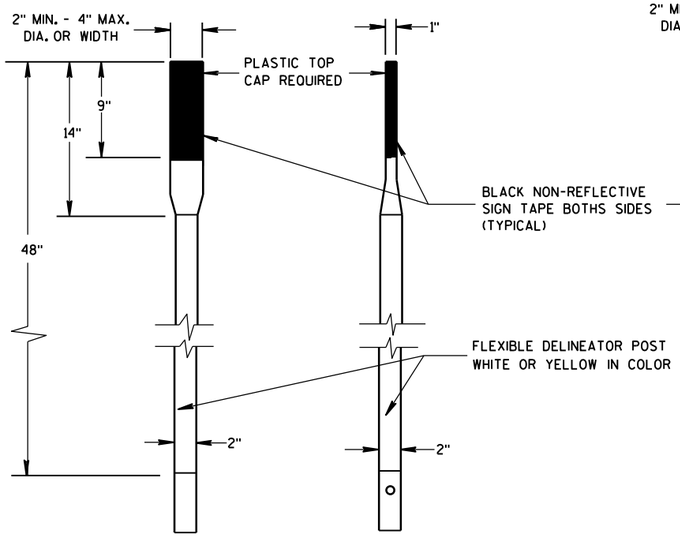
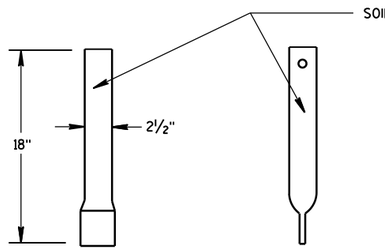
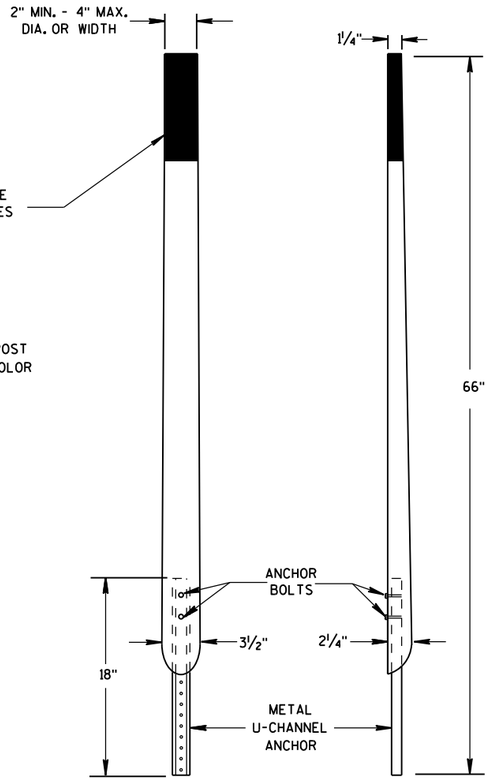
S.D.D. 15 A 3-2a





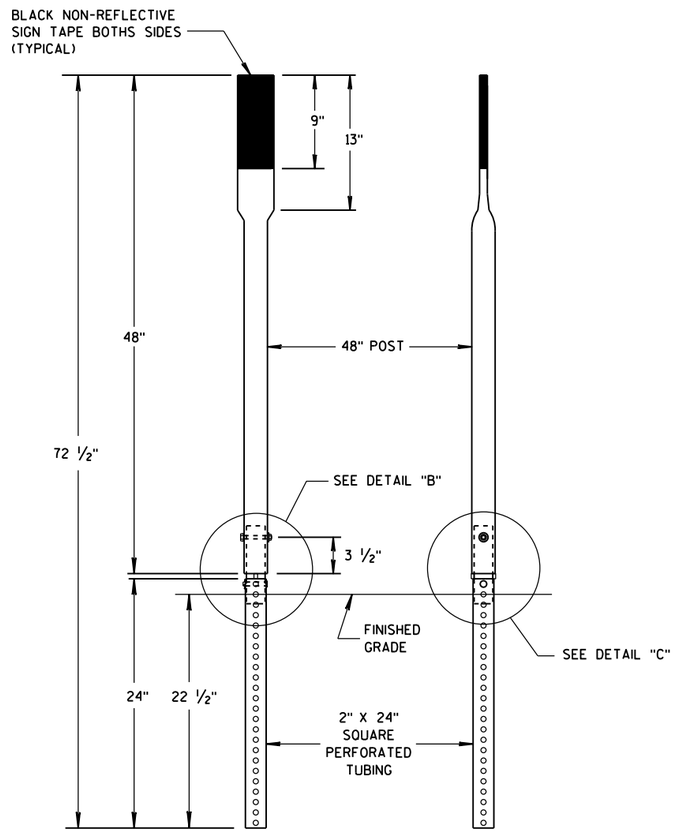
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

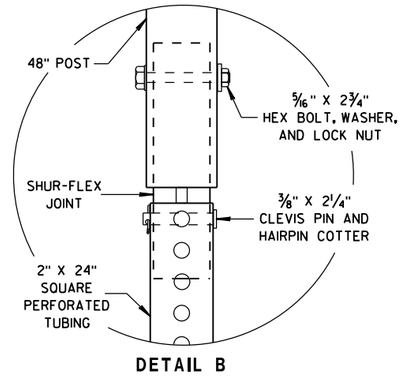
ALTERNATE 2



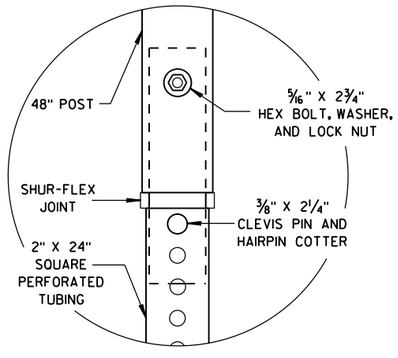
FRONT VIEW SIDE VIEW

ALTERNATE 3

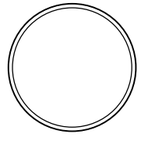
FLEXIBLE MARKER POSTS



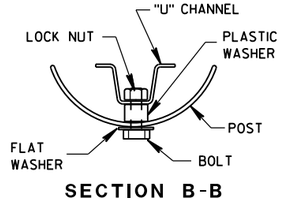
DETAIL B



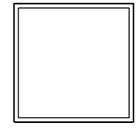
DETAIL C



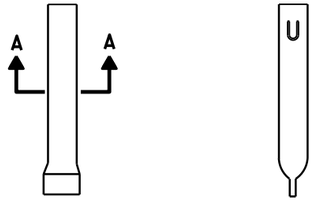
SECTION A-A



SECTION B-B

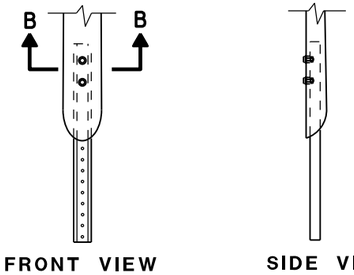


SECTION C-C



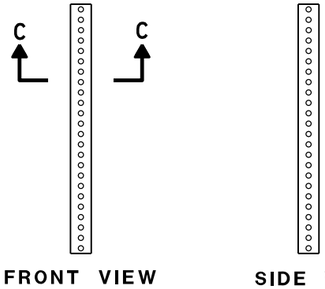
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

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

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
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

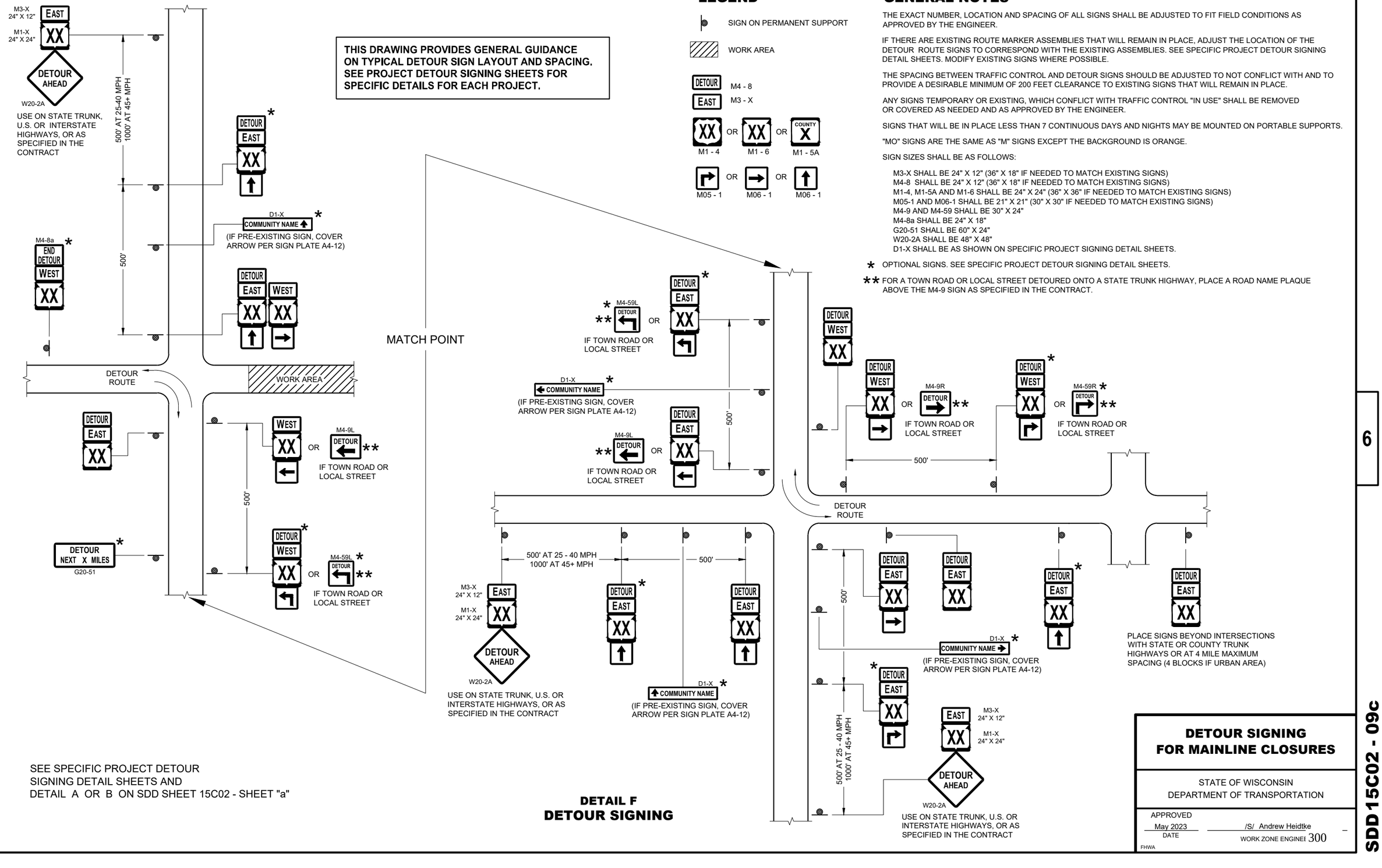
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

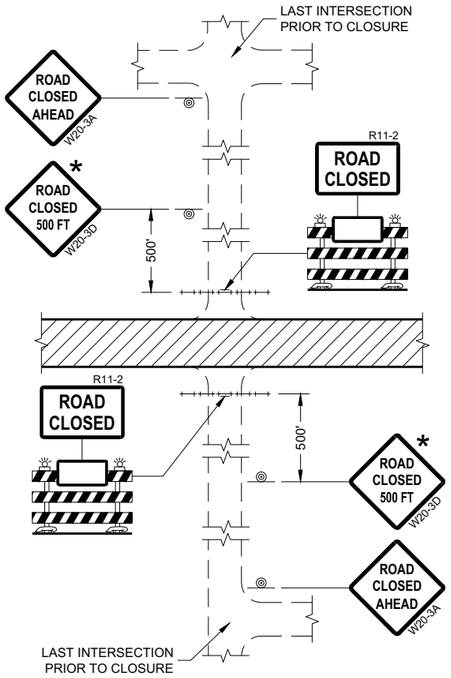
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

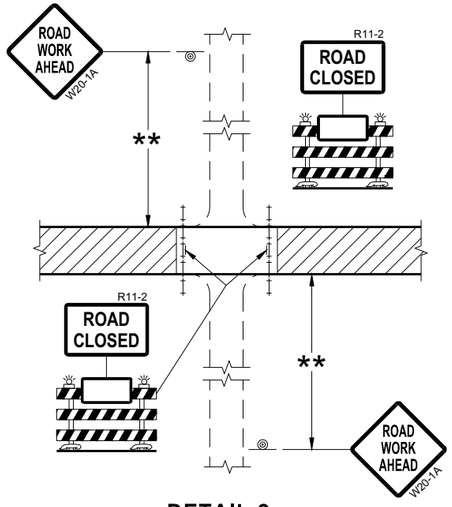
300

FHWA

6
SDD 15C02 - 09c



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

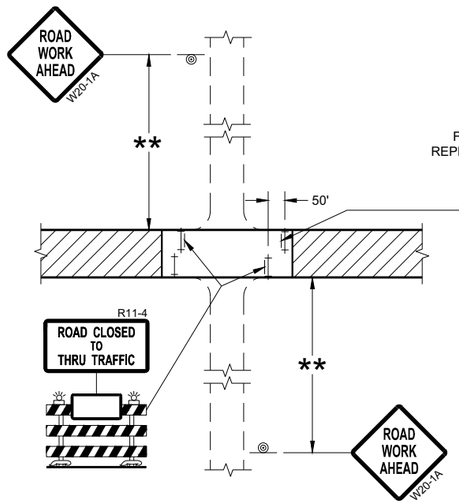
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

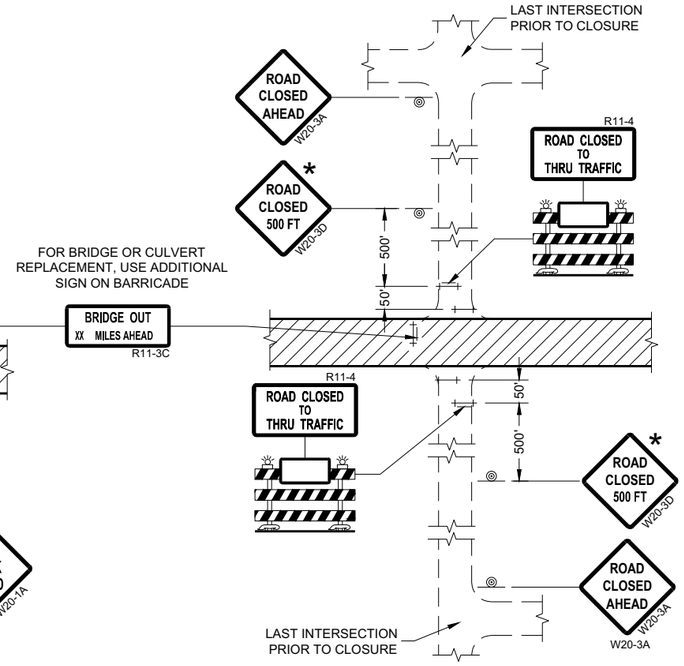
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

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.

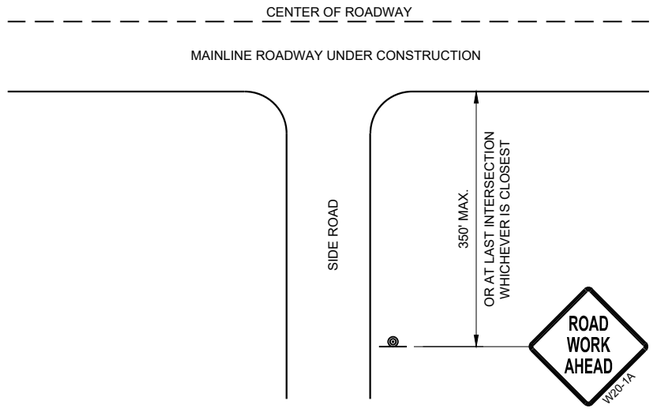
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



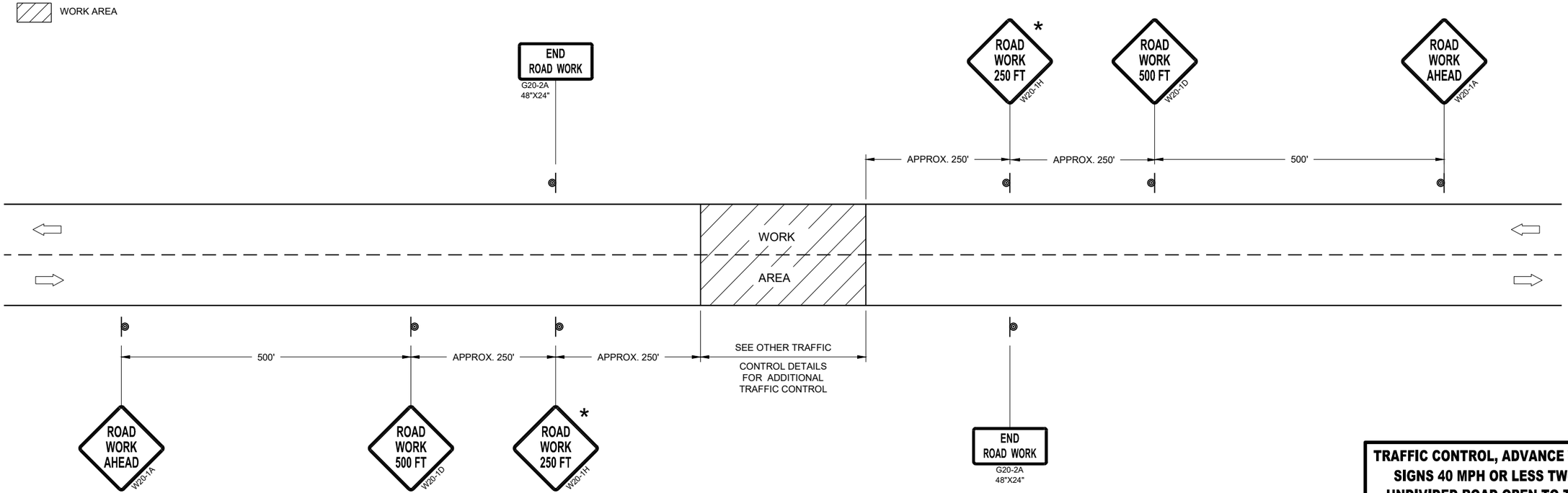
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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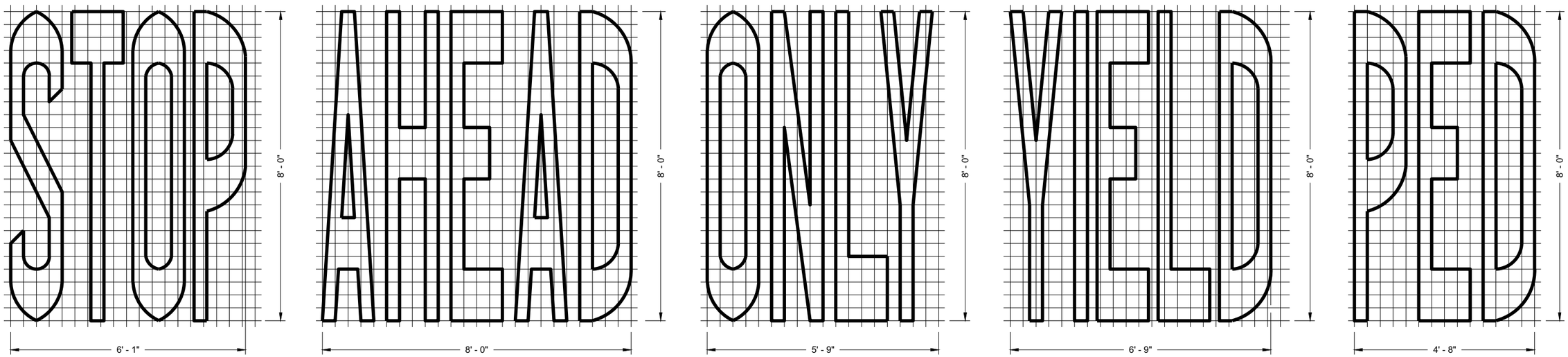
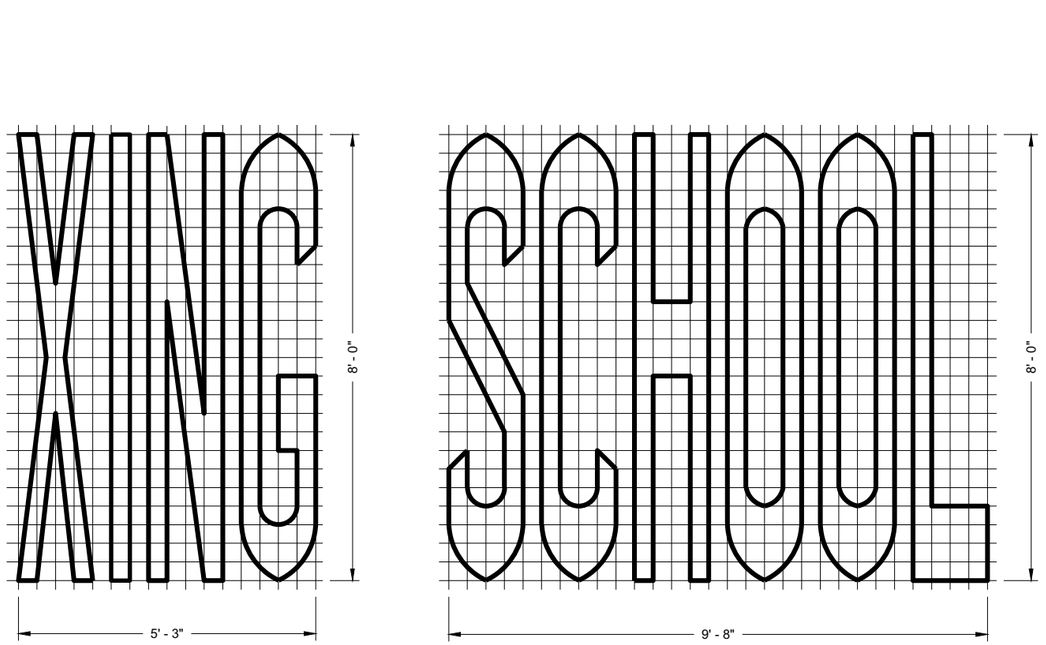
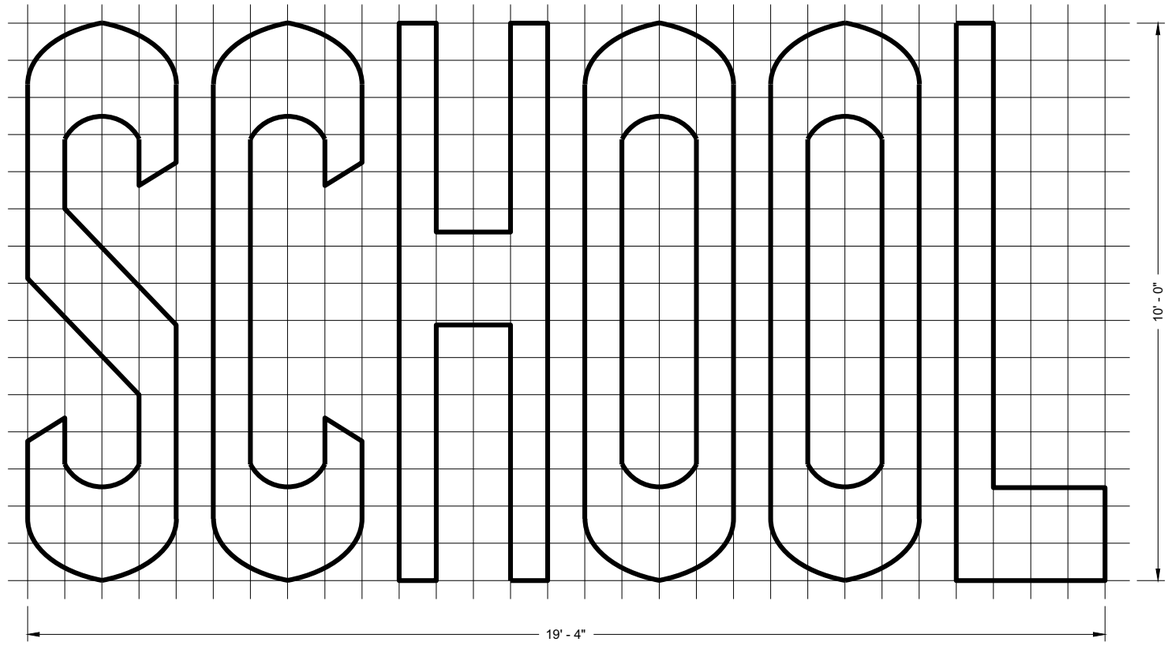
SDD 15C05 - 05





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

6

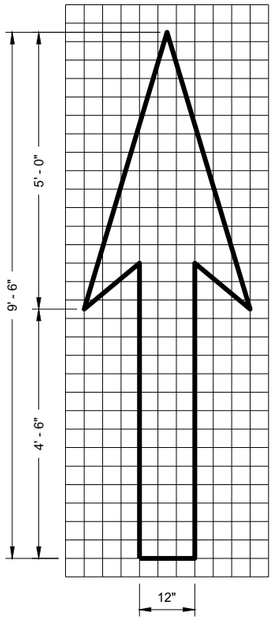
SDD 15C07 - 15b

6

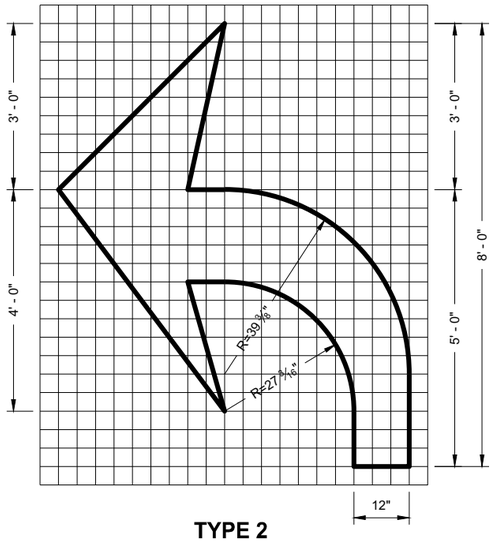
SDD 15C07 - 15b

GENERAL NOTES

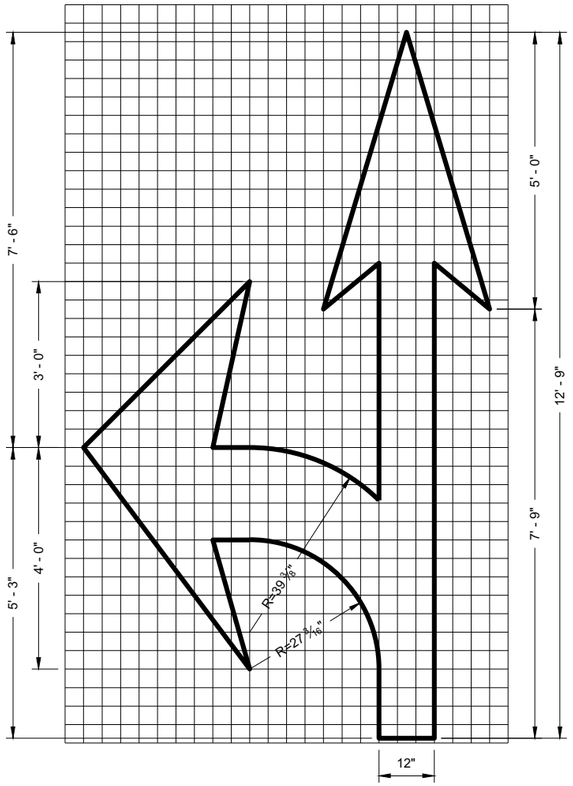
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 1



TYPE 2



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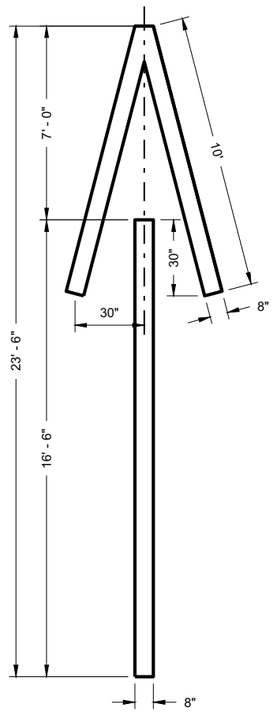

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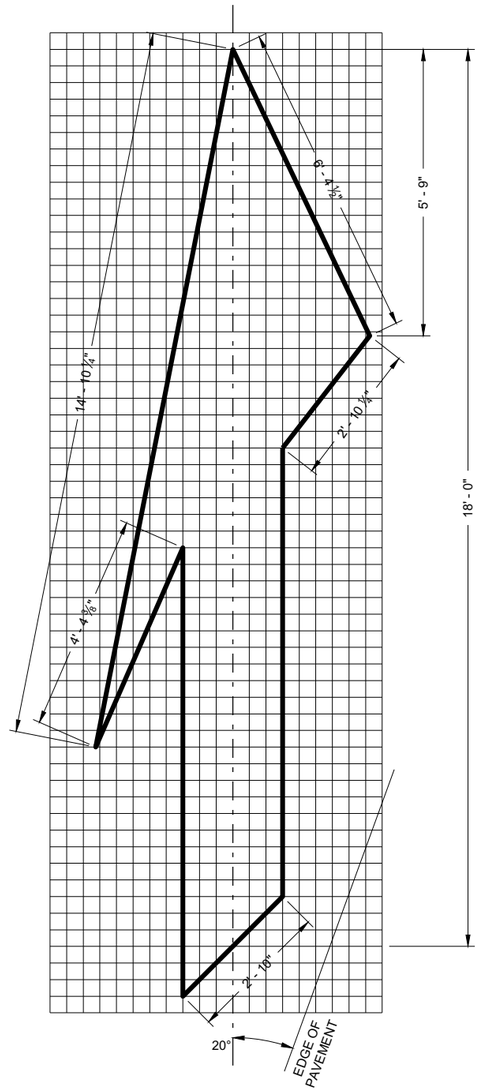
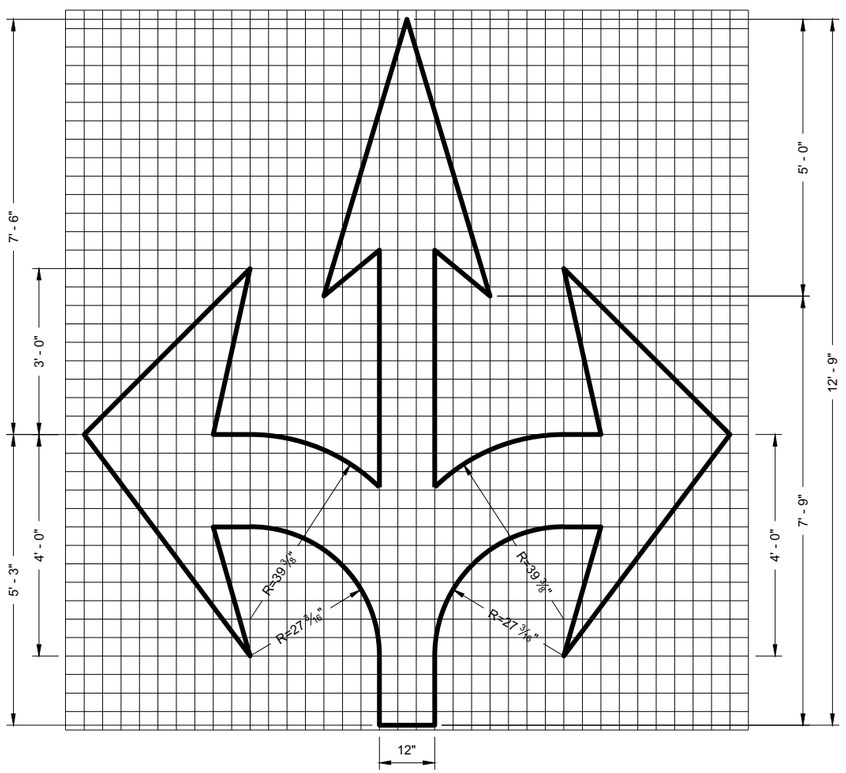
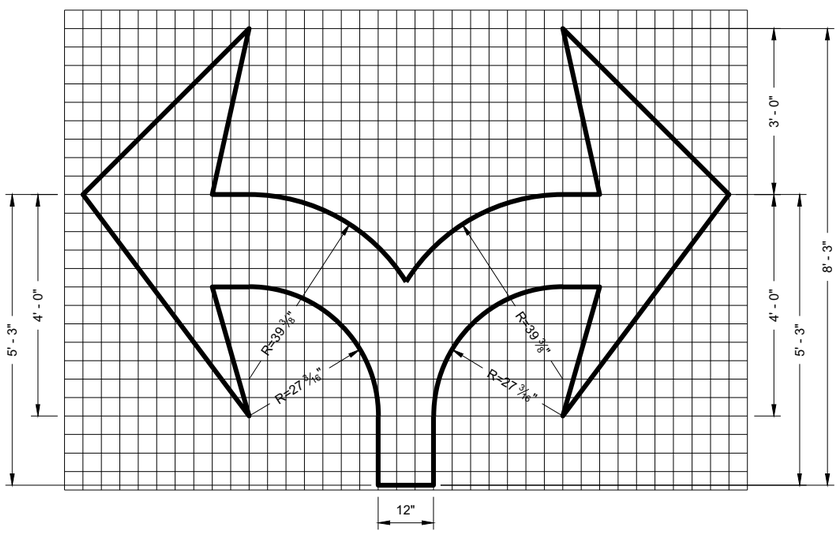


TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C07 - 15c

6

SDD 15C07 - 15c

GENERAL NOTES

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

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

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

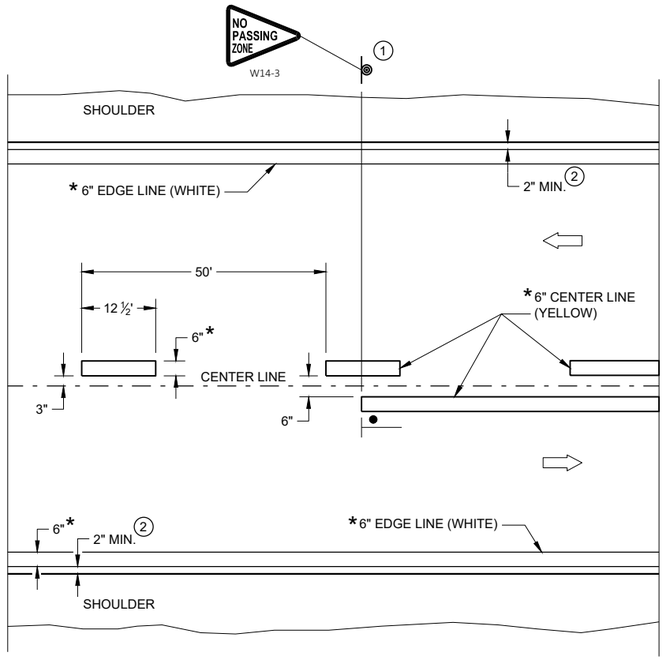
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

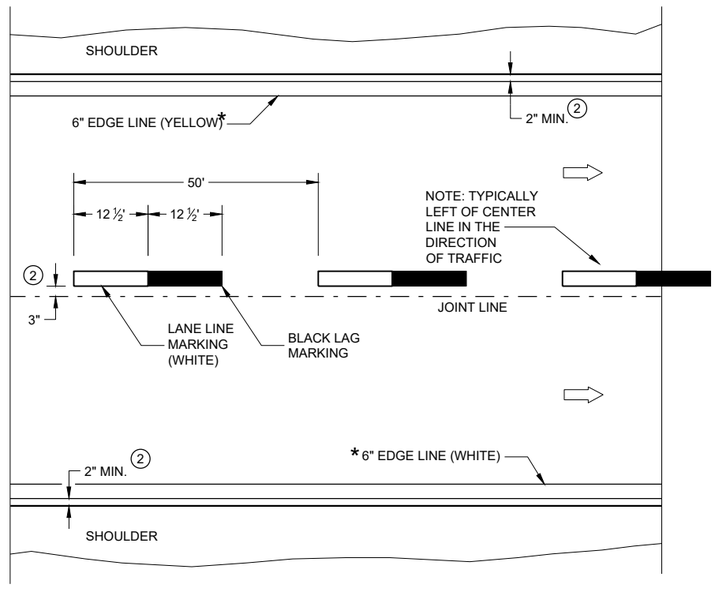
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

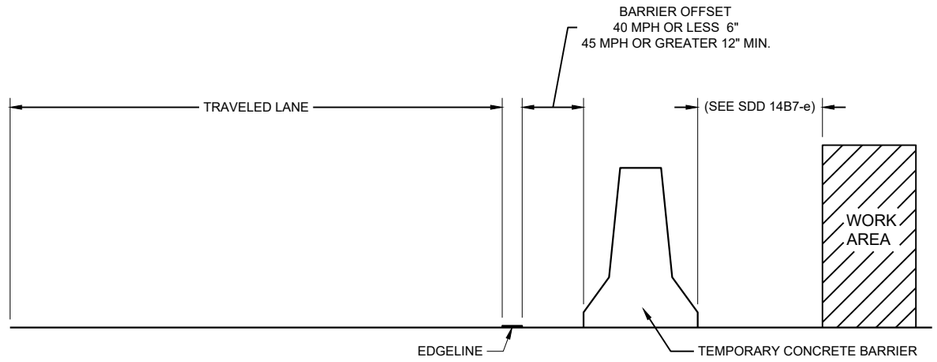
PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER
FHWA

6

SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

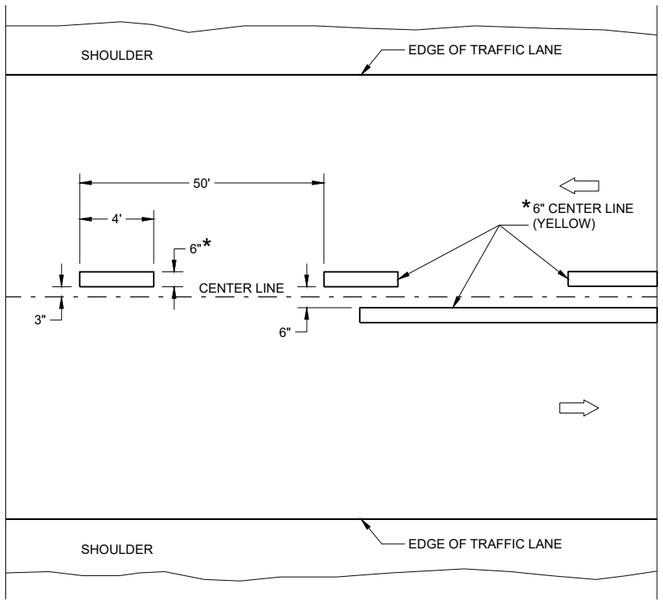
GENERAL NOTES

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

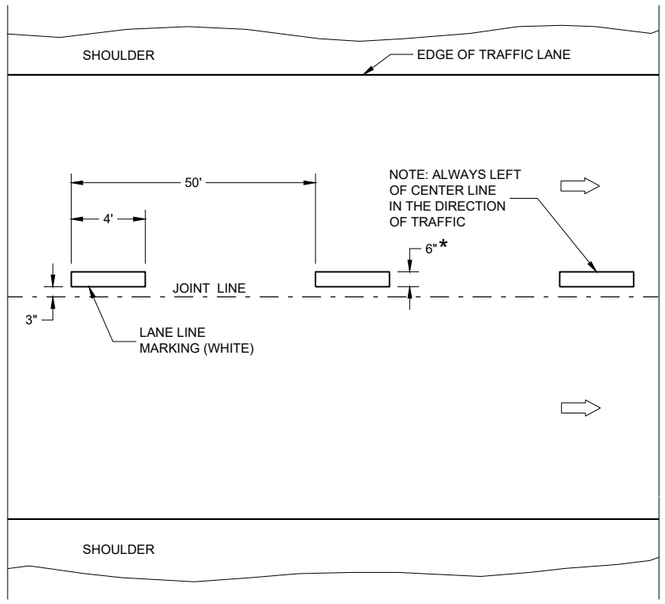
LEGEND

⇨ DIRECTION OF TRAFFIC

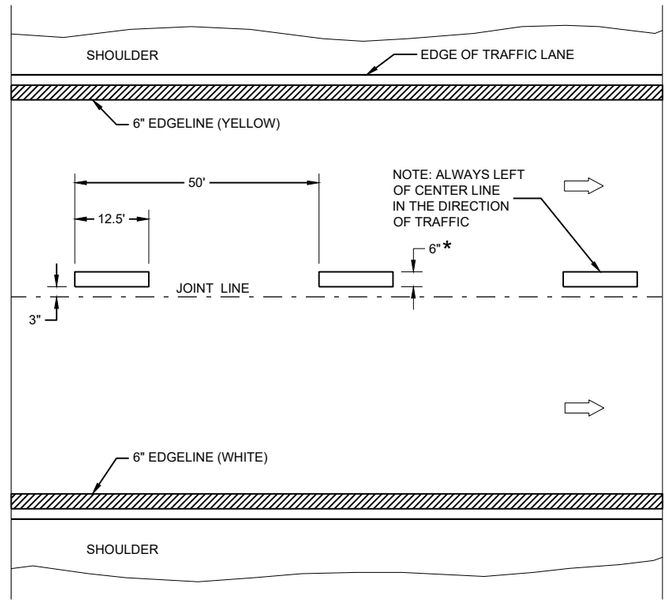
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

6

SDD 15C08-23b

6

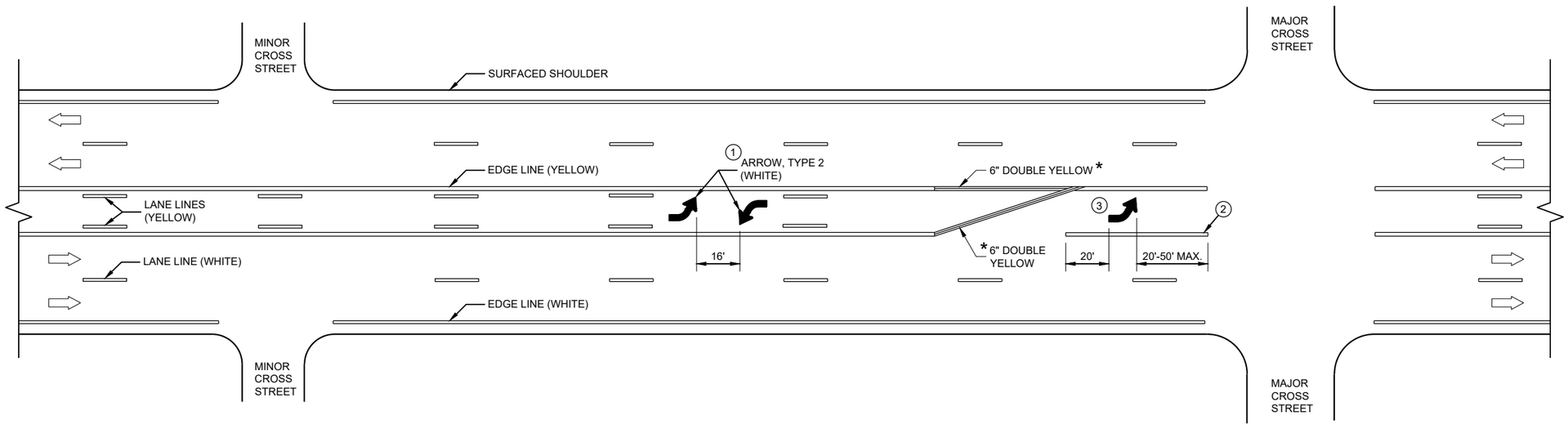
SDD 15C08-23b

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

6

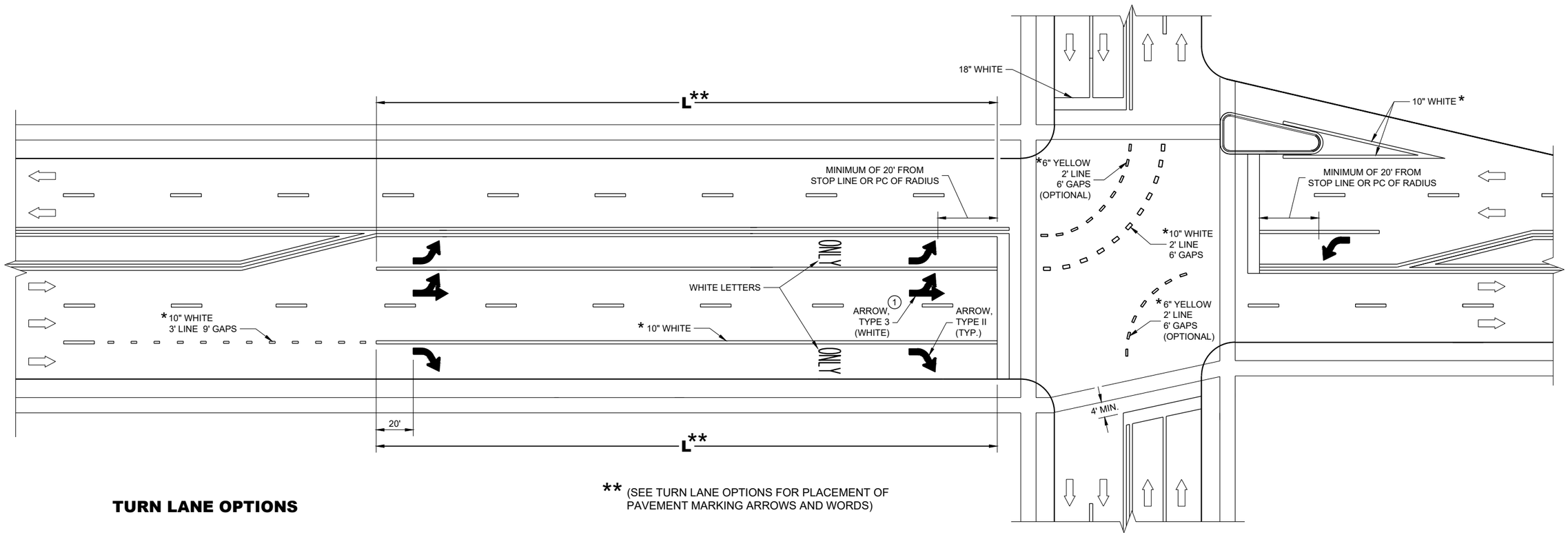
SDD 15C08-23c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 307

6

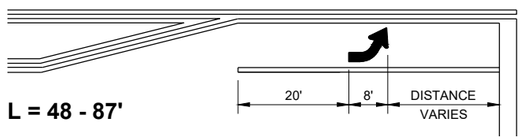
SDD 15C08-23c



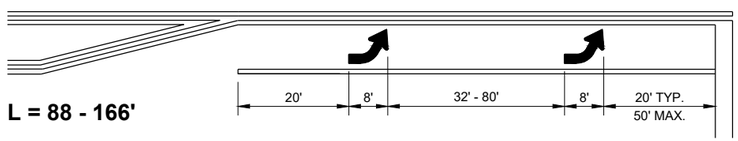
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

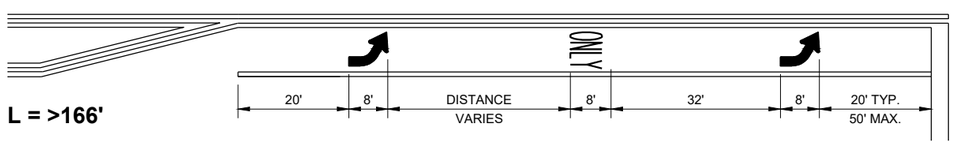
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

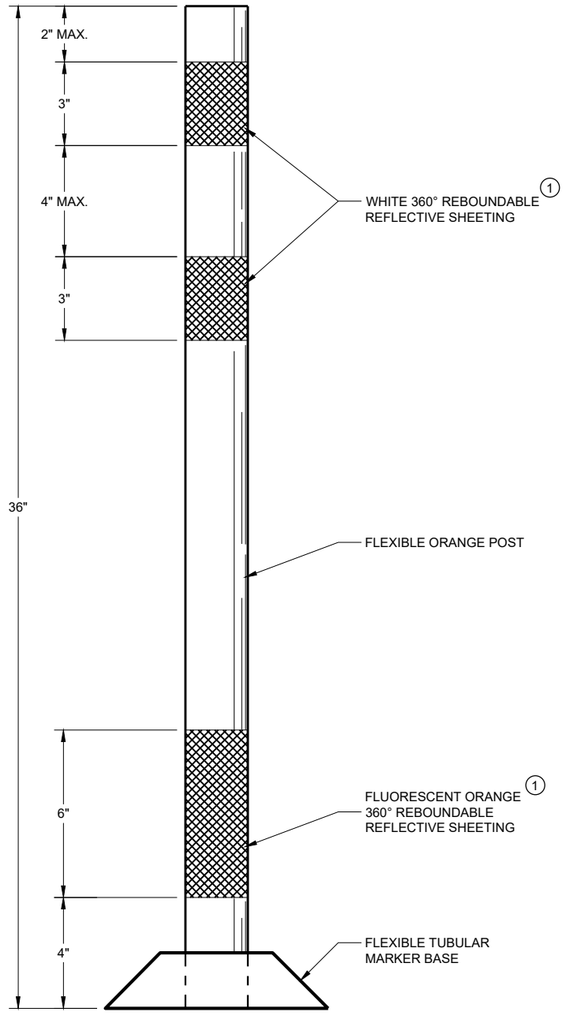
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08-23d

SDD 15C08-23d



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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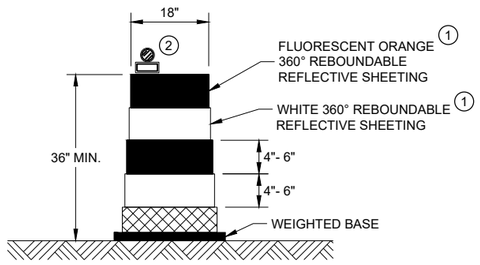
SDD 15C11 - 10a

SDD 15C11 - 10a

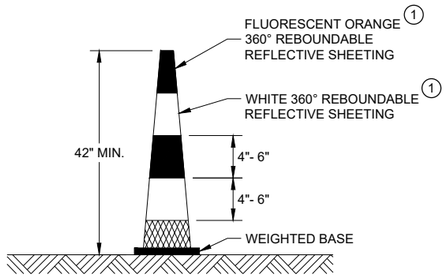
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

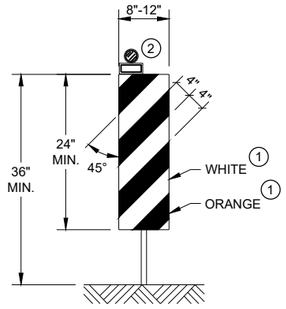
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

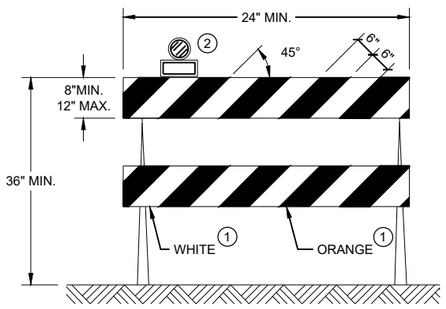
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



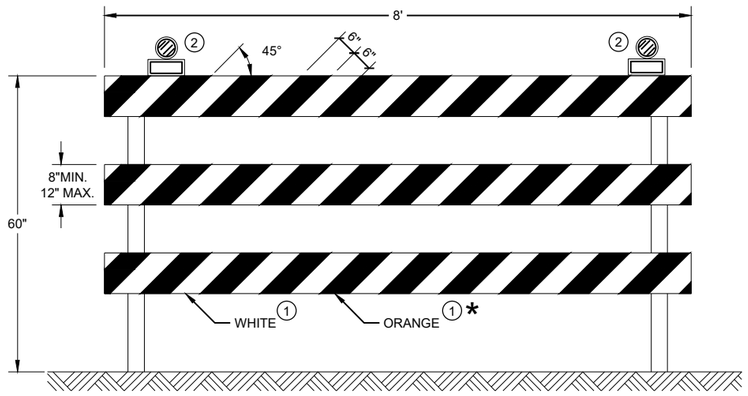
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C11 - 10b

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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.

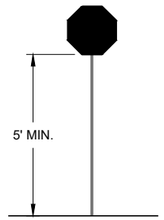
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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.



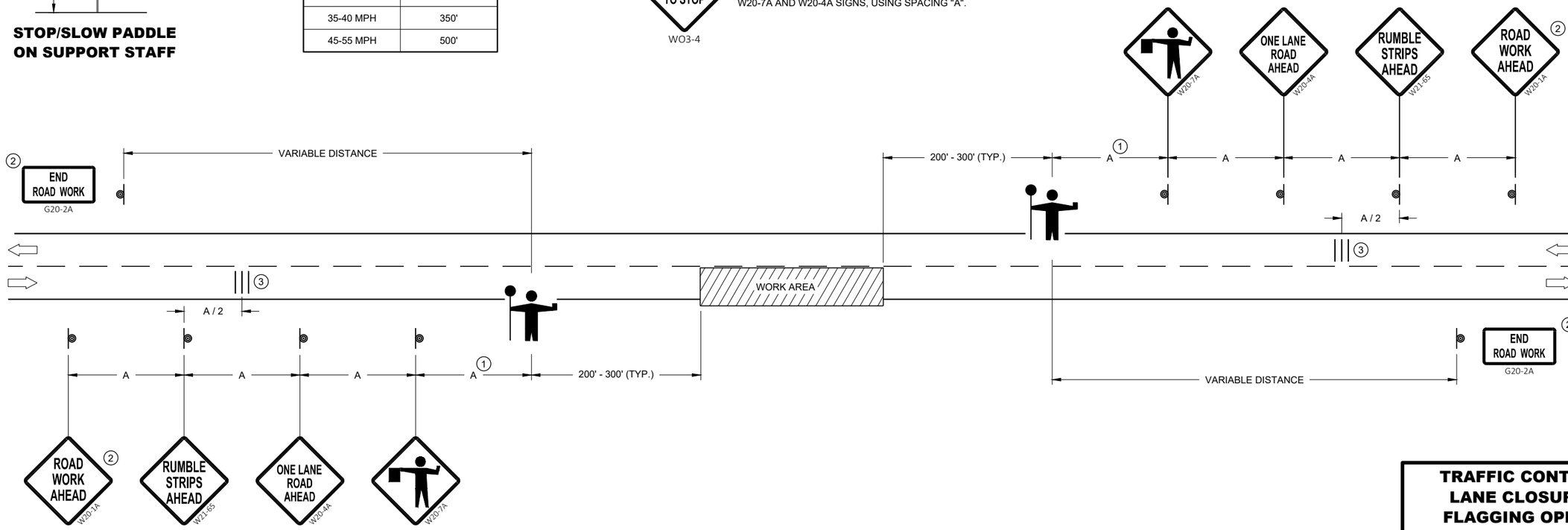
STOP/SLOW PADDLE ON SUPPORT STAFF

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

FHWA

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SDD 15C12 - 09a

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SDD 15C12 - 09a

GENERAL NOTES

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL CONE 42-INCH

TRAFFIC CONTROL DRUM

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

(1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

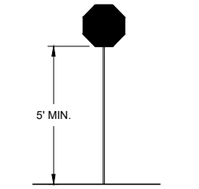
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

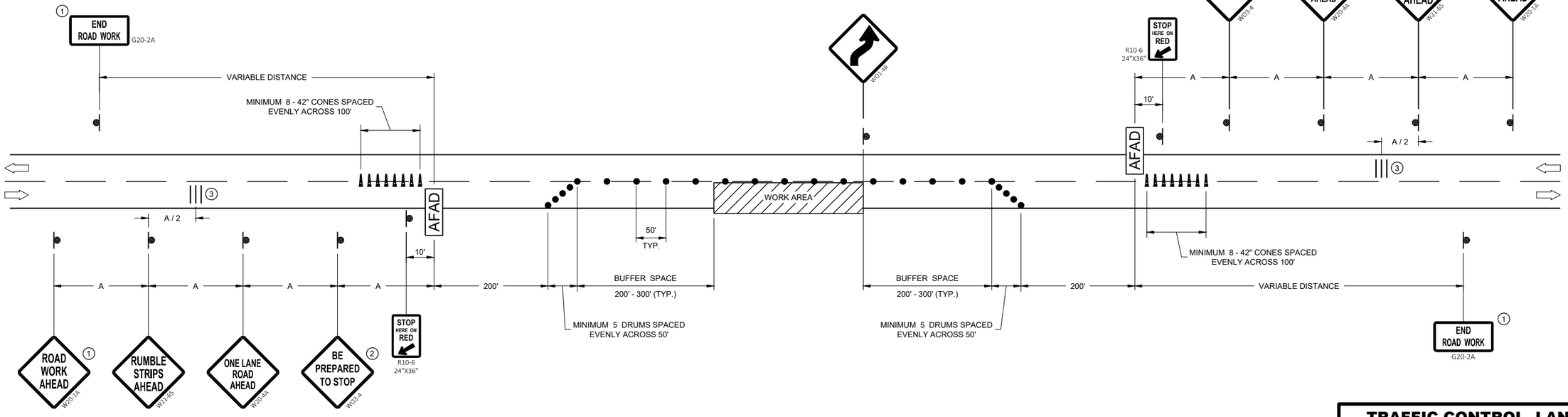
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

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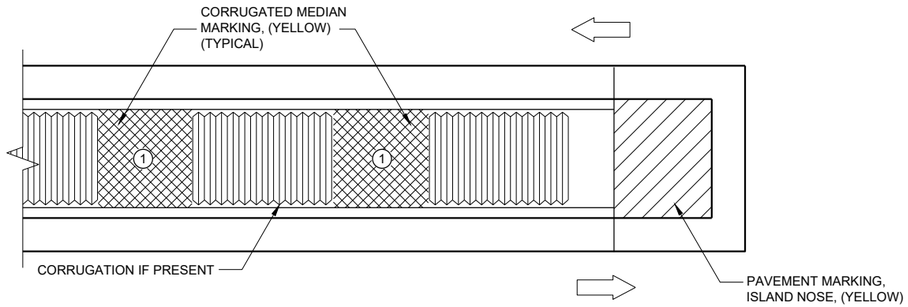
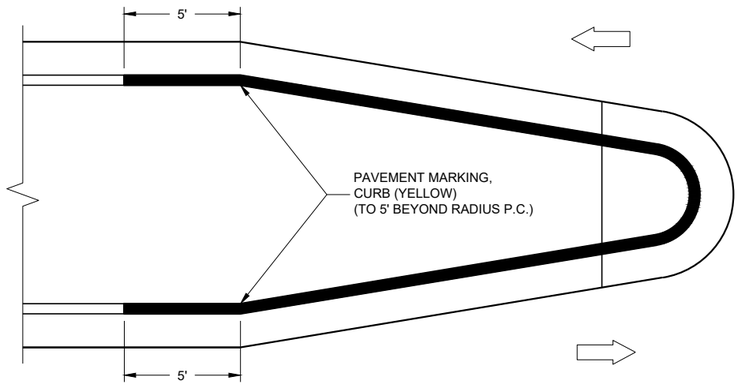
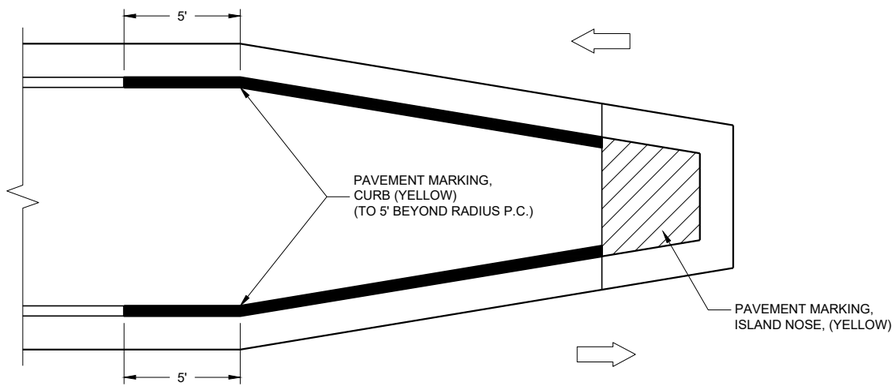
SDD 15C12 - 09b



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
/S/ Jeannie Silver
STATE SIGNING AND MAR ENGINEER

FHWA

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SDD 15C18-08b

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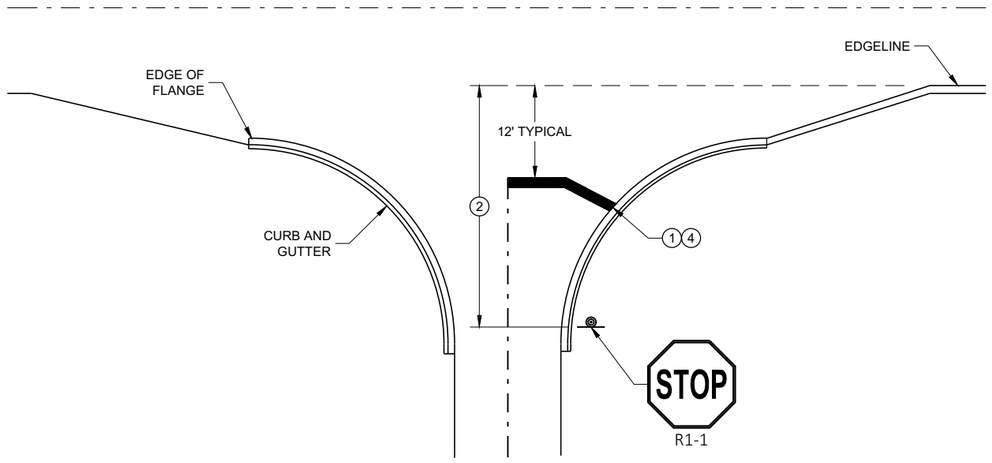
SDD 15C18-08b

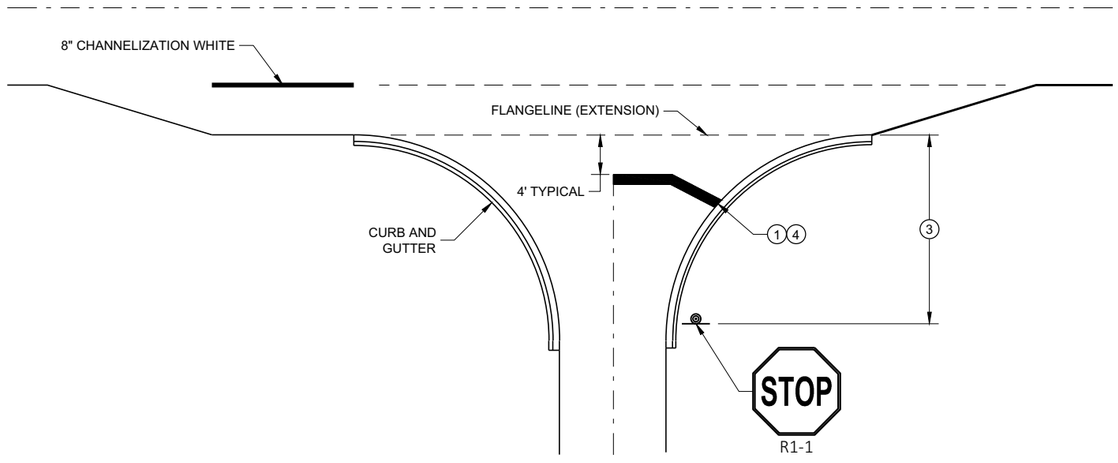
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

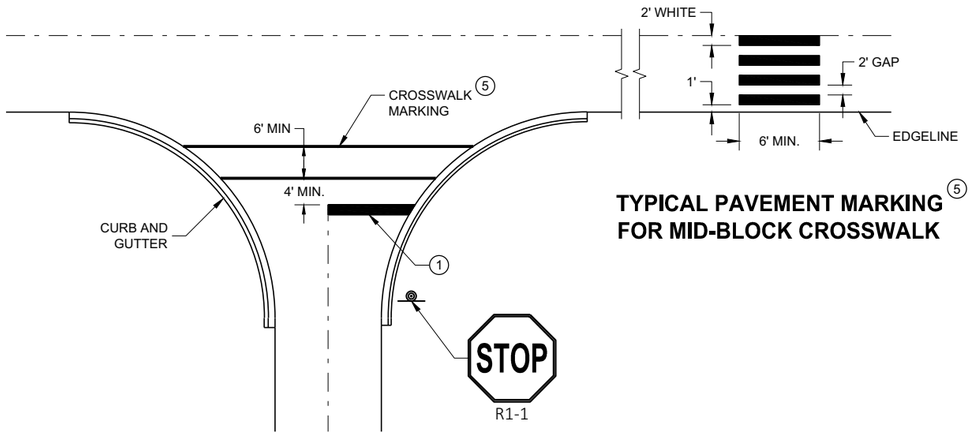
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

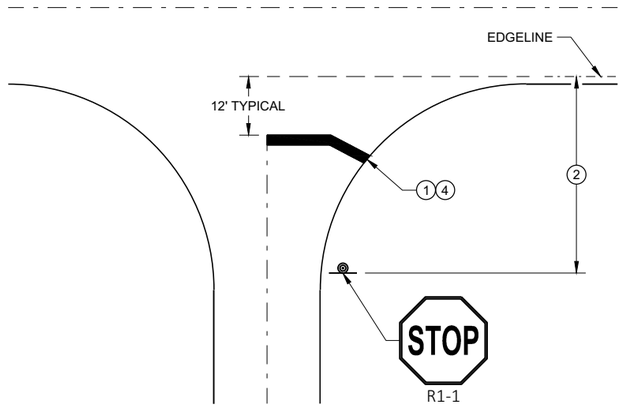


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

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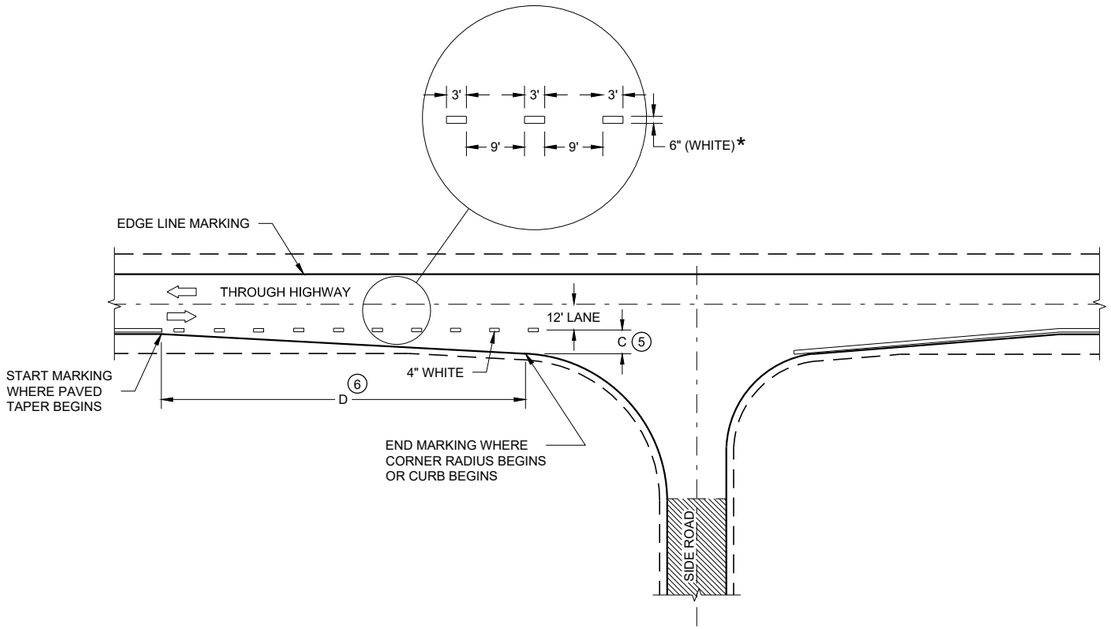
SDD 15C33 - 04



MINOR INTERSECTION

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

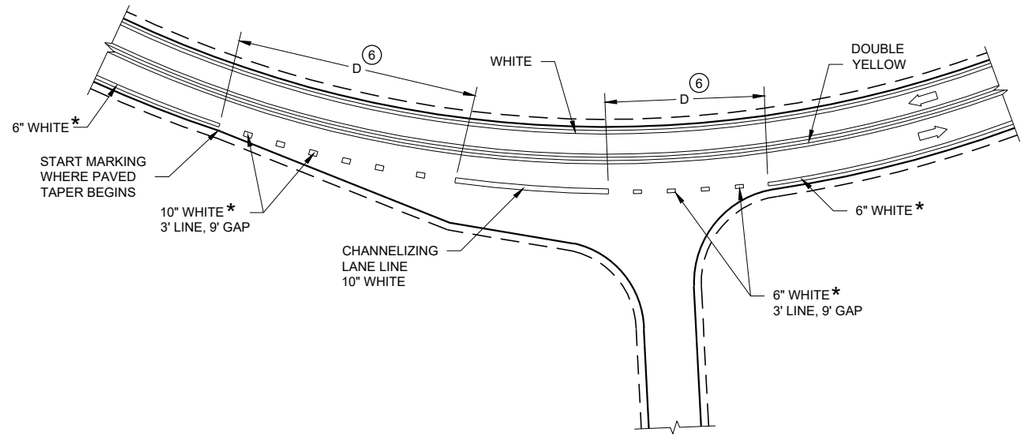
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

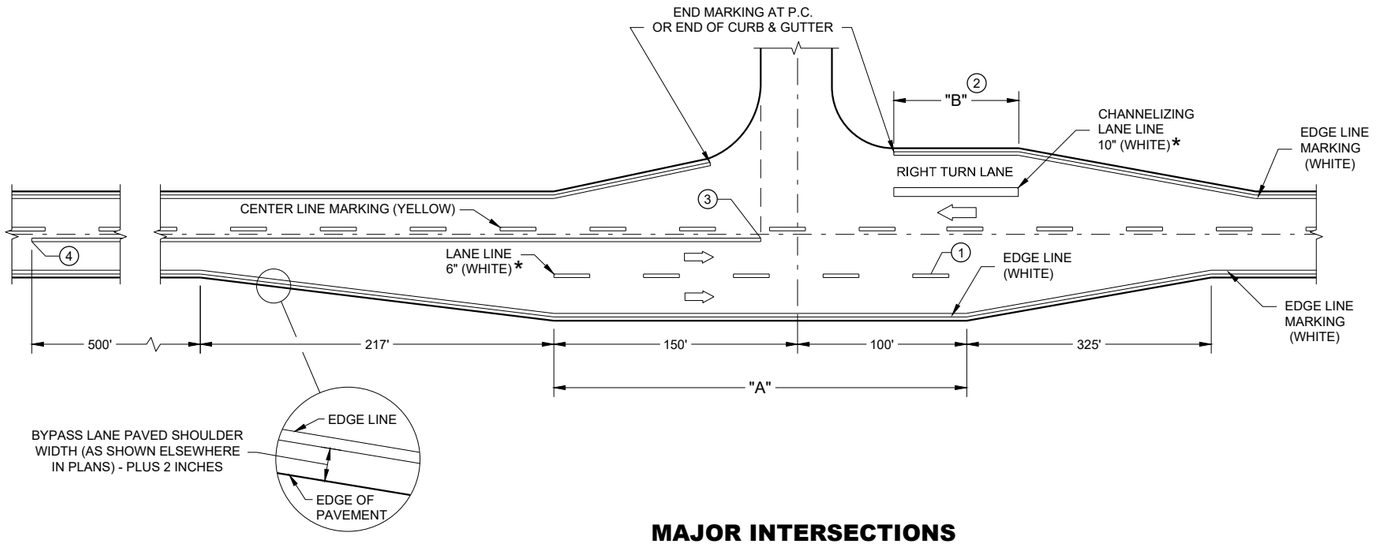
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



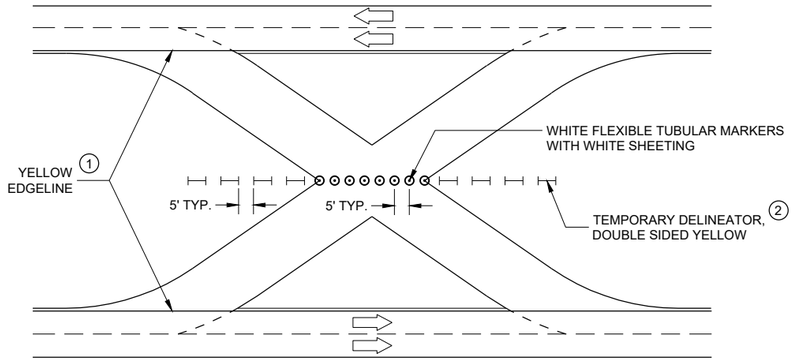
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- TEMPORARY DELINEATOR (DOUBLE SIDED)
- TYPE "A" WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS
- WORK AREA



TRAFFIC CONTROL FOR CROSSOVER THAT IS NOT IN USE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

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

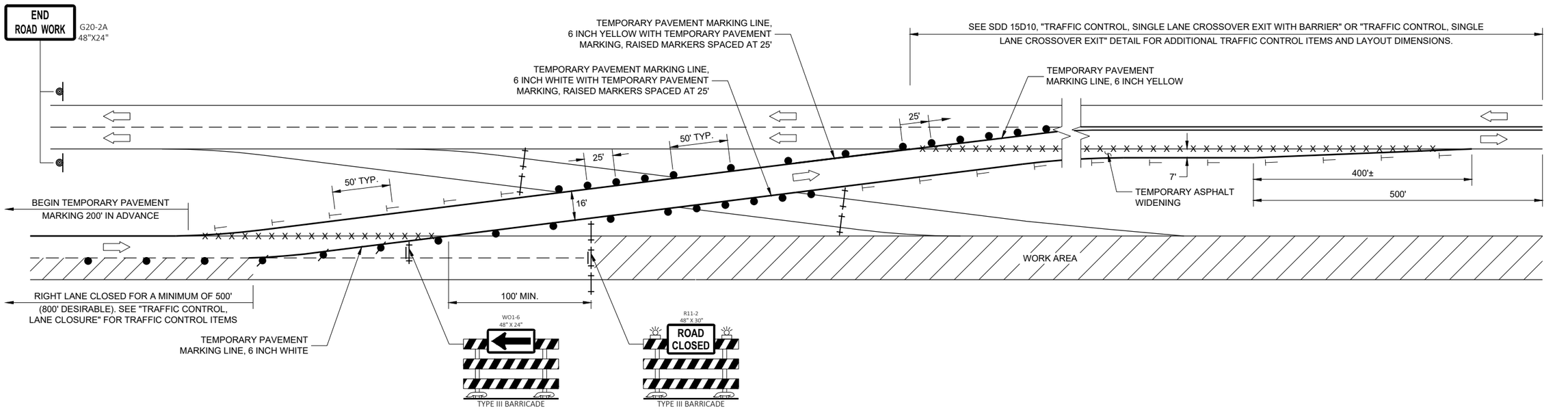
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

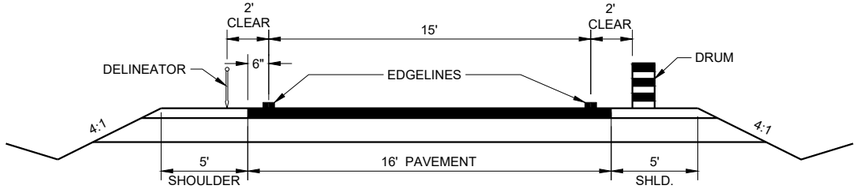
THE SPACING BETWEEN PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

REVERSE DEVICES WHEN OTHER LEG OF CROSSOVER IS IN USE.

(1) FOR PERMANENT CROSSOVER, PAVEMENT MARKING SHOULD CONFORM TO SECTION 646 OF THE STANDARD SPECIFICATIONS.

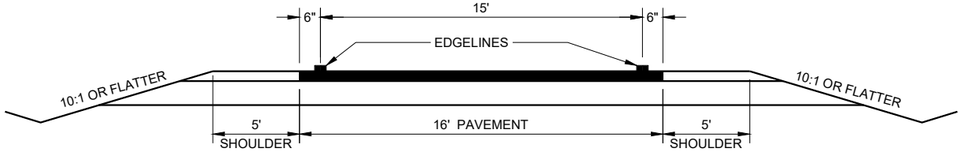
(2) FOR PERMANENT CROSSOVER, INSTALL PERMANENT DELINEATORS ACCORDING TO SECTION 633 OF THE STANDARD SPECIFICATIONS.





TYPICAL TEMPORARY CROSSOVER ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)



TYPICAL CROSSOVER TO REMAIN IN PLACE ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)

TRAFFIC CONTROL, SINGLE LANE CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15D11-09

GENERAL NOTES

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

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

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

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

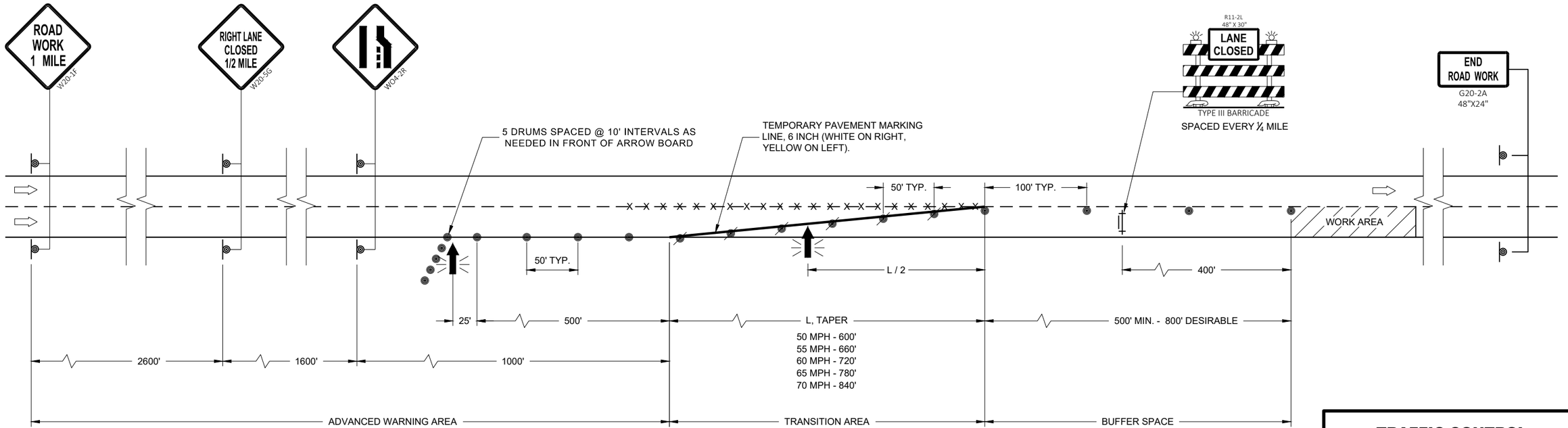
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D12 - 11a

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SDD 15D12 - 11a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

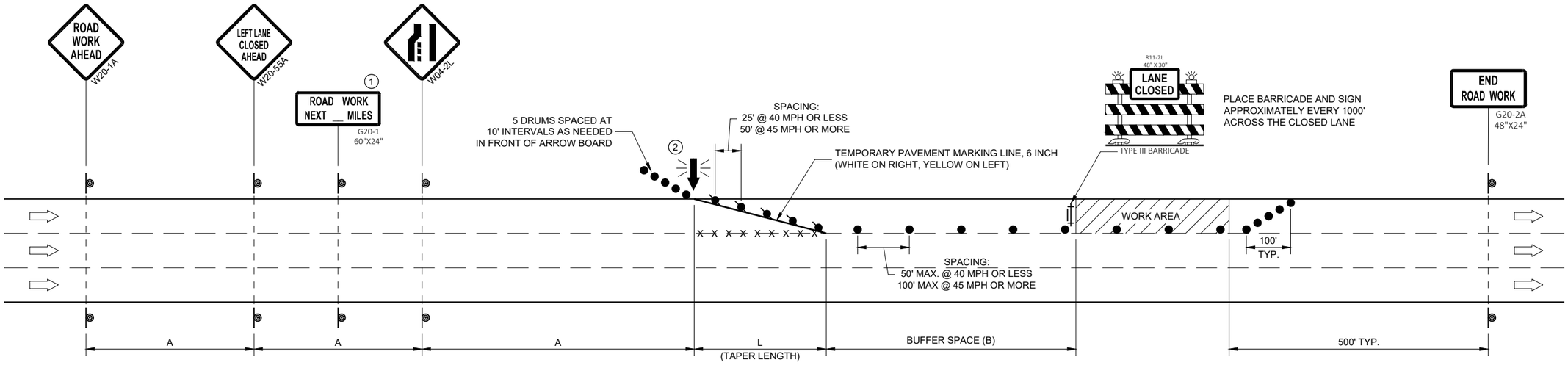
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D20-07a

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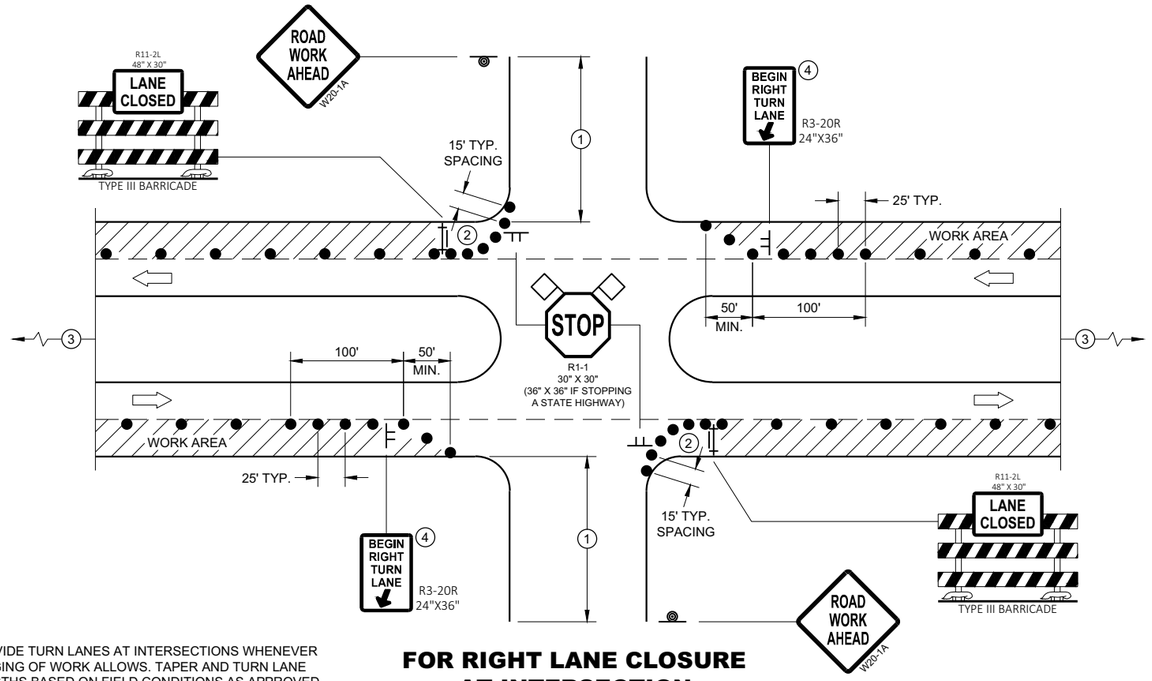
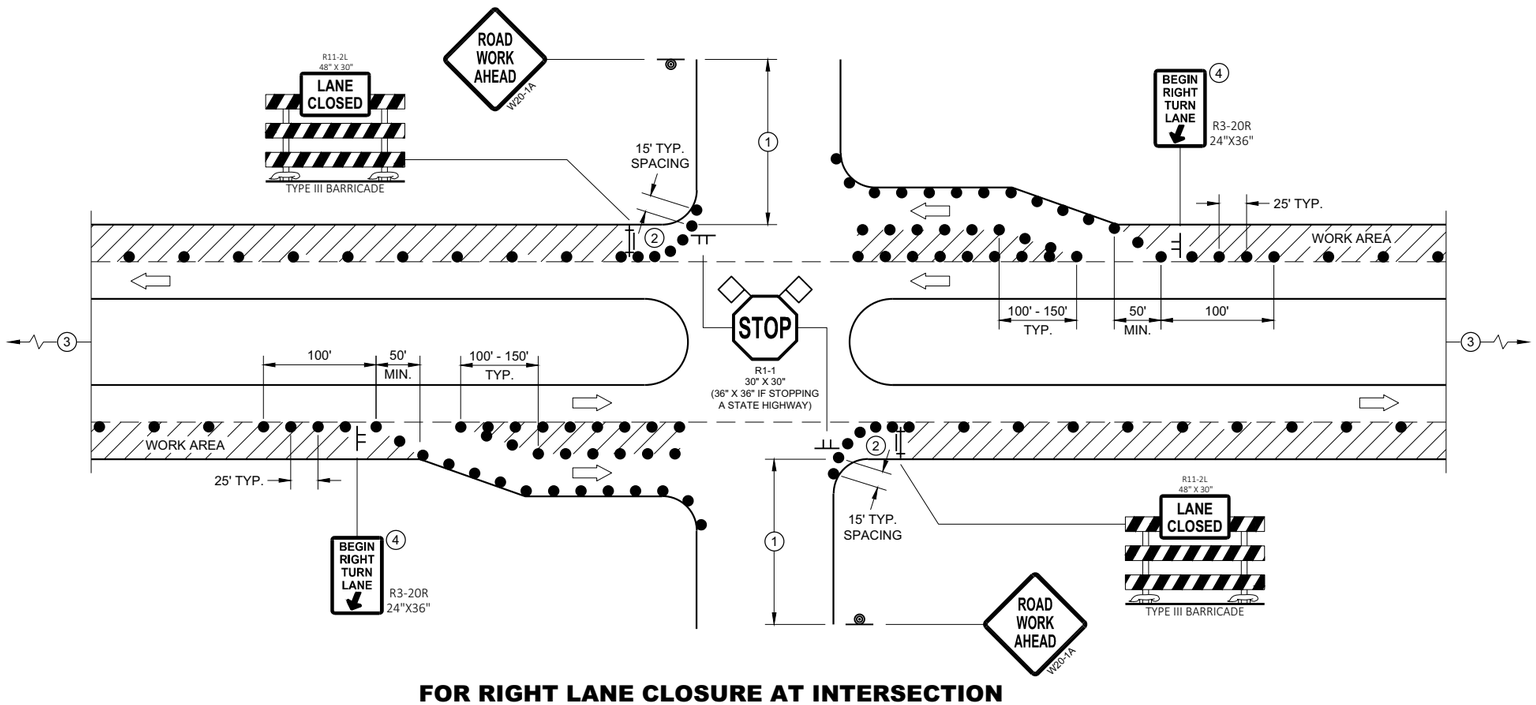
SDD 15D20-07a



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

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

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

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

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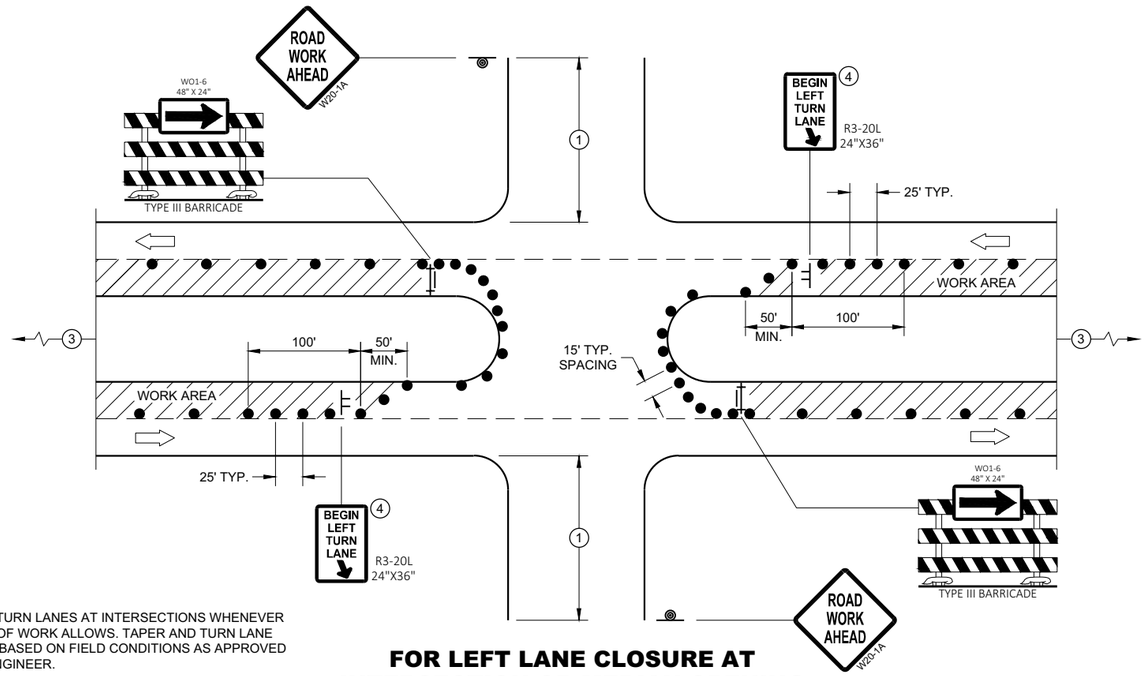
SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

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

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

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

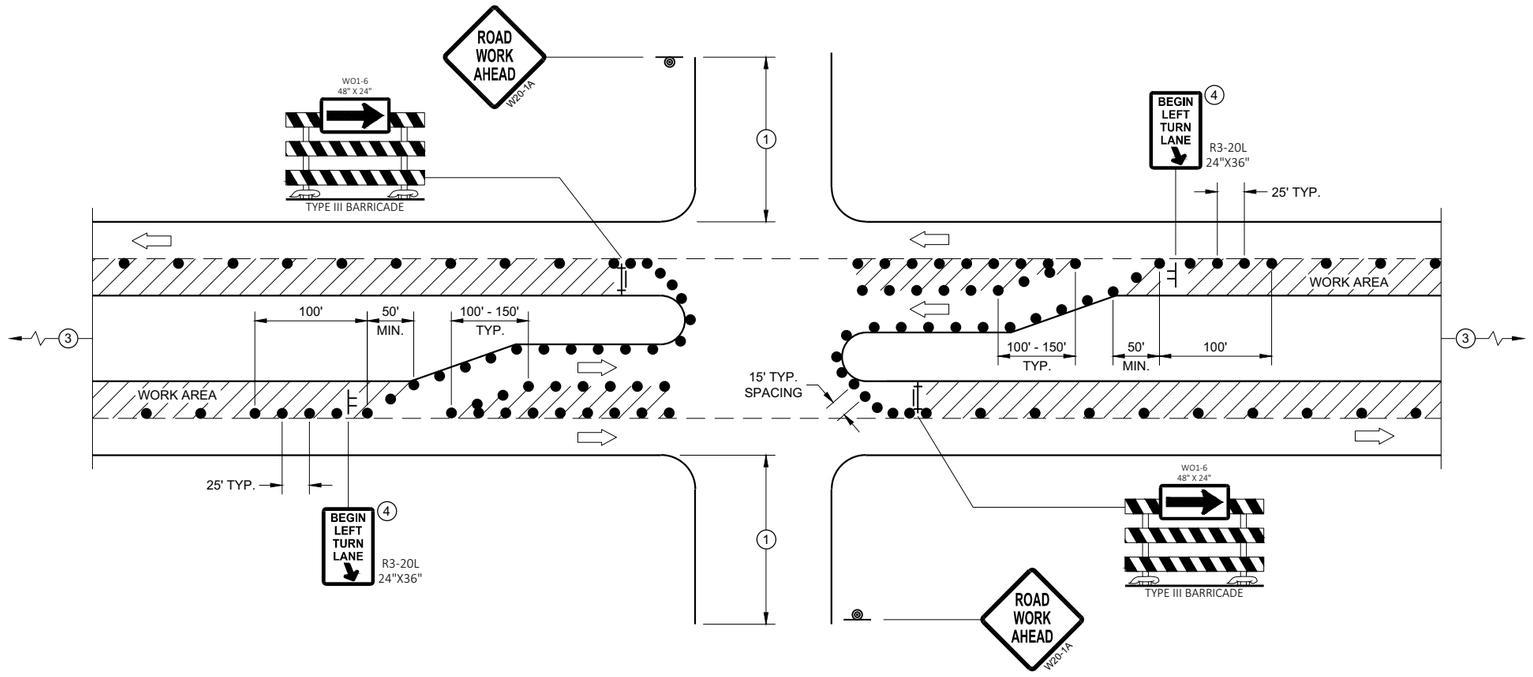
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D21 - 07b

SDD 15D21 - 07b

GENERAL NOTES

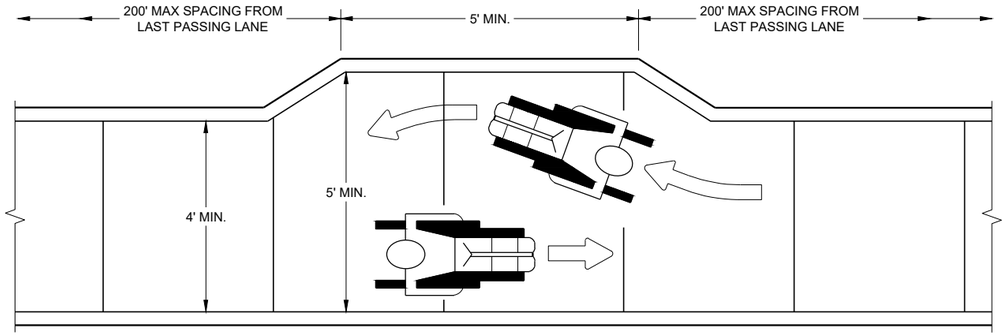
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

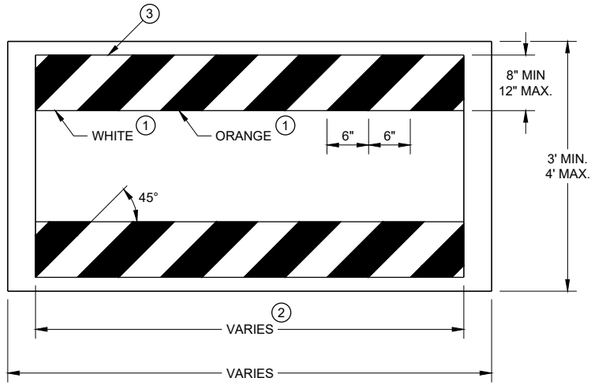
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

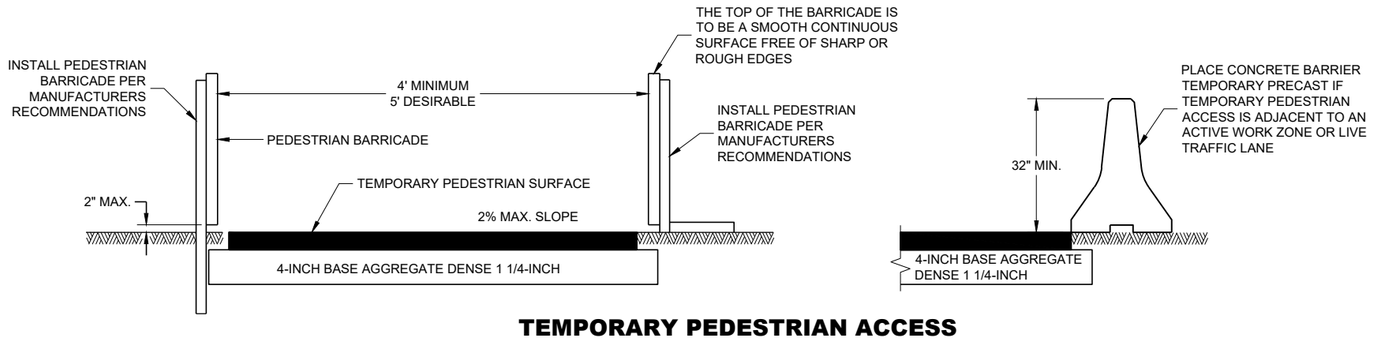
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



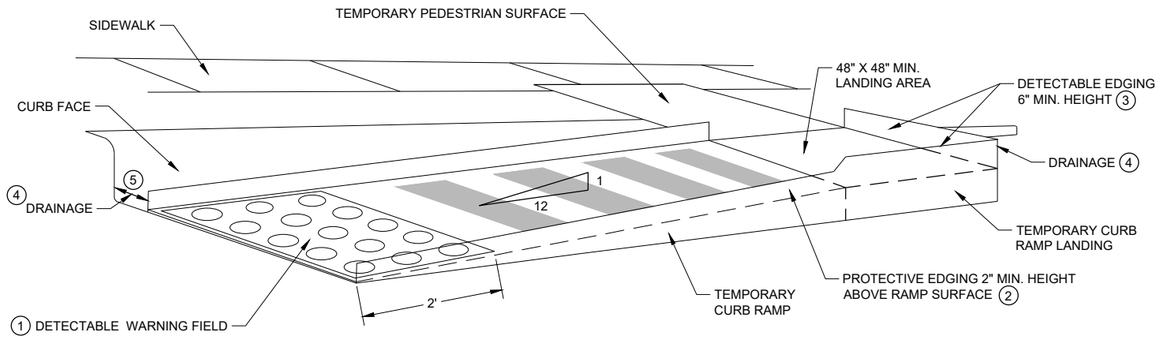
TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6
SDD 15D30 - 09a



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.

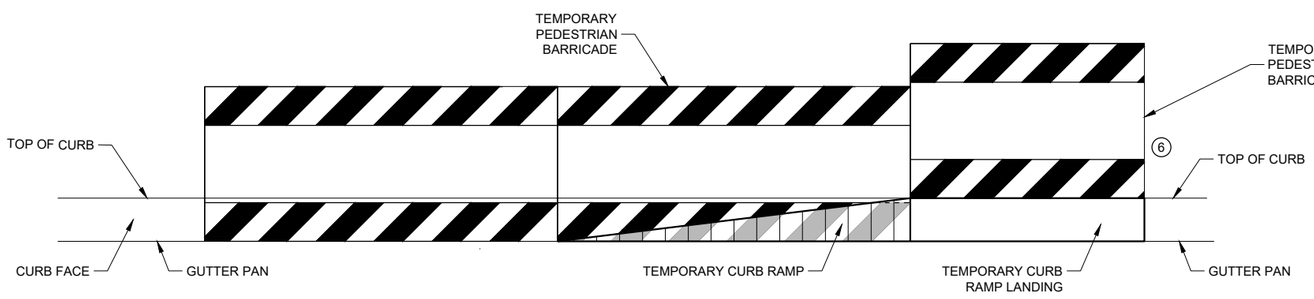
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

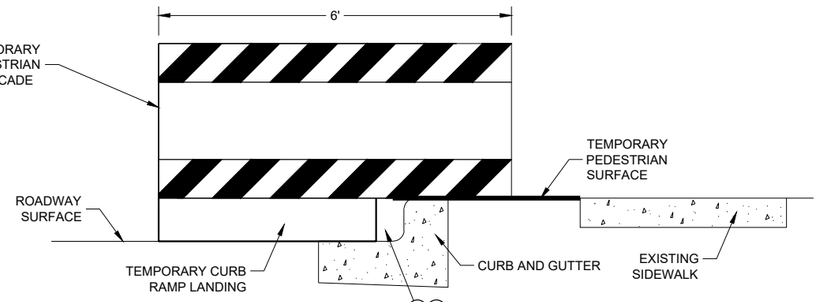
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(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

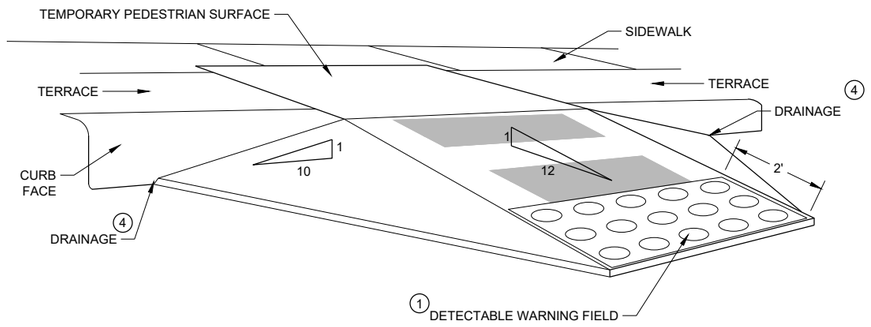
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

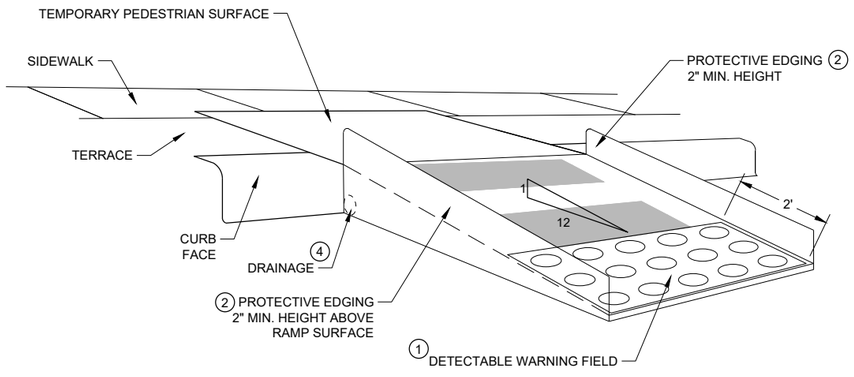
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

6

SDD 15D30 - 09c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

GENERAL NOTES

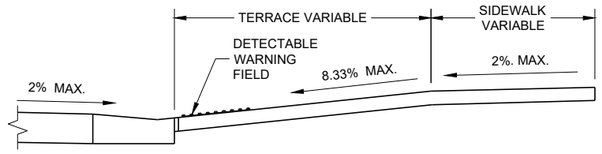
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

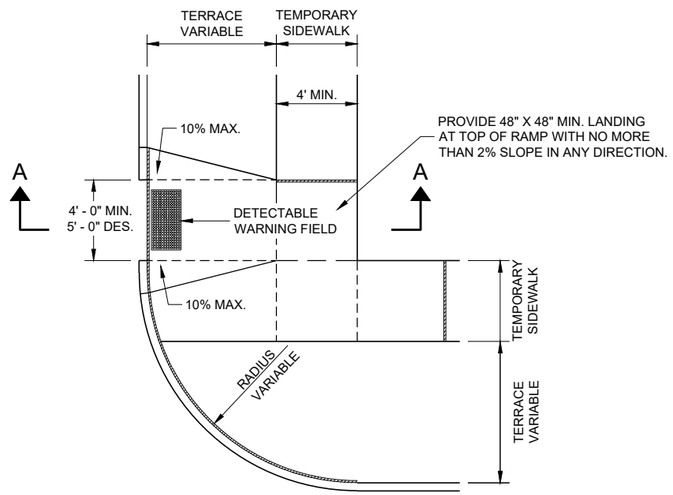
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

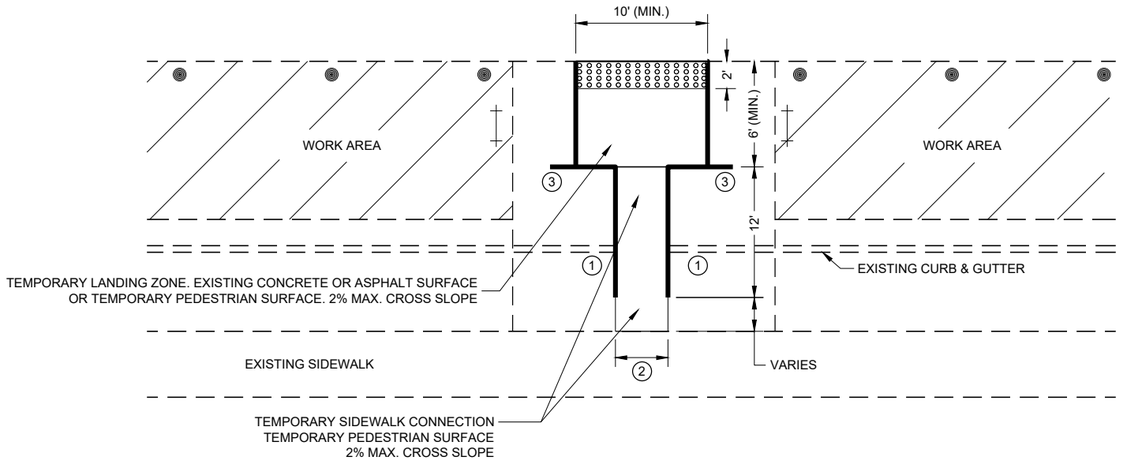
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

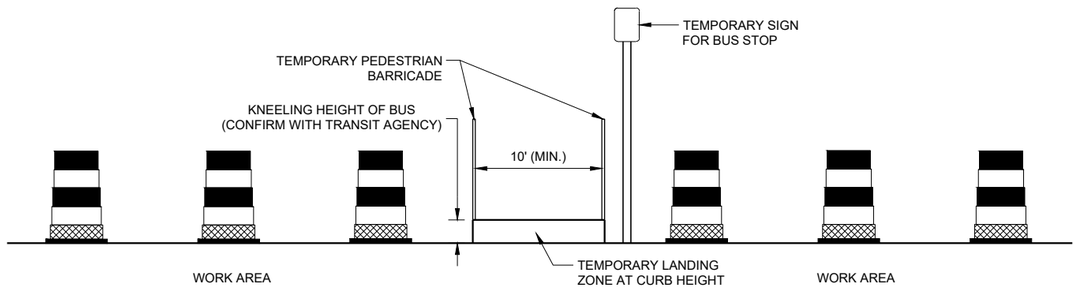
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D30-09d



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

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".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA

6

6

SDD 15D30 - 09e

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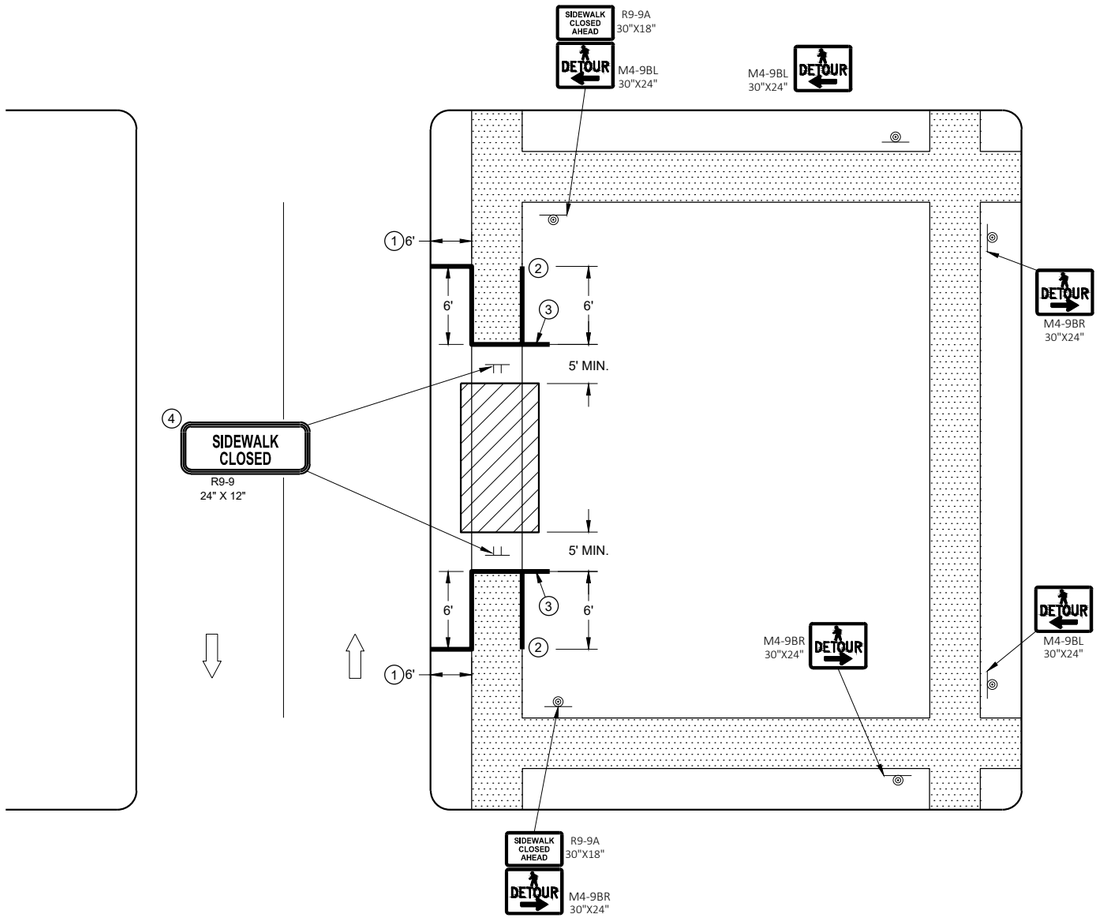
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

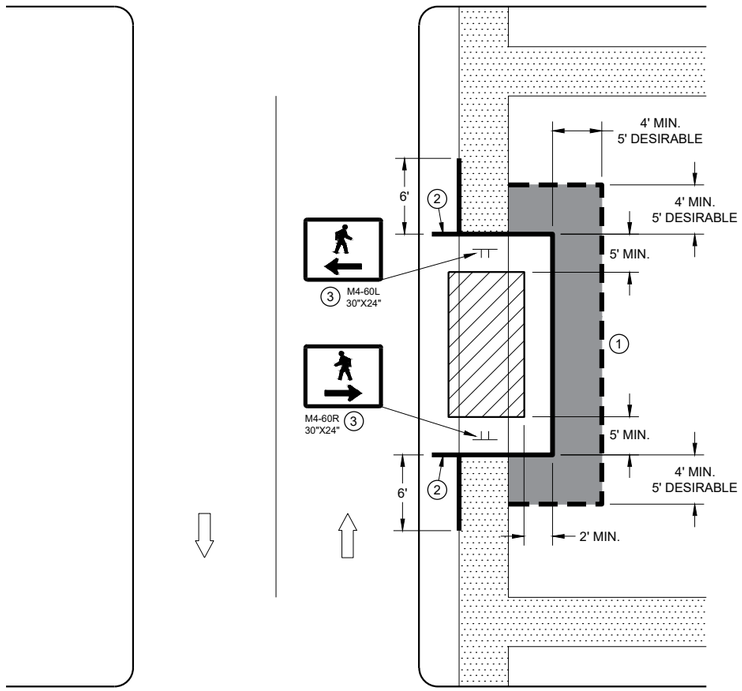
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

1. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
2. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK DIVERSION
SINGLE SIDE

6

SDD 15D30 - 09g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD15D30 - 09g

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

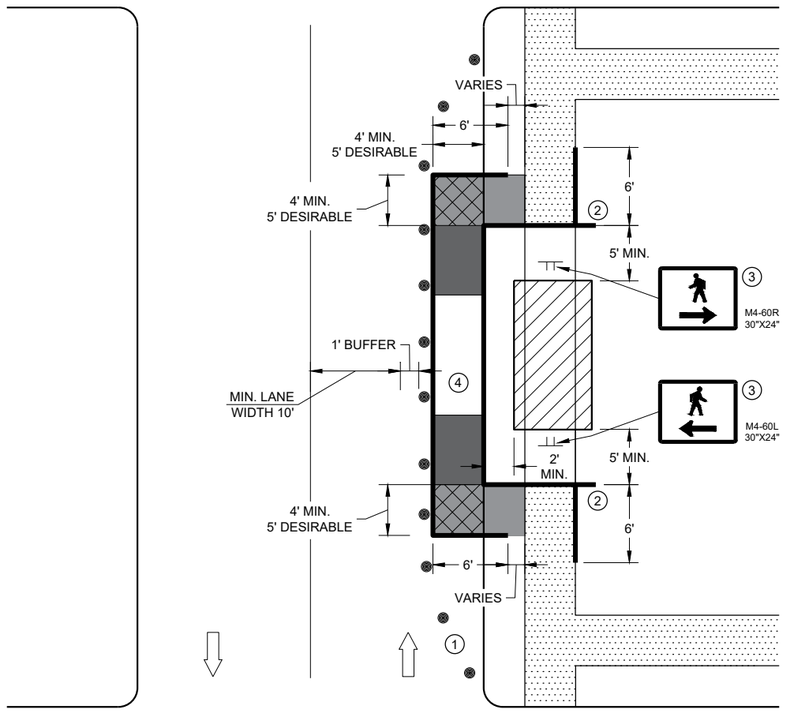
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09h

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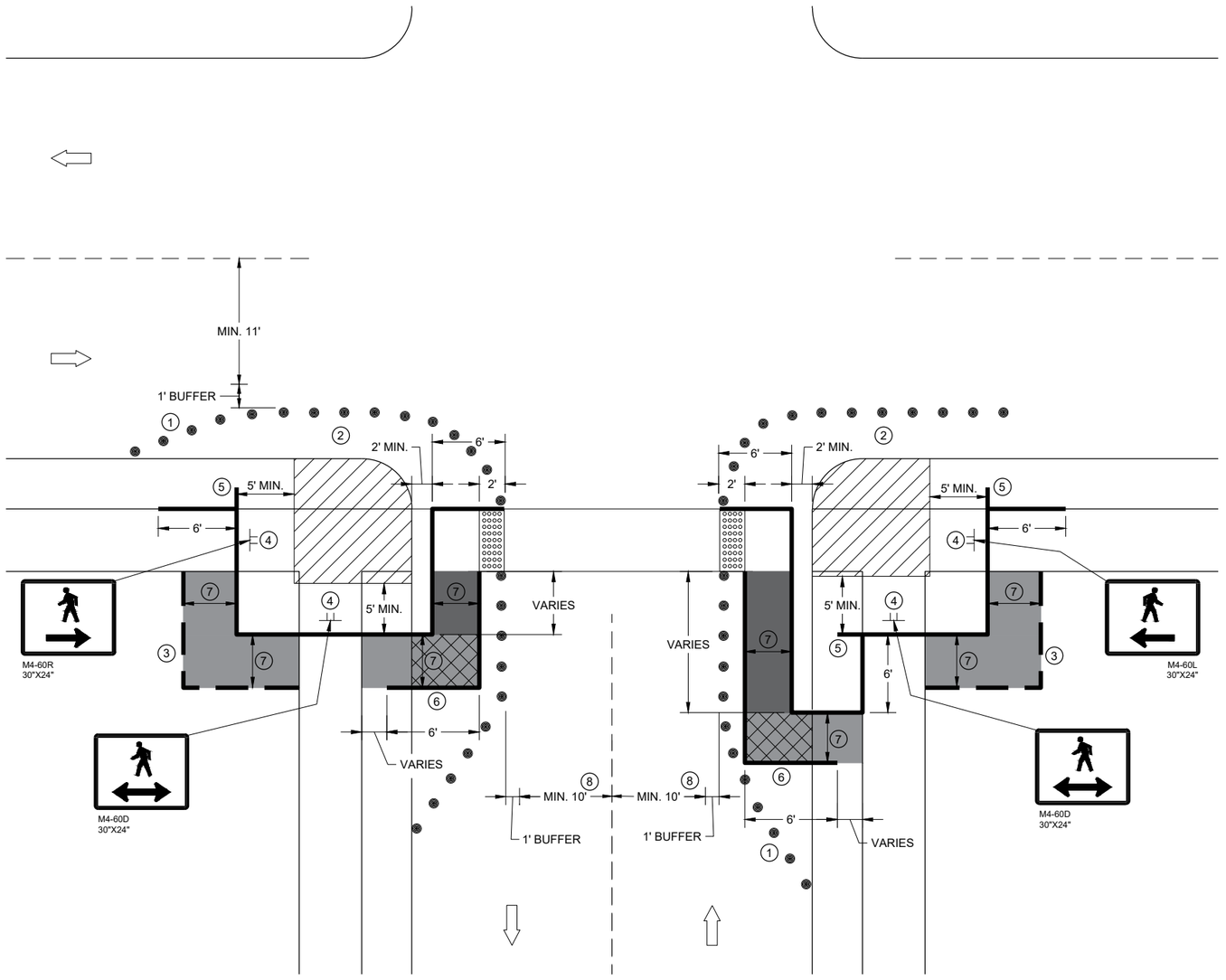
SDD 15D30 - 09h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09i

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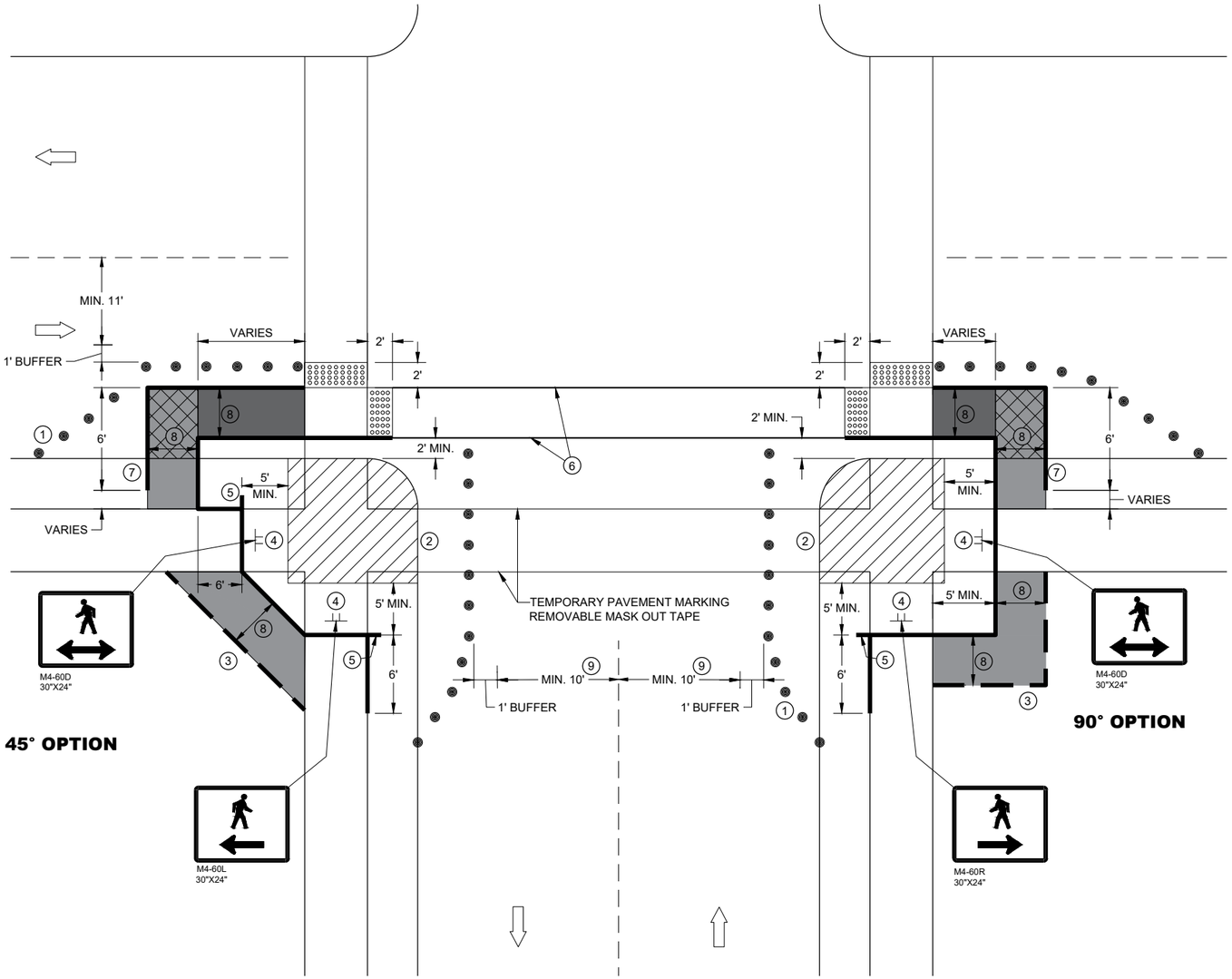


CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. WHITE 6" TEMPORARY PAVEMENT MARKING
7. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
8. 4 FEET MINIMUM, 5 FEET DESIRABLE
9. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

SIGN ON PERMANENT SUPPORT

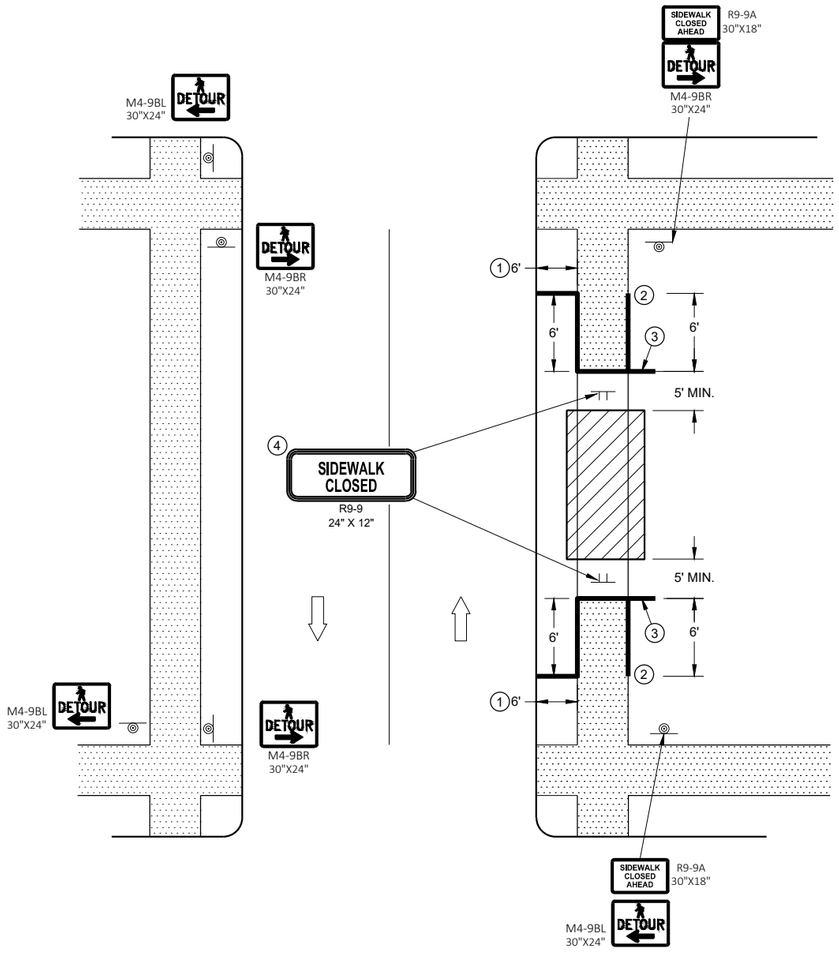
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

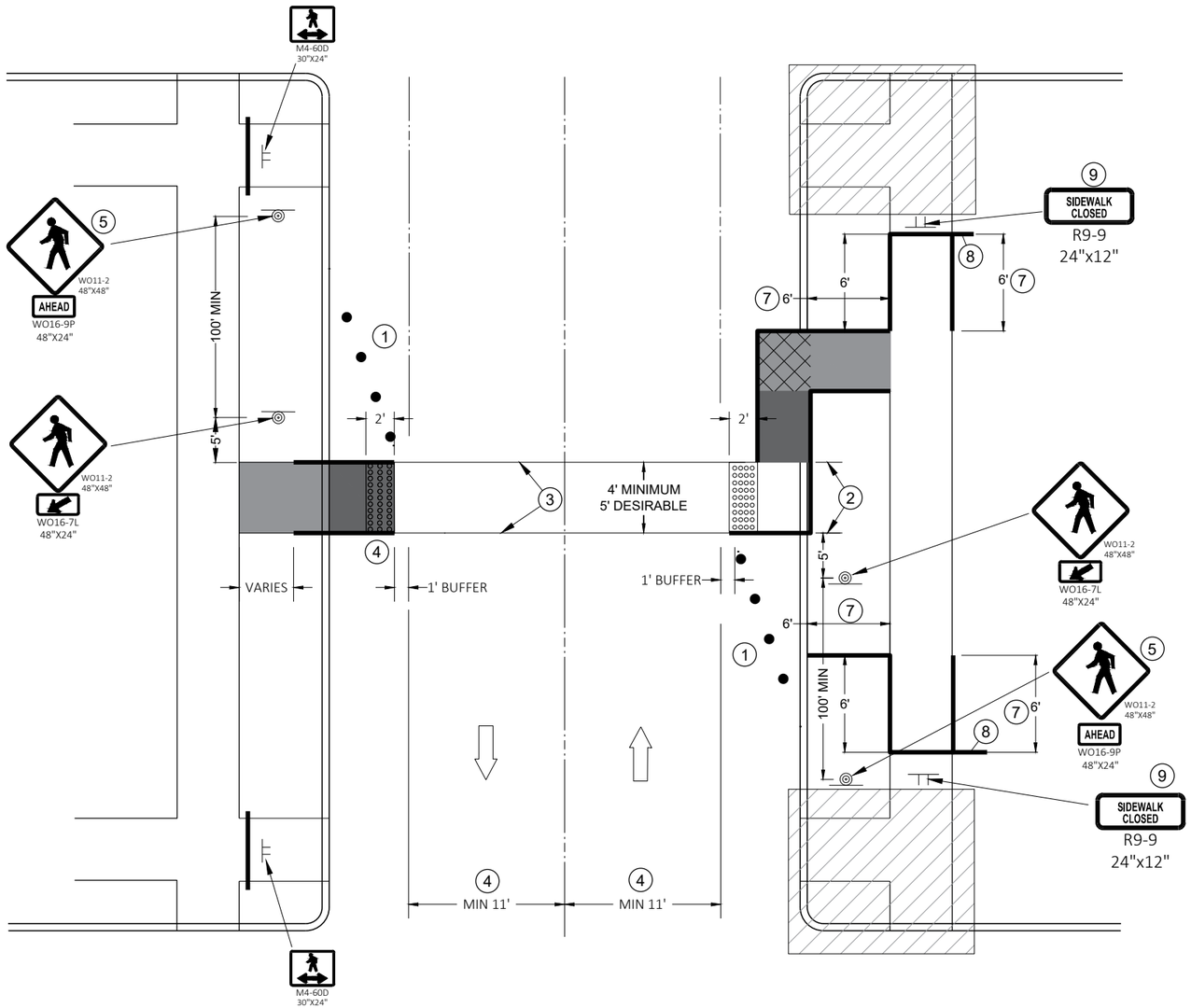
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

6

SDD 15D30 - 09k

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

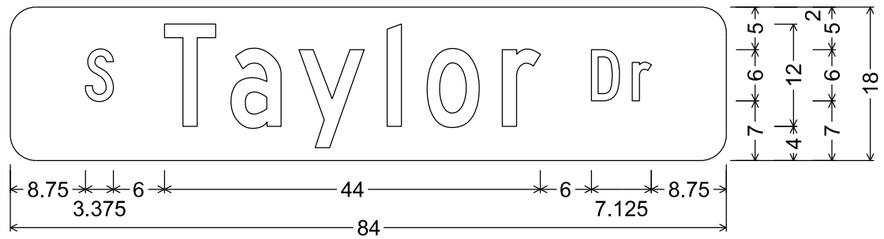
6

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

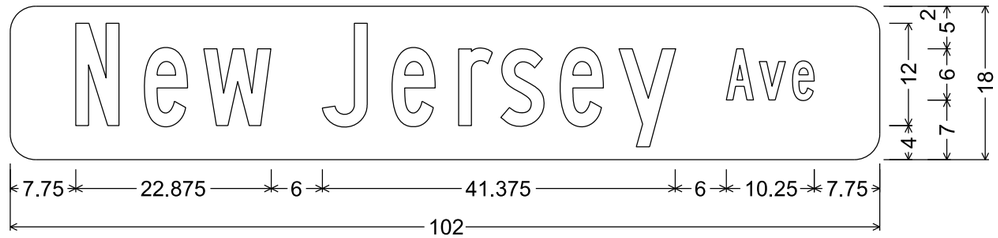
SDD 15D30 - 09L

NOTES

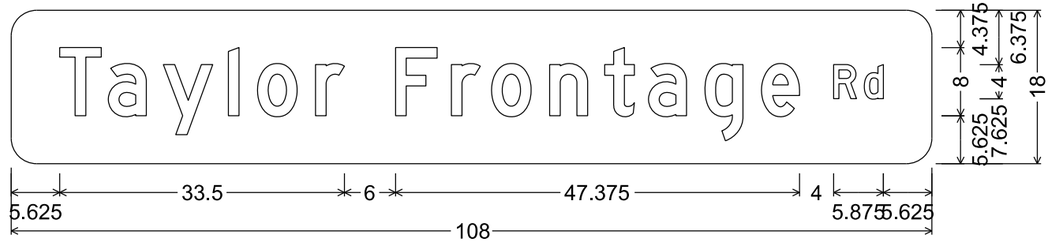
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted



M1-94S; 3.000" Radius, No border,
"S", C; "Taylor", C; "Dr", C



M1-94H; 3.000" Radius, No border,
"New", B; "Jersey", B; "Ave", B



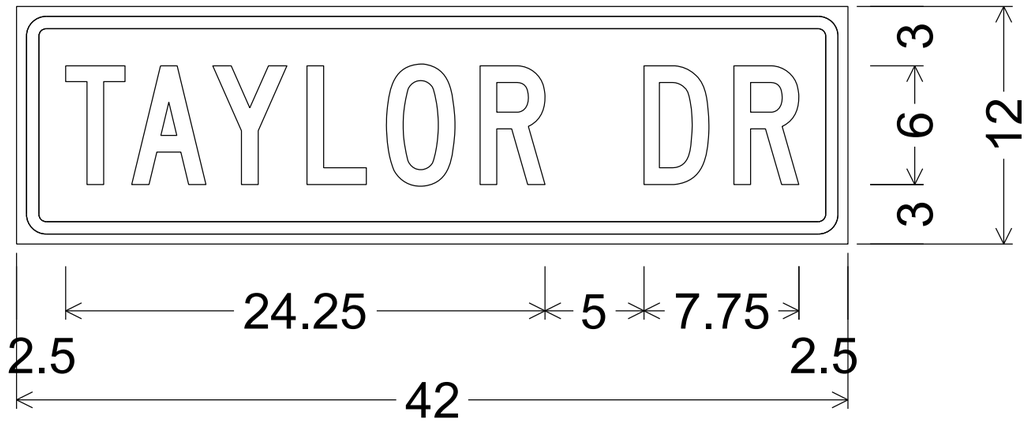
M1-94H; 3.000" Radius, No border,
"Taylor", D; "Frontage", D; "Rd", D

7

7

NOTES

1. Fixed Message Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



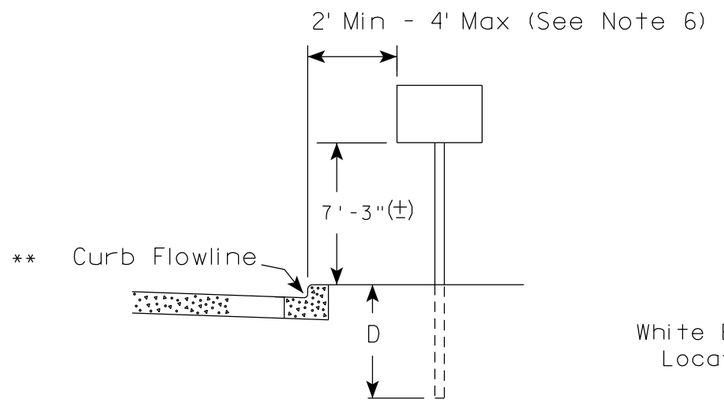
1.500" Radius, 0.625" Border, 0.500" Indent

7

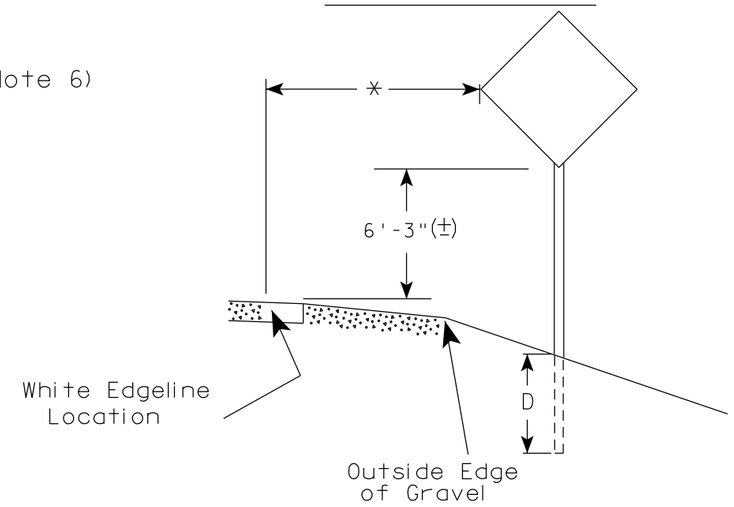
7

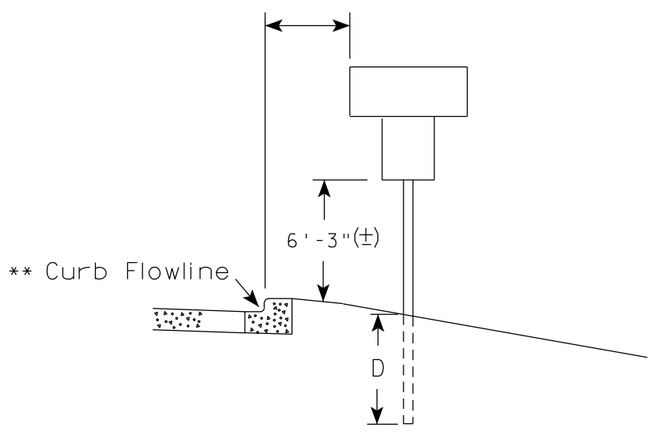
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	TEMPORARY SIGNING	SHEET NO: 334	E

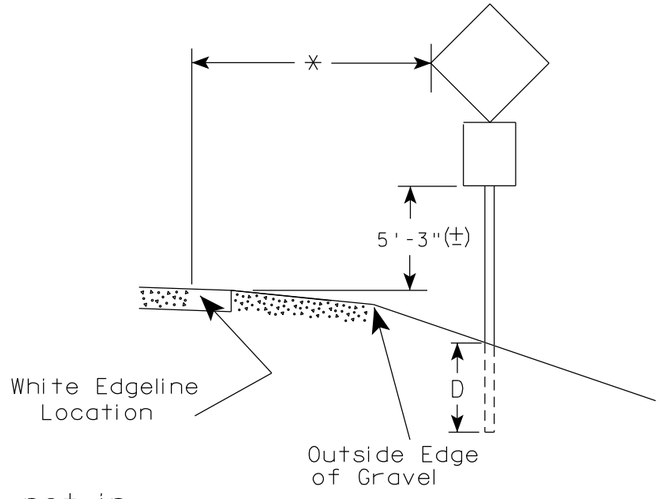
URBAN AREA



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.

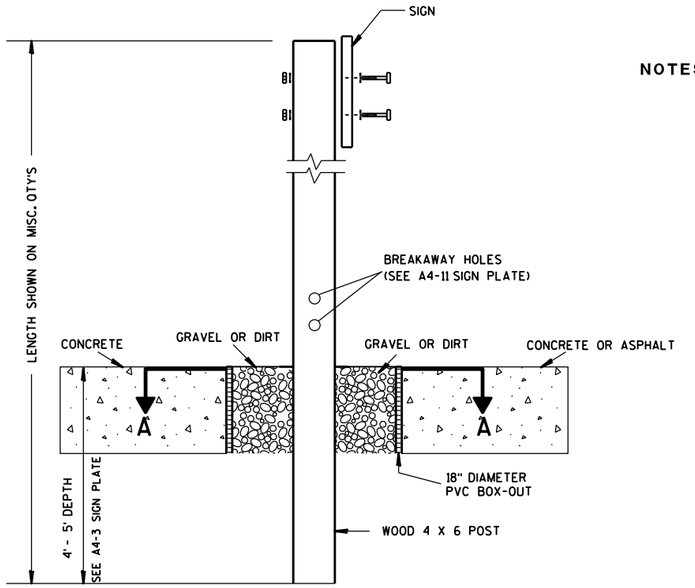
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

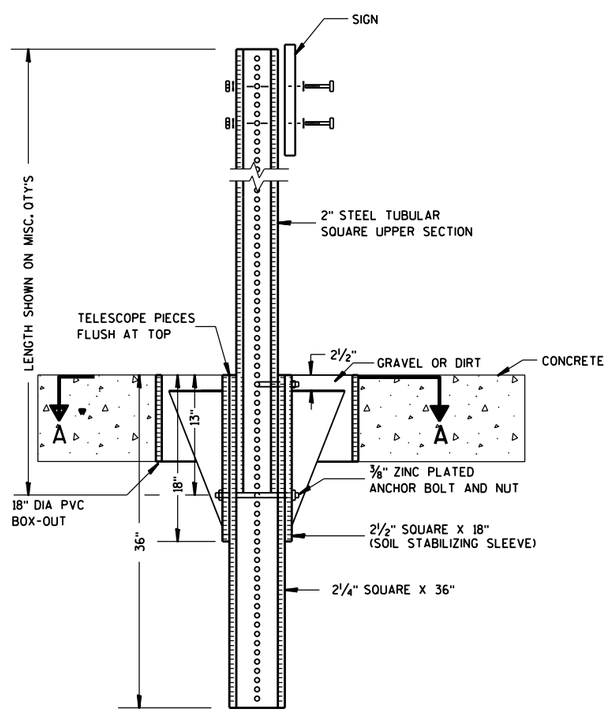
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 335	E



ELEVATION VIEW

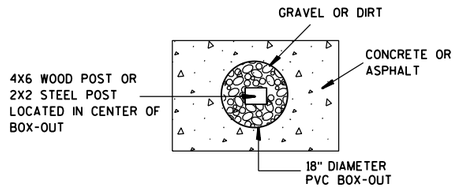
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

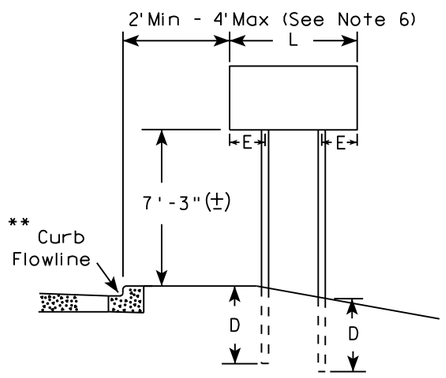
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

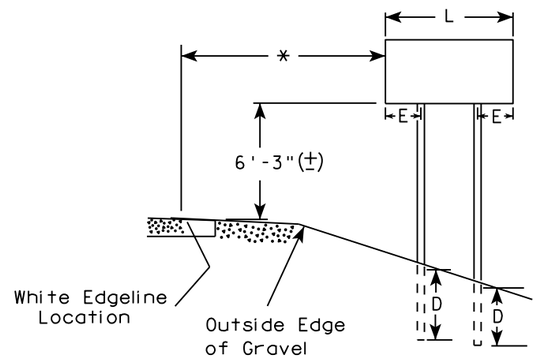
DATE 1/27/14 PLATE NO. A4-3B.1

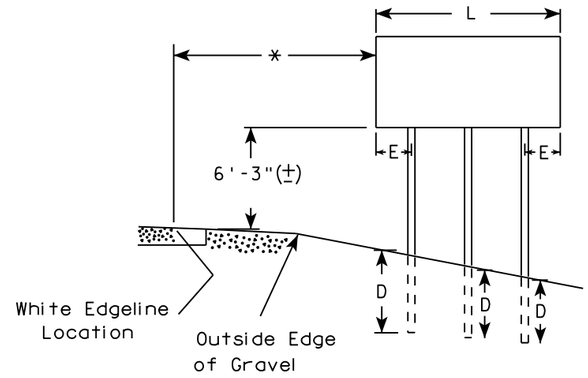
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

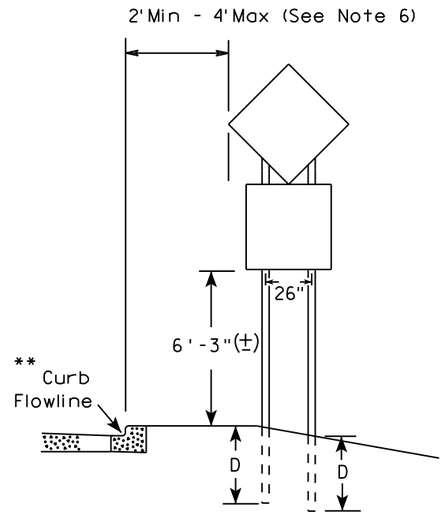
URBAN AREA



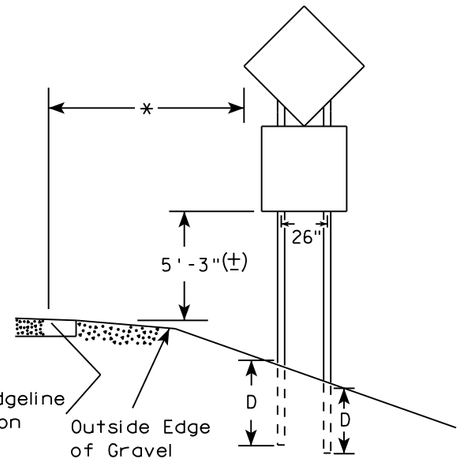
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

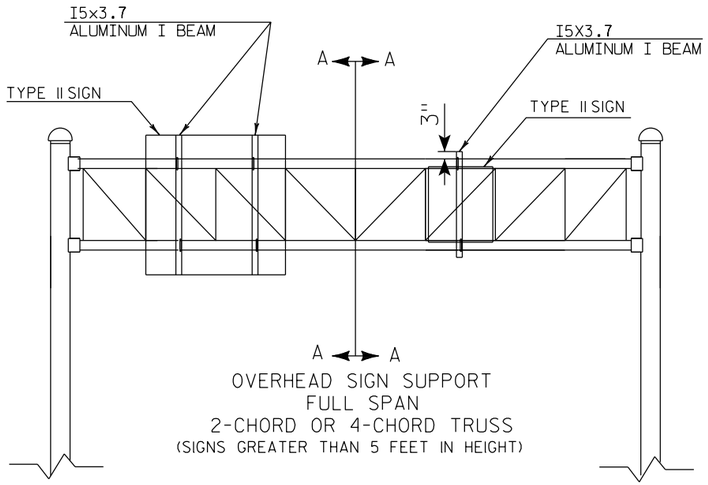
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

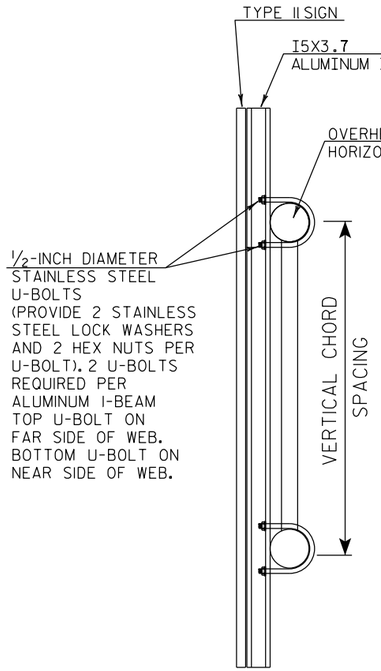
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

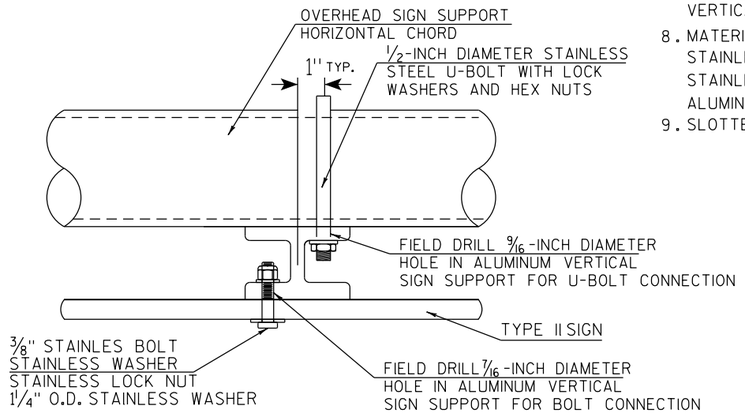
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 337	E



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



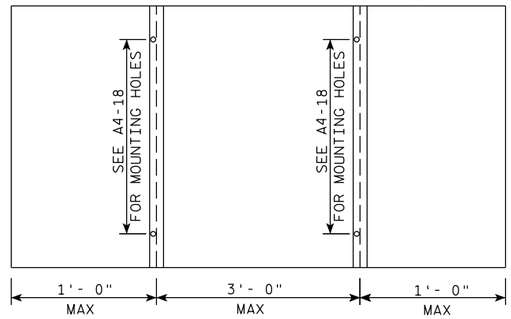
CUT SECTION A-A



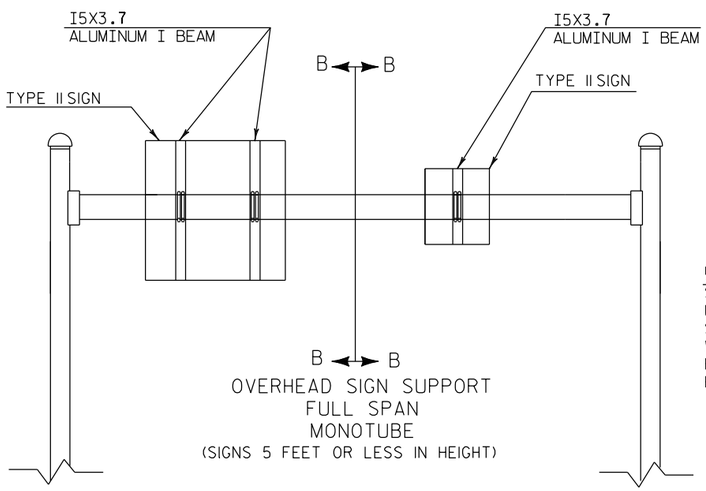
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

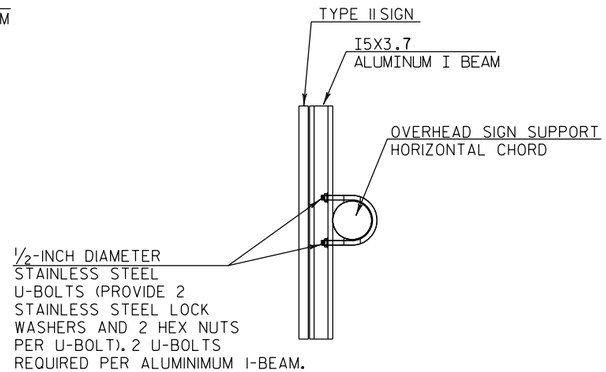
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE STAINLESS BOLTS AT BOLT HOLES IN SIGN PANEL PER SIGN PLATE A4-18.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS, BOLTS, AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



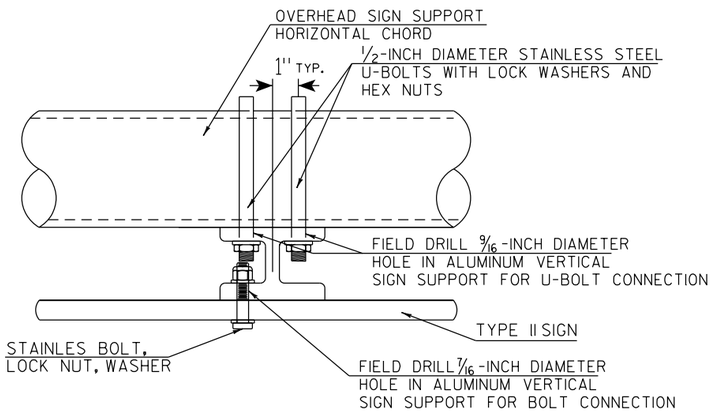
SPACING OF I5X3.7 ALUMINUM
MULTIPLE VERTICAL SIGN SUPPORTS



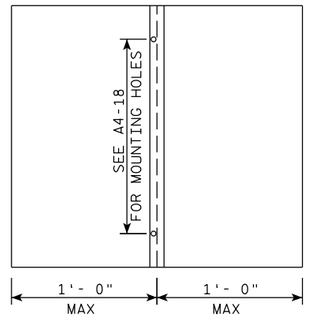
OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW



SPACING OF I5X3.7 ALUMINUM
SINGLE VERTICAL SIGN SUPPORT

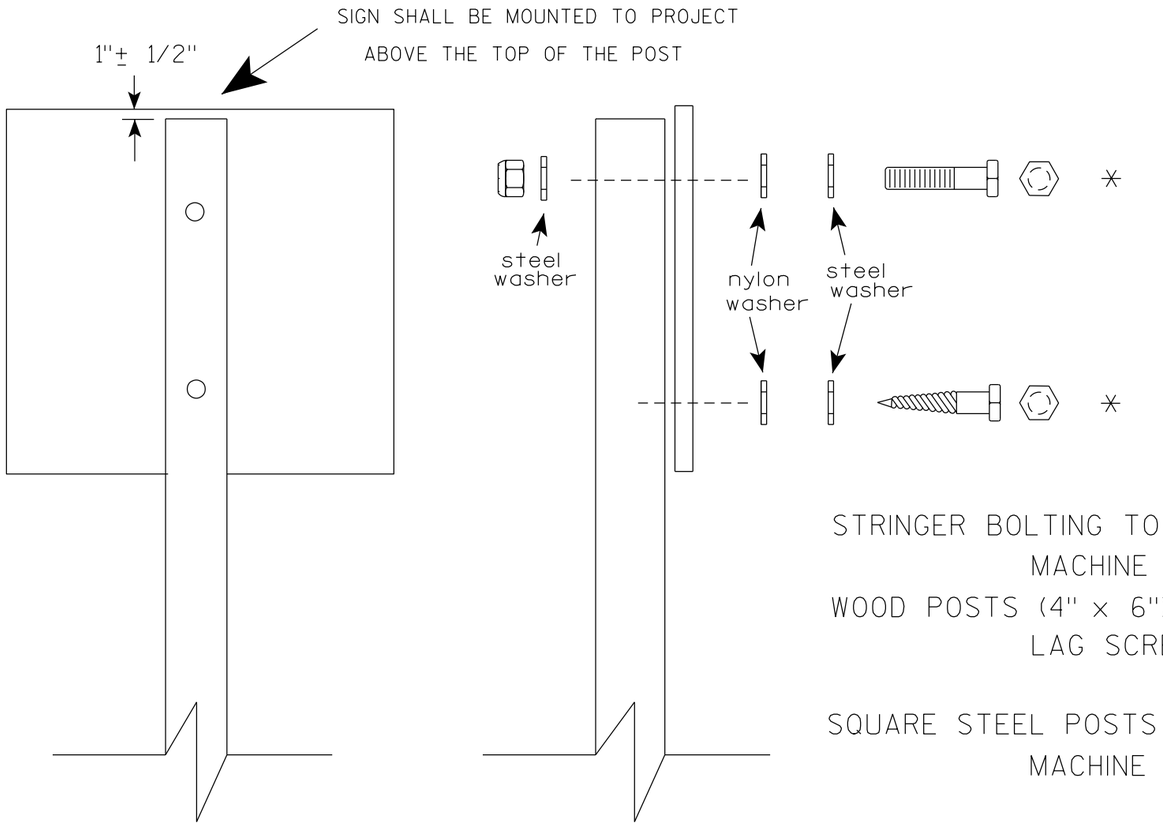
TYPE II SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 338	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

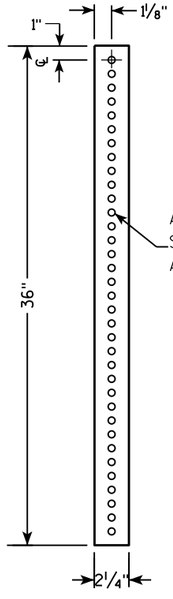
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

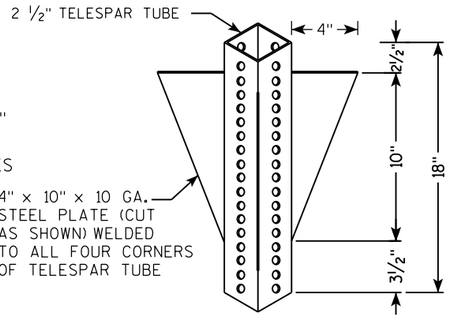
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

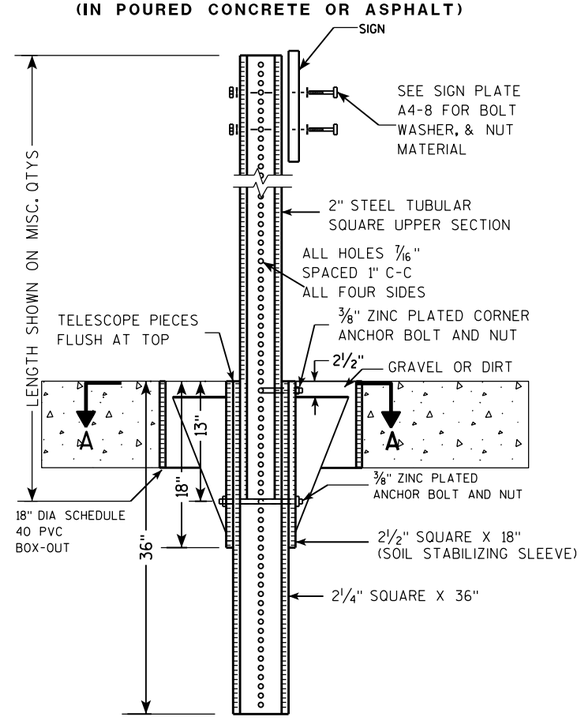
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



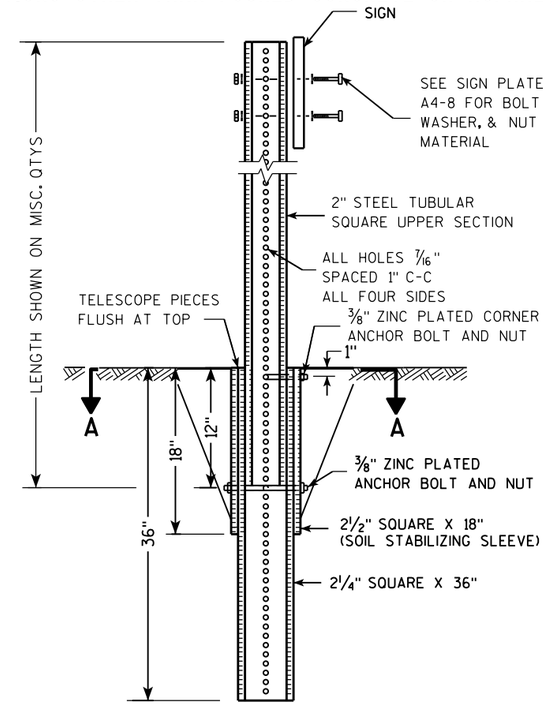
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

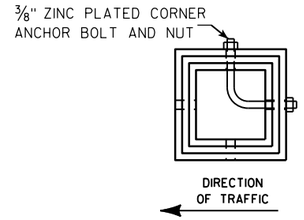


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

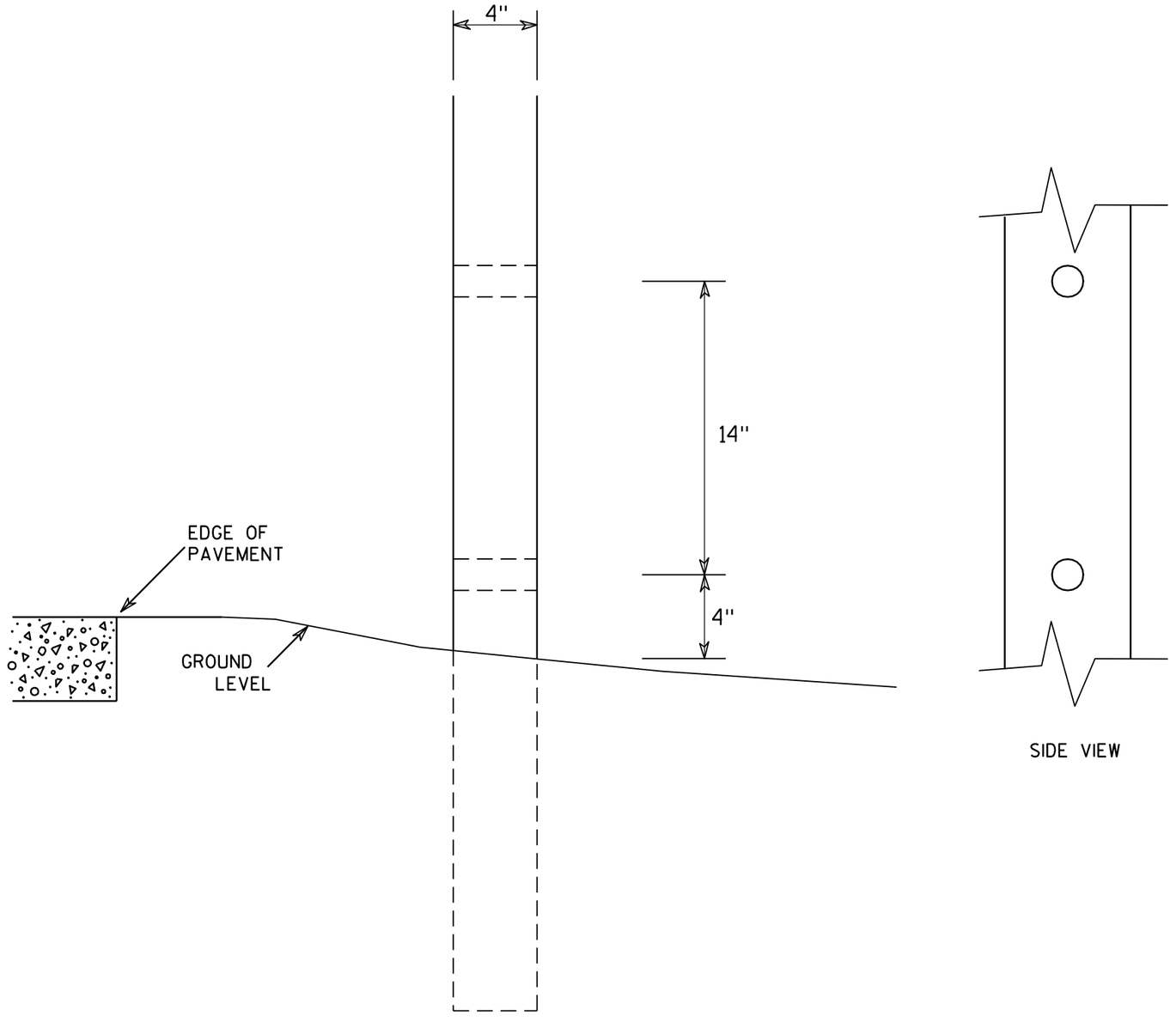
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 340 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

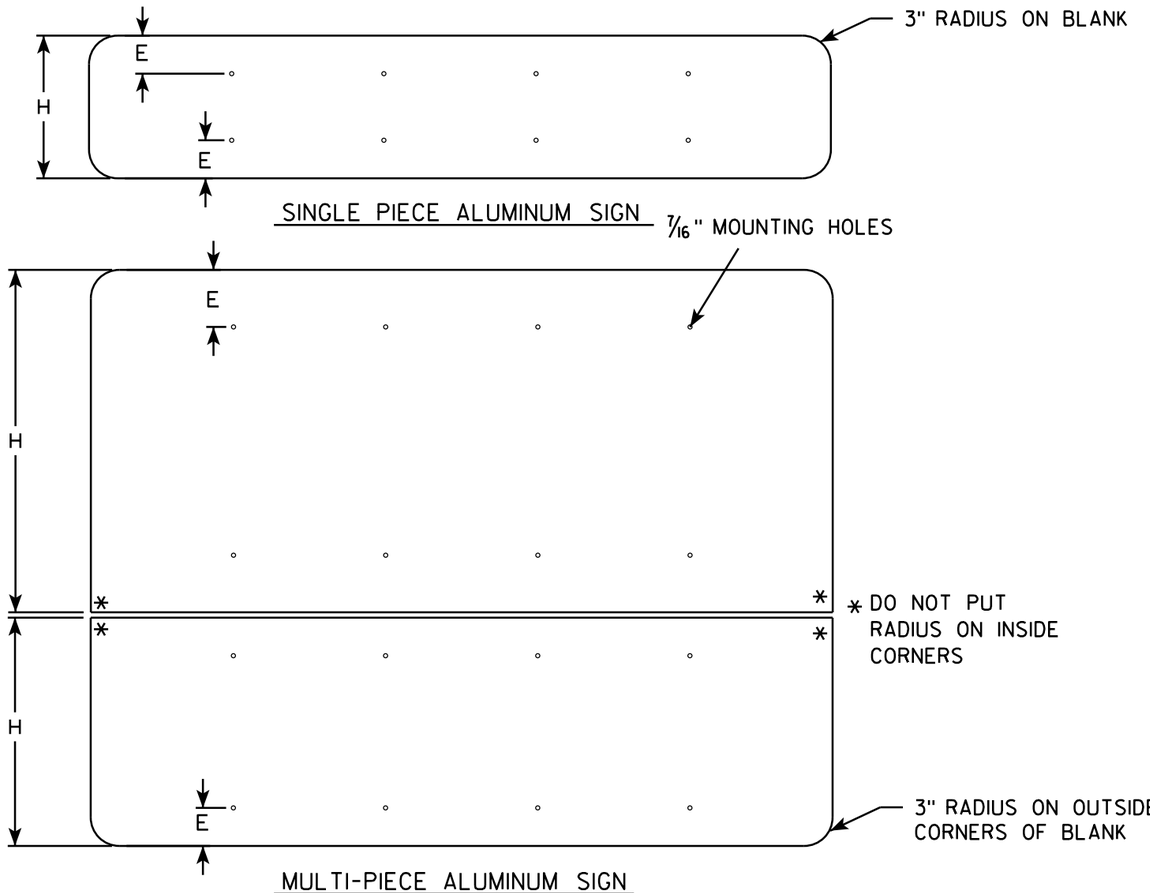
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

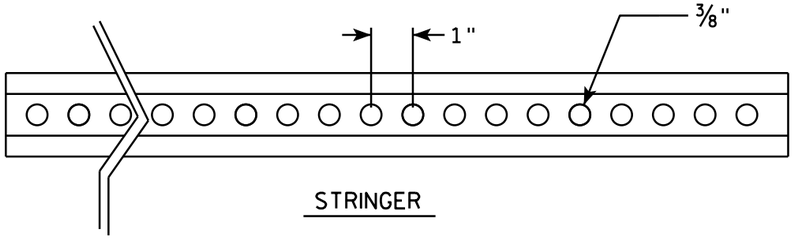
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 341	E



GENERAL NOTES

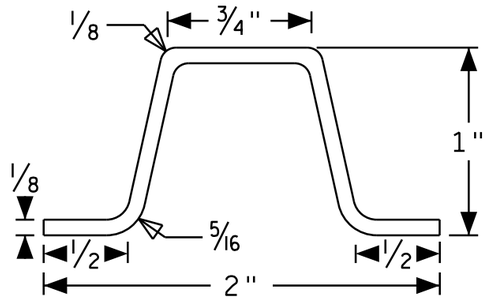
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

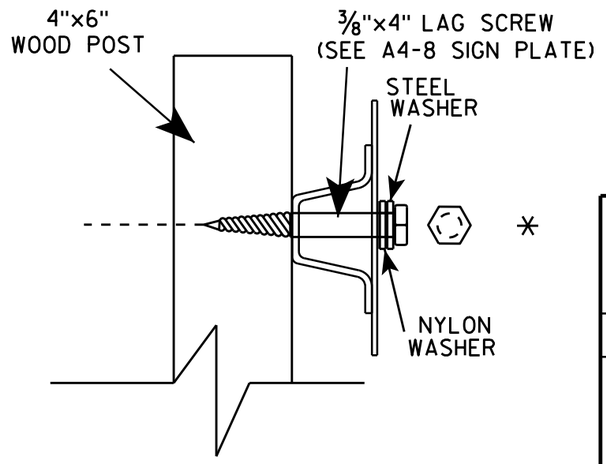


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

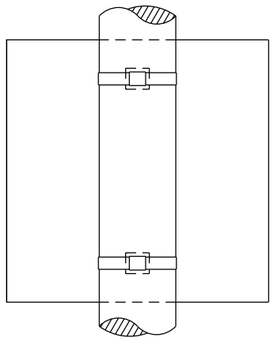
DATE 4/26/16 PLATE NO A4-18.1

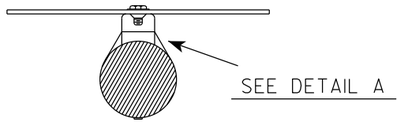
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

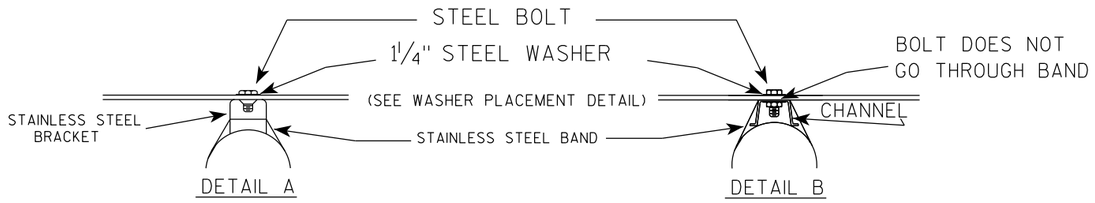
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

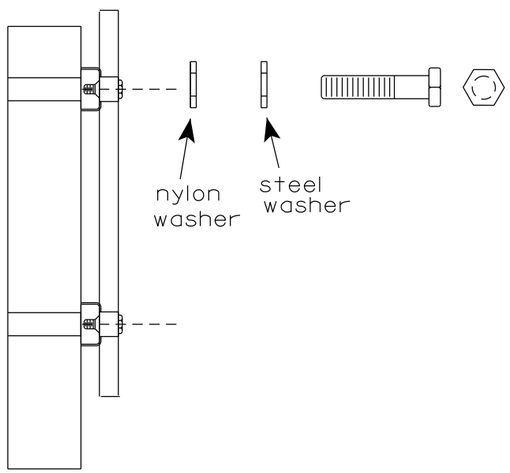
SINGLE SIGN







WASHER PLACEMENT

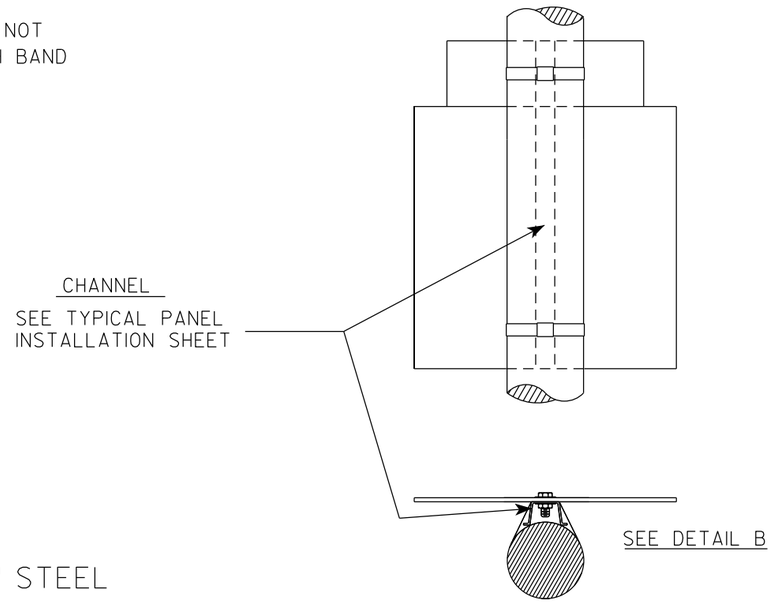


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

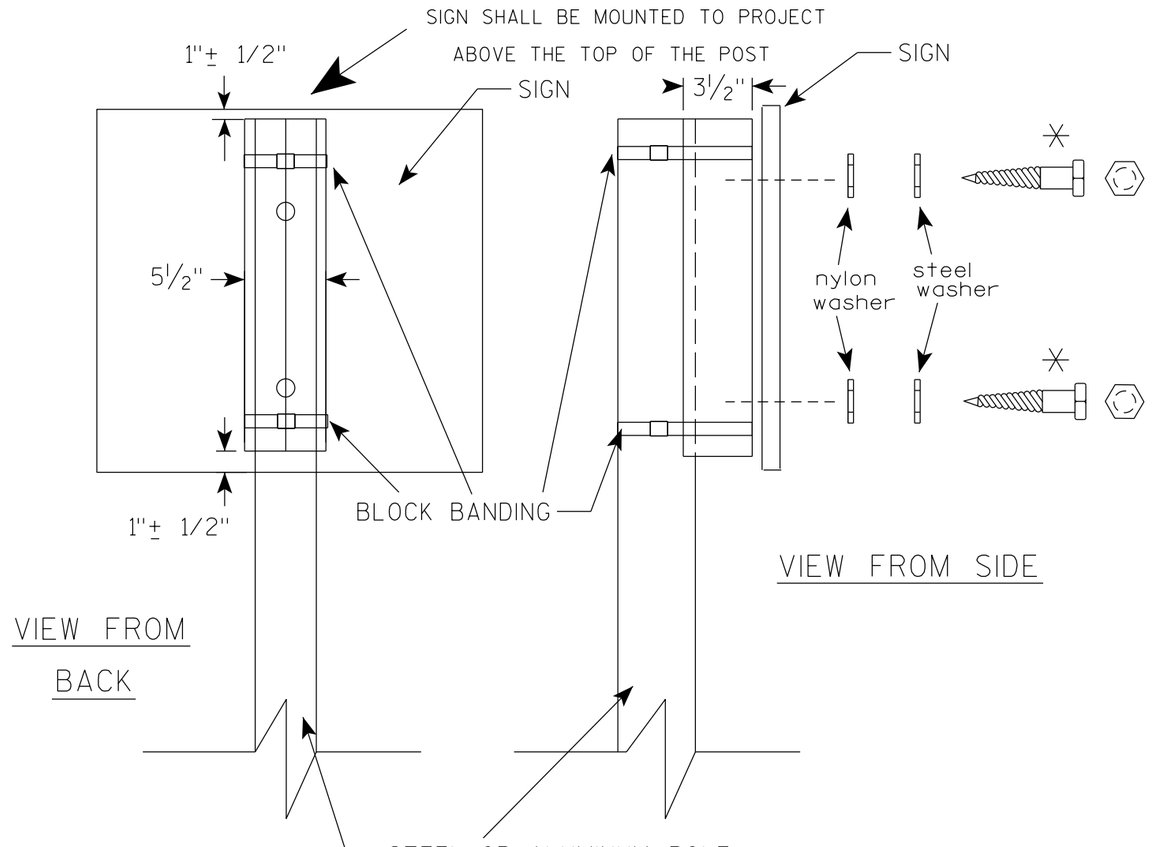
DATE 6/10/19 PLATE NO. A5-9.4

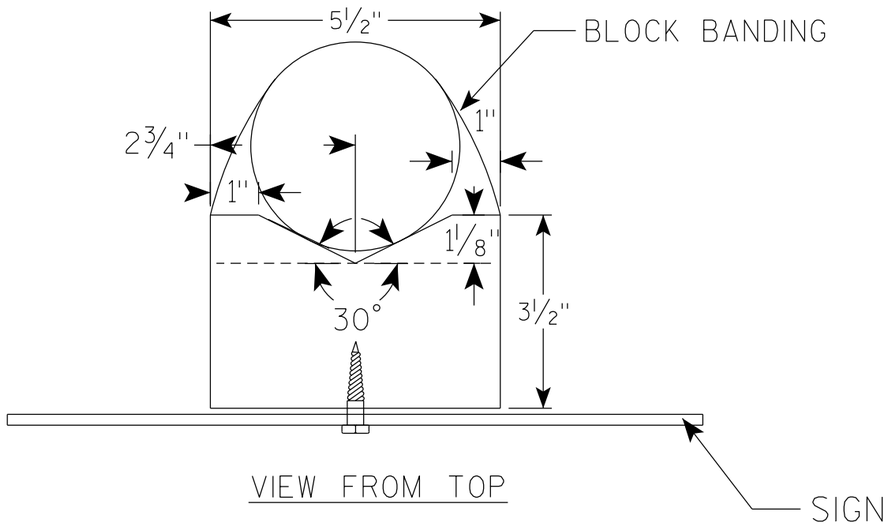
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 343	E

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)

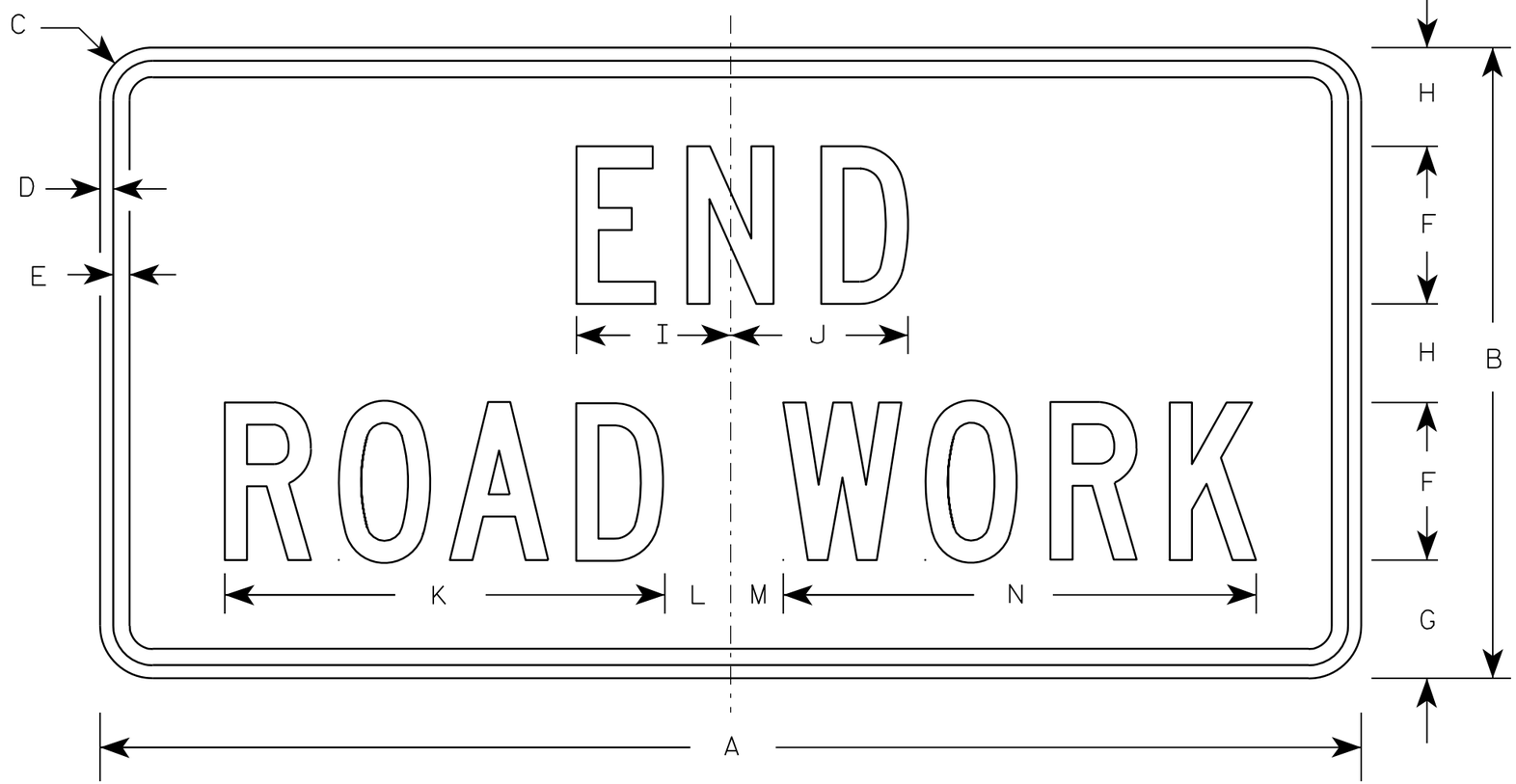
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 344 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

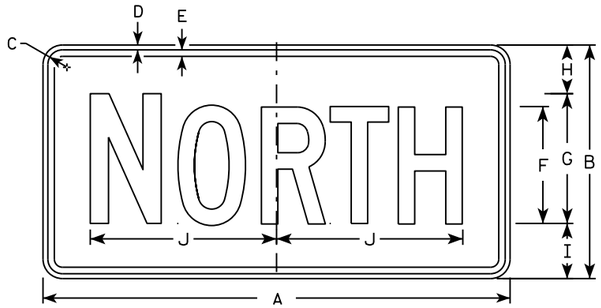
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

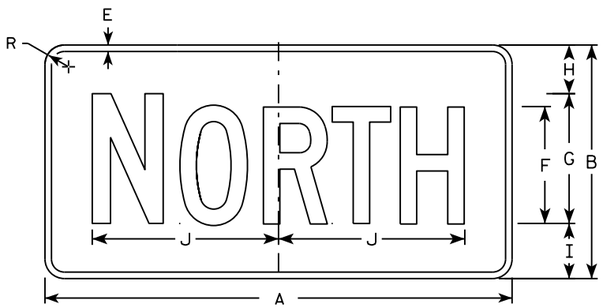
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 345	E



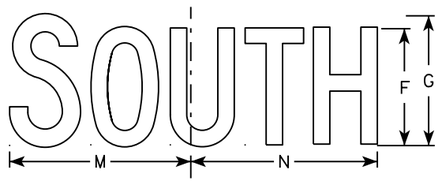
M3-1
MM3-1
MP3-1



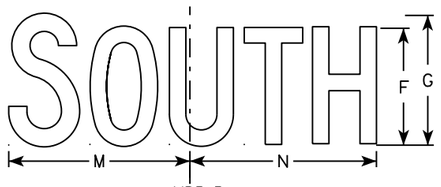
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

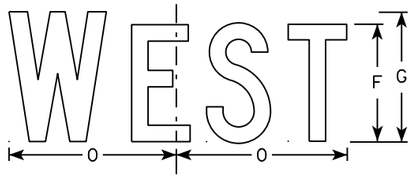
MB3-2
MK3-2
MN3-2



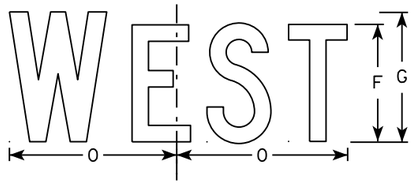
M3-3
MM3-3
MP3-3



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

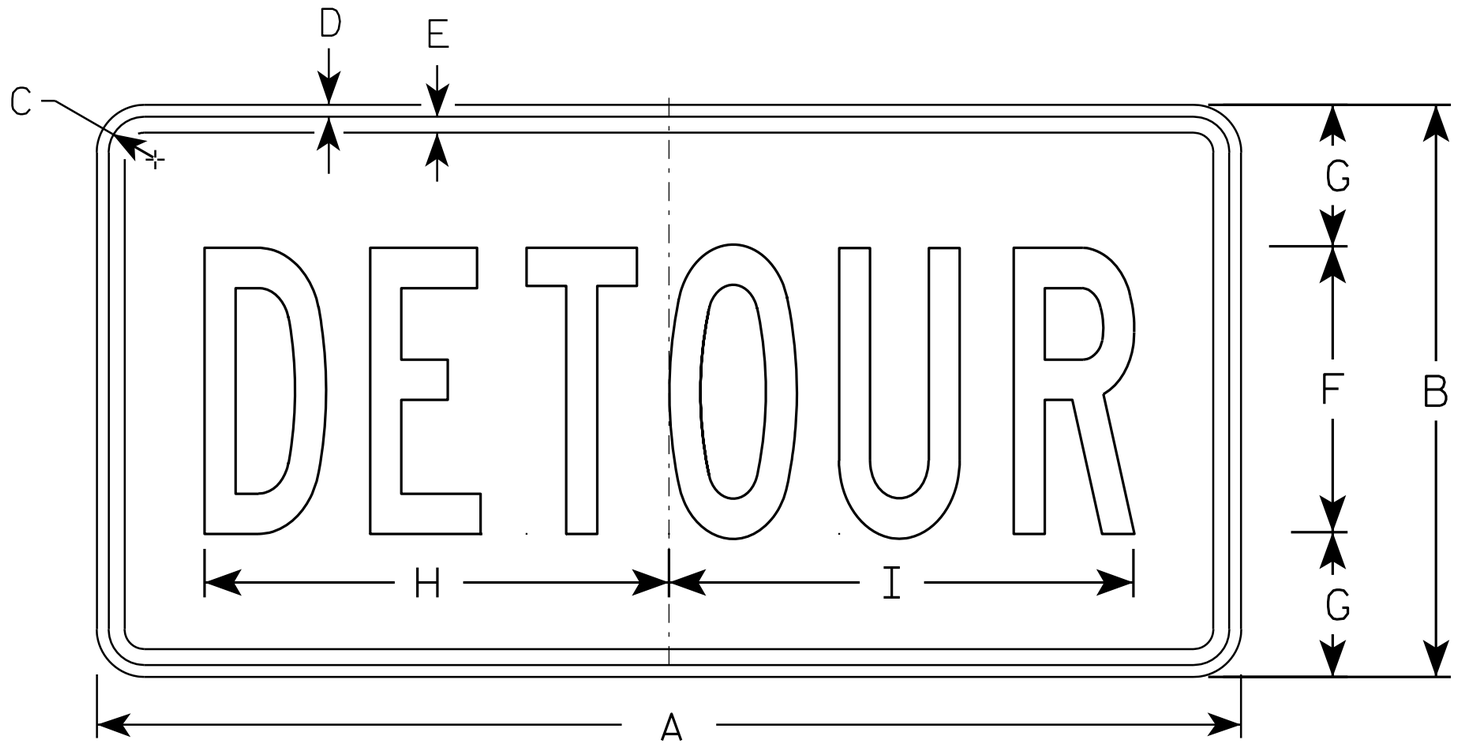
WISCONSIN DEPT OF TRANSPORTATION

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																											

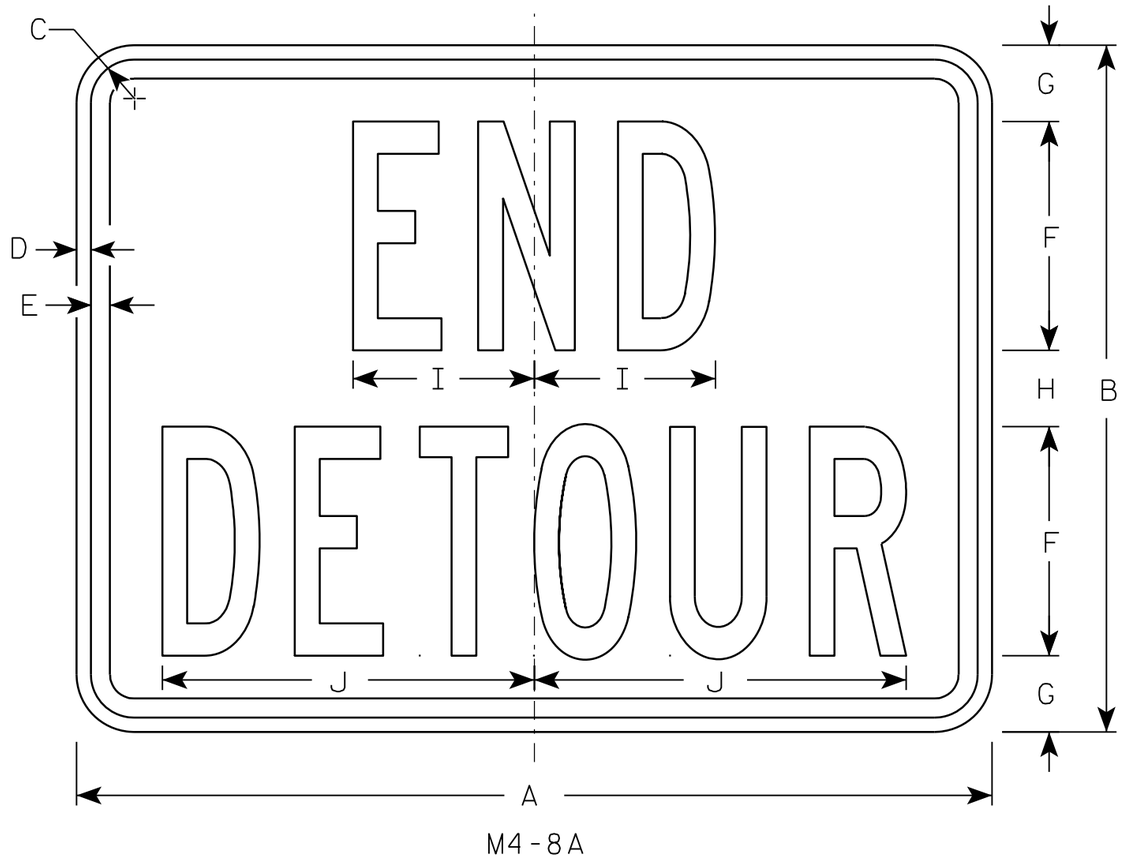
STANDARD SIGN
M4-8

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: 347	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																											

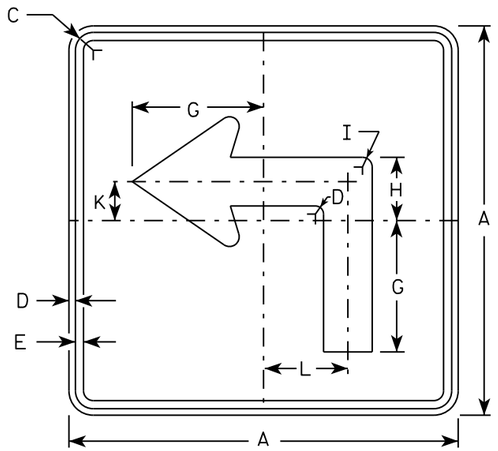
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

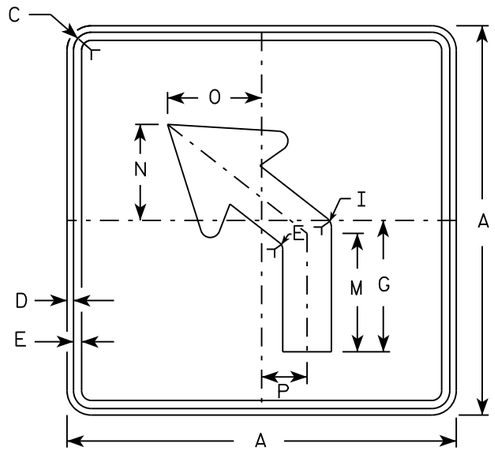
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

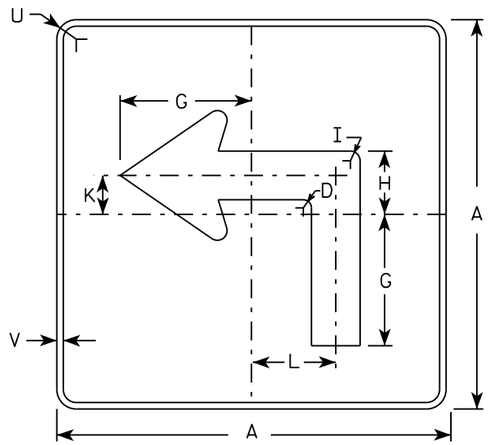
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 348	E



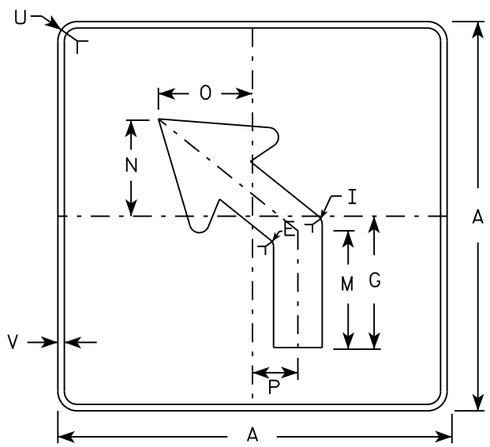
M5-1L
MM5-1L
MO5-1L
MP5-1L



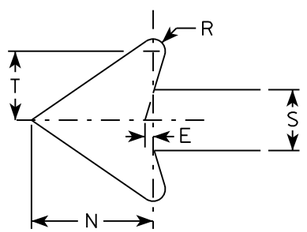
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

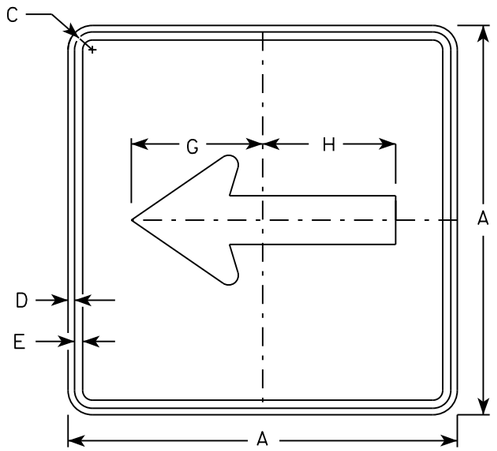
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

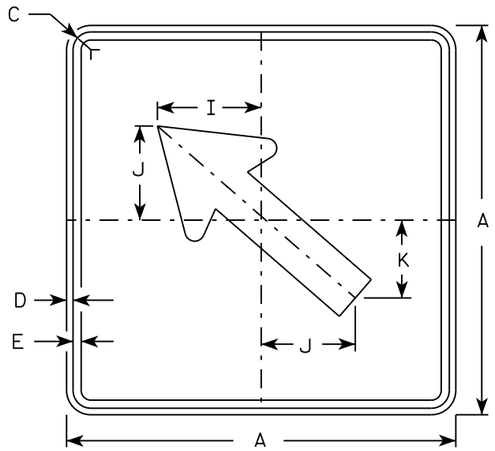
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



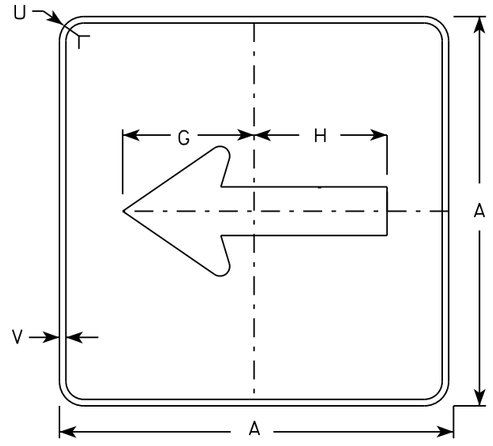
M6-1
MM6-1
MO6-1
MP6-1



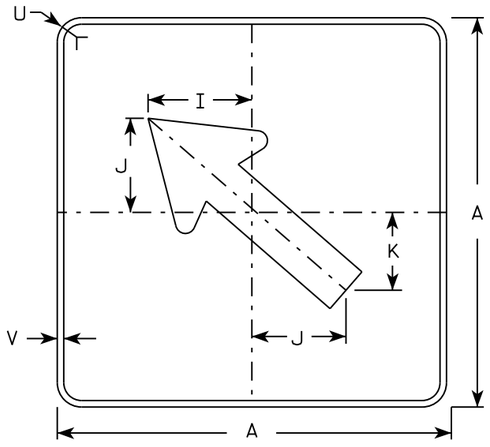
M6-2
MM6-2
MO6-2
MP6-2

NOTES

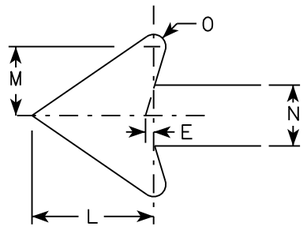
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

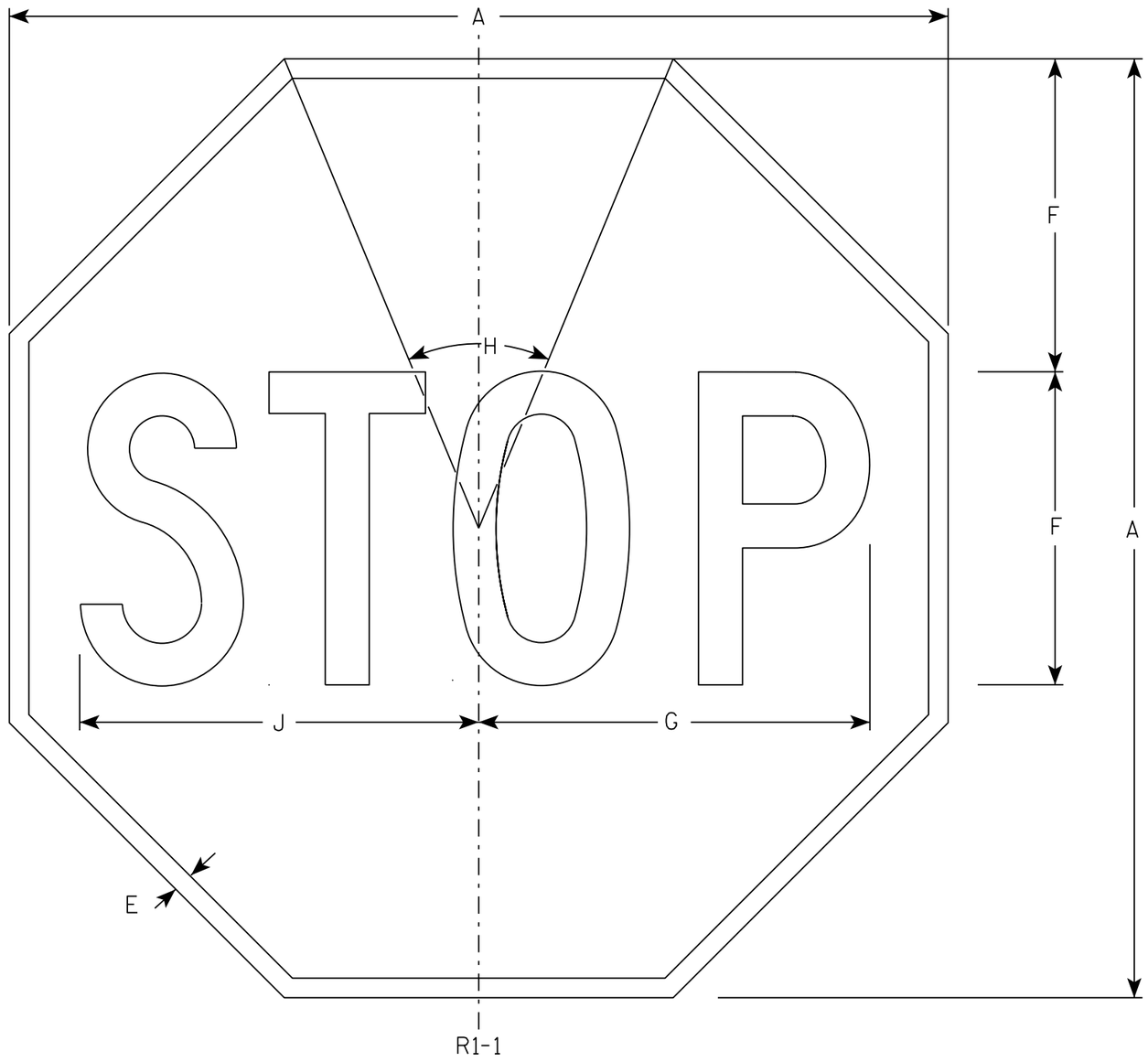
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 350 M6-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

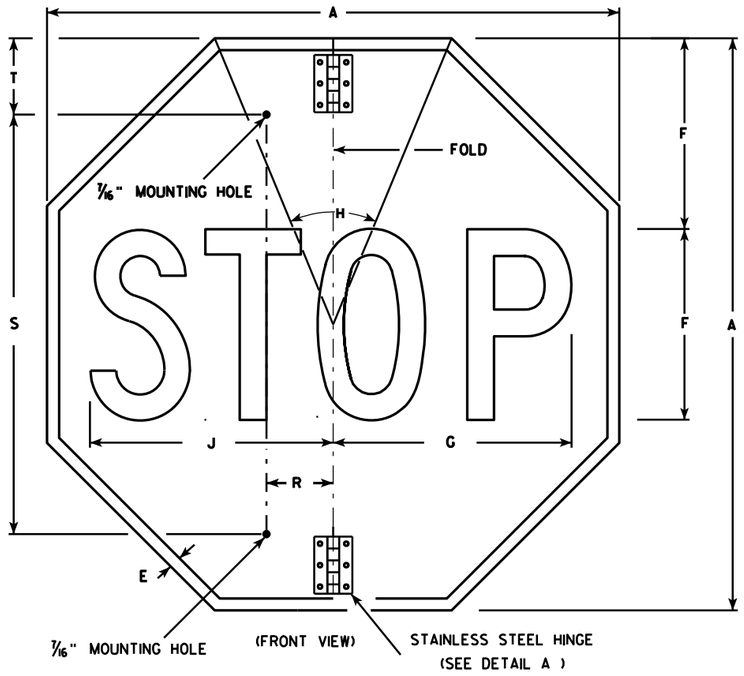
STANDARD SIGN
R1-1

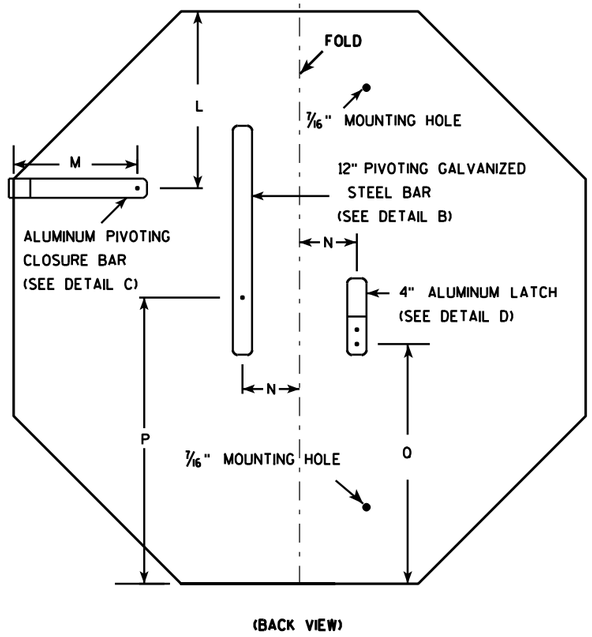
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

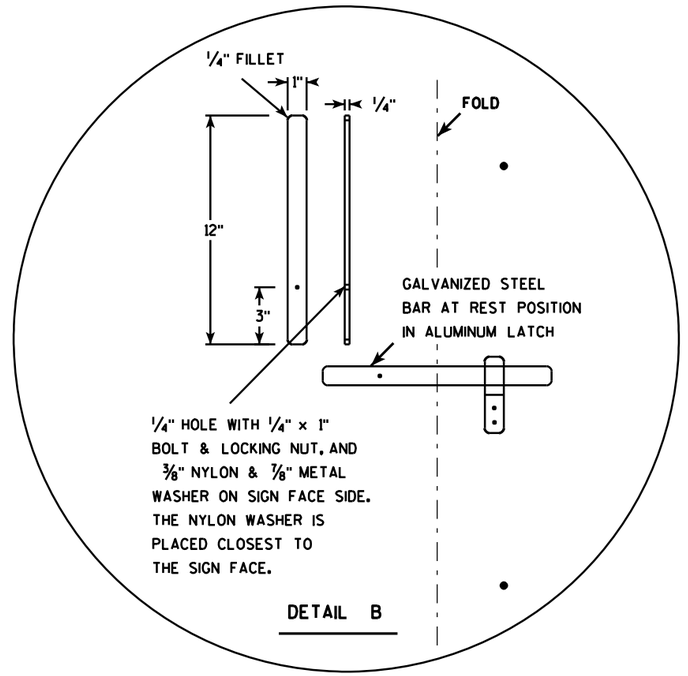
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 351	E

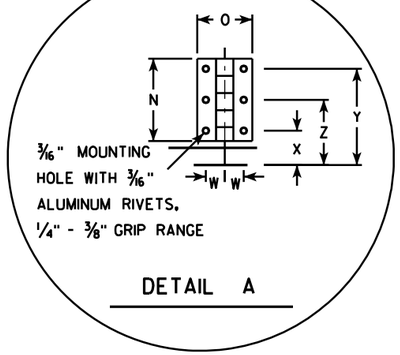


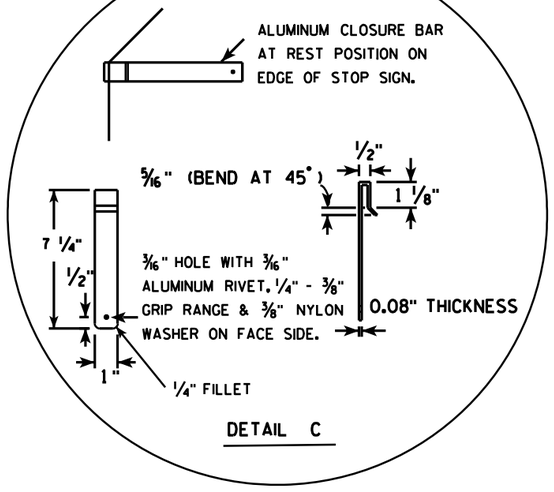


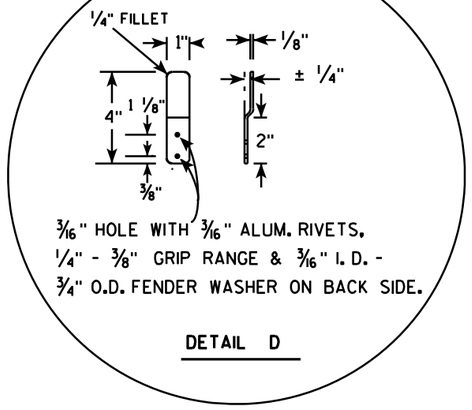
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

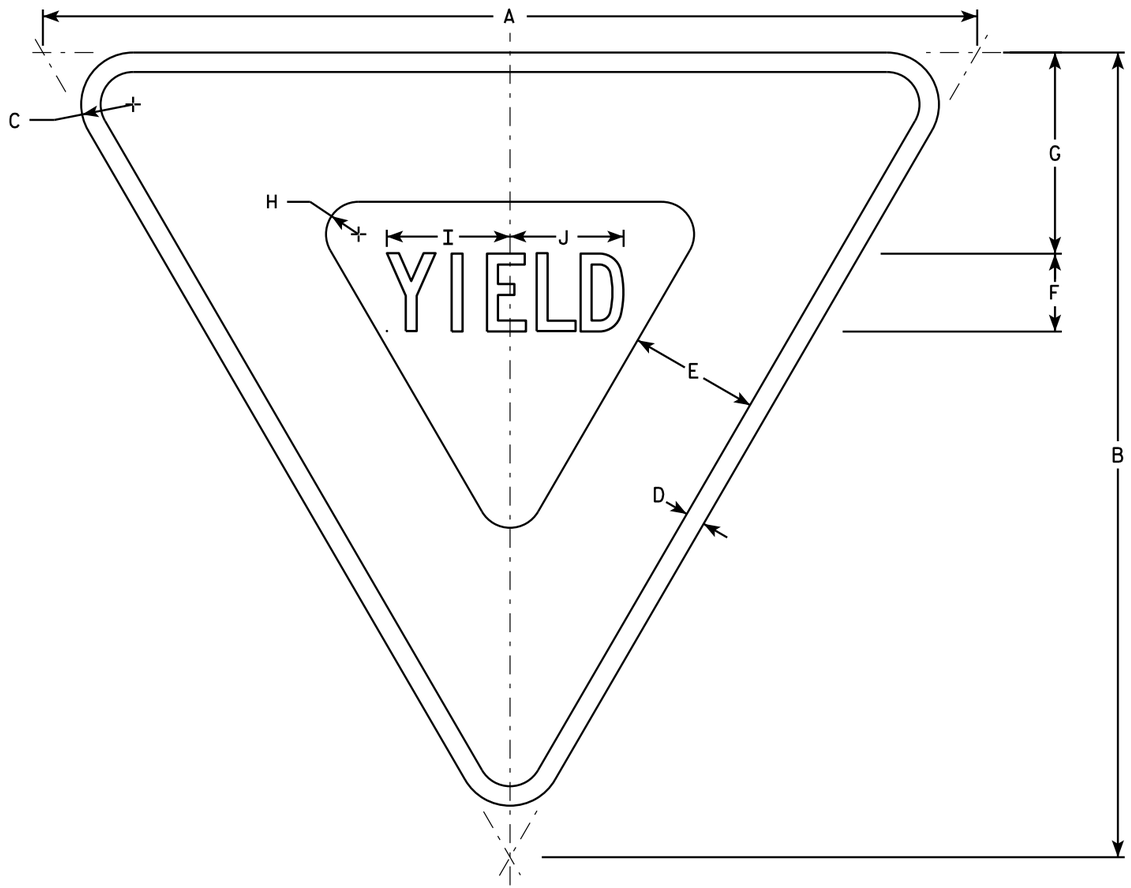
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 352	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

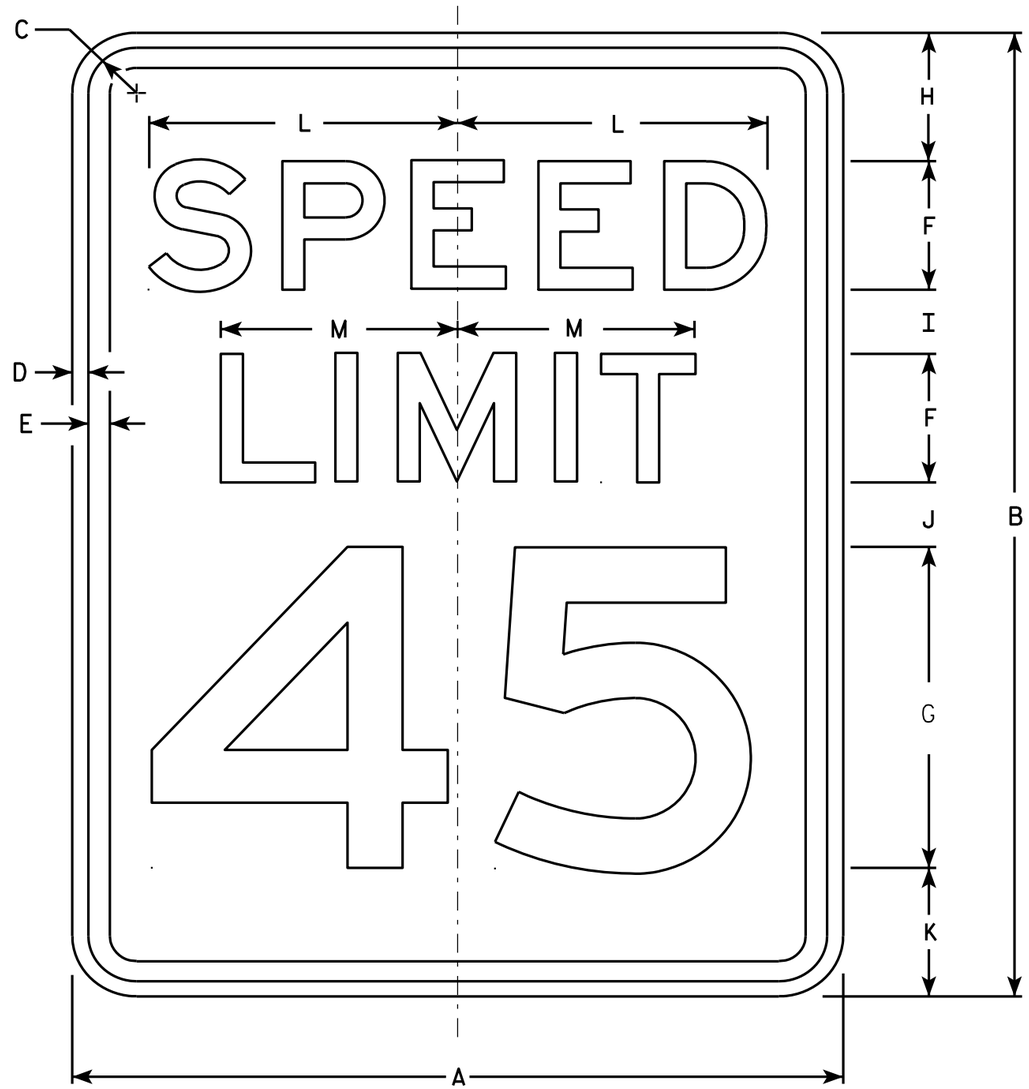
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000

WISDOT/CADDS SHEET 42



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

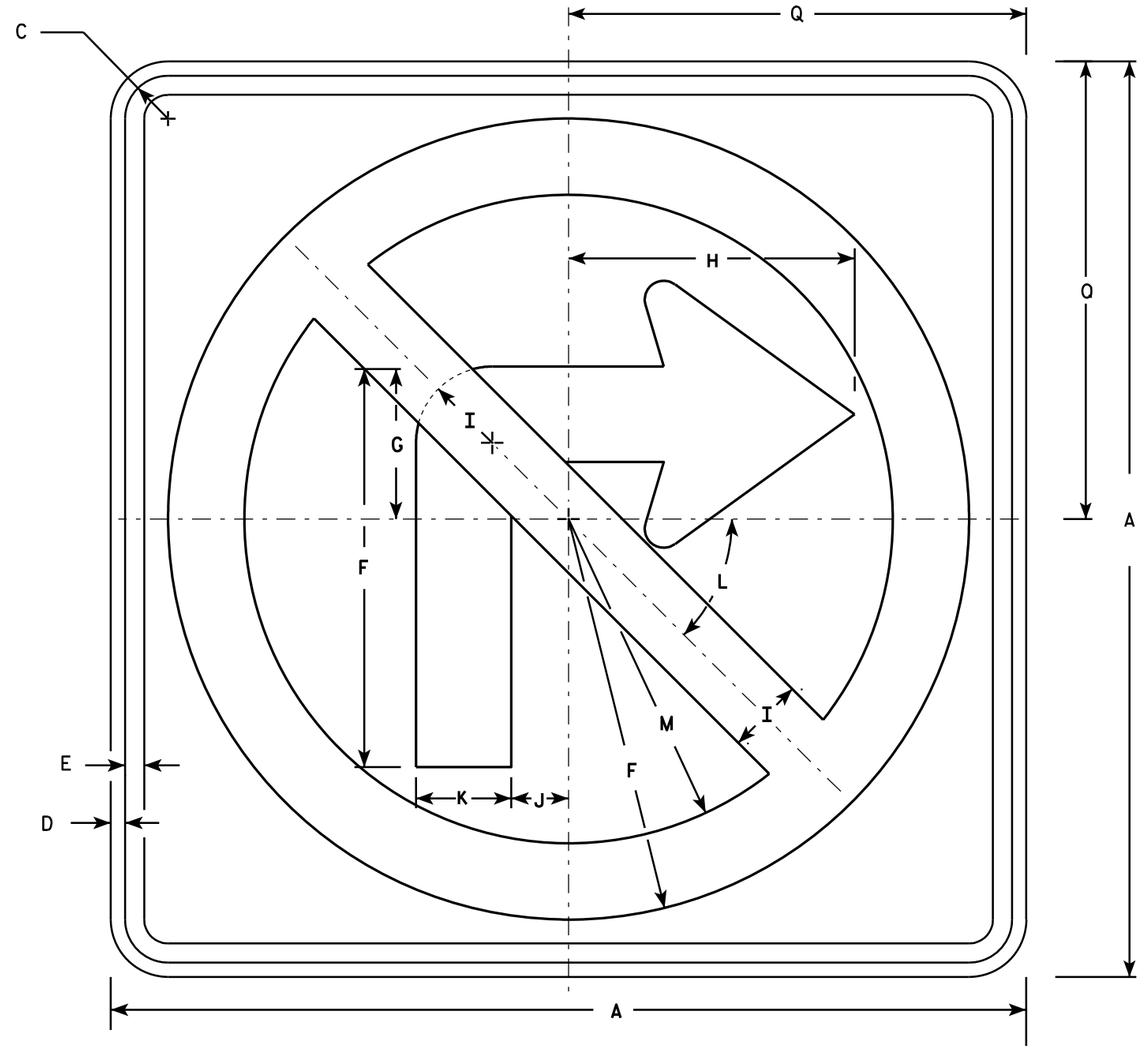
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

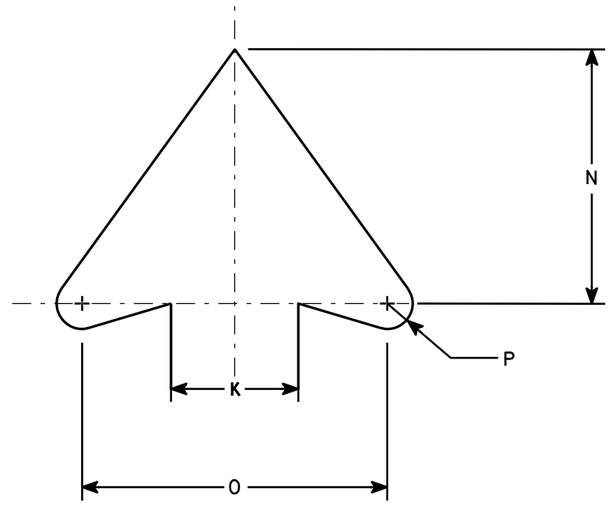
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 354	E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

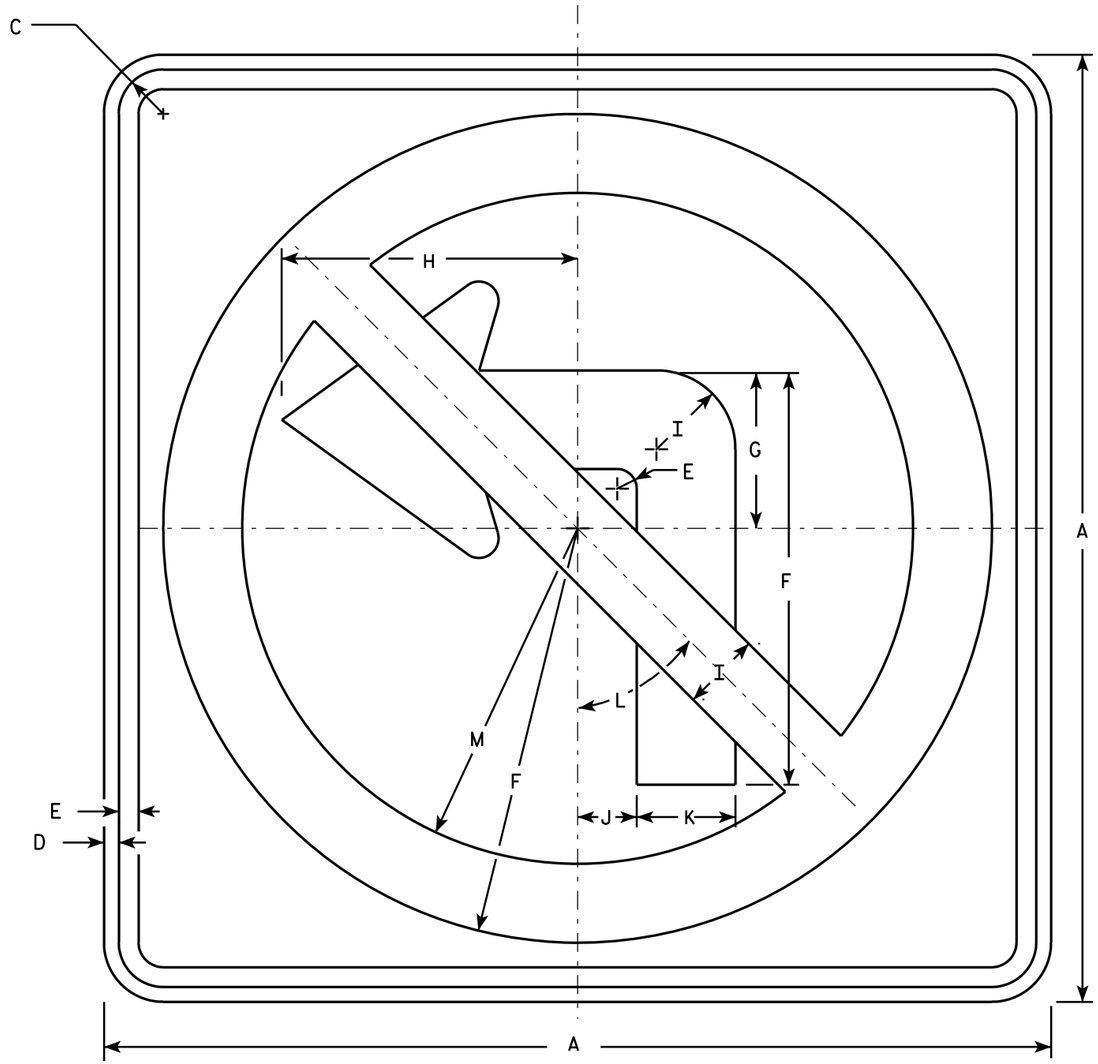
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

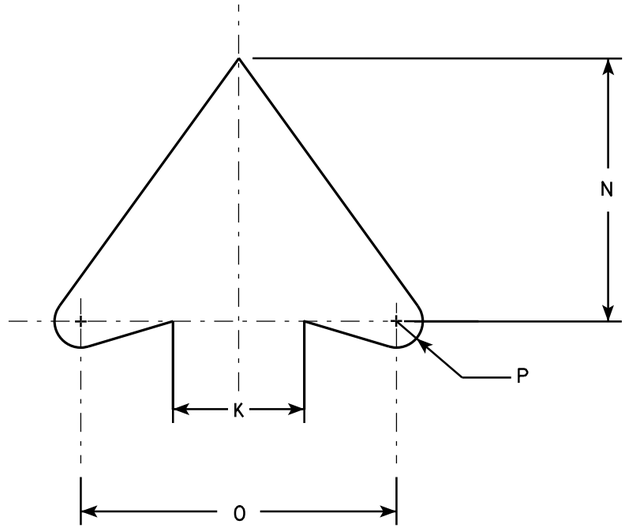
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 355	E



R3-2

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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

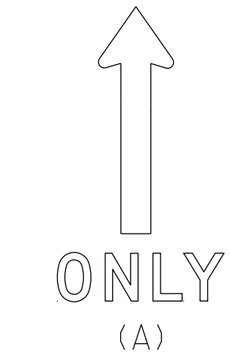
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

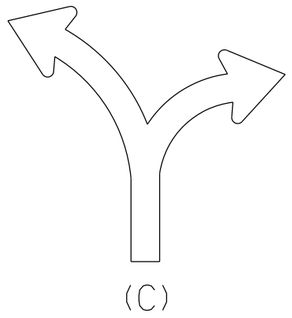
DATE 12/08/10 PLATE NO. R3-2.10

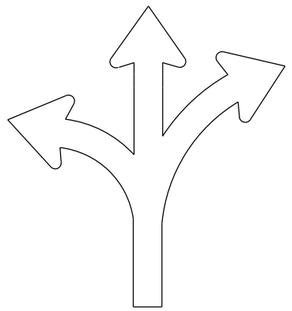
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 356 | E

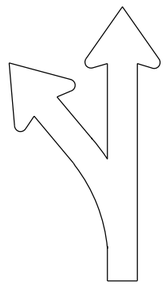


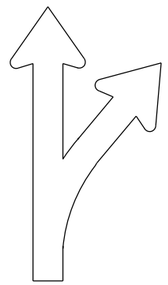
(A)

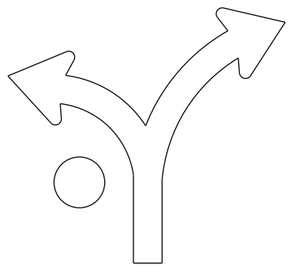
(B)

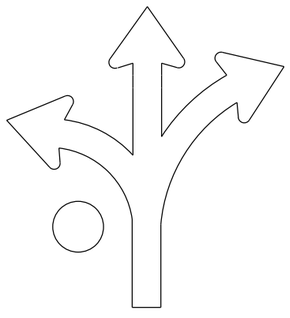

(C)

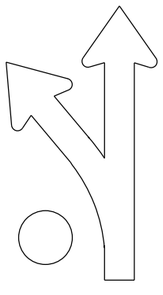

(D)


(E)

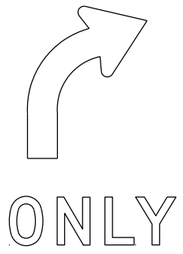

(F)


(G)

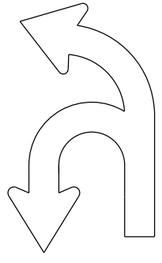

(H)


(I)

(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1 Letter =	3.75 sq ft	for Size 2
	6.0 sq ft	for Size 3
	10.0 sq ft	for Size 4 or 5
2 Letters =	7.5 sq ft	for Size 2
	12.0 sq ft	for Size 3
	20.0 sq ft	for Size 4 or 5
3 Letters =	11.25 sq ft	for Size 2
	18.0 sq ft	for Size 3
	30.0 sq ft	for Size 4 or 5
4 Letters =	15.0 sq ft	for Size 2
	24.0 sq ft	for Size 3
	40.0 sq ft	for Size 4 or 5
5 Letters =	18.75 sq ft	for Size 2
	30.0 sq ft	for Size 3
	50.0 sq ft	for Size 4 or 5
6 Letters =	22.5 sq ft	for Size 2
	36.0 sq ft	for Size 3
	60.0 sq ft	for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

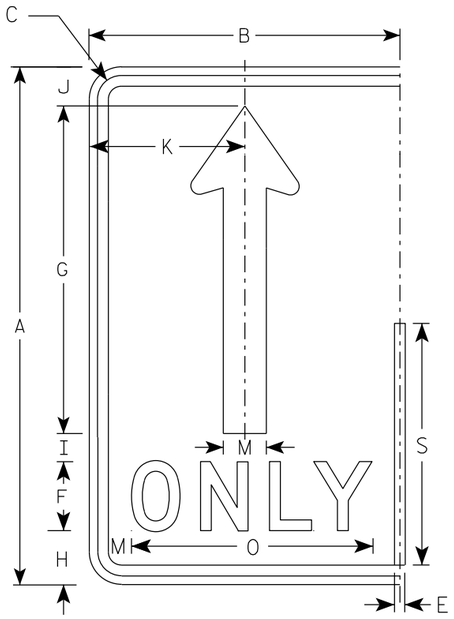
PROJECT NO:

SHEET NO: 357 E

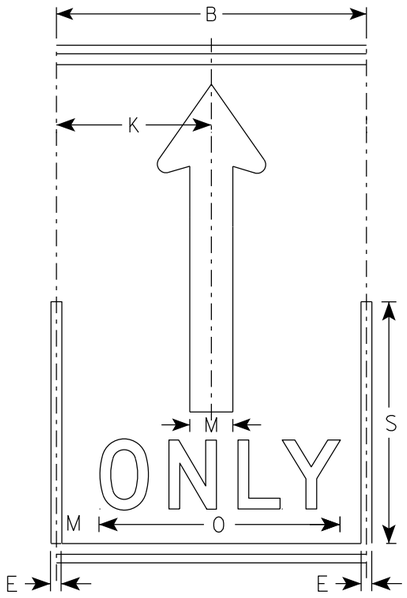
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:37 PLOT BY : mscj9h PLOT NAME :
WISDOT/CADDS SHEET 42

NOTES

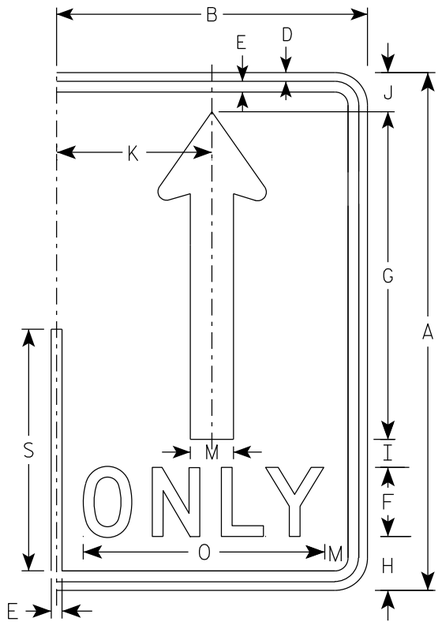
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



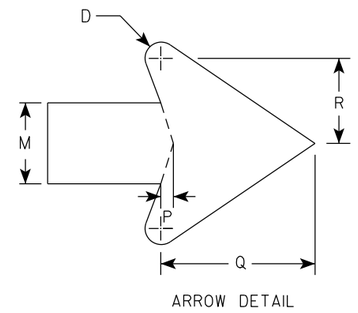
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

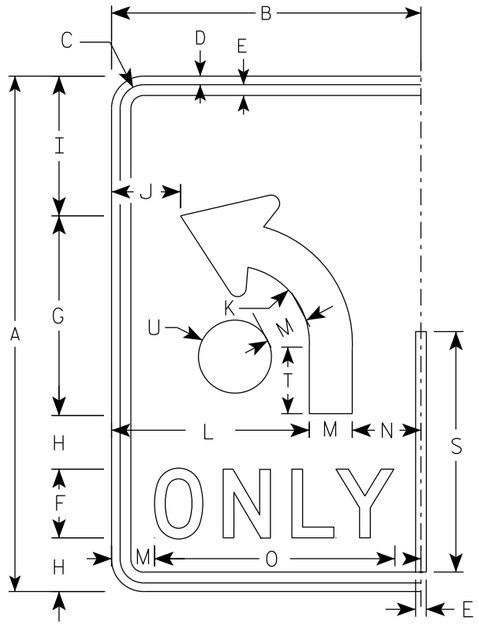
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

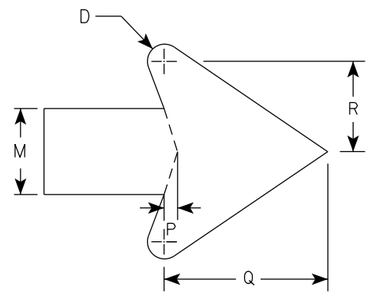
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 358 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

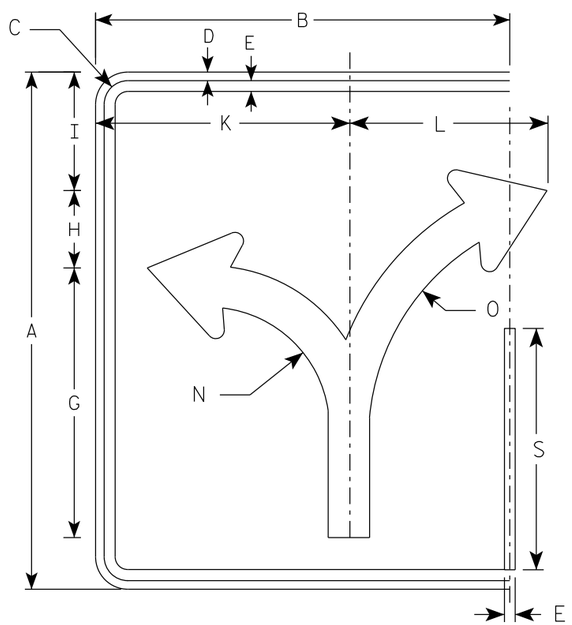
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

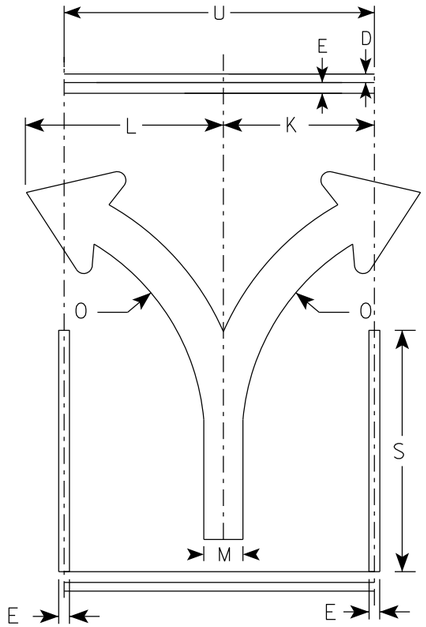
SHEET NO: 359 E

NOTES

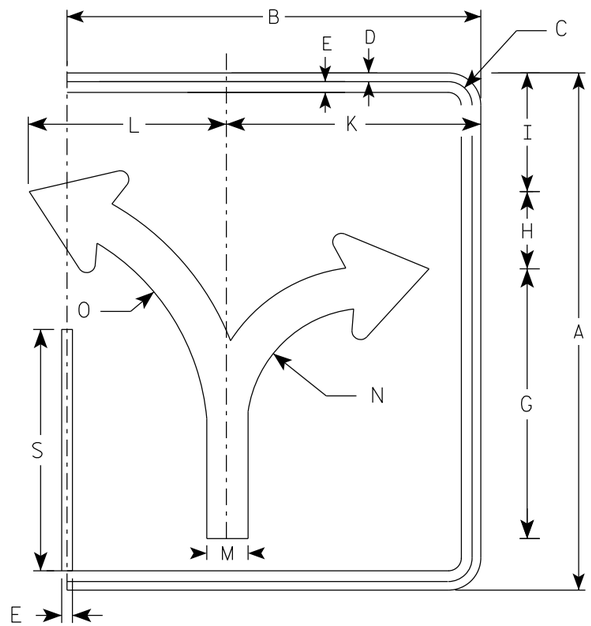
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



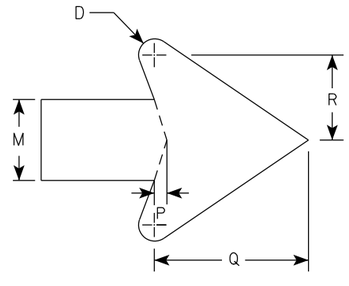
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

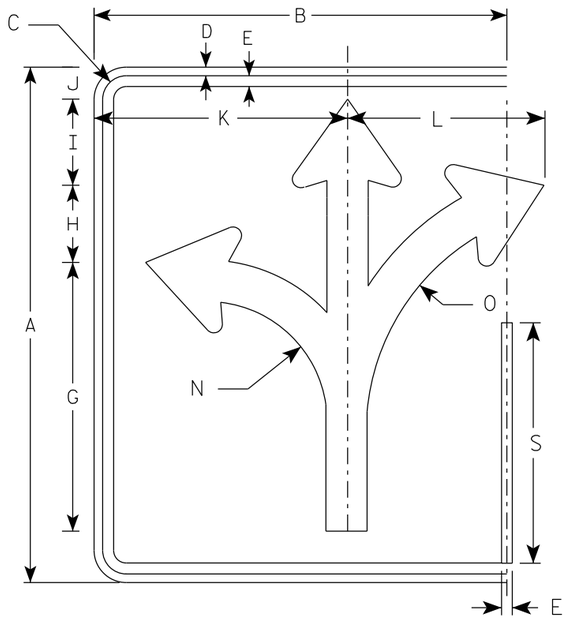
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

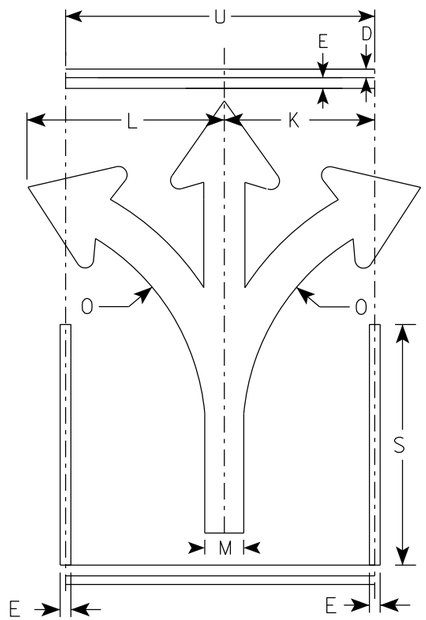
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 360 | E

NOTES

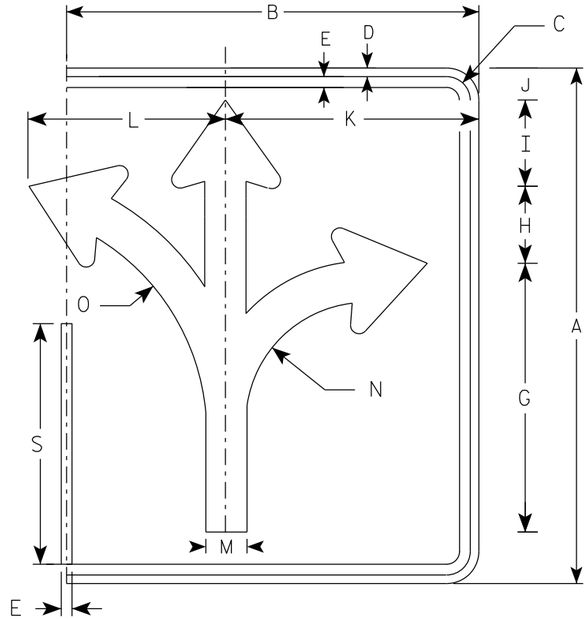
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



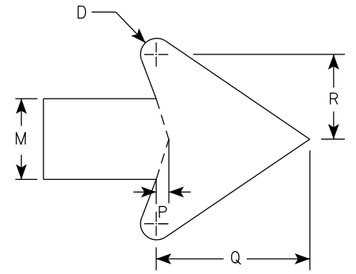
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

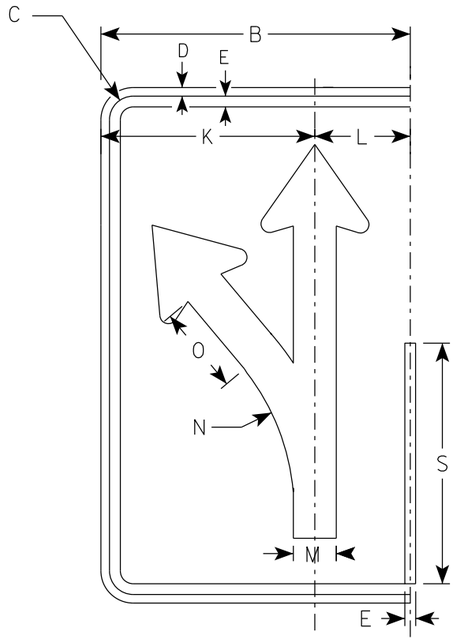
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

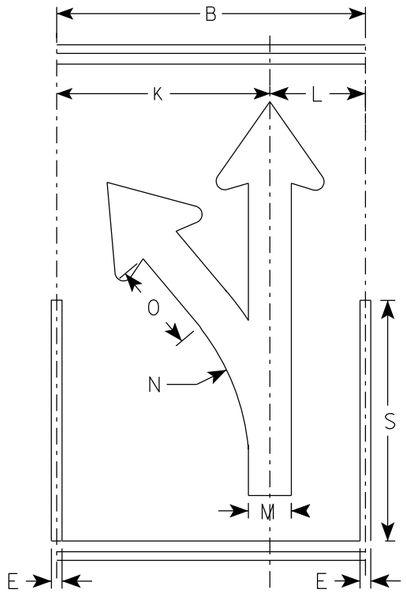
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 361 | E

NOTES

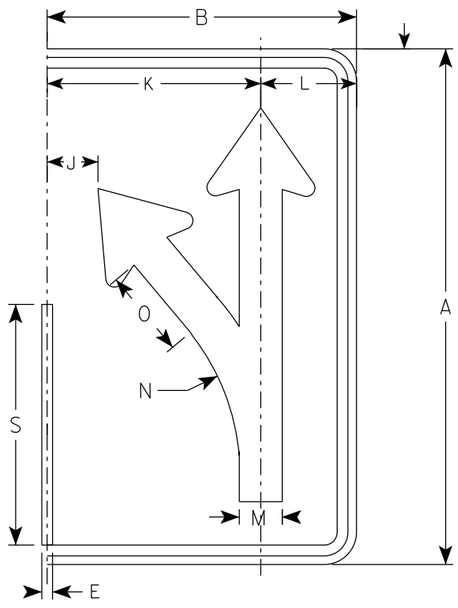
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



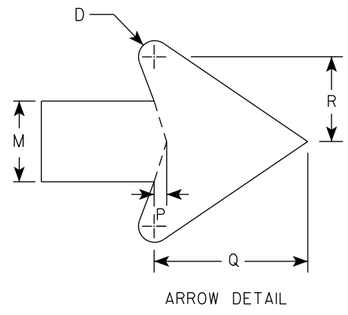
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

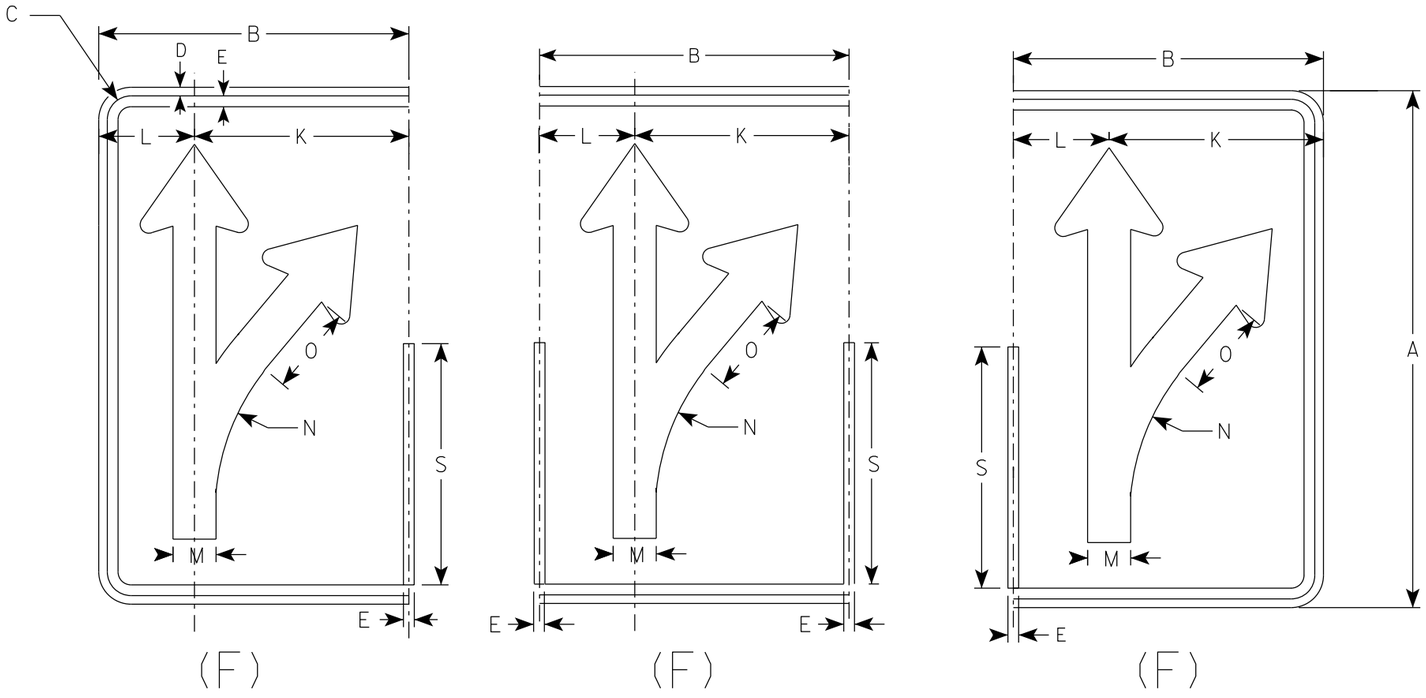
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

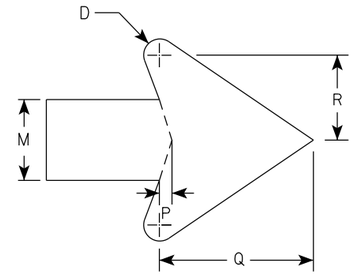
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 362 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(F) (F) (F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

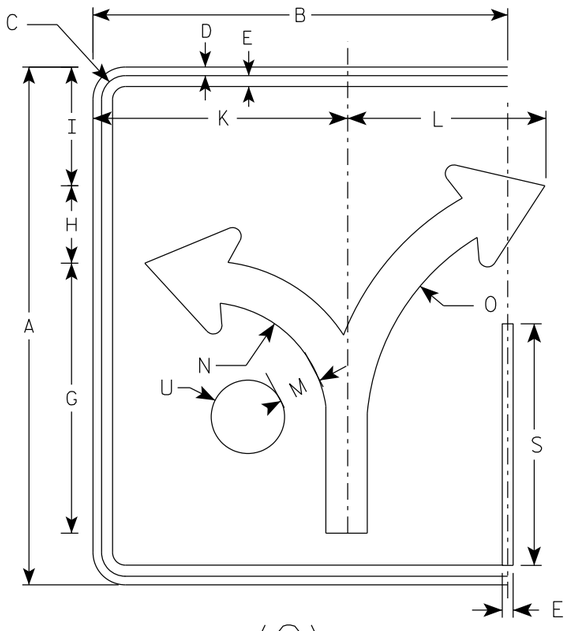
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

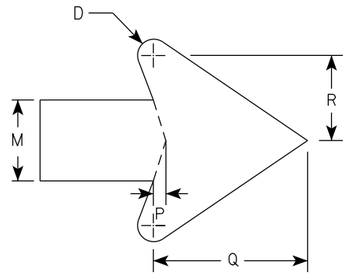
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 363 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

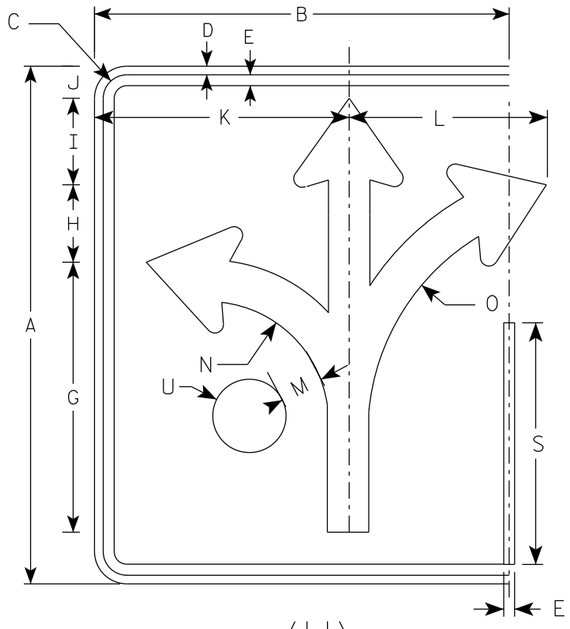
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

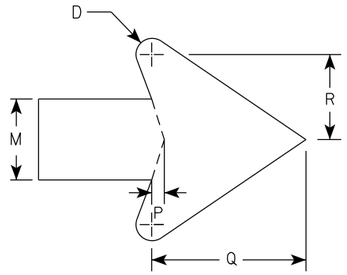
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 364 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

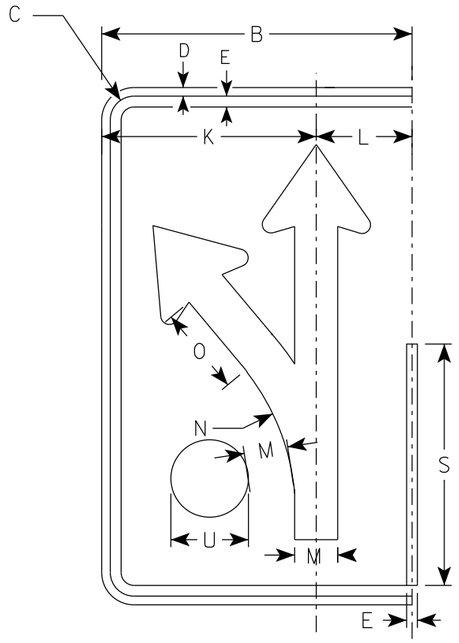
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

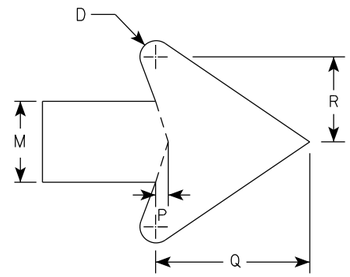
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 365	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

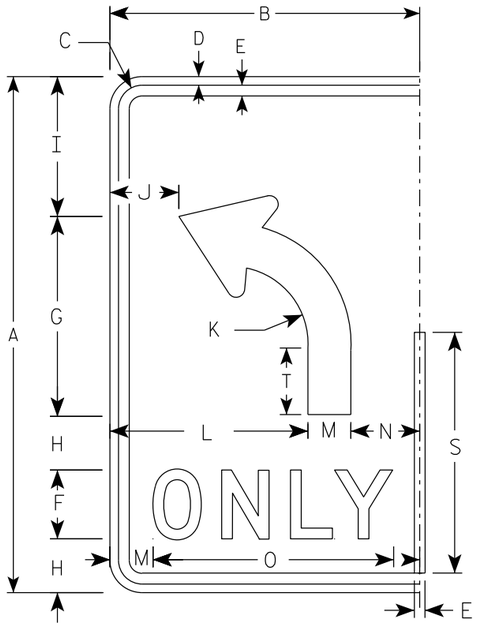
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

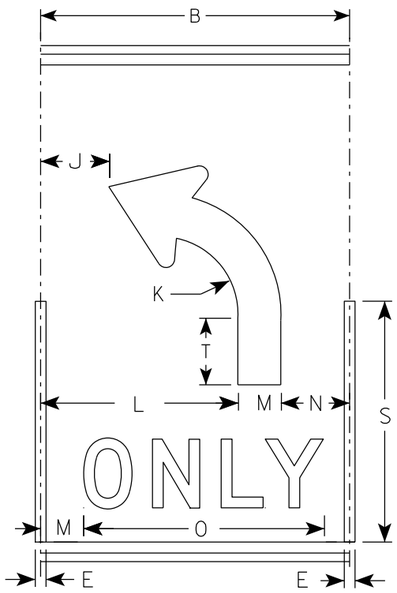
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 366 | E

NOTES

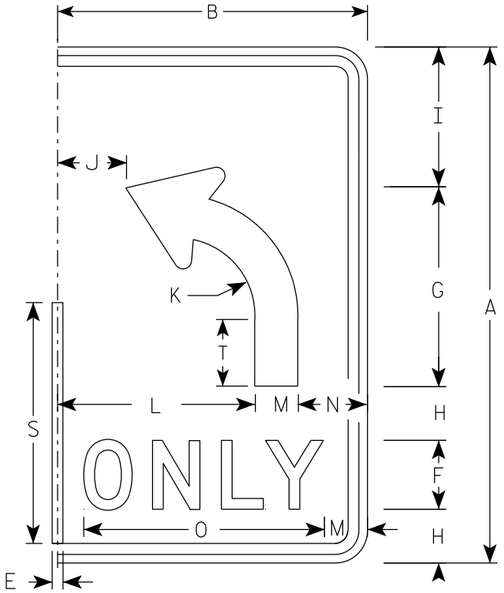
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



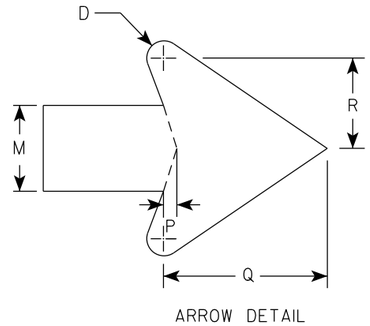
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

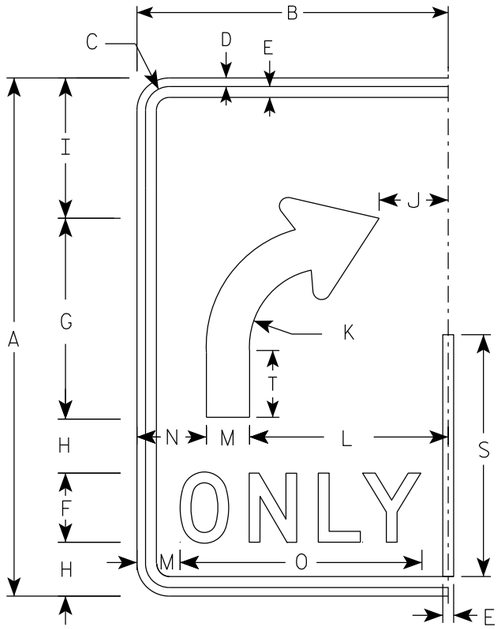
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

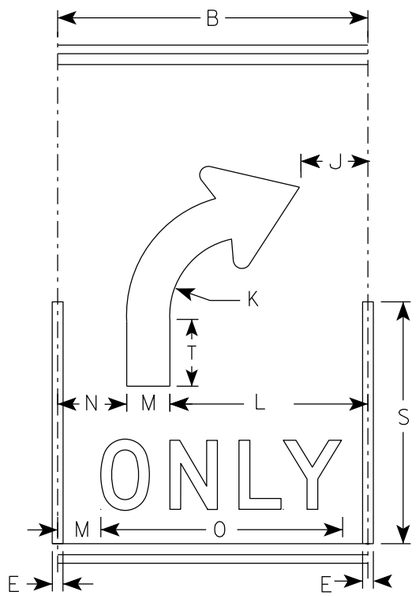
SHEET NO: 367 E

NOTES

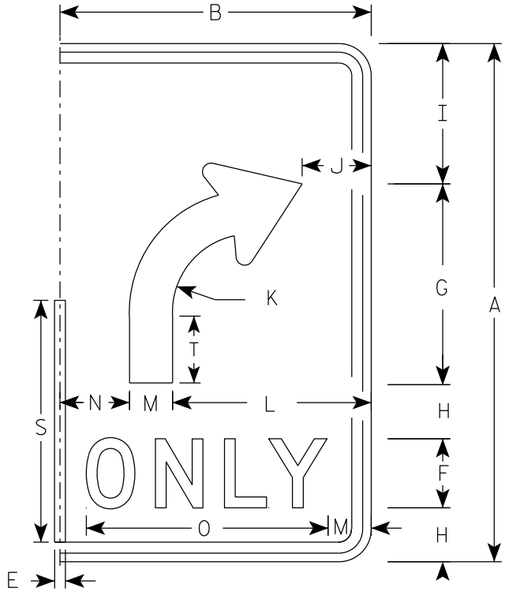
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



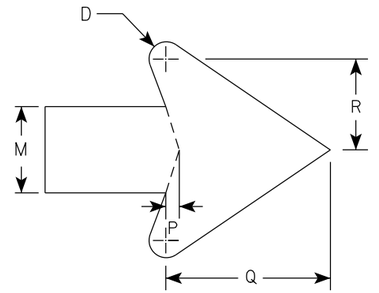
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

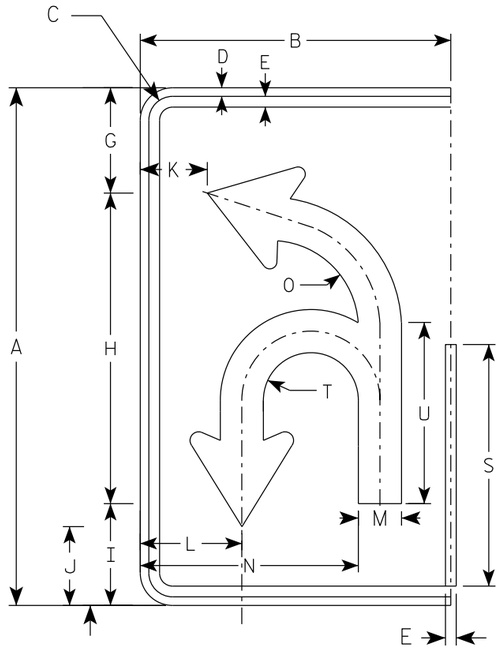
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

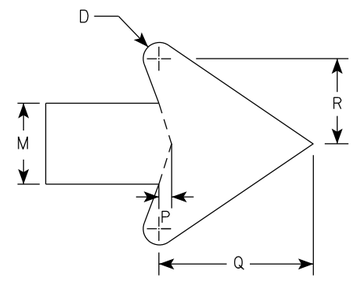
SHEET NO: 368 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

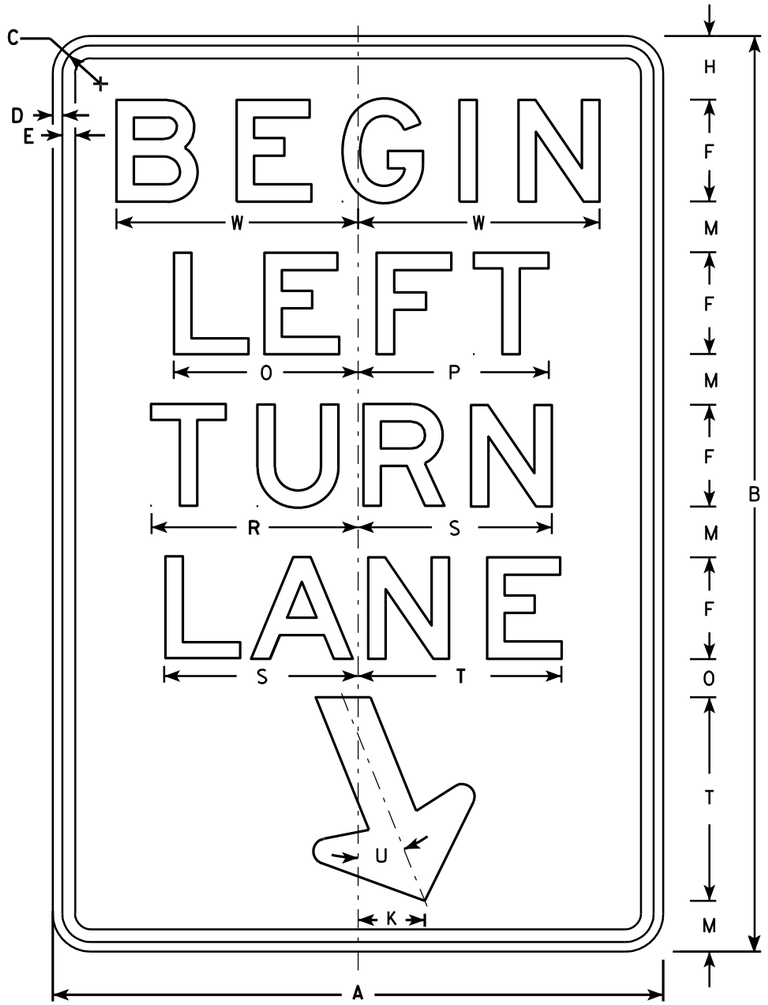
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

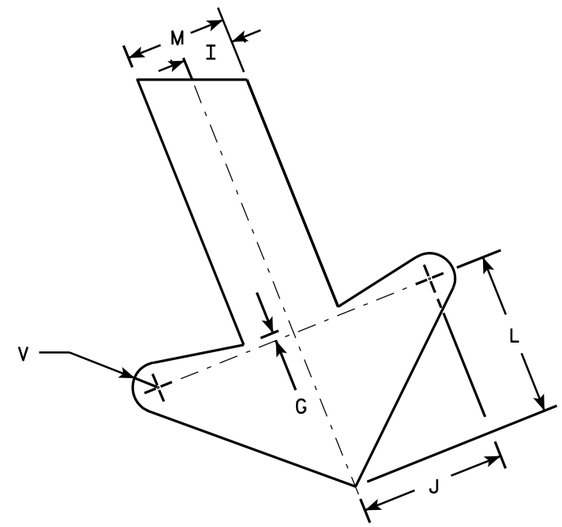
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 369 | E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

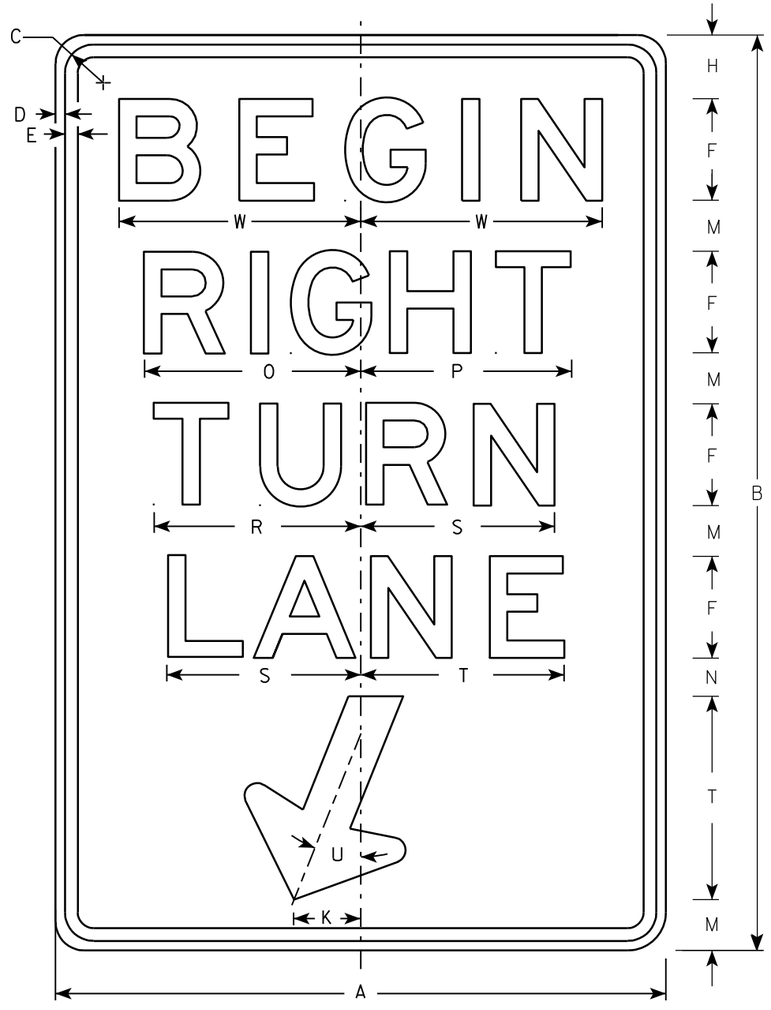
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

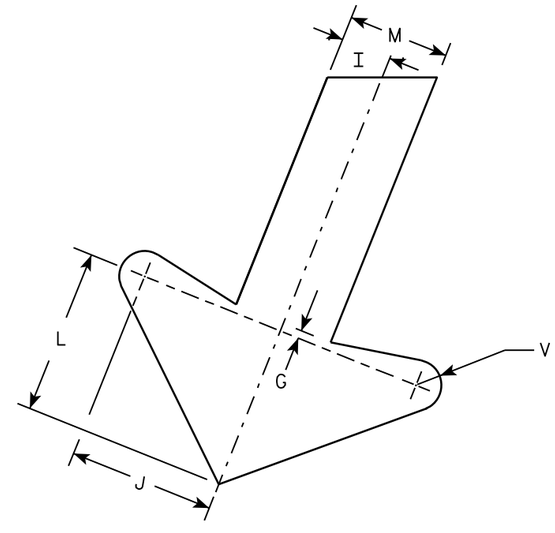
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 370 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

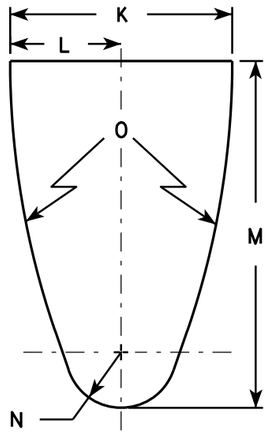
STANDARD SIGN
R3-20R

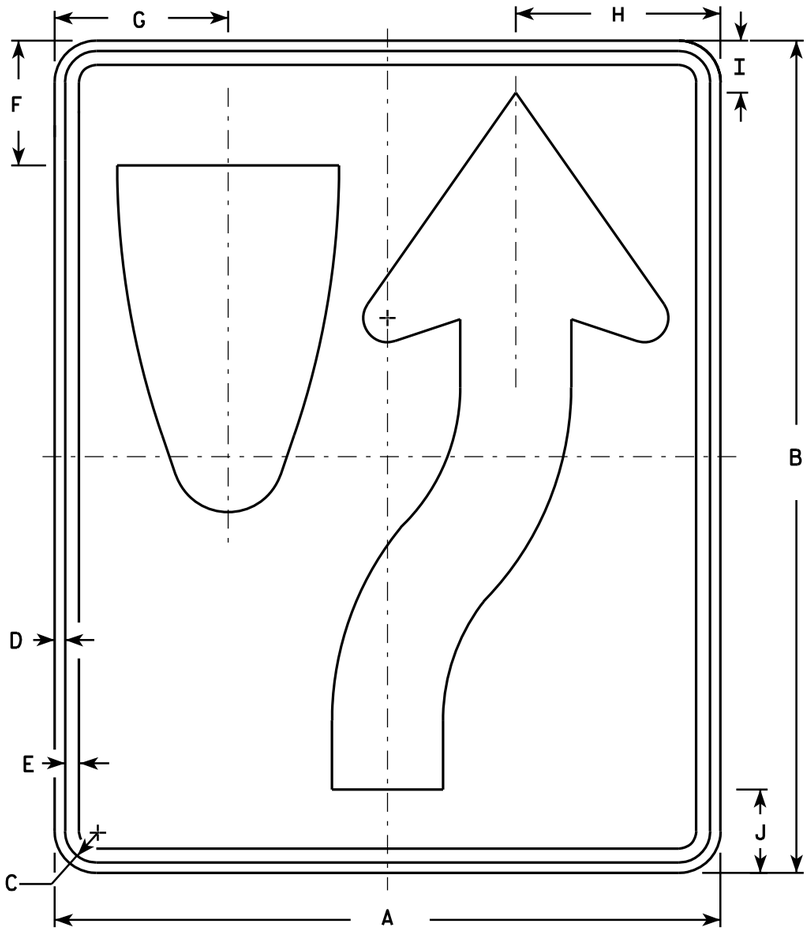
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 371 | E

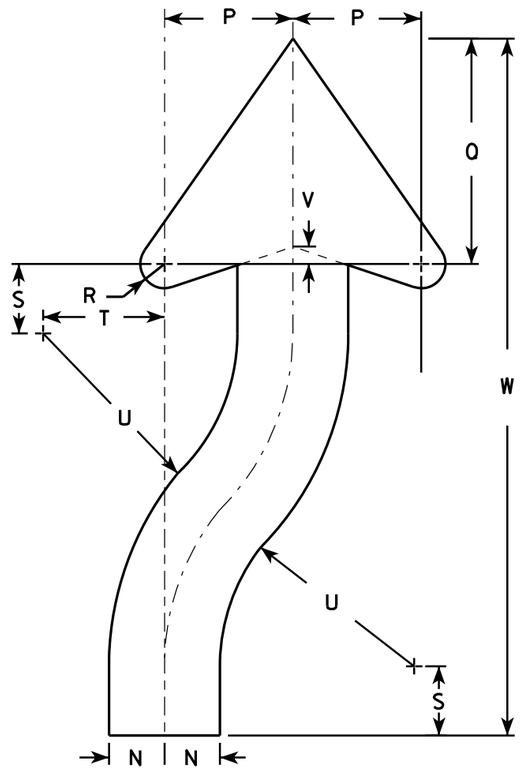




R4-7

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

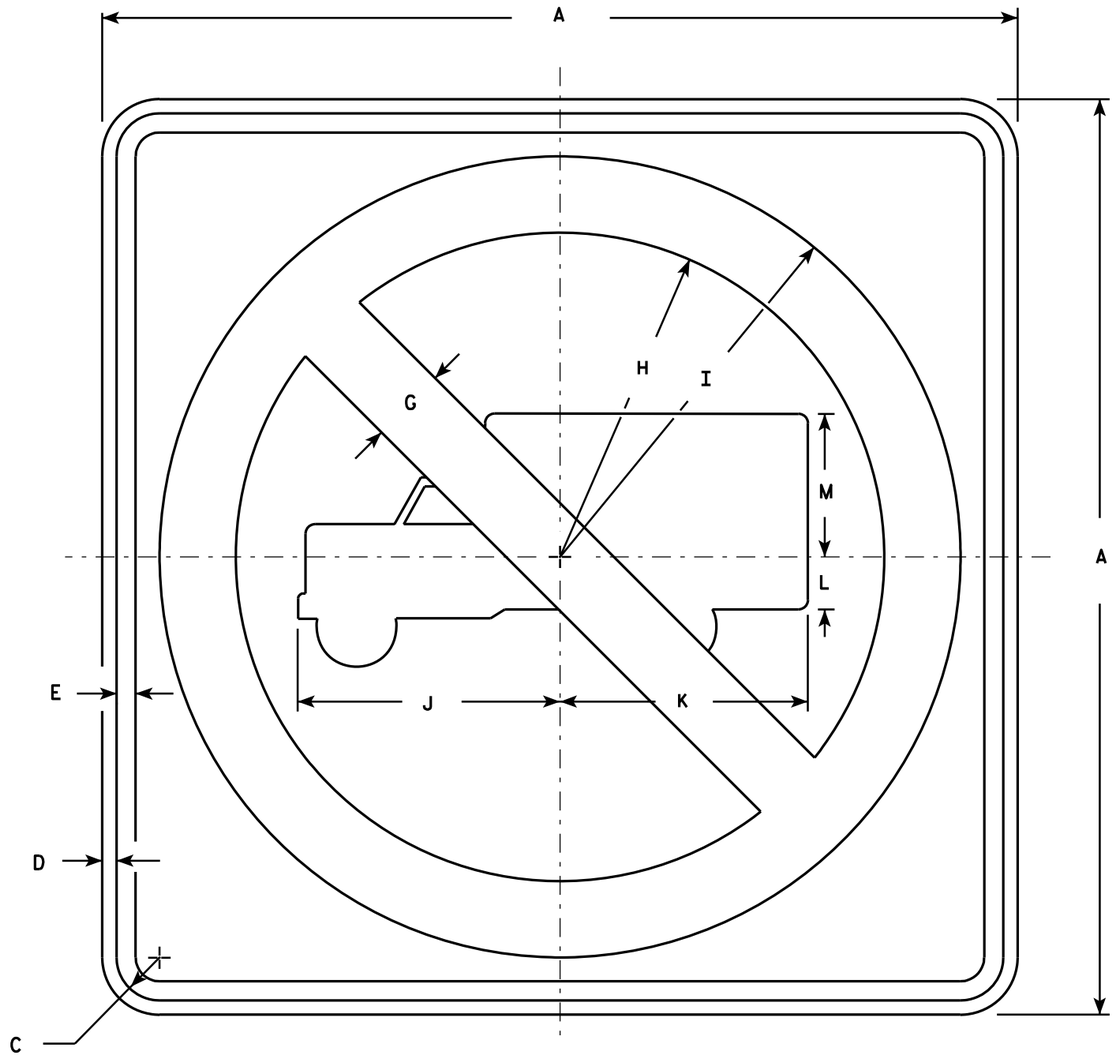
STANDARD SIGN
R4-7 & R4-8

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: 372	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

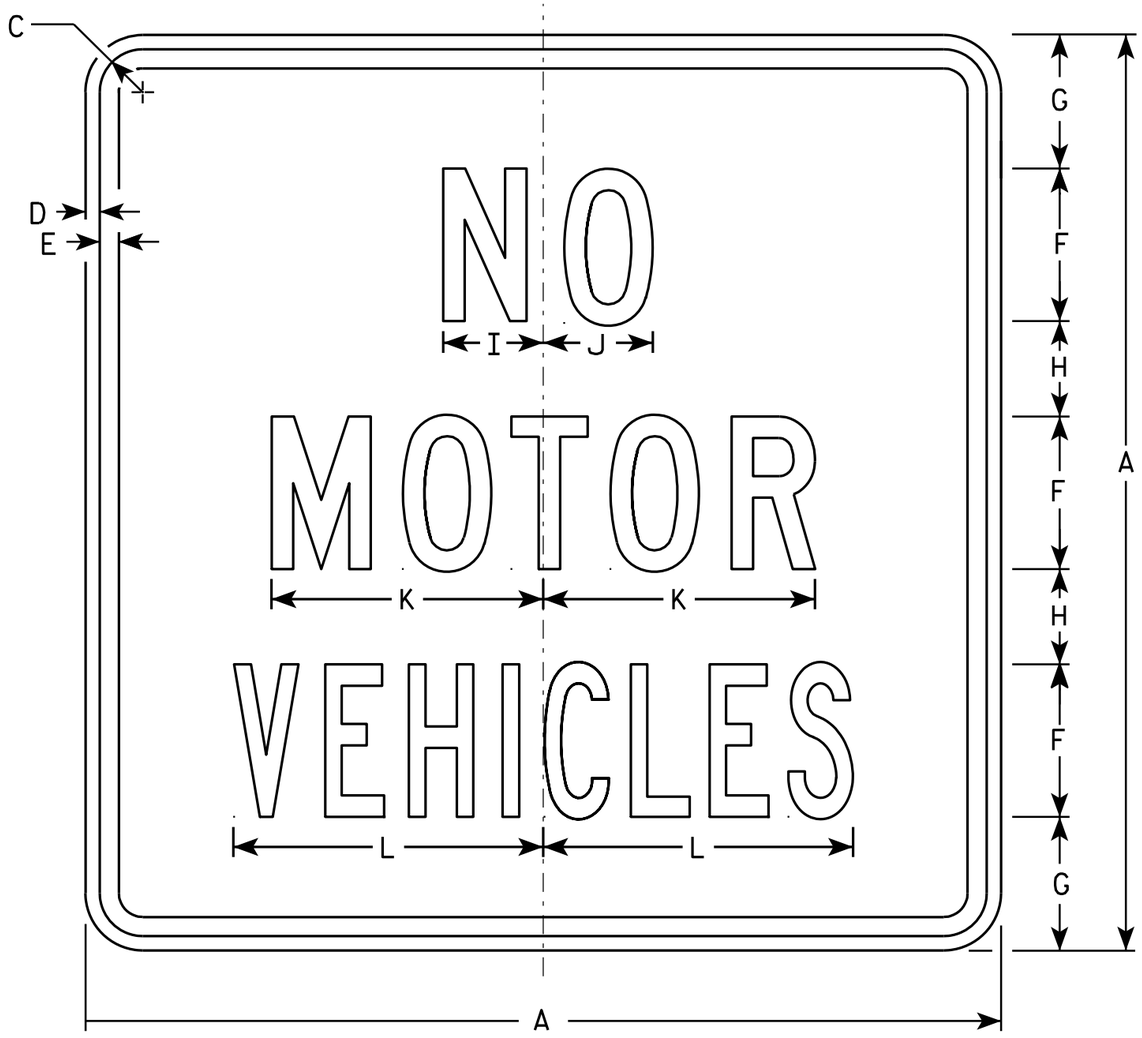
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 373	E

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



R5-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 & 2 are Series C.
   Line 3 is Series B.

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	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
3																											
4																											
5																											

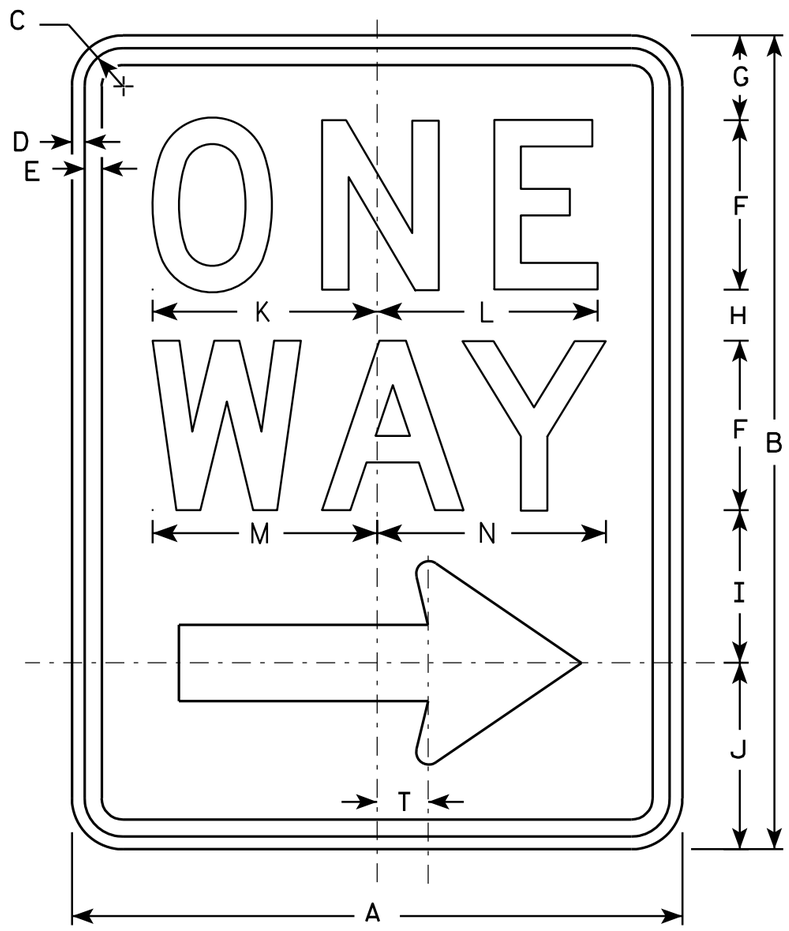
STANDARD SIGN
R5-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-3.2

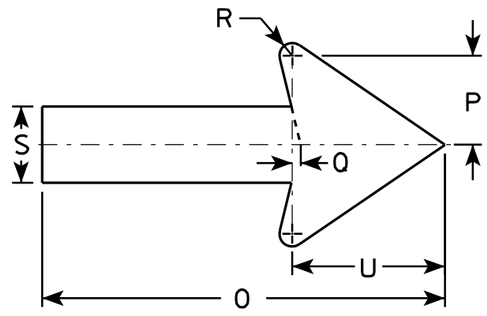
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 374 | E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

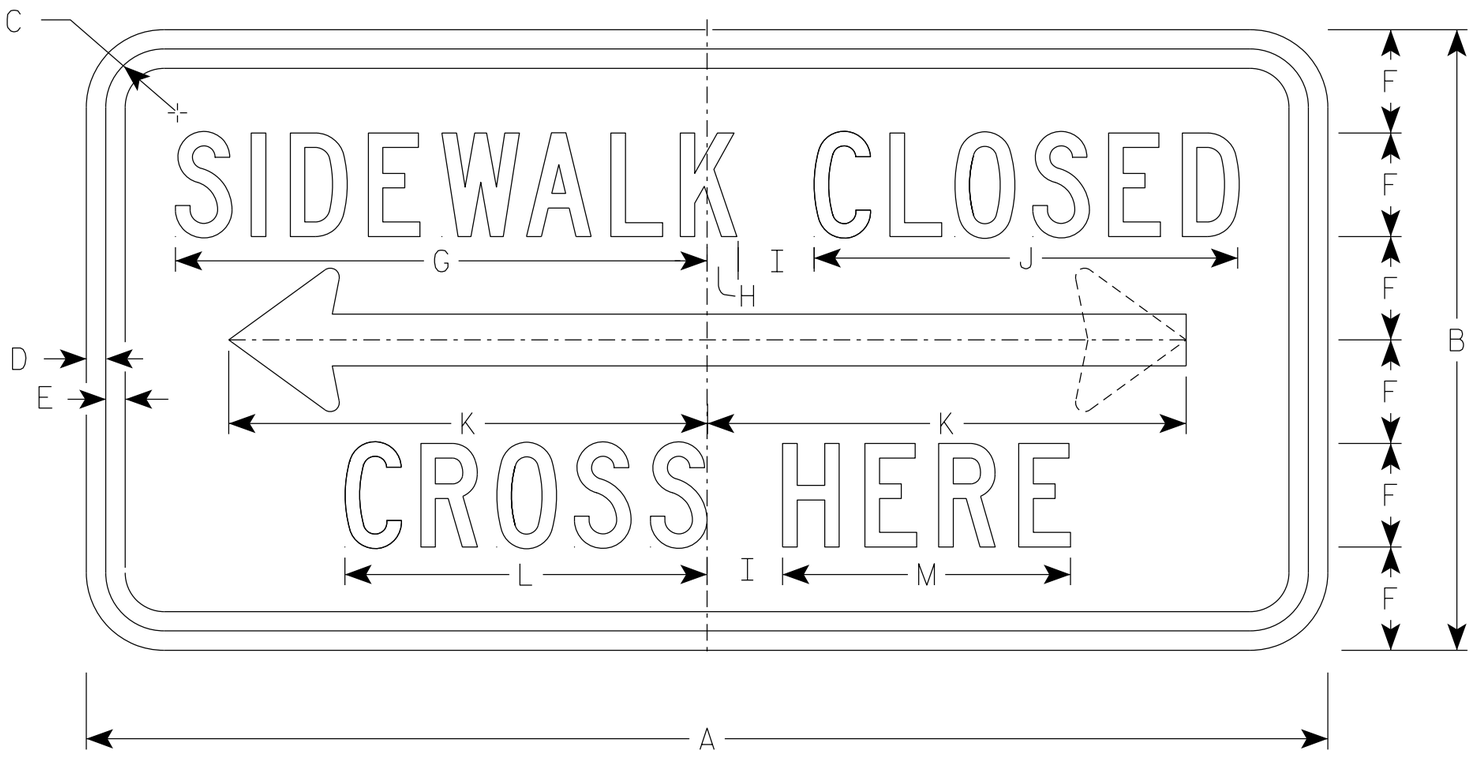
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

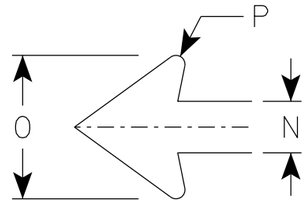
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 375	E



R9-11A

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. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.
6. R9-11AD (double arrow)
   R9-11AL (left arrow)
   R9-11AR (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

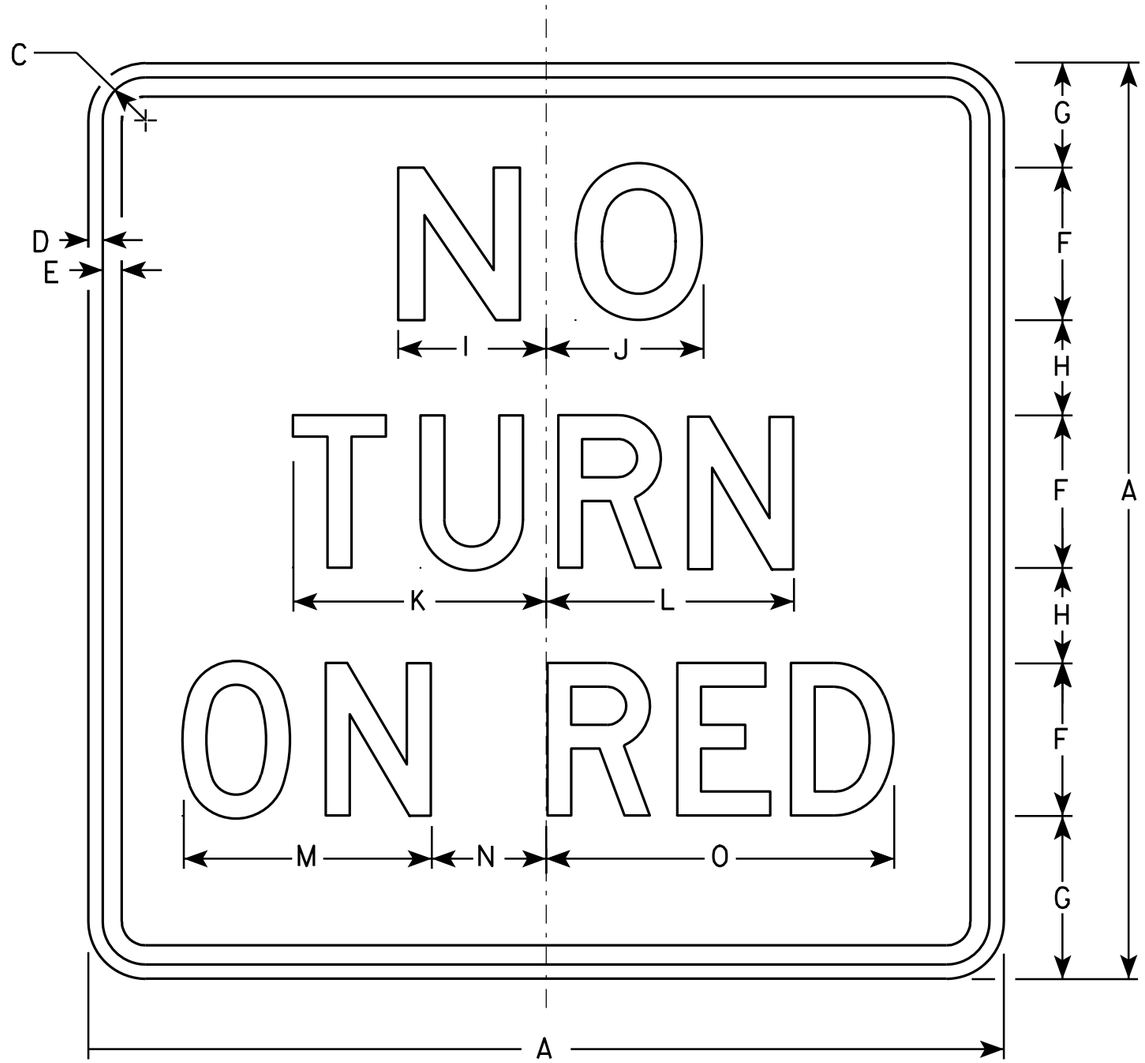
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 376 | E



R10-11B

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 - 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 E.
   Lines 2 and 3 are Series D.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8	3/8	3/8	3	2 3/4	1 3/4	3	3 1/8	5	4 7/8	5 1/4	1 7/8	7 1/8												2.25
2S	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
3	30		1 3/8	1/2	5/8	5	4 1/2	3	4 7/8	5 1/4	8 1/4	8 1/8	7 3/4	4 1/8	11 7/8												6.25
4																											
5																											

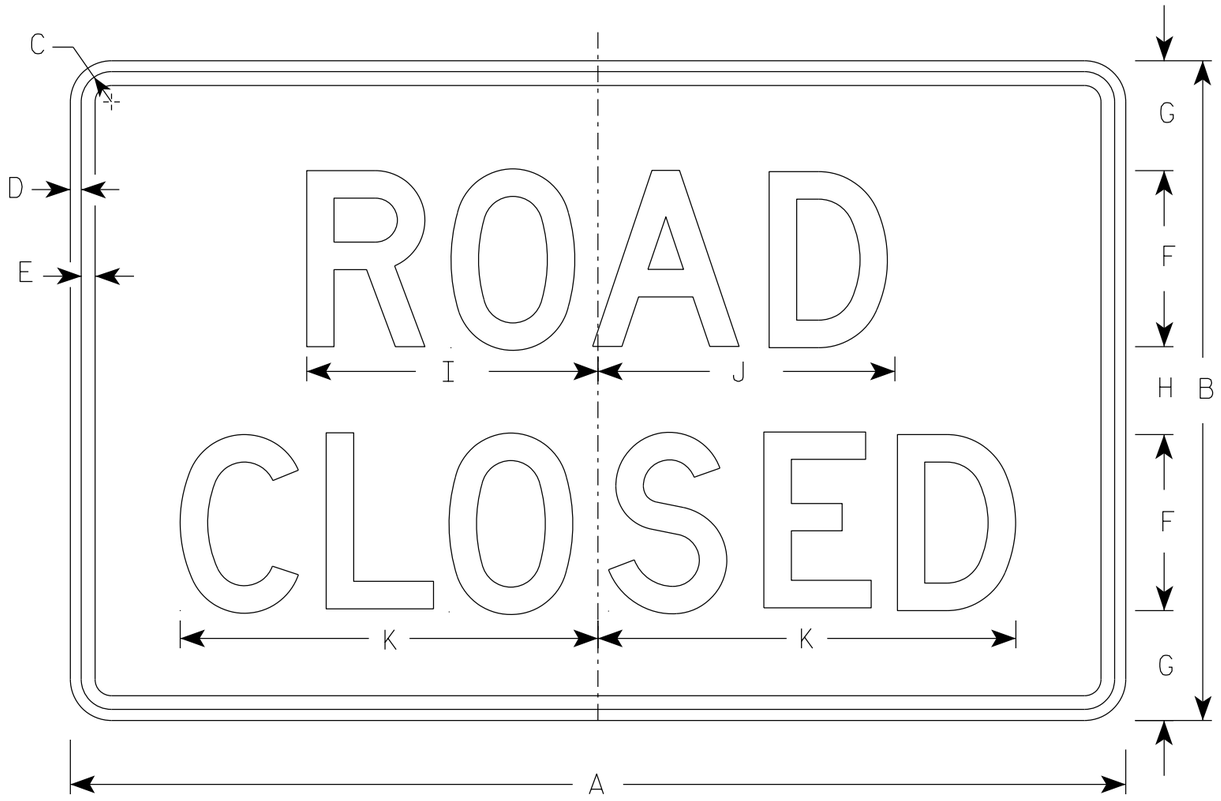
STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-11B.4

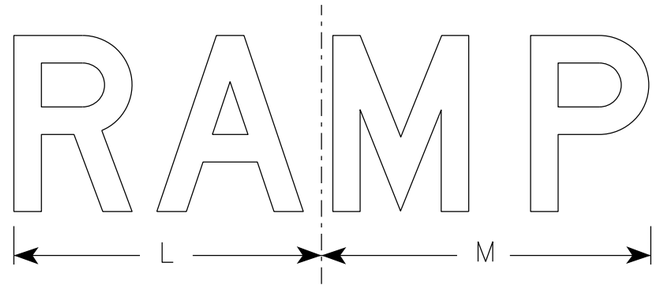
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 377 | E



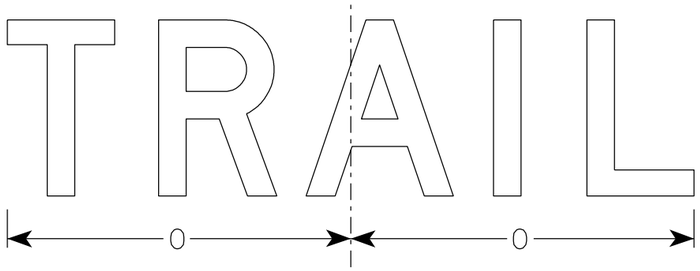
R11-2

NOTES

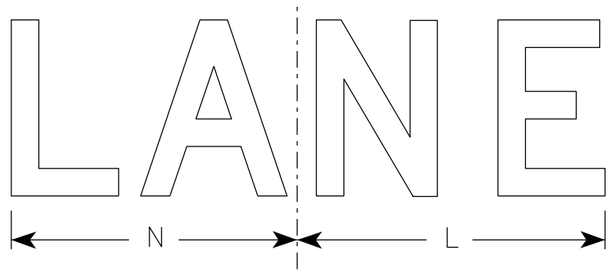
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

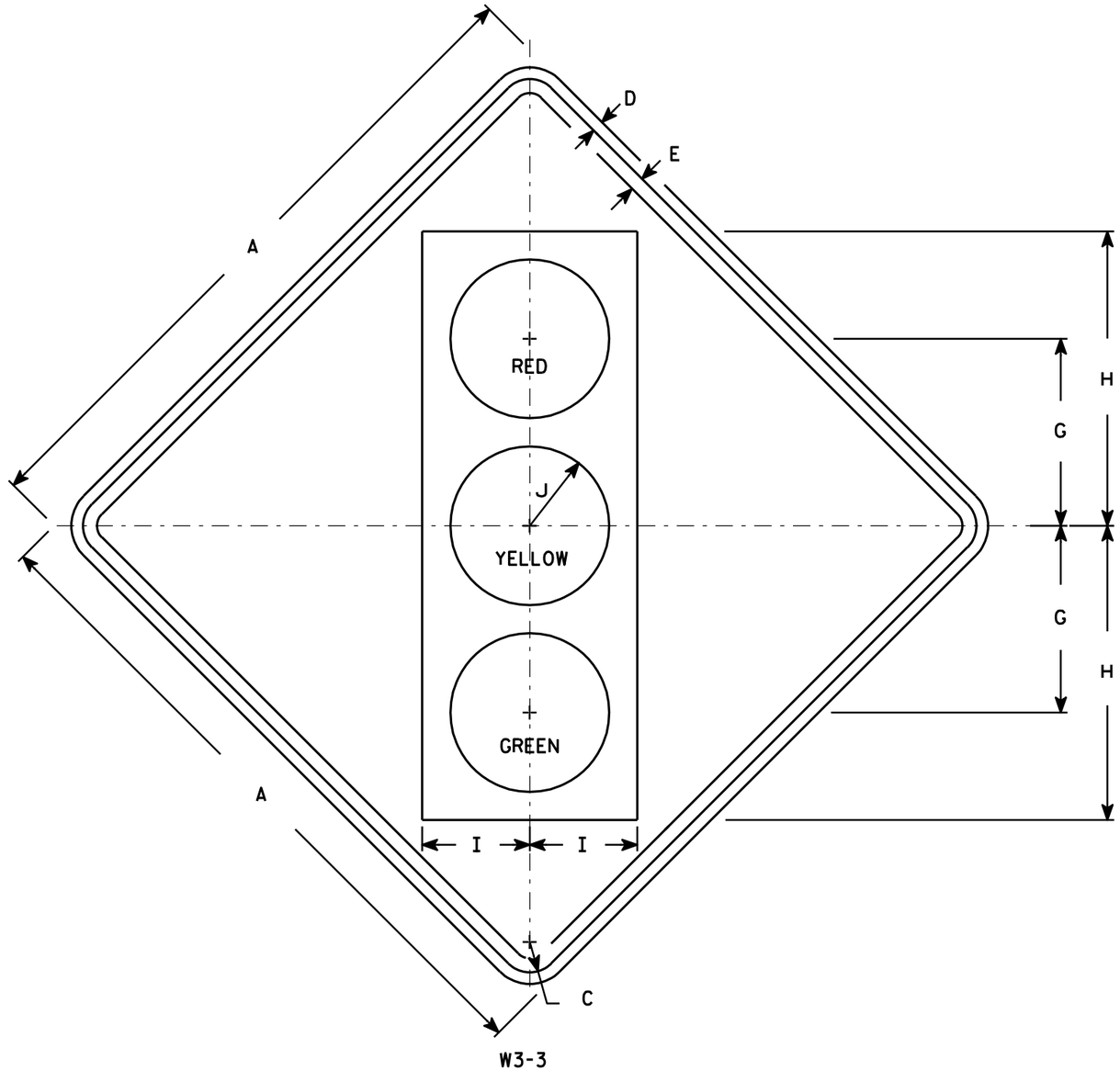
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 378 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

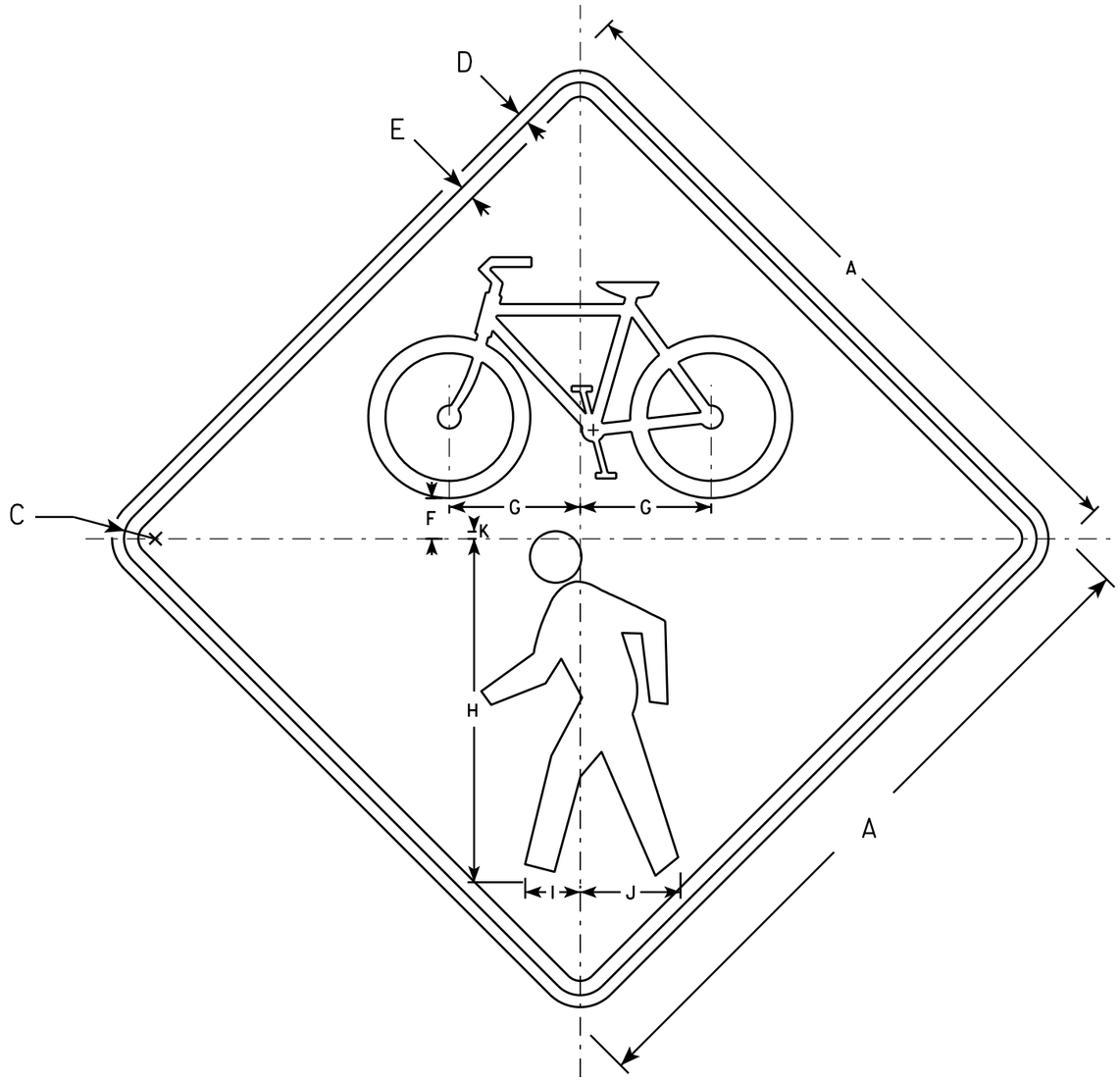
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 379 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000
WISDOT/CADDS SHEET 42



W11-15

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

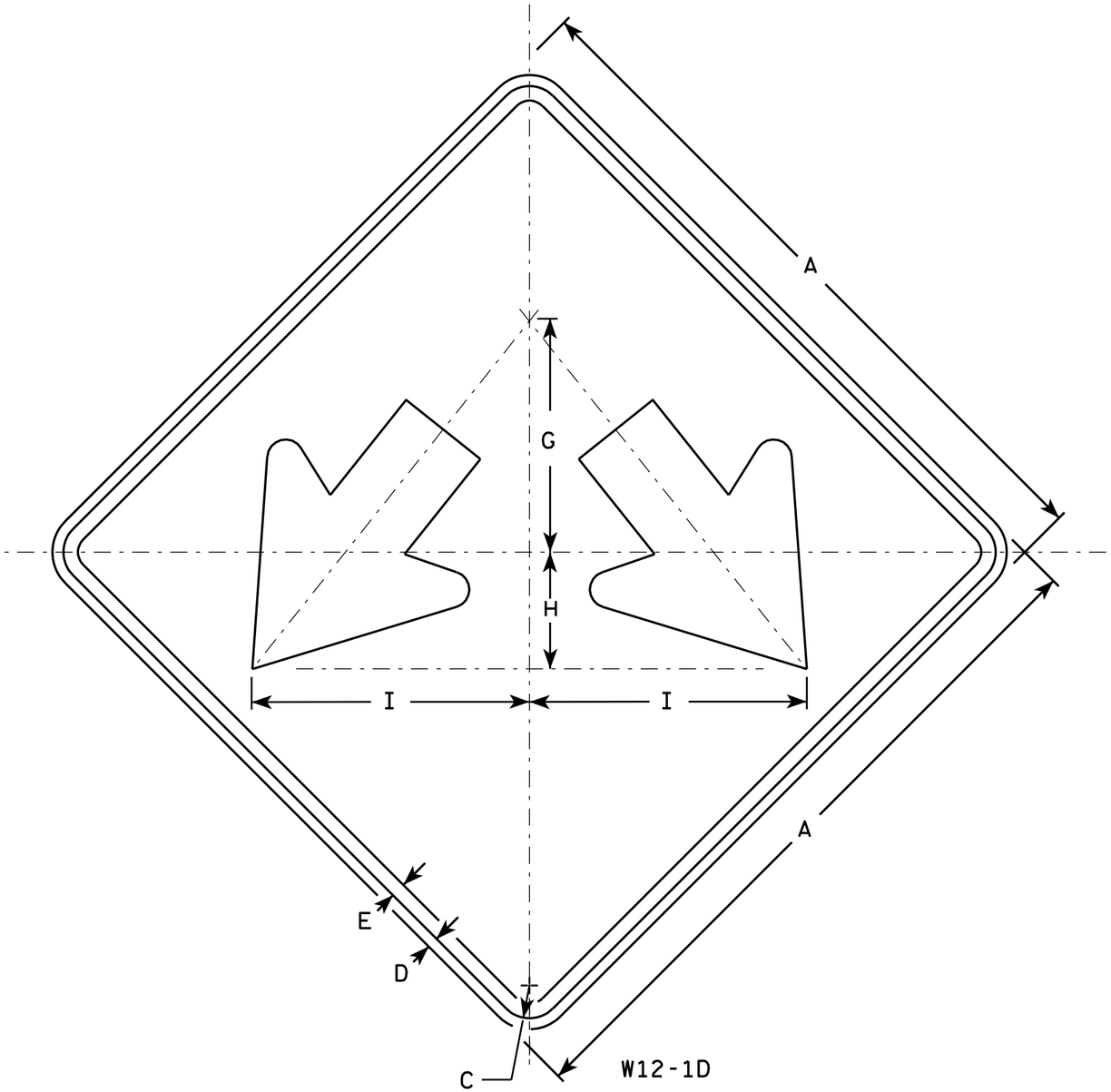
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE NO. W11-15.4

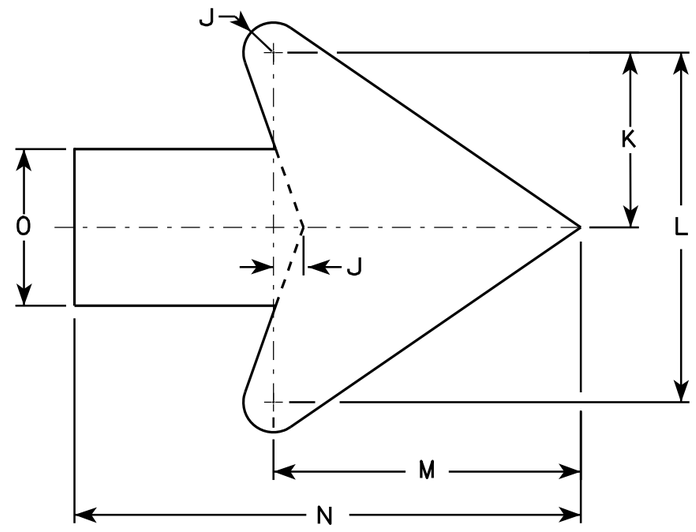
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W1115.DGN PLOT DATE : 13-FEB-2014 10:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

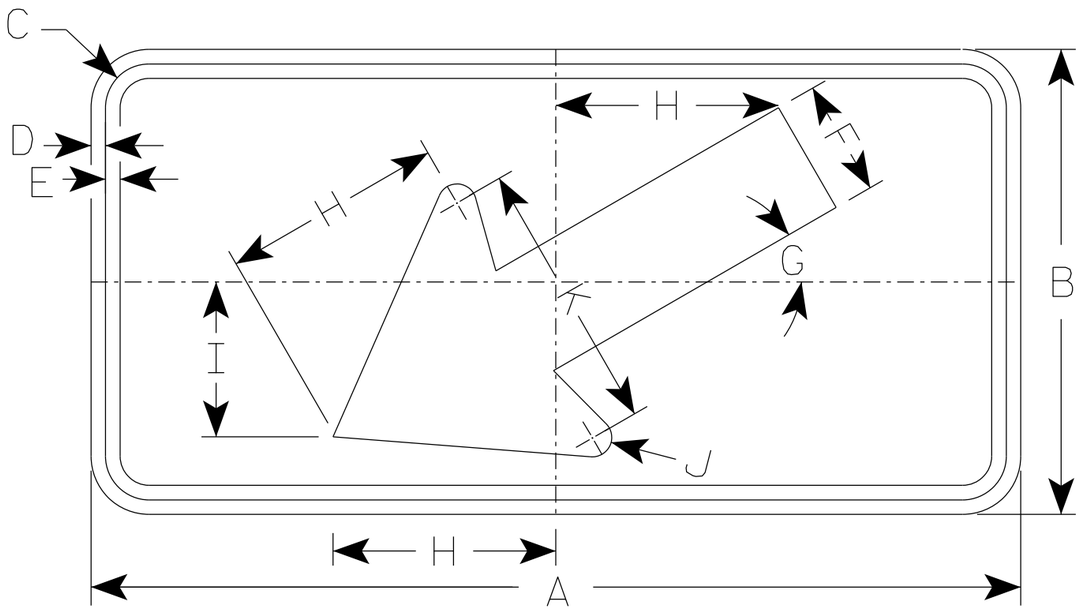
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 381	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W121D.DGN PLOT DATE : 13-MAR-2013 13:26 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.713802:1.000000

WISDOT/CADDS SHEET 42

7

7



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

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	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

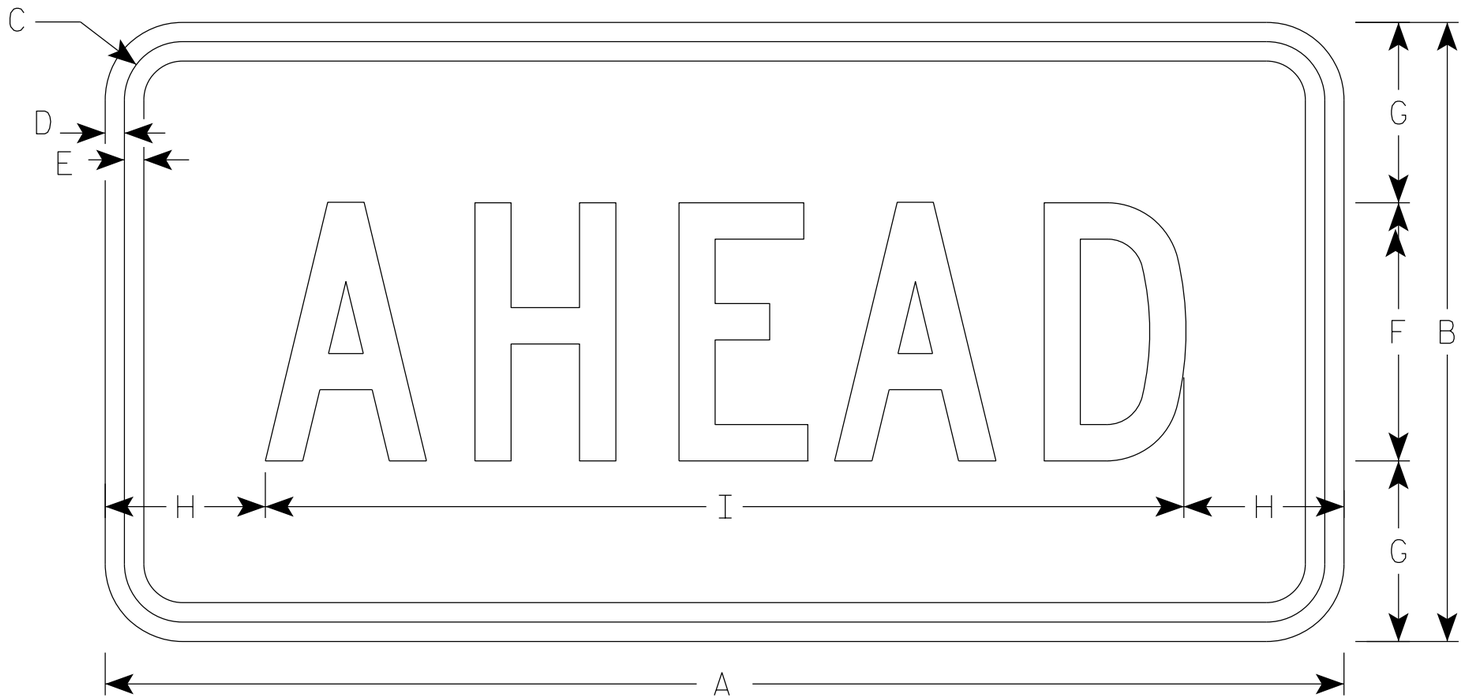
DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 382 E

7

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																											

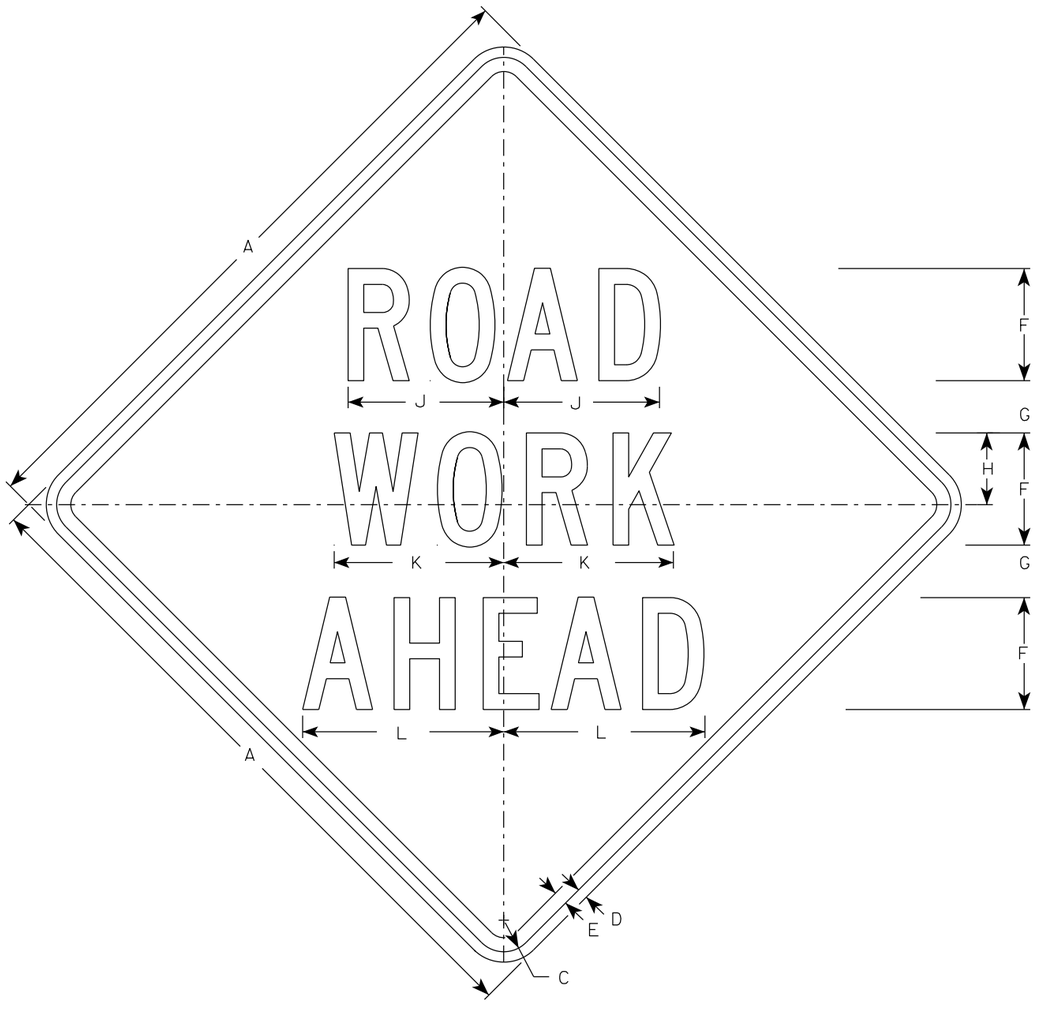
STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

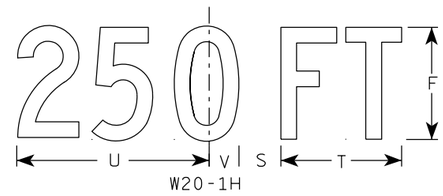
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/7/19 PLATE NO. W16-9P.7

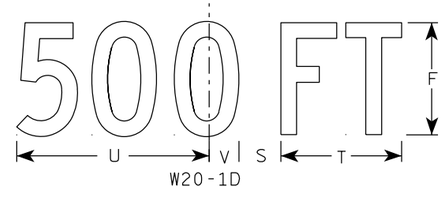
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 383 E



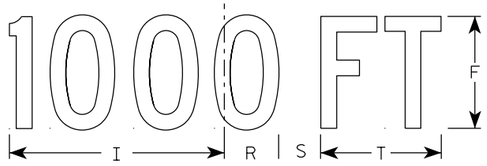
W20-1A



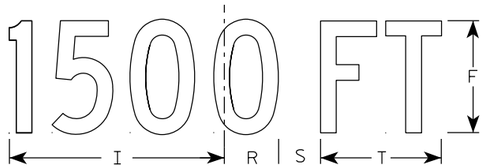
W20-1H



W20-1D



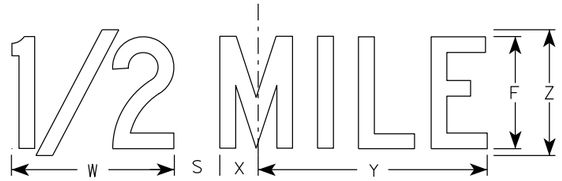
W20-1C



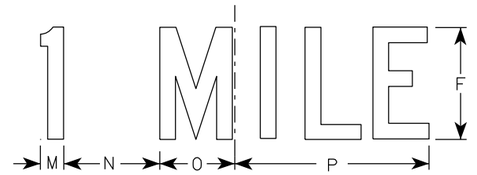
W20-1B

NOTES

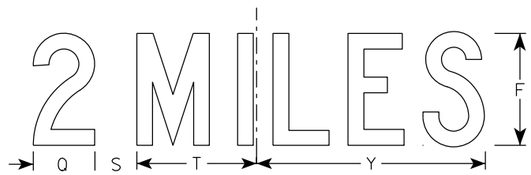
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

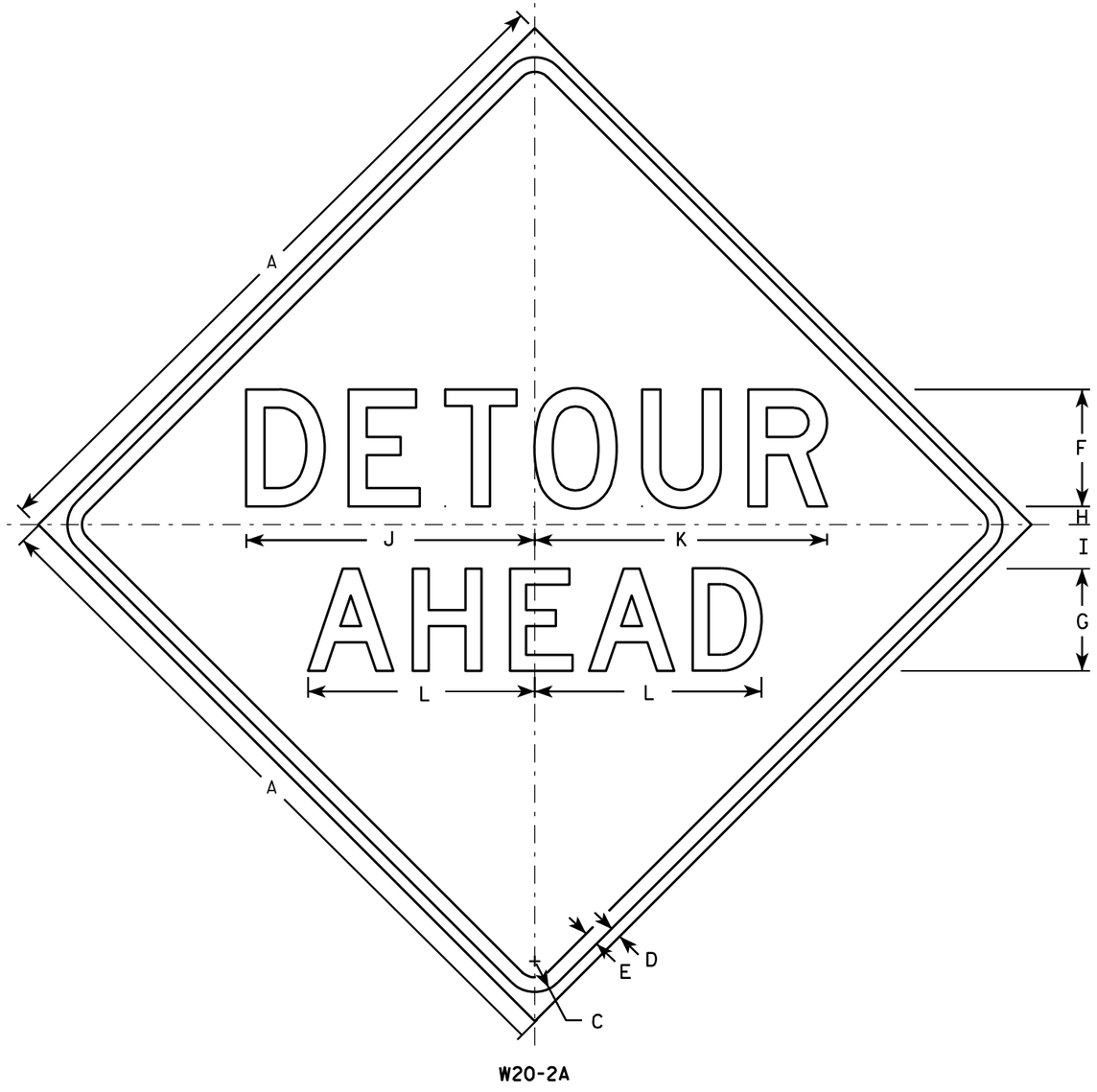
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

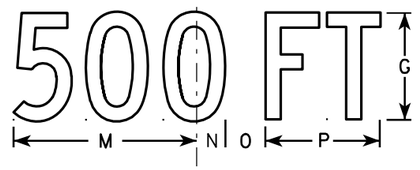
WISDOT/CADDS SHEET 42

7

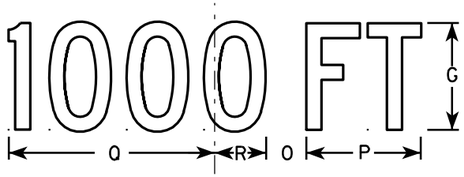
7



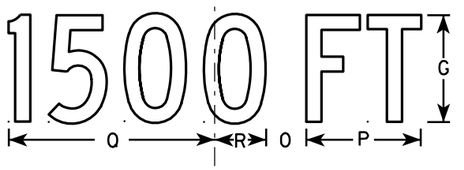
W20-2A



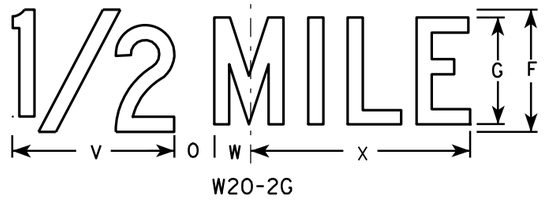
W20-2D



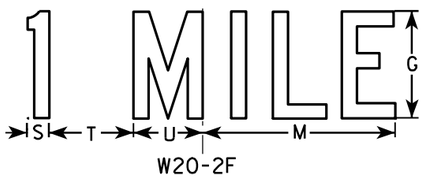
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

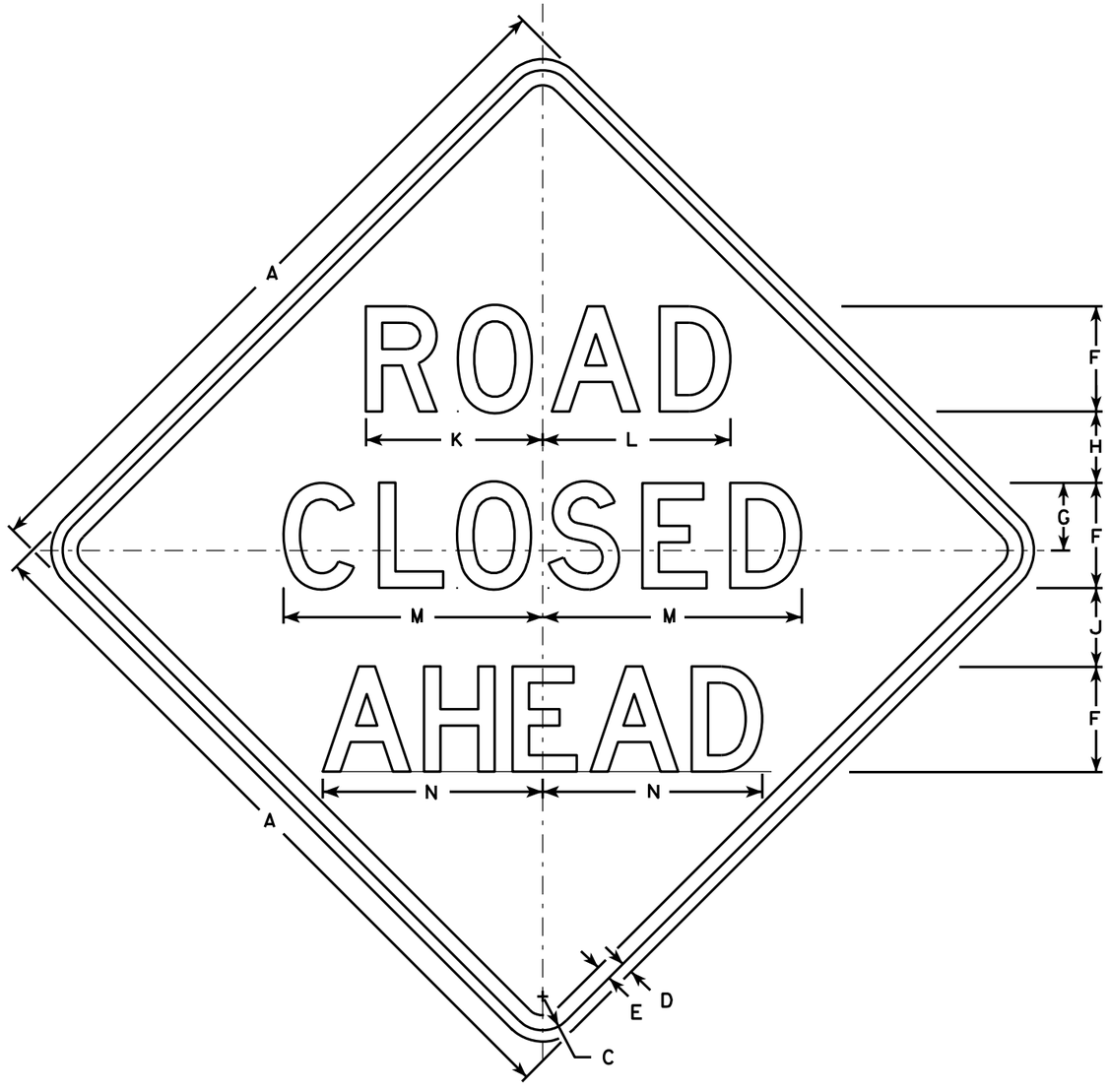
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

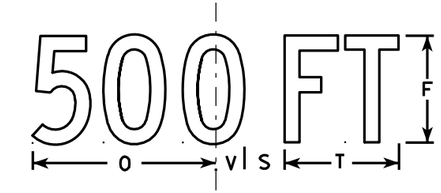
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

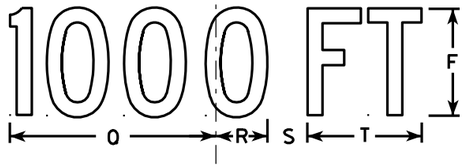
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 385	E



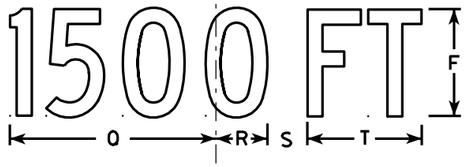
W20-3A



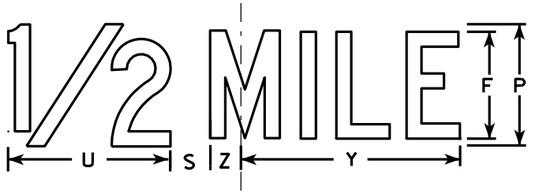
W20-3D



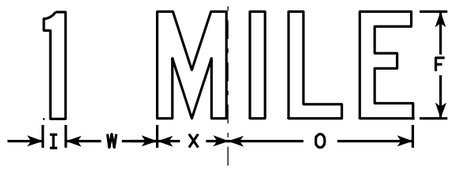
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

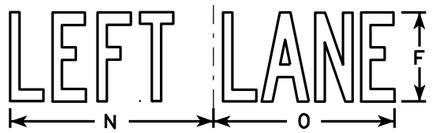
STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

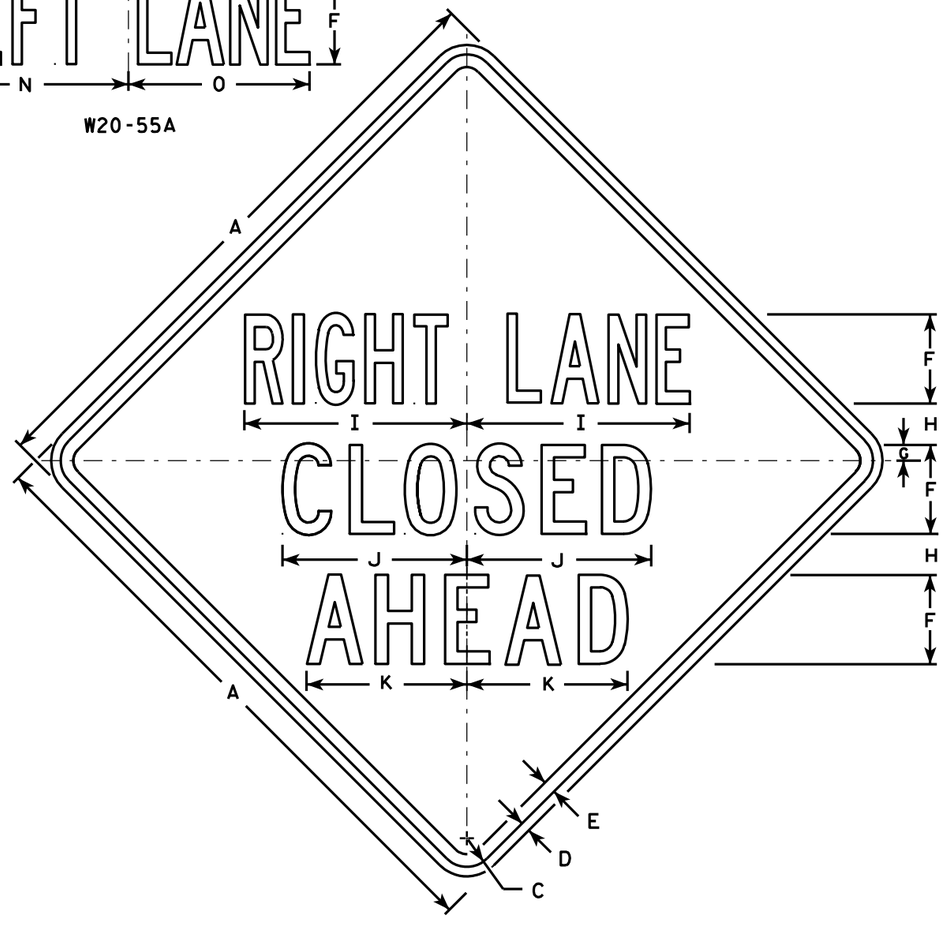
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 386 | E

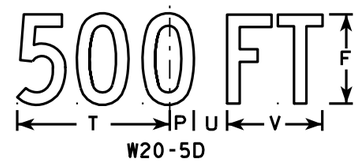
W20-56A



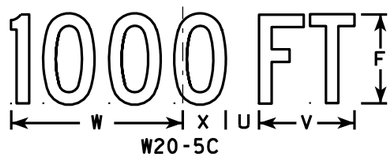
W20-55A



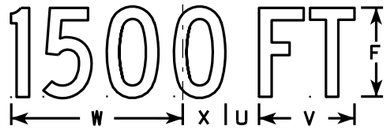
W20-5A



W20-5D



W20-5C



W20-5B

W20-5G

W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

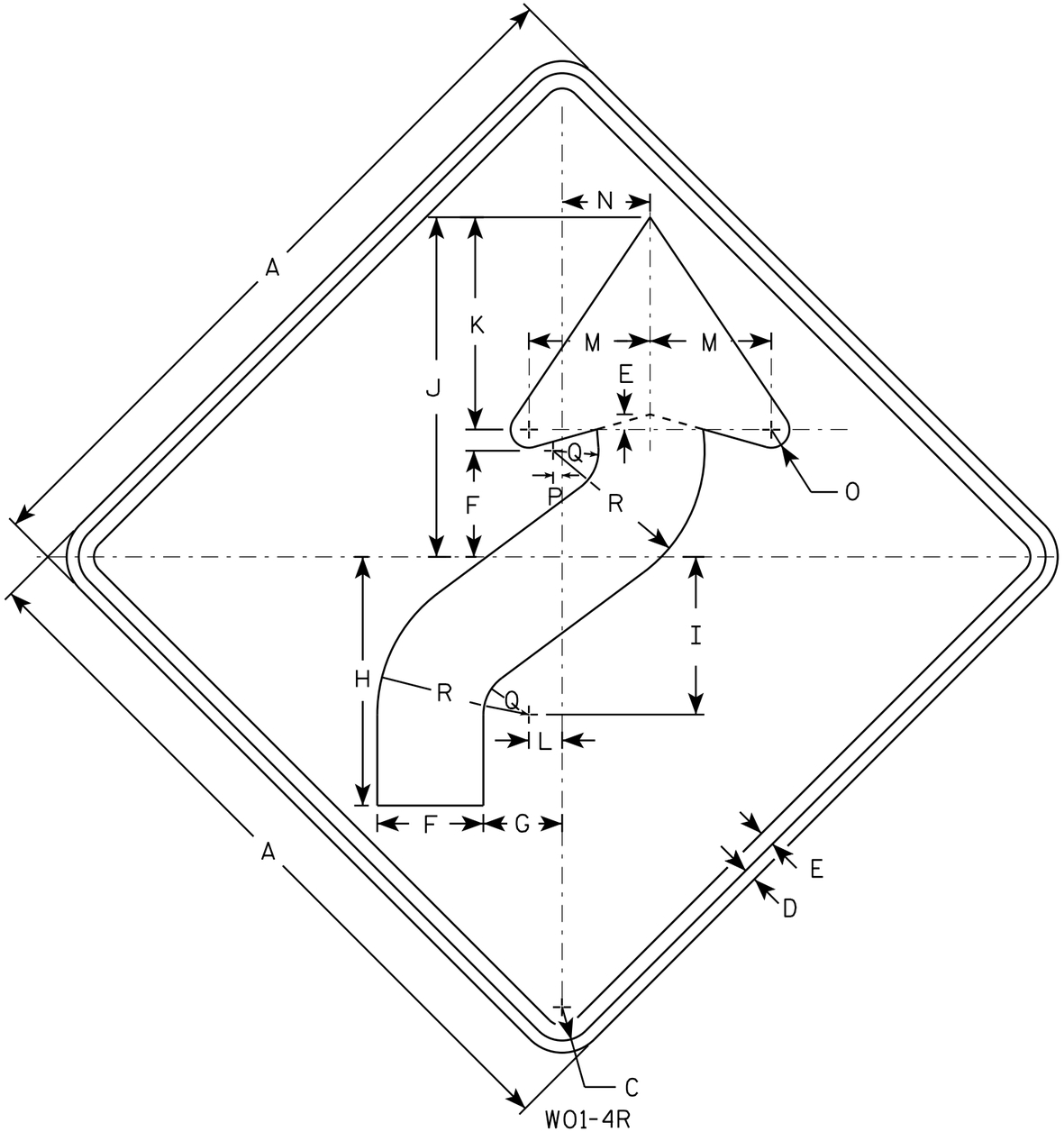
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 387 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

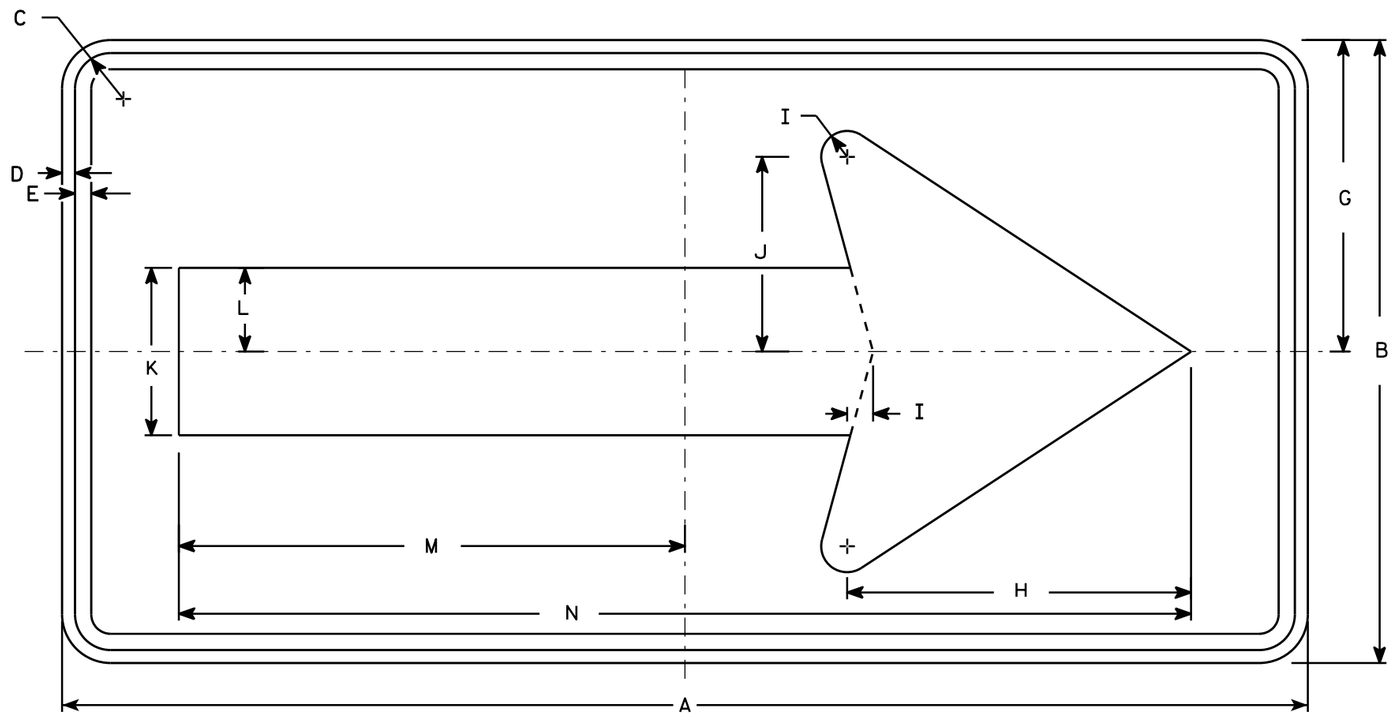
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

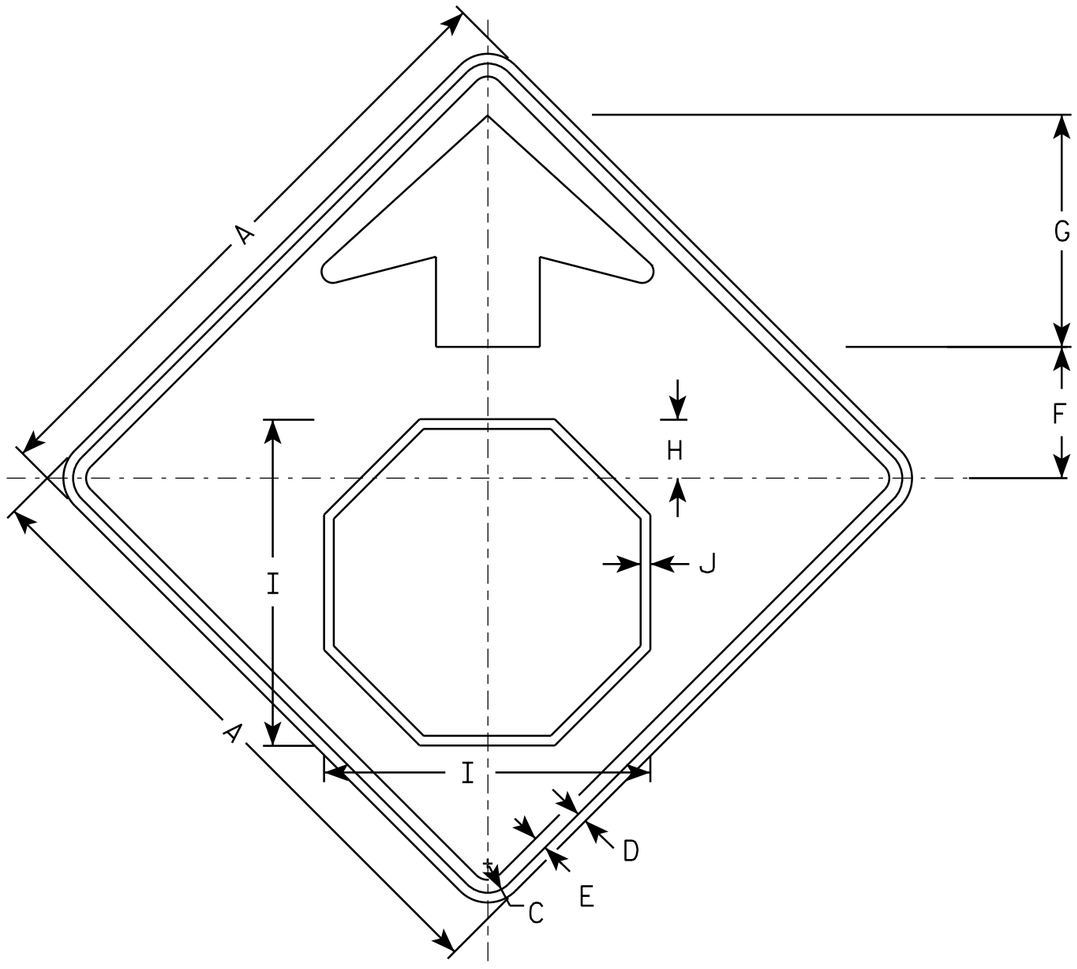
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

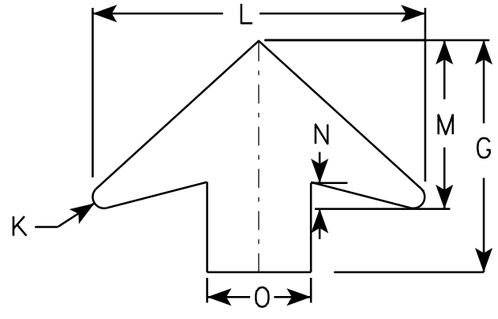
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

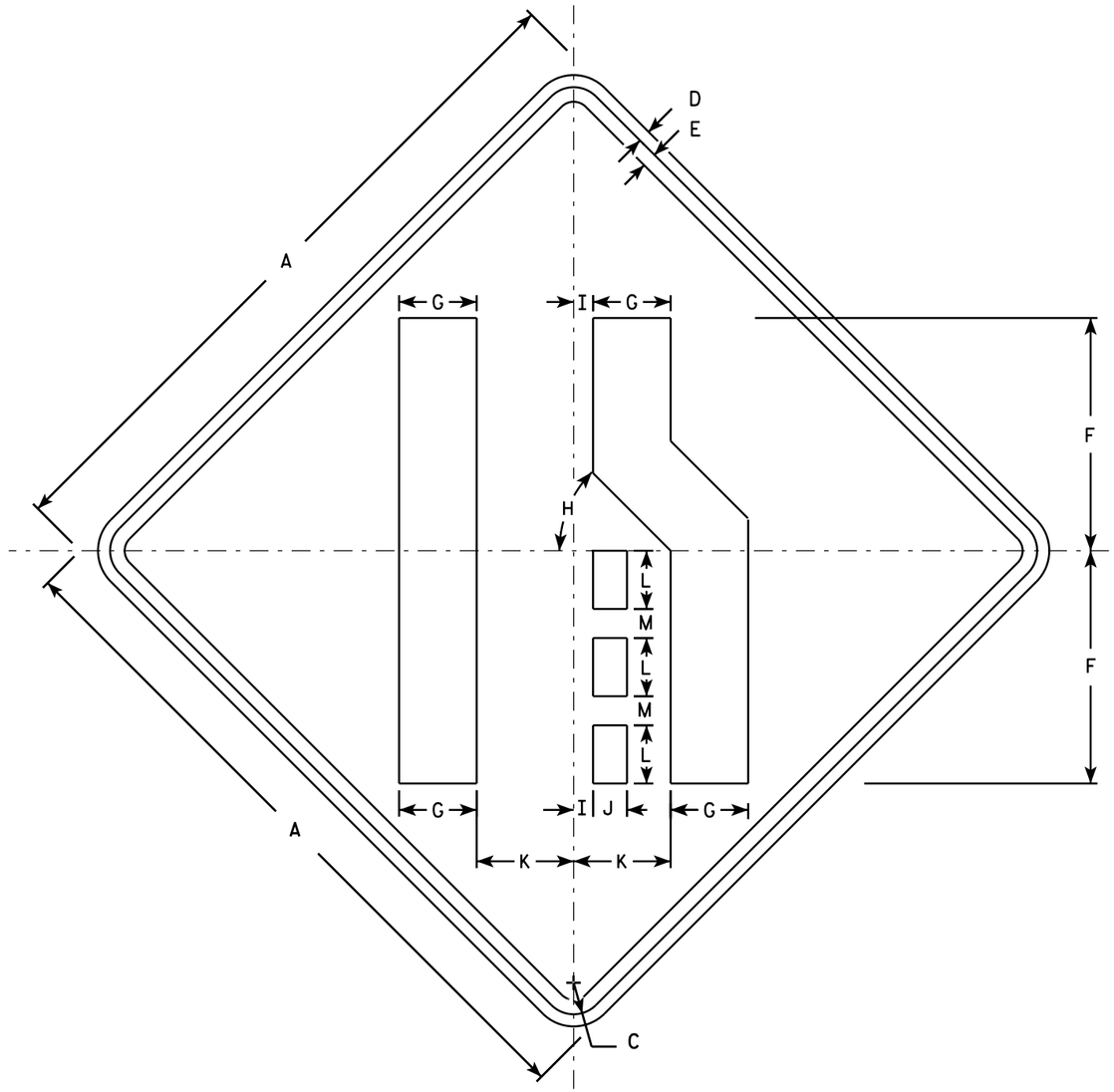
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 390 03-1.1

PROJECT NO: | SHEET NO: E

7 7



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

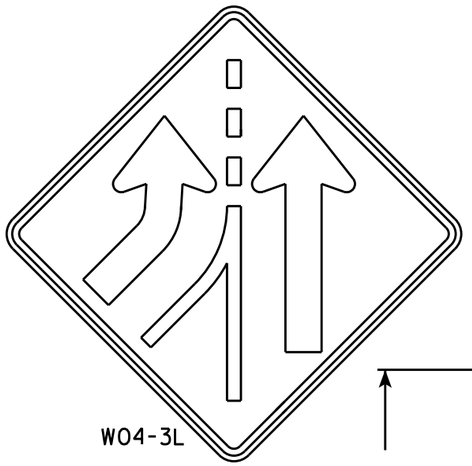
WISCONSIN DEPT OF TRANSPORTATION

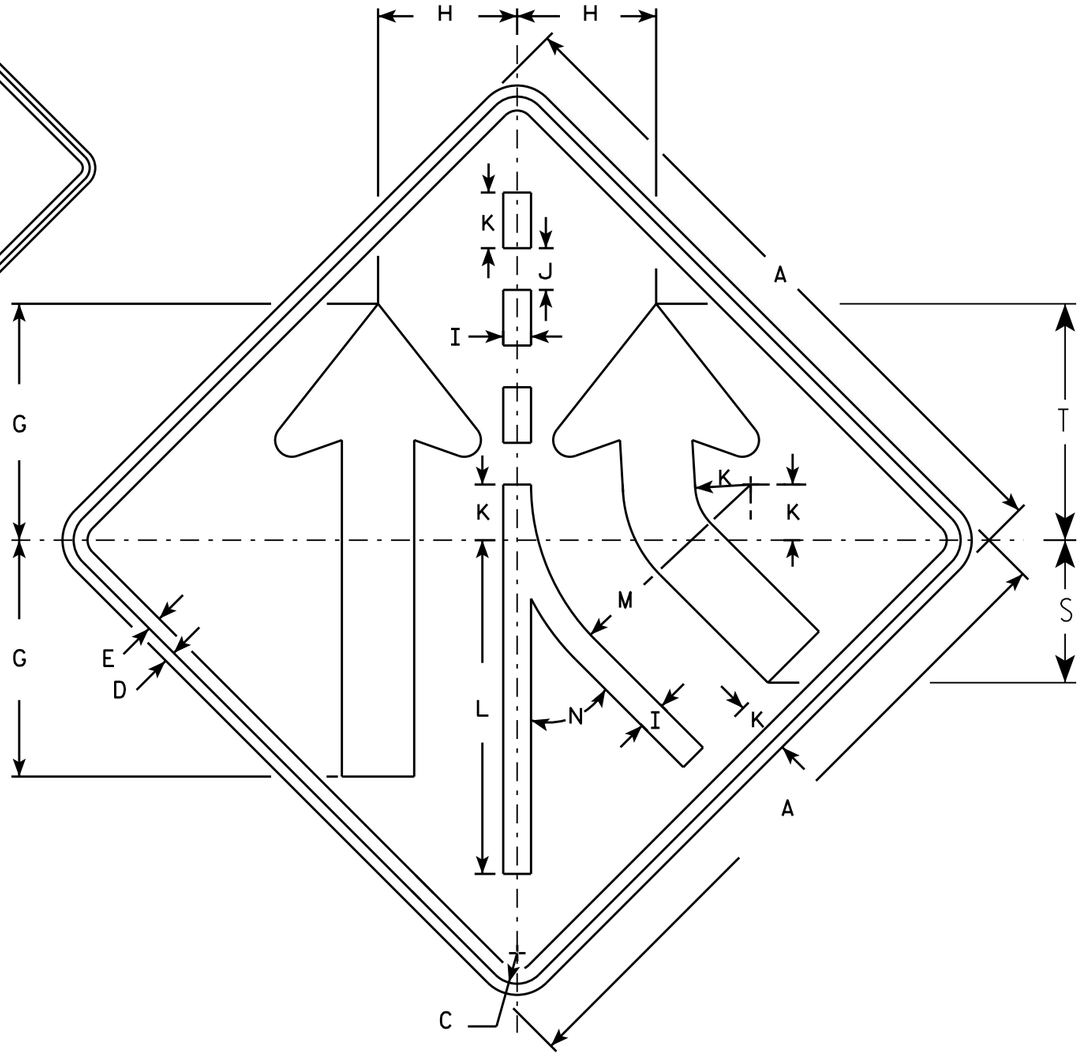
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 391 W04-2.1

PROJECT NO:

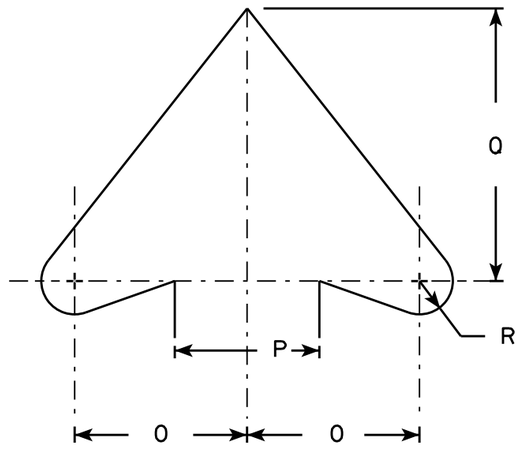
SHEET NO: E





NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-3 L is the same as W04-3 R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2S	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
2M	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
3	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN

W0433

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/20/13 PLATE W04-3.1

PROJECT NO:

SHEET NO: E

CTH TA

CATEGORY	REFERENCE LINE STATION	EXCAVATION DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010	115+60 BA, AH		161			0					
		40		243	243		0	1.3	0	0	242
	116+00		166			0					
		50		301	544		0	1.3	0	0	544
	116+50		159			0					
		50		275	819		0	1.3	0	0	819
	117+00		138			0					
		50		237	1,056		0	1.3	0	0	1,056
	117+50		119			0					
		50		222	1,278		0	1.3	0	0	1,278
	118+00		121			0					
		50		222	1,501		0	1.3	0	0	1,500
	118+50		119			0					
		50		222	1,722		0	1.3	0	0	1,722
	119+00		121			0					
		50		218	1,941		0	1.3	0	0	1,940
	119+50		115			0					
		50		211	2,152		3	1.3	3	4	2,148
	120+00		113			3					
		50		212	2,364		5	1.3	6	10	2,354
	120+50		116			2					
		50		215	2,579		4	1.3	6	16	2,563
	121+00		116			3					
		50		218	2,797		4	1.3	5	21	2,776
	121+50		119			2					
		50		219	3,016		3	1.3	5	25	2,991
	122+00		118			2					
		50		218	3,234		3	1.3	4	30	3,205
	122+50		118			2					
		50		222	3,456		2	1.3	3	33	3,424
	123+00		122			1					
		50		224	3,680		3	1.3	4	37	3,644
	123+50		120			2					
		50		227	3,907		2	1.3	2	39	3,868
	124+00		125			0					
		50		237	4,144		0	1.3	0	39	4,105
	124+50		130			0					
		50		238	4,382		0	1.3	0	39	4,343
	125+00		126			0					
		50		227	4,609		0	1.3	0	39	4,569
	125+50		119			0					
		50		214	4,823		0	1.3	1	40	4,783
	126+00		113			0					
		50		210	5,033		0	1.3	0	40	4,993
	126+50		115			0					
		50		215	5,248		0	1.3	0	40	5,208
	127+00		118			0					
		50		221	5,469		0	1.3	0	40	5,429
	127+50		121			0					
		50		228	5,697		0	1.3	0	40	5,657
	128+00		126			0					
		50		236	5,933		0	1.3	0	40	5,893
	128+50		129			0					
		50		238	6,171		0	1.3	0	40	6,131
	129+00		128			0					
		50		236	6,407		0	1.3	0	41	6,367
	129+50		127			0					
		50		237	6,645		0	1.3	0	41	6,604
	130+00		130			0					

9

9

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: EARTHWORK	SHEET 393	E

CTH TA

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		50		242	6,886		0	1.3	0	41	6,845
	130+50		131			0					
		50		236	7,122		0	1.3	0	41	7,081
	131+00		123			0					
		50		220	7,342		0	1.3	0	41	7,301
	131+50		114			0					
		50		209	7,551		0	1.3	0	42	7,509
	132+00		111			0					
		50		213	7,764		0	1.3	0	42	7,722
	132+50		119			0					
		50		223	7,987		0	1.3	0	42	7,945
	133+00		122			0					
		50		223	8,210		0	1.3	0	42	8,168
	133+50		120			0					
		50		218	8,428		0	1.3	0	42	8,386
	134+00		116			0					
		50		213	8,641		0	1.3	0	42	8,599
	134+50		114			0					
		50		218	8,859		0	1.3	0	43	8,816
	135+00		121			0					
		50		229	9,088		0	1.3	0	43	9,045
	135+50		126			0					
		50		240	9,328		0	1.3	0	43	9,285
	136+00		133			0					
		50		250	9,578		0	1.3	0	43	9,536
	136+50		137			0					
		50		273	9,851		0	1.3	0	43	9,808
	137+00		158			0					
		50		296	10,147		0	1.3	0	43	10,104
	137+50		162			0					
		50		300	10,446		0	1.3	0	43	10,404
	138+00		162			0					
		50		286	10,732		0	1.3	0	43	10,689
	138+50		147			0					
		50		277	11,009		0	1.3	0	43	10,966
	139+00		153			0					
		21		118	11,128		0	1.3	0	43	11,085
	139+21		151			0					
		29		160	11,288		0	1.3	0	43	11,245
	139+50		147			0					
		50		276	11,563		0	1.3	0	43	11,520
	140+00		151			0					
		50		267	11,830		0	1.3	0	44	11,786
	140+50		137			0					
		50		245	12,075		0	1.3	0	44	12,031
	141+00		127			0					
		50		221	12,296		0	1.3	0	44	12,252
	141+50		112			0					
		50		205	12,501		0	1.3	1	44	12,457
	142+00		110			0					
		50		203	12,704		1	1.3	1	45	12,659
	142+50		110			0					
		50		204	12,908		0	1.3	1	46	12,862
	143+00		110			0					
		50		203	13,111		0	1.3	1	46	13,065
	143+50		109			0					
		50		204	13,315		0	1.3	0	46	13,268
	144+00		111			0					
		50		204	13,518		0	1.3	0	47	13,472
	144+50		109			0					

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CTH TA

CATEGORY	REFERENCE LINE STATION	EXCAVATION DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		50		203	13,721		0	1.3	0	47	13,674
	145+00		110			0					
		50		211	13,932		0	1.3	0	48	13,885
	145+50		118			0					
		50		231	14,163		0	1.3	0	48	14,115
	146+00		131			0					
		50		245	14,408		0	1.3	0	48	14,360
	146+50		133			0					
		50		241	14,649		0	1.3	1	49	14,600
	147+00		127			0					
		50		234	14,882		1	1.3	1	50	14,833
	147+50		125			0					
		31		148	15,030		0	1.3	1	50	14,980
	147+81		128			0					
		5		22	15,052		1	1.3	1	51	15,001
	147+86		114			6					
	TOTAL				15,052		39			51	15,001

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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: EARTHWORK	SHEET 395	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090101_EW.DWG
LAYOUT NAME - 090103_ew

PLOT DATE : 8/1/2023 11:24 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CTH TA

CATEGORY	REFERENCE LINE STATION	EXCAVATION DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010	153+35 BA, AH		118			2					
		24		109	109		1	1.3	2	2	107
	153+60		124			1					
		40		193	302		2	1.3	2	4	298
	154+00		134			1					
		10		53	354		0	1.3	1	5	350
	154+10		139			1					
		25		132	487		0	1.3	1	5	481
	154+35		147			0					
		15		80	567		0	1.3	0	5	562
	154+50		151			0					
		10		58	625		0	1.3	0	5	620
	154+60		150			0					
		2		11	636		0	1.3	0	5	630
	154+62		149			0					
		25		134	770		0	1.3	0	5	764
	154+87		141			0					
		13		65	835		0	1.3	0	5	830
	155+00		137			0					
		12		62	897		0	1.3	0	5	891
	155+12		133			0					
		38		181	1,077		0	1.3	0	6	1,072
	155+50		126			0					
		50		230	1,307		1	1.3	1	7	1,300
	156+00		122			1					
		50		227	1,534		1	1.3	1	8	1,526
	156+50		123			0					
		50		231	1,765		0	1.3	0	8	1,757
	157+00		126			0					
		50		232	1,996		0	1.3	0	8	1,988
	157+50		124			0					
		13		60	2,056		0	1.3	0	8	2,048
	157+63		125			0					
		25		116	2,172		0	1.3	0	9	2,163
	157+88		125			0					
		12		55	2,227		0	1.3	0	9	2,218
	158+00		123			0					
		13		59	2,286		0	1.3	0	9	2,277
	158+13		123			0					
		37		173	2,459		0	1.3	0	9	2,450
	158+50		129			0					
		50		241	2,700		0	1.3	0	9	2,691
	159+00		131			0					
		36		174	2,874		1	1.3	1	10	2,864
	159+36		128			1					
		159		782	3,656		4	1.3	5	16	3,640
	160+95		137			0					
		5		23	3,679		0	1.3	0	16	3,663
	161+00		126			0					
		50		233	3,912		0	1.3	0	16	3,896
	161+50		126			0					
		36		161	4,074		0	1.3	0	16	4,057
	161+86		119			0					
		14		62	4,136		0	1.3	0	16	4,120
	162+00		116			0					
		11		46	4,182		0	1.3	0	16	4,165
	162+11		116			0					
		6		24	4,206		0	1.3	0	16	4,189
	162+16		116			0					

CTH TA

CATEGORY	REFERENCE LINE STATION	EXCAVATION DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		19		85	4,290		0	1.3	0	17	4,274
	162+36		119			0					
		6		25	4,315		0	1.3	0	17	4,298
	162+41		121			0					
		9		39	4,354		0	1.3	0	17	4,338
	162+50		120			0					
		16		73	4,427		0	1.3	0	17	4,411
	162+66		123			0					
		34		152	4,580		0	1.3	0	17	4,563
	163+00		120			0					
		50		222	4,802		0	1.3	0	17	4,785
	163+50		120			0					
		50		222	5,024		0	1.3	0	17	5,007
	164+00		120			0					
		50		218	5,242		0	1.3	0	17	5,225
	164+50		116			0					
		50		214	5,456		1	1.3	2	19	5,438
	165+00		115			1					
		50		219	5,675		3	1.3	3	22	5,653
	165+50		121			2					
		50		241	5,916		2	1.3	2	25	5,892
	166+00		139			0					
		50		275	6,191		0	1.3	1	25	6,166
	166+50		157			0					
		50		296	6,487		0	1.3	0	25	6,462
	167+00		162			0					
		50		299	6,787		0	1.3	0	25	6,761
	167+50		161			0					
		50		287	7,074		0	1.3	0	26	7,048
	168+00		149			0					
		50		272	7,345		0	1.3	0	26	7,319
	168+50		144			0					
		50		265	7,610		0	1.3	0	26	7,584
	169+00		142			0					
		50		264	7,874		4	1.3	5	31	7,844
	169+50		143			4					
		50		257	8,132		6	1.3	8	38	8,093
	170+00		135			2					
		50		247	8,379		3	1.3	3	42	8,337
	170+50		132			0					
		50		244	8,623		1	1.3	1	43	8,580
	171+00		132			1					
		50		246	8,869		1	1.3	1	44	8,824
	171+50		134			0					
		50		236	9,105		1	1.3	1	45	9,060
	172+00		122			0					
		50		218	9,323		1	1.3	2	47	9,277
	172+50		114			1					
		50		214	9,537		1	1.3	2	48	9,489
	173+00		117			0					
		50		217	9,755		1	1.3	1	49	9,706
	173+50		118			0					
		50		219	9,974		1	1.3	1	50	9,923
	174+00		118			0					
		50		218	10,192		1	1.3	1	51	10,141
	174+50		117			0					
		50		218	10,411		1	1.3	1	52	10,358
	175+00		118			0					
		50		216	10,627		1	1.3	1	53	10,574
	175+50		115			0					

CTH TA

CATEGORY	REFERENCE LINE STATION	EXCAVATION DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		50		212	10,839		0	1.3	1	54	10,785
	176+00		113			0					
		50		209	11,048		0	1.3	1	55	10,993
	176+50		112			0					
		50		207	11,255		1	1.3	1	56	11,199
	177+00		111			1					
		50		201	11,456		2	1.3	2	58	11,398
	177+50		106			1					
		50		200	11,656		2	1.3	2	61	11,595
	178+00		109			1					
		50		206	11,861		1	1.3	1	62	11,799
	178+50		113			0					
		50		211	12,072		0	1.3	0	62	12,010
	179+00		115			0					
		50		214	12,287		0	1.3	0	62	12,224
	179+50		116			0					
		50		214	12,500		0	1.3	0	62	12,438
	180+00		115			0					
		50		223	12,723		0	1.3	1	63	12,660
	180+50		126			0					
		50		250	12,973		0	1.3	1	64	12,910
	181+00		144			0					
		50		279	13,252		0	1.3	0	64	13,189
	181+50		157			0					
		50		295	13,548		0	1.3	0	64	13,484
	182+00		162			0					
		50		295	13,842		0	1.3	1	64	13,778
	182+50		157			0					
		50		267	14,109		0	1.3	0	65	14,044
	183+00		131			0					
		50		239	14,348		0	1.3	0	65	14,283
	183+50		126			0					
		50		223	14,571		0	1.3	0	65	14,506
	184+00		115			0					
		50		251	14,821		1	1.3	1	66	14,756
	184+50		156			1					
		50		272	15,093		1	1.3	2	67	15,026
	185+00		138			1					
		50		240	15,333		1	1.3	2	69	15,264
	185+50		122			1					
		50		228	15,561		1	1.3	1	71	15,490
	186+00		124			0					
		50		224	15,785		1	1.3	1	71	15,713
	186+50		118			0					
		50		209	15,994		1	1.3	1	72	15,921
	187+00		108			0					
		50		202	16,196		1	1.3	1	73	16,122
	187+50		110			0					
		50		205	16,400		1	1.3	1	74	16,326
	188+00		111			0					
		50		207	16,607		1	1.3	1	75	16,532
	188+50		113			0					
		50		209	16,816		1	1.3	1	76	16,740
	189+00		113			0					
		50		210	17,026		1	1.3	1	76	16,950
	189+50		114			0					
		50		213	17,239		0	1.3	1	77	17,162
	190+00		116			0					
		50		218	17,457		0	1.3	1	78	17,379
	190+50		120			0					

CTH TA

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		50		222	17,678		0	1.3	0	78	17,600
	191+00		120			0					
		50		218	17,896		0	1.3	0	78	17,818
	191+50		115			0					
		50		213	18,109		0	1.3	0	79	18,031
	192+00		115			0					
		50		216	18,326		0	1.3	0	79	18,247
	192+50		119			0					
		50		222	18,548		0	1.3	0	79	18,469
	193+00		122			0					
		50		227	18,776		0	1.3	0	79	18,697
	193+50		124			0					
		50		252	19,027		0	1.3	0	79	18,948
	194+00		148			0					
		50		242	19,270		0	1.3	0	79	19,191
	194+50		114			0					
		50		270	19,539		0	1.3	0	79	19,460
	195+00		177			0					
		50		344	19,883		0	1.3	0	79	19,804
	195+50		194			0					
		50		378	20,261		0	1.3	0	79	20,182
	196+00		214			0					
		50		394	20,655		0	1.3	0	79	20,576
	196+50		211			0					
		15		93	20,748		0	1.3	0	79	20,669
	196+65		120			0					
	TOTAL				20,748		61			79	20,669

TAYLOR FRONTAGE ROAD

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010	+36 BA, AH		86			0					
		14		44	44		0	1.3	0	0	44
	+50		84			0					
		50		178	222		0	1.3	0	0	222
	1+00		109			0					
		50		212	434		0	1.3	0	0	434
	1+50		121			0					
		50		201	635		0	1.3	0	0	635
	2+00		96			0					
		47		145	780		0	1.3	0	0	779
	2+47		71			0					
	TOTAL				780		0			0	779

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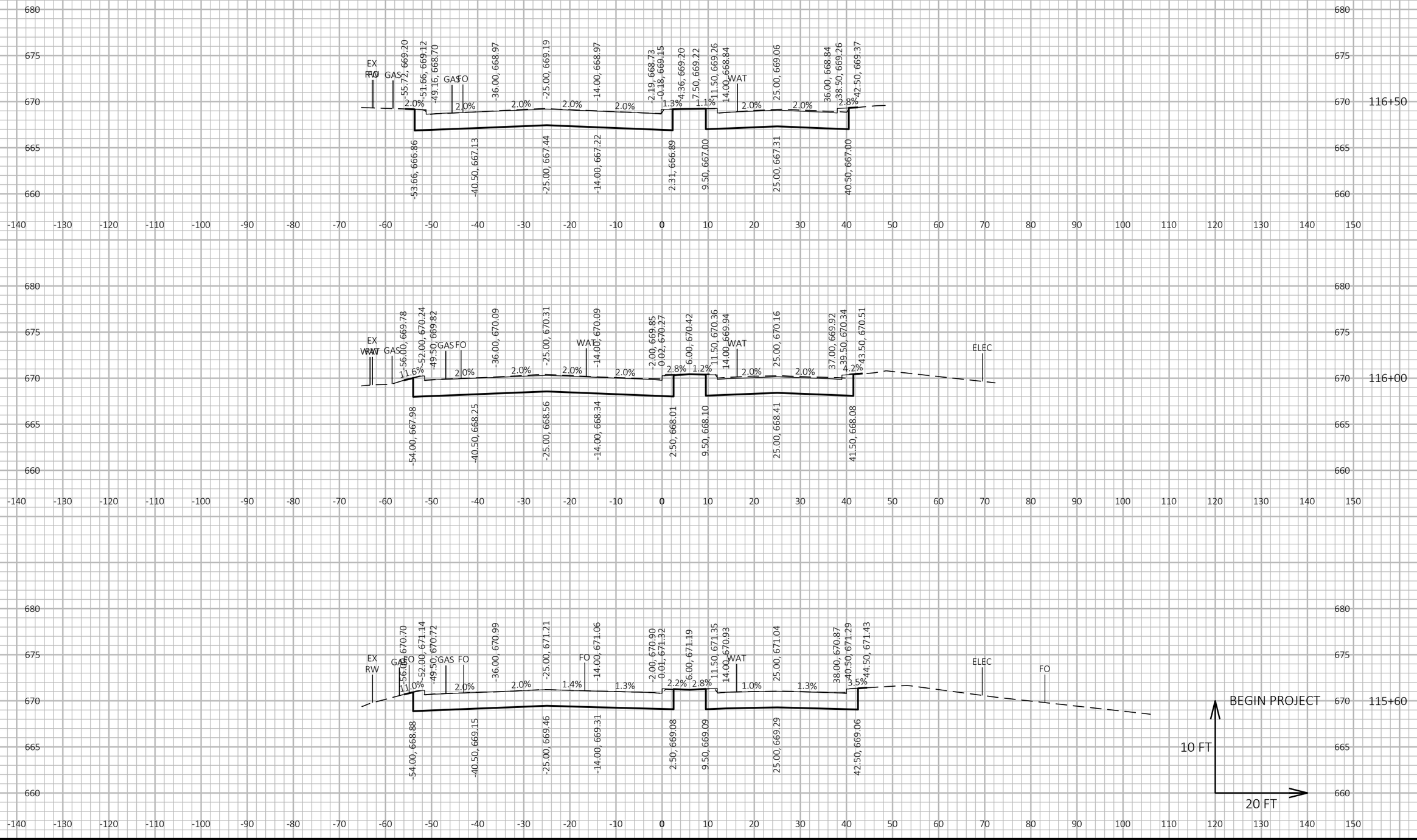
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: EARTHWORK	SHEET 399	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090101_EW.DWG
LAYOUT NAME - 090107_ew

PLOT DATE : 8/1/2023 11:24 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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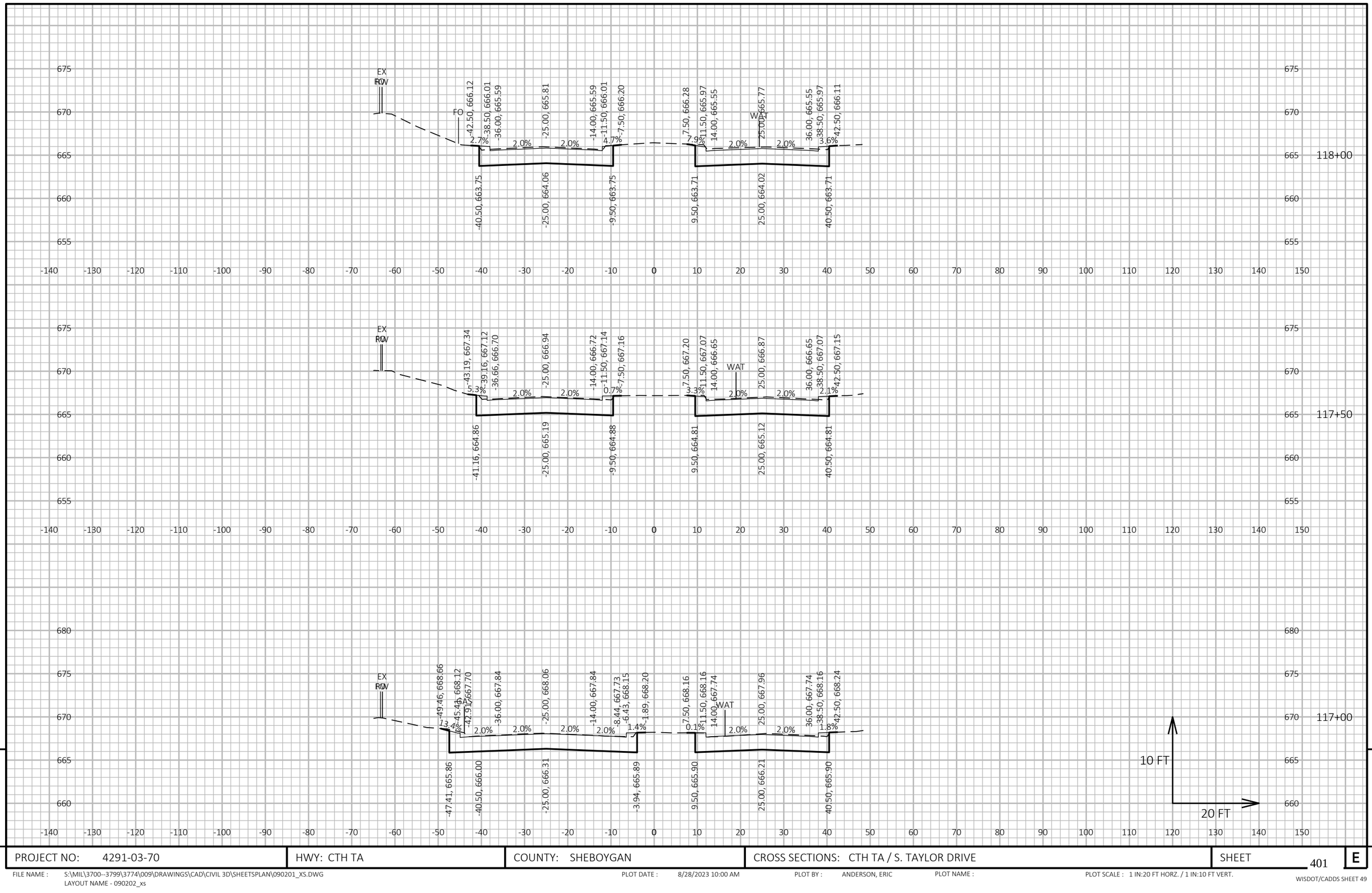
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 400	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

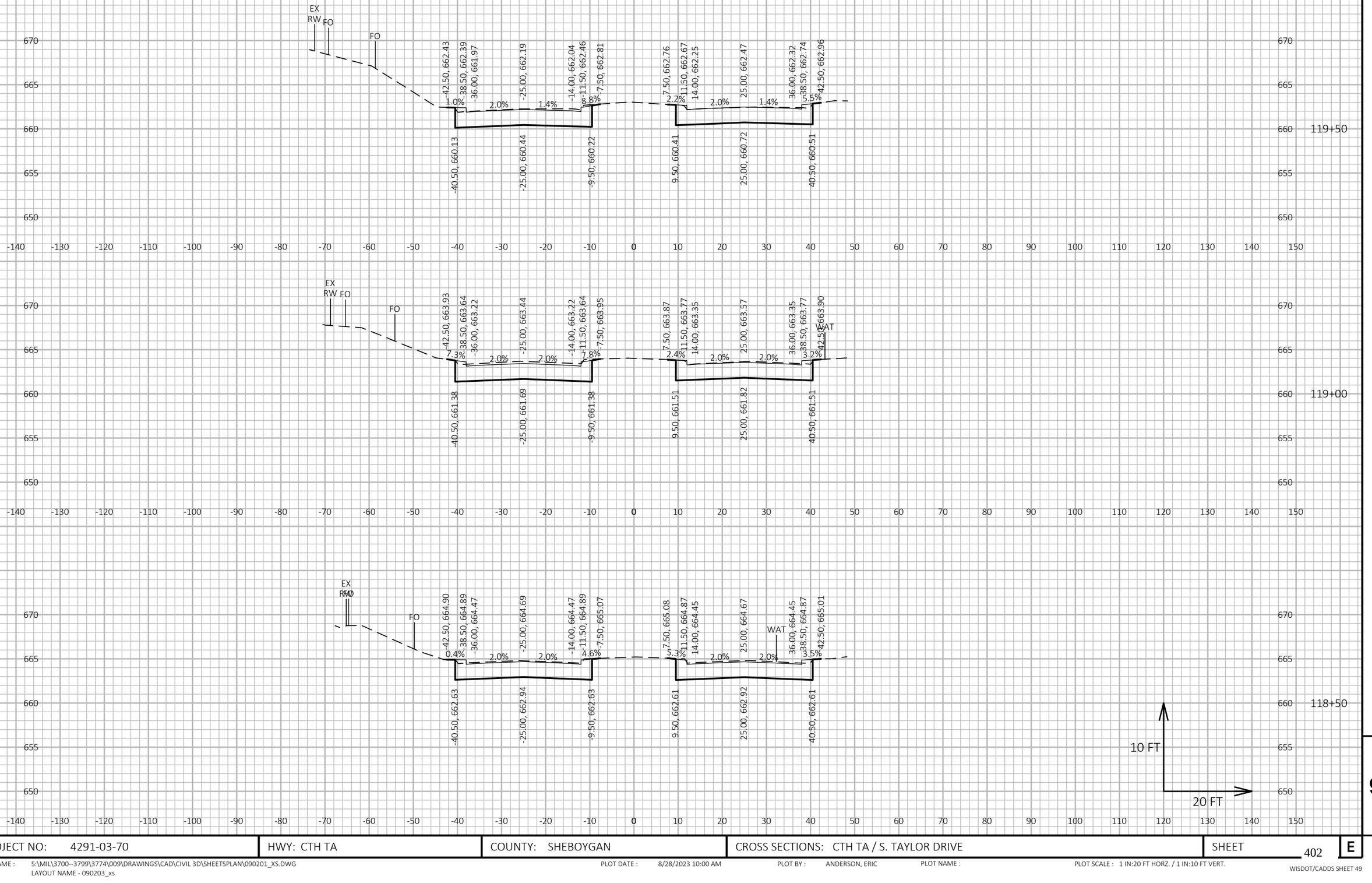


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 401 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090202_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 402	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090203_xs

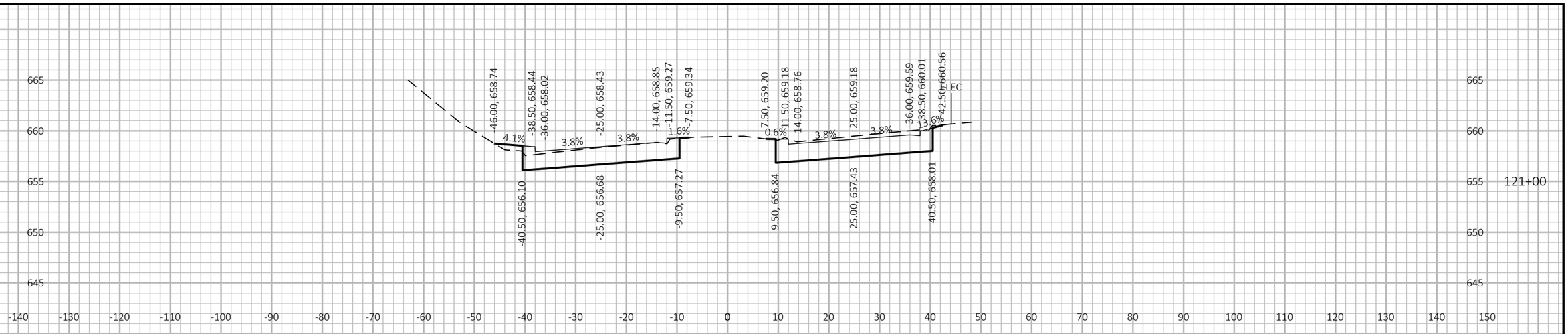
PLOT DATE : 8/28/2023 10:00 AM

PLOT BY : ANDERSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

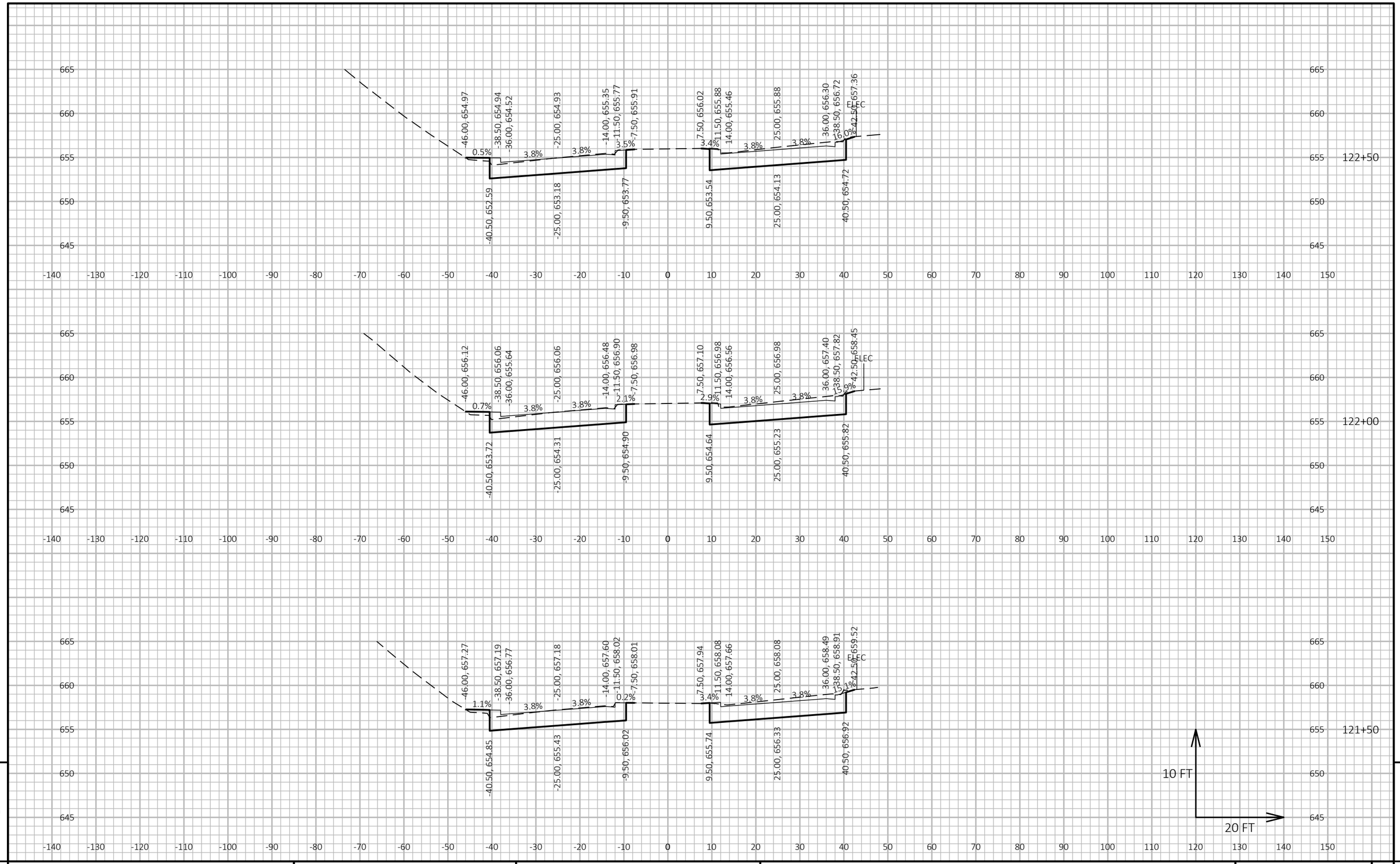


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 403	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090204_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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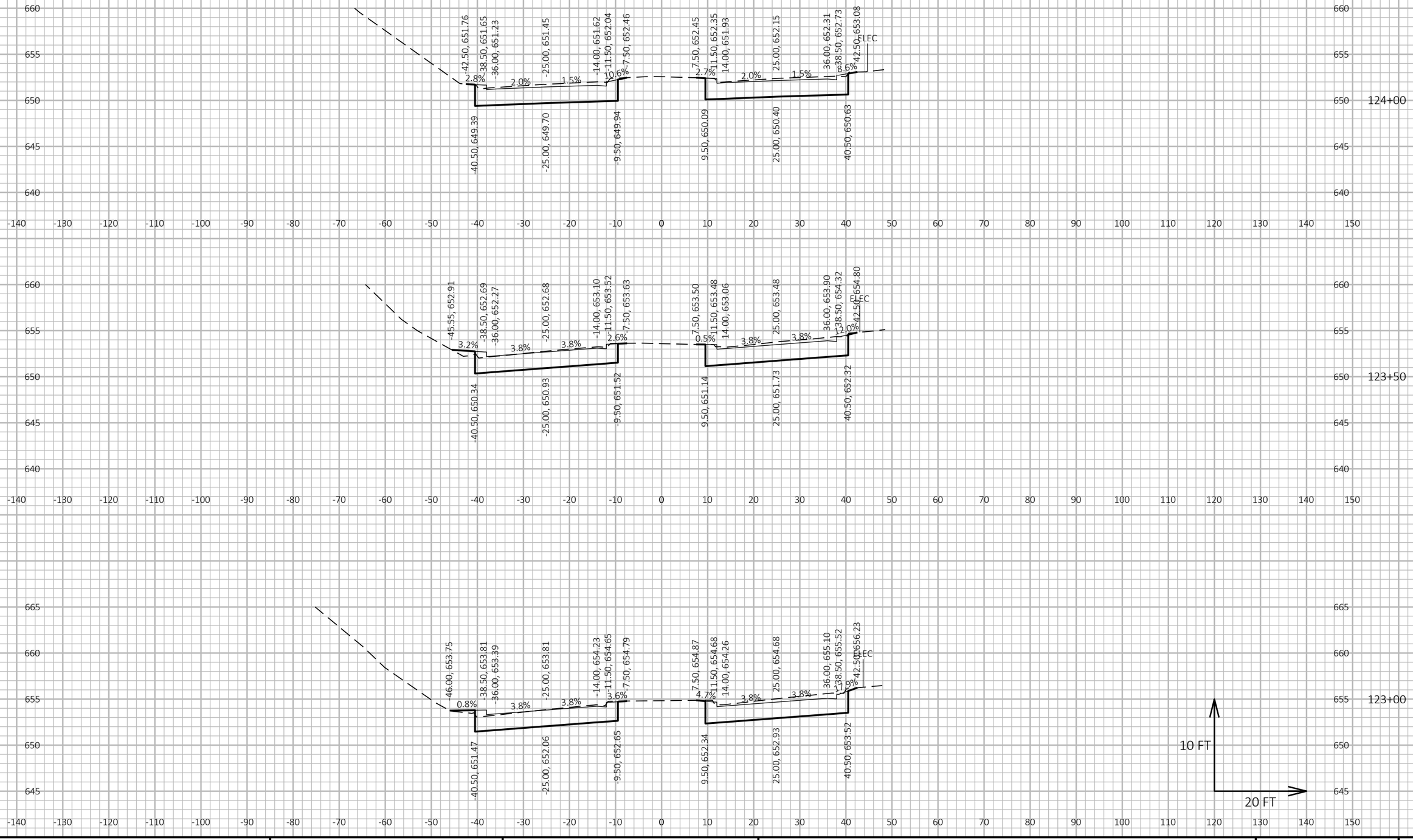
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 404	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090205_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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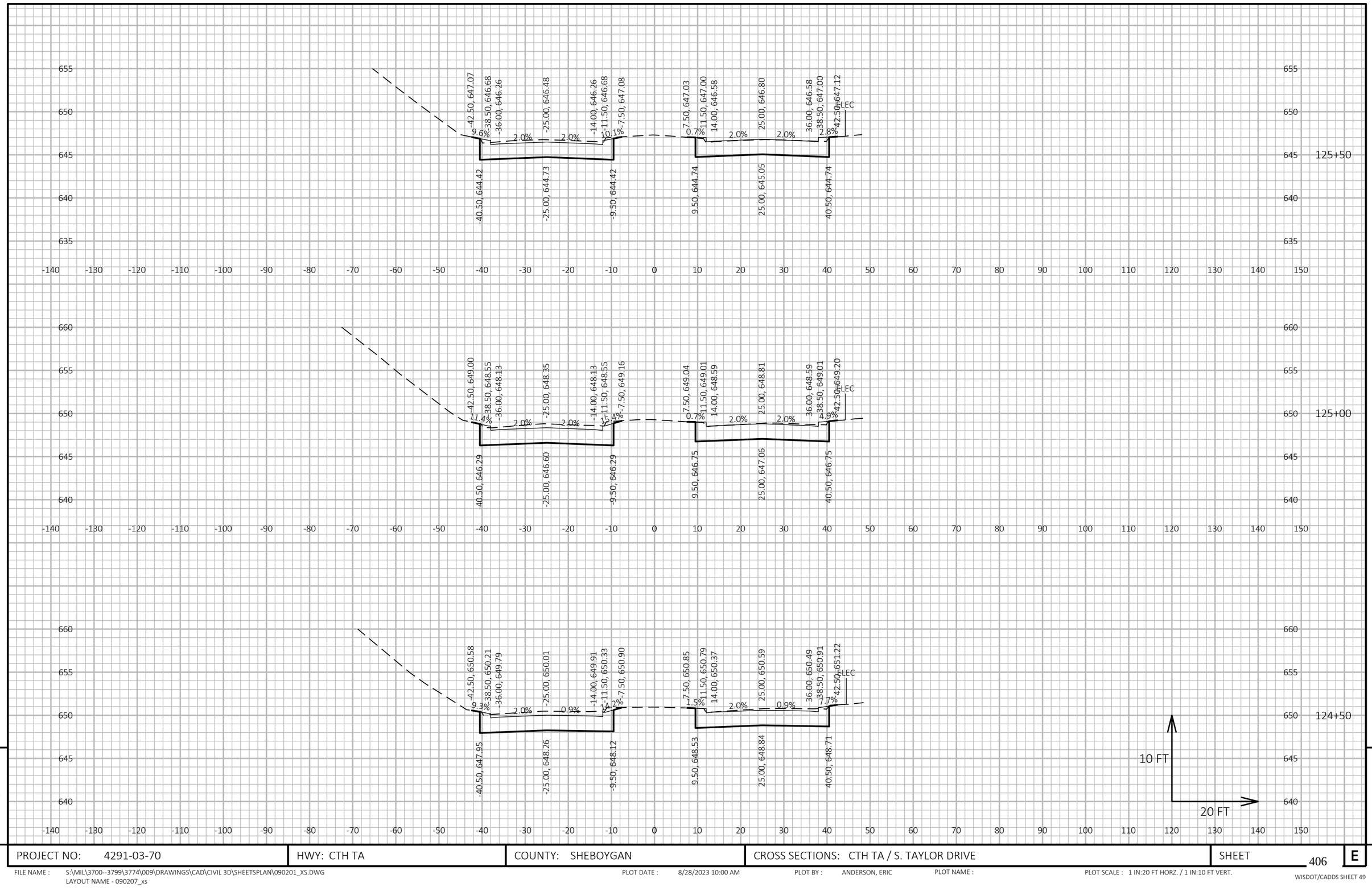
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 405	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090206_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 406	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090207_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

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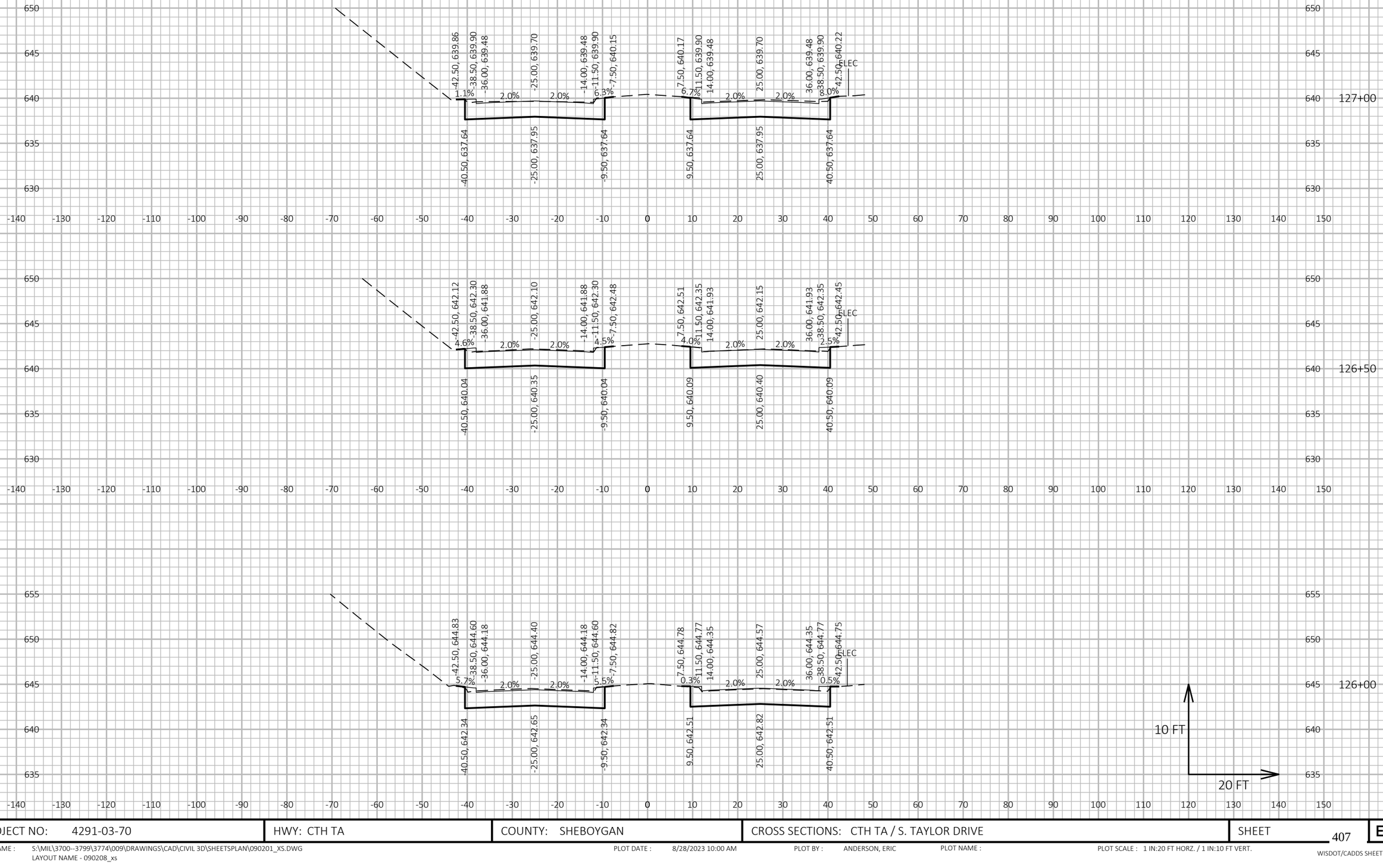

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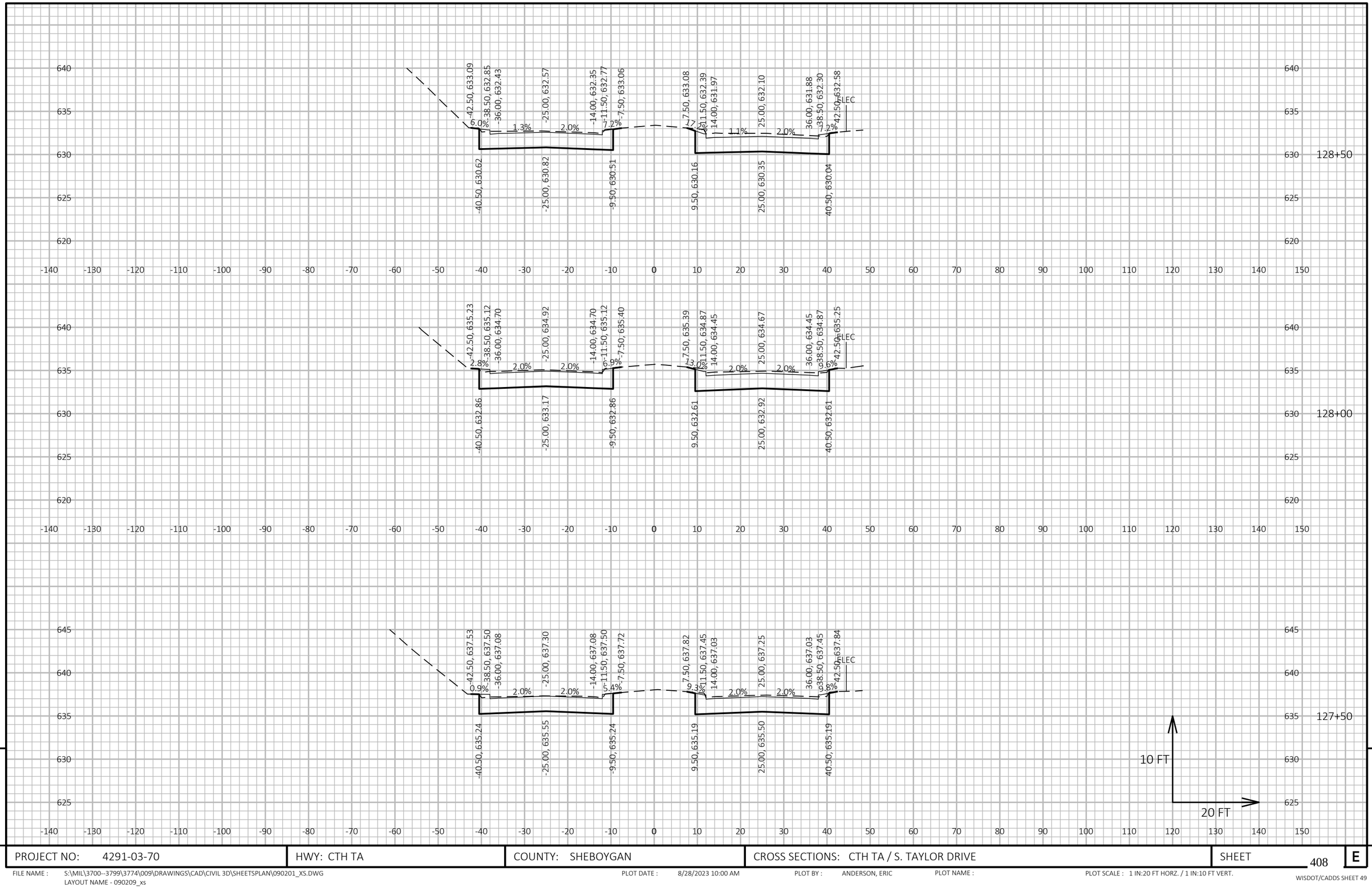
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 407	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090208_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

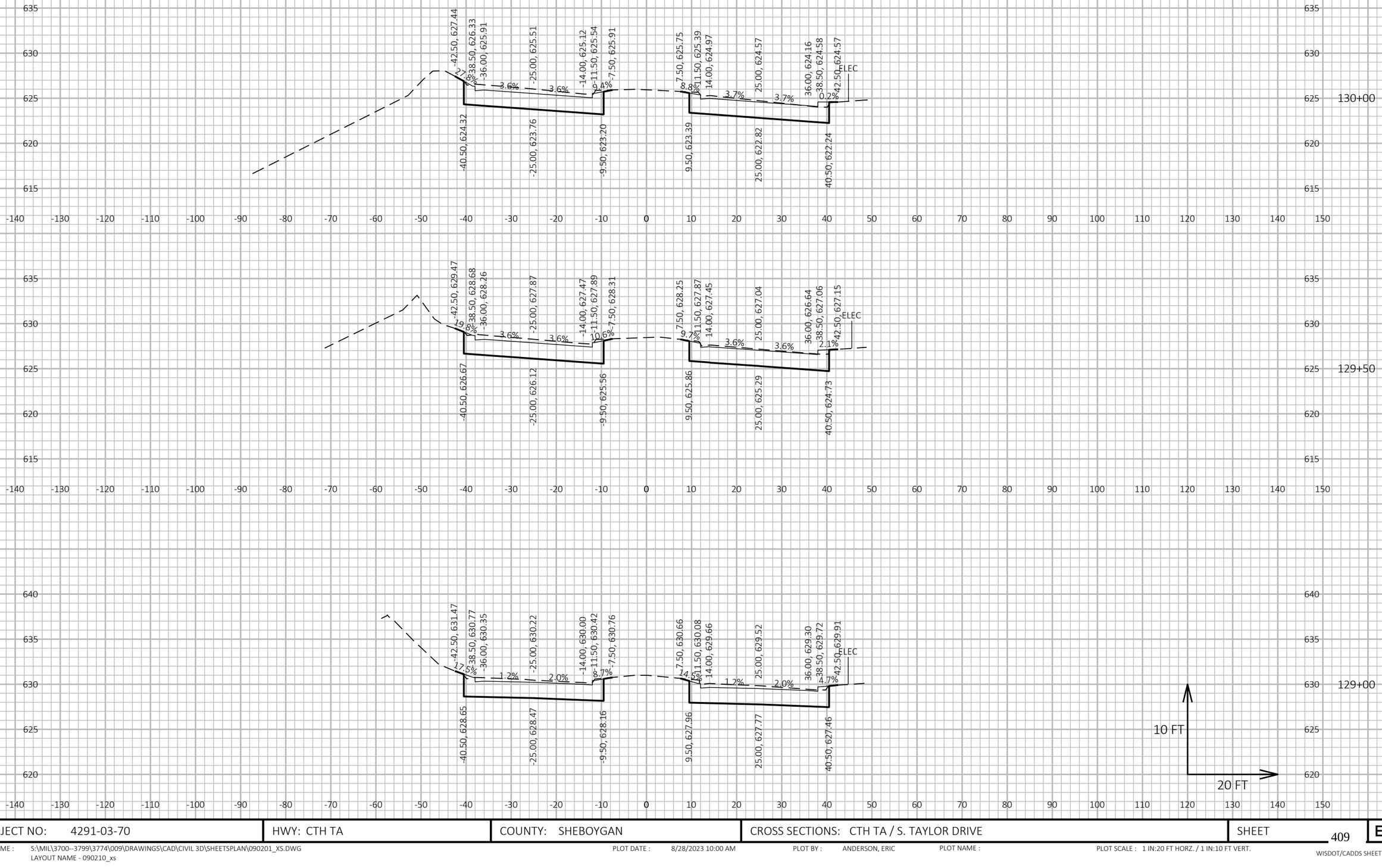


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 408	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090209_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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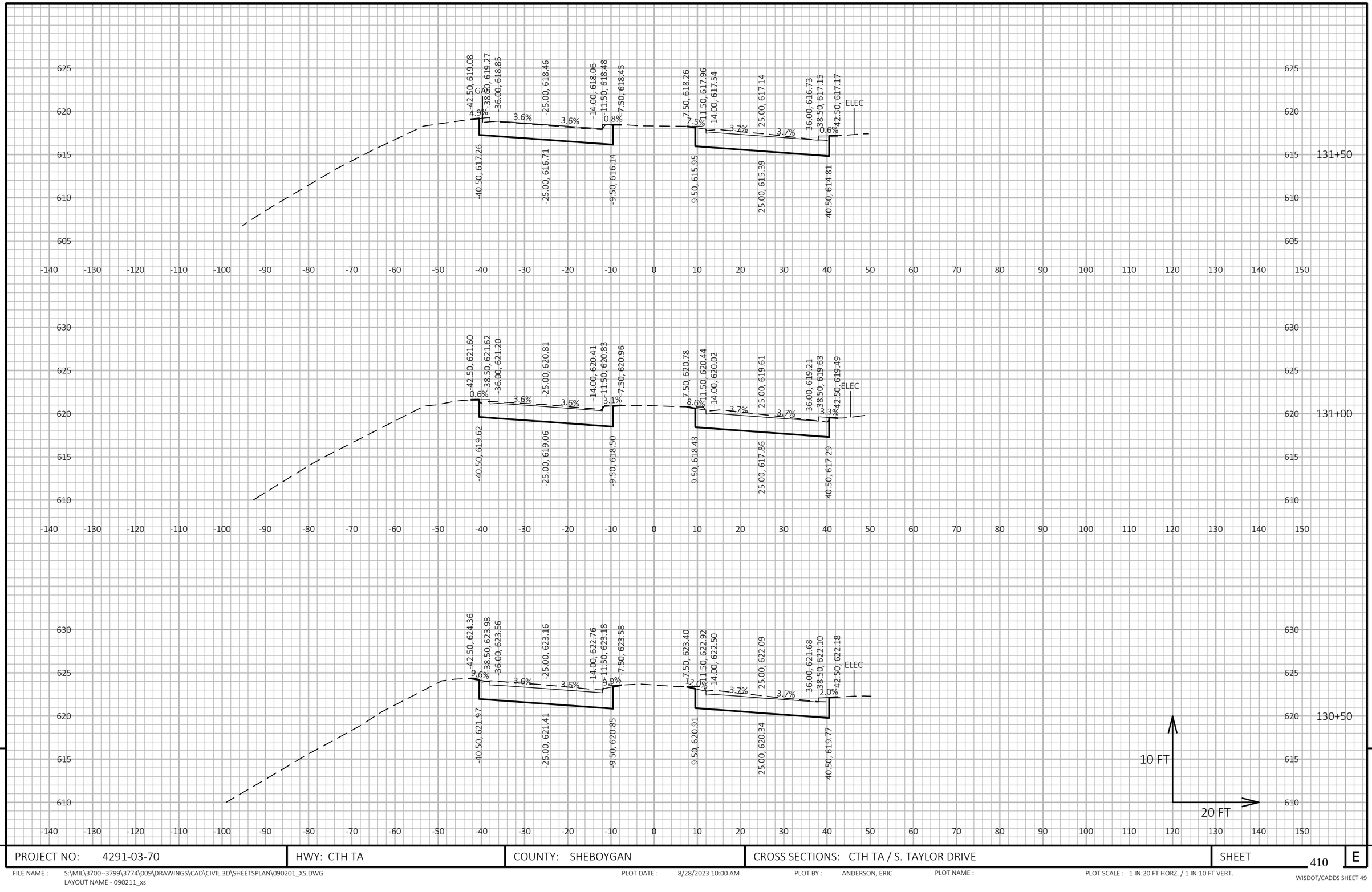
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 409	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090210_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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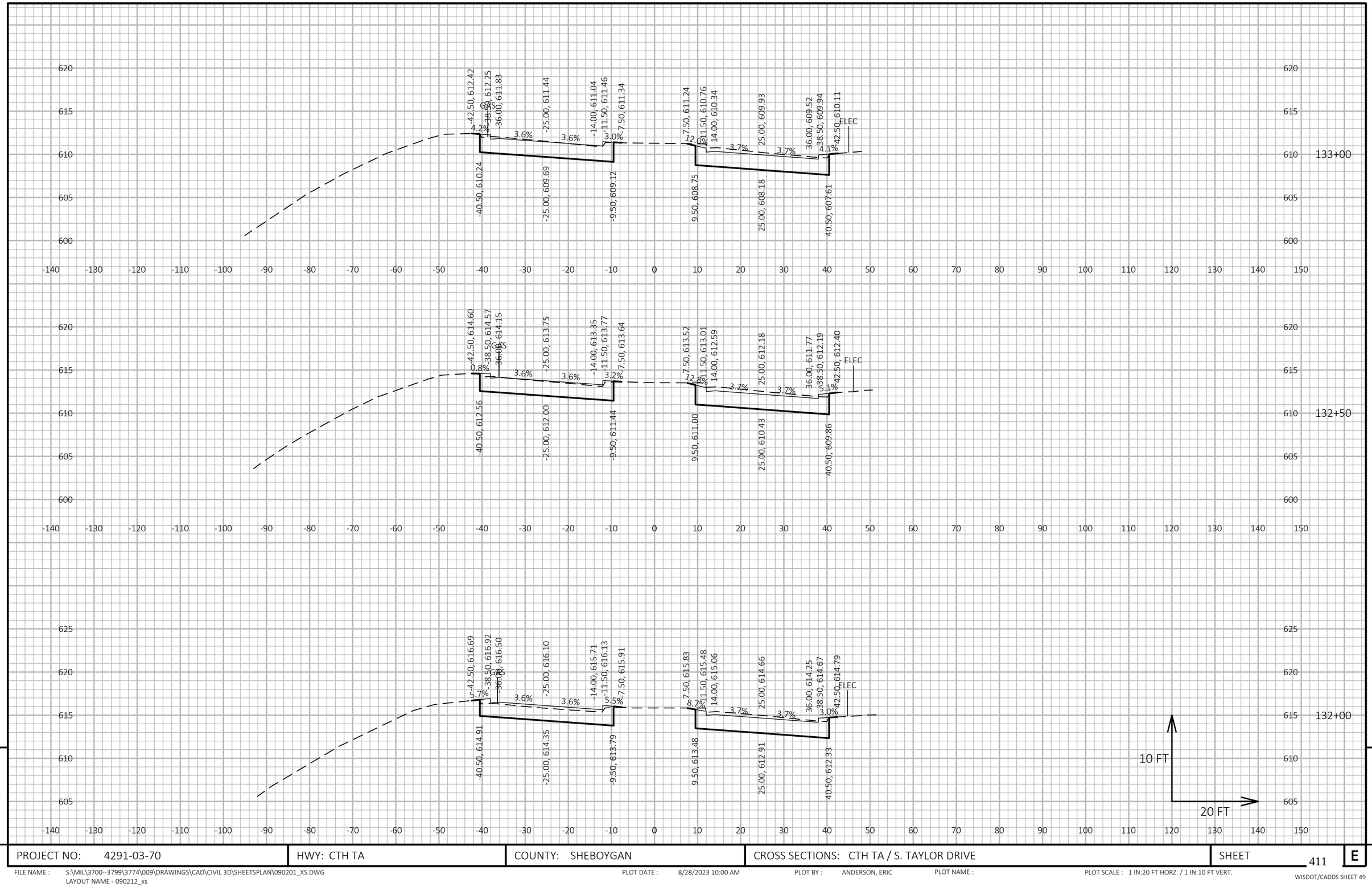
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 410	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090211_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

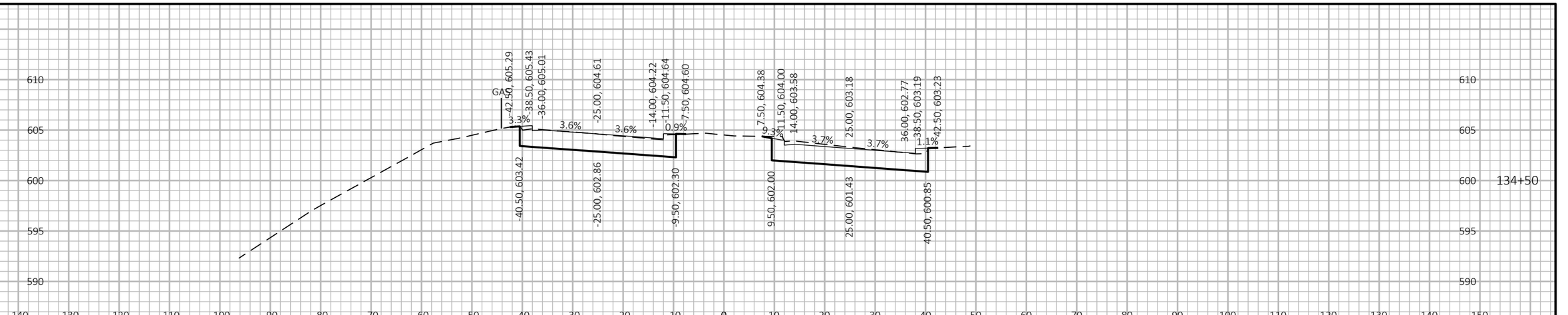


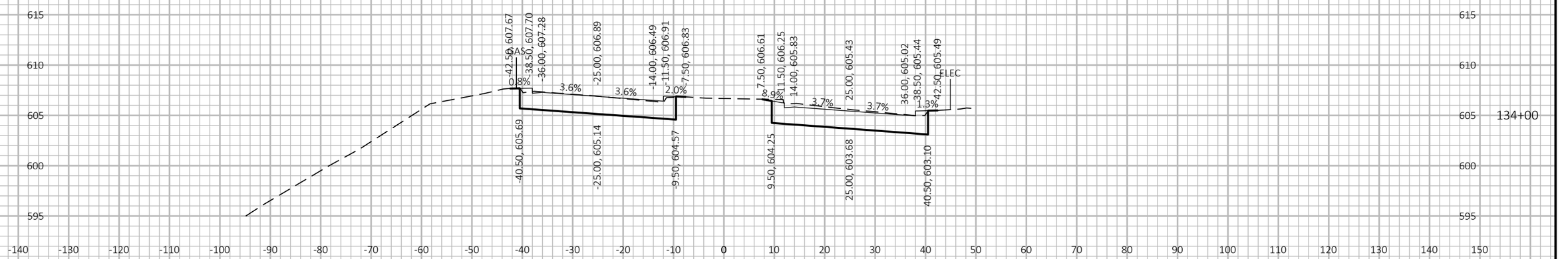
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 411	E

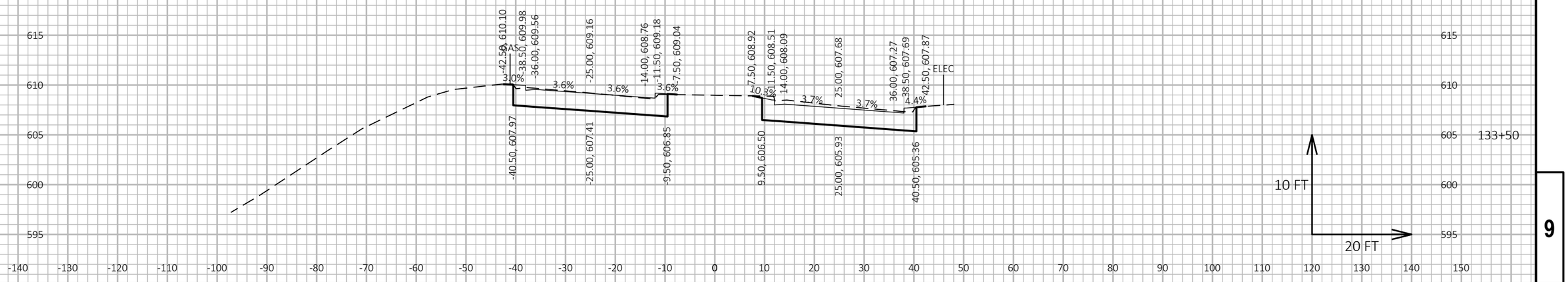
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090212_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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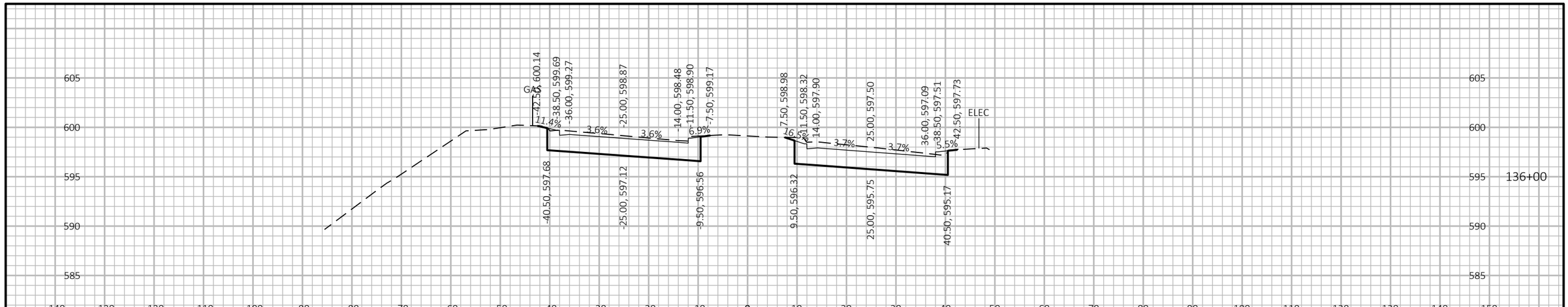
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 412	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090213_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

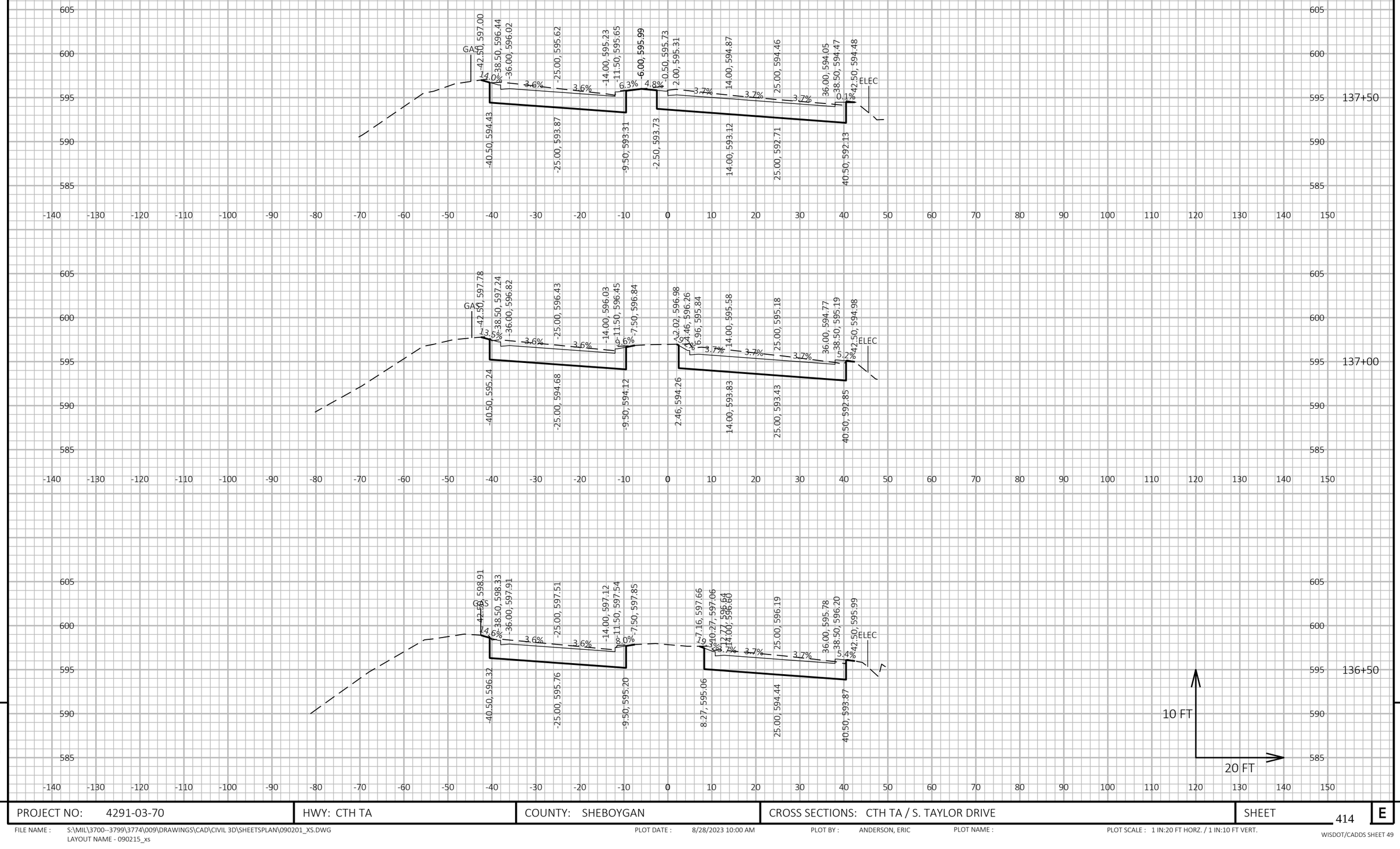


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 413	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090214_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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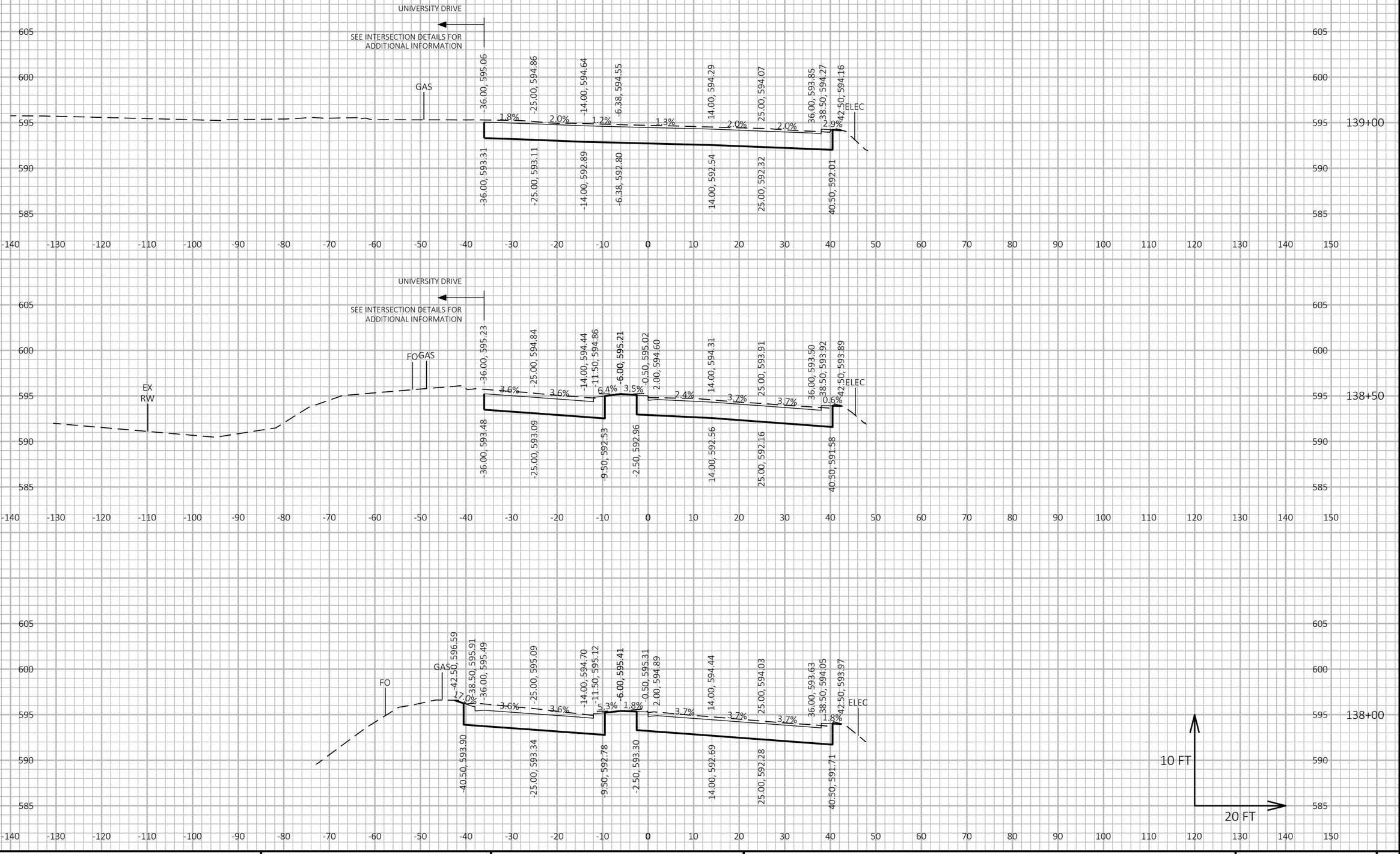
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 414	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090215_xs

PLOT DATE : 8/28/2023 10:00 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

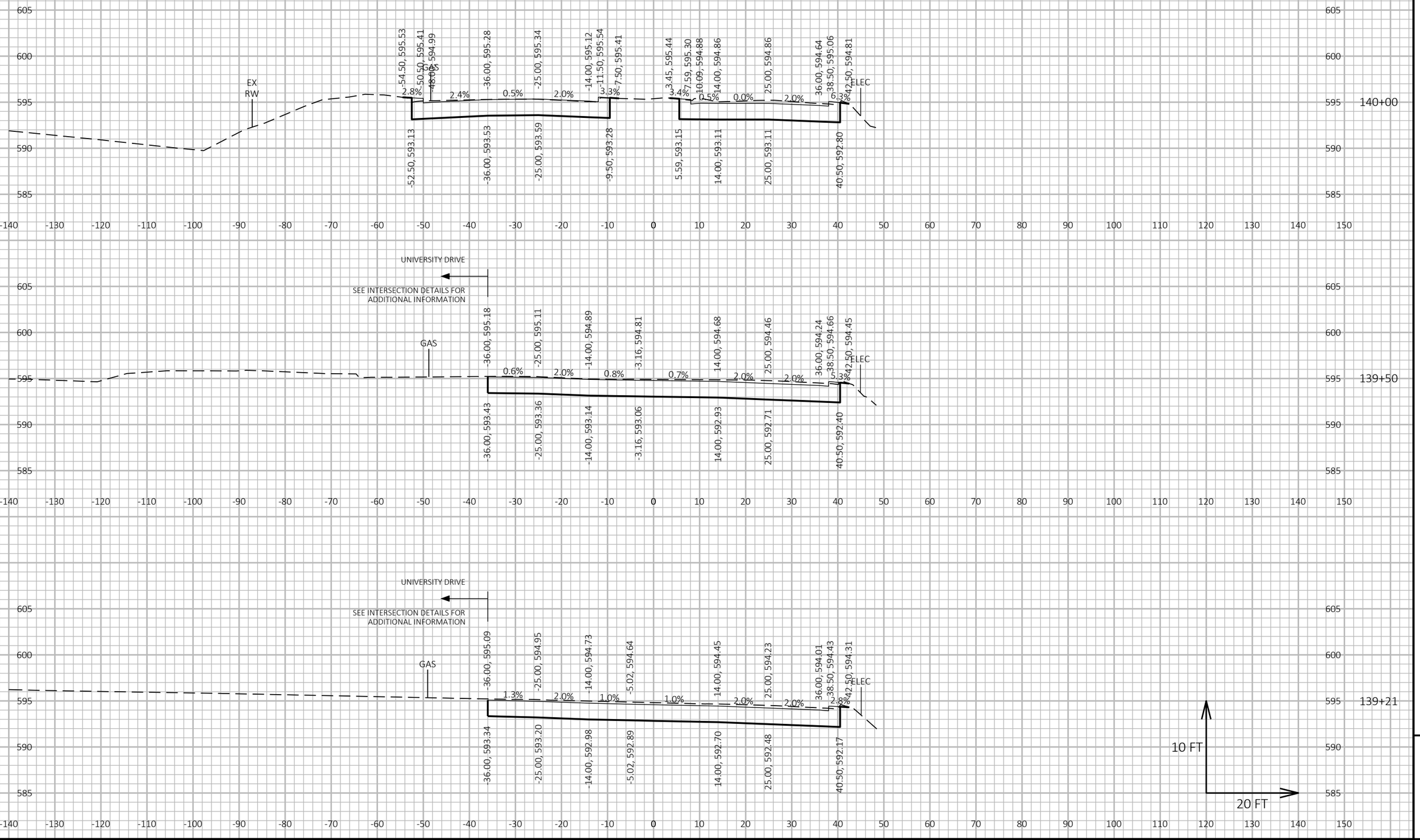


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 415	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090216_xs

PLOT DATE : 8/28/2023 10:01 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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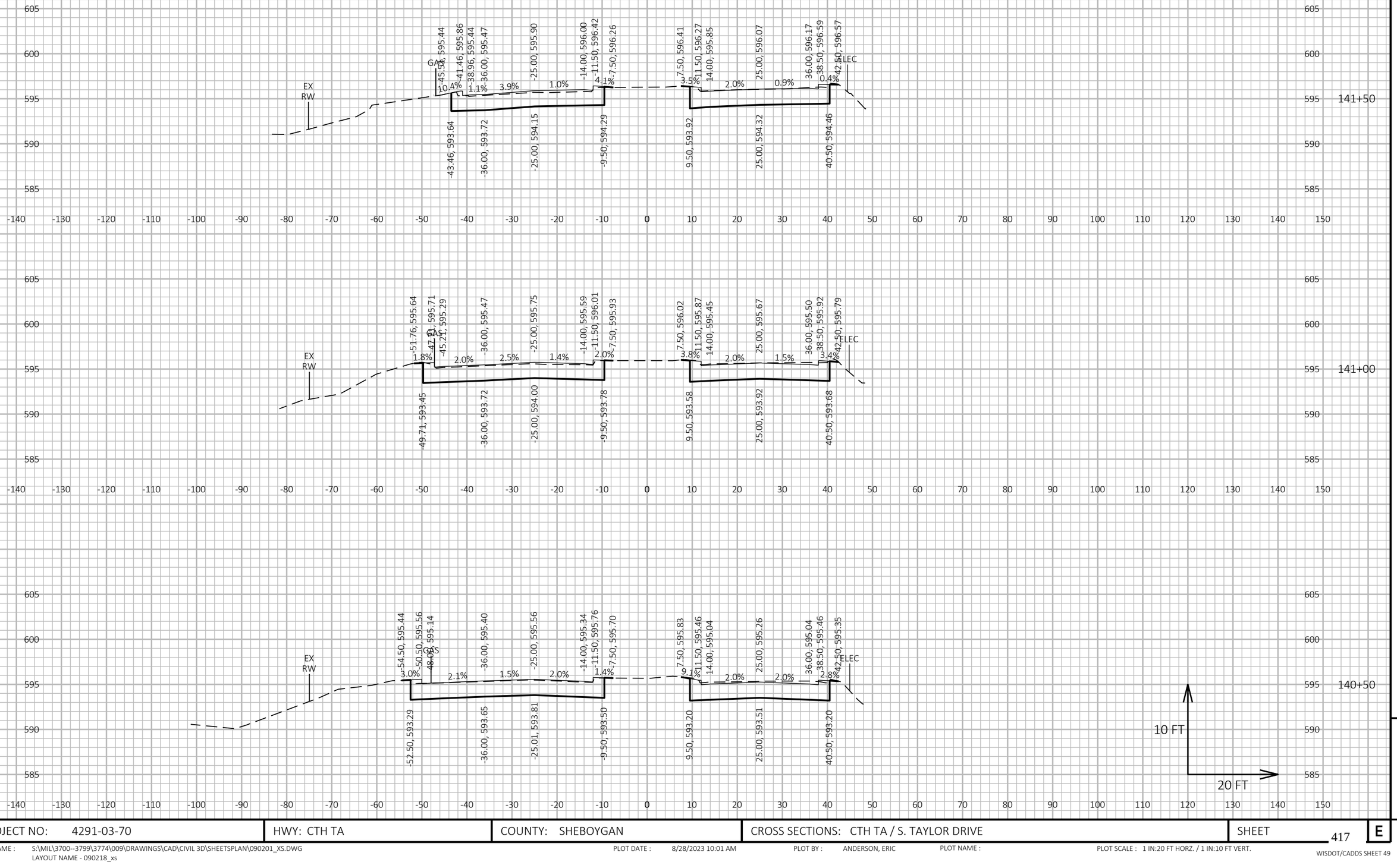
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 416	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090217_xs

PLOT DATE : 8/28/2023 10:01 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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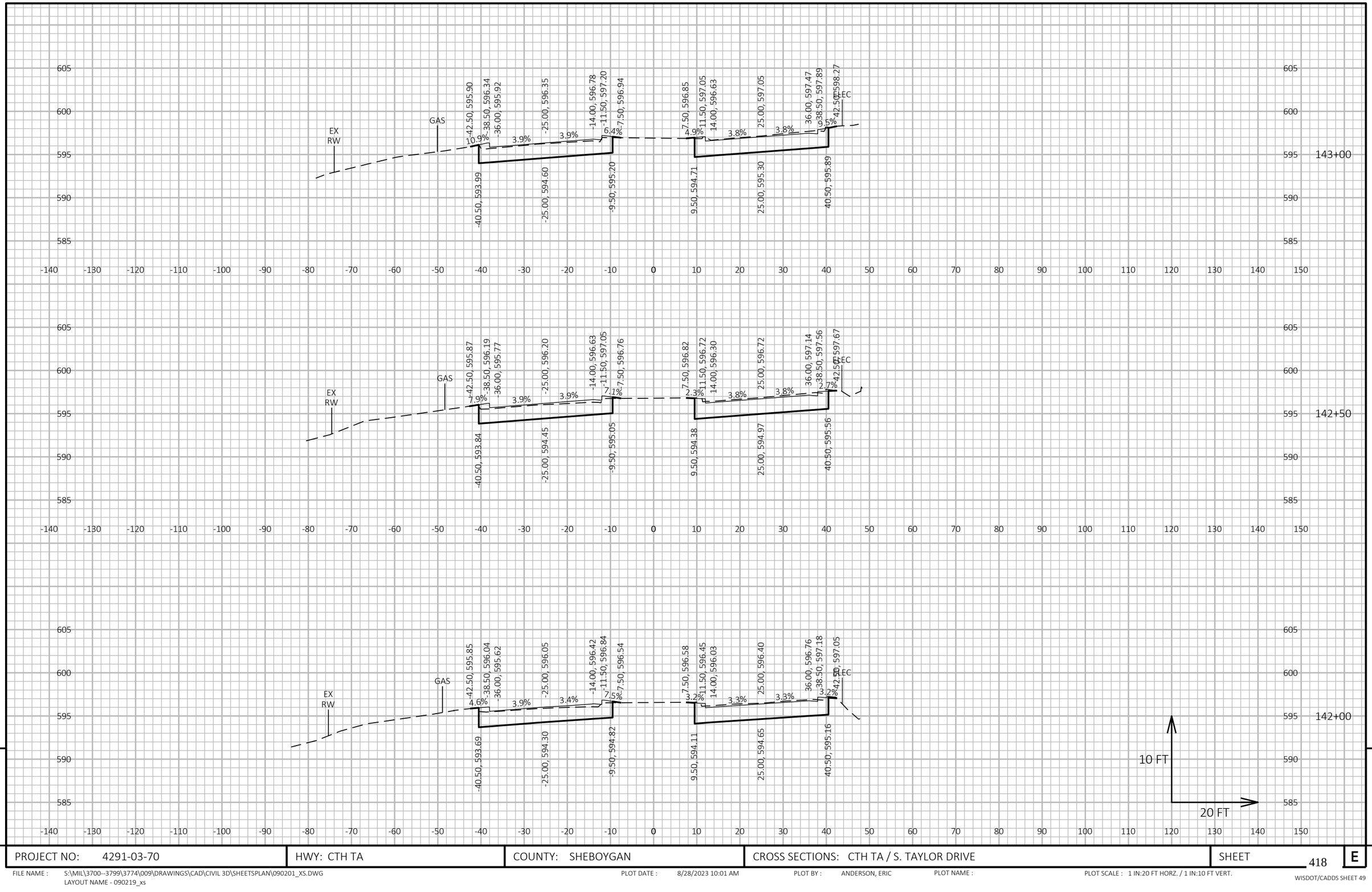
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 417	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090218_xs
PLOT DATE : 8/28/2023 10:01 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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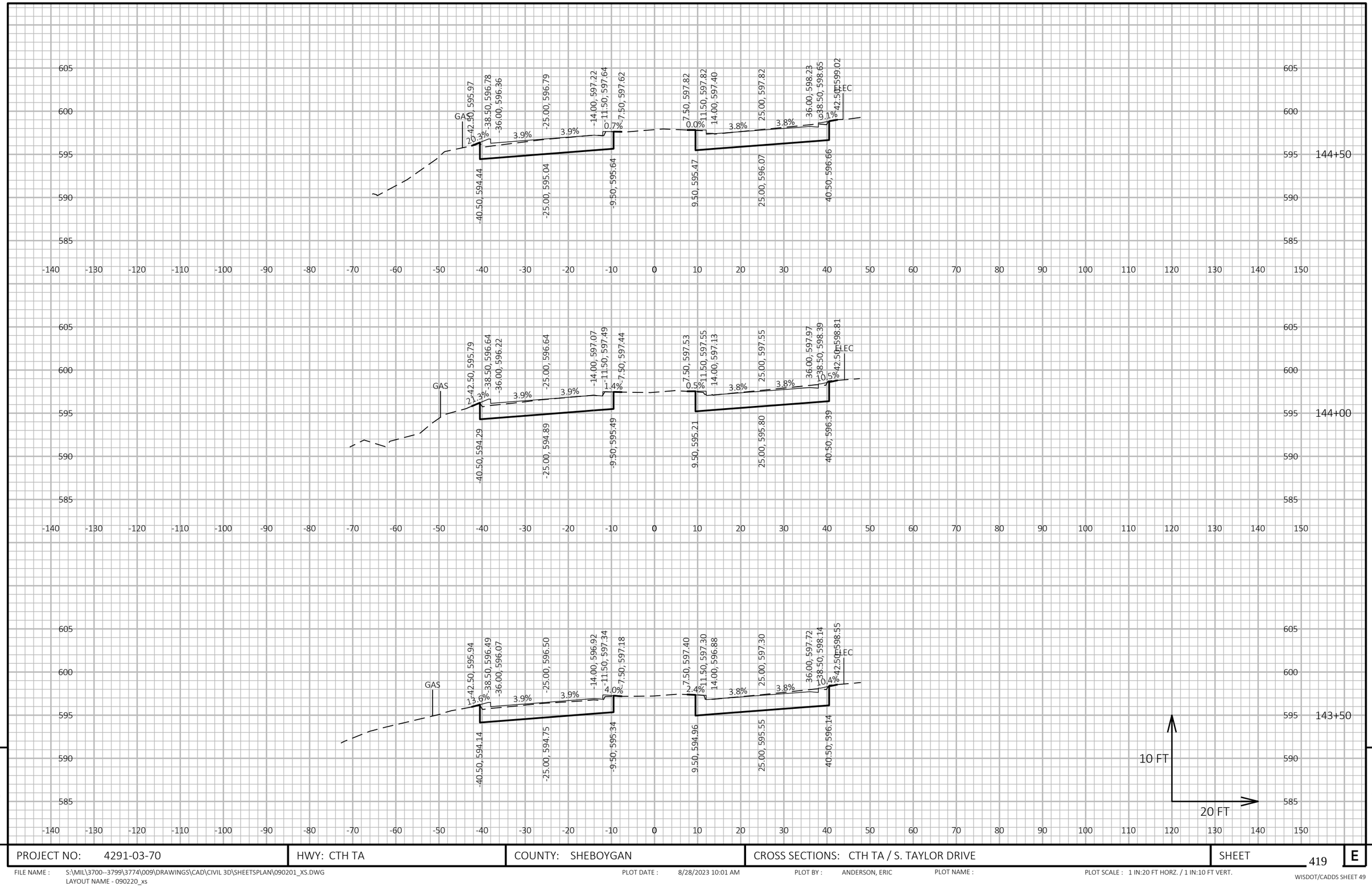
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 418	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090219_xs

PLOT DATE : 8/28/2023 10:01 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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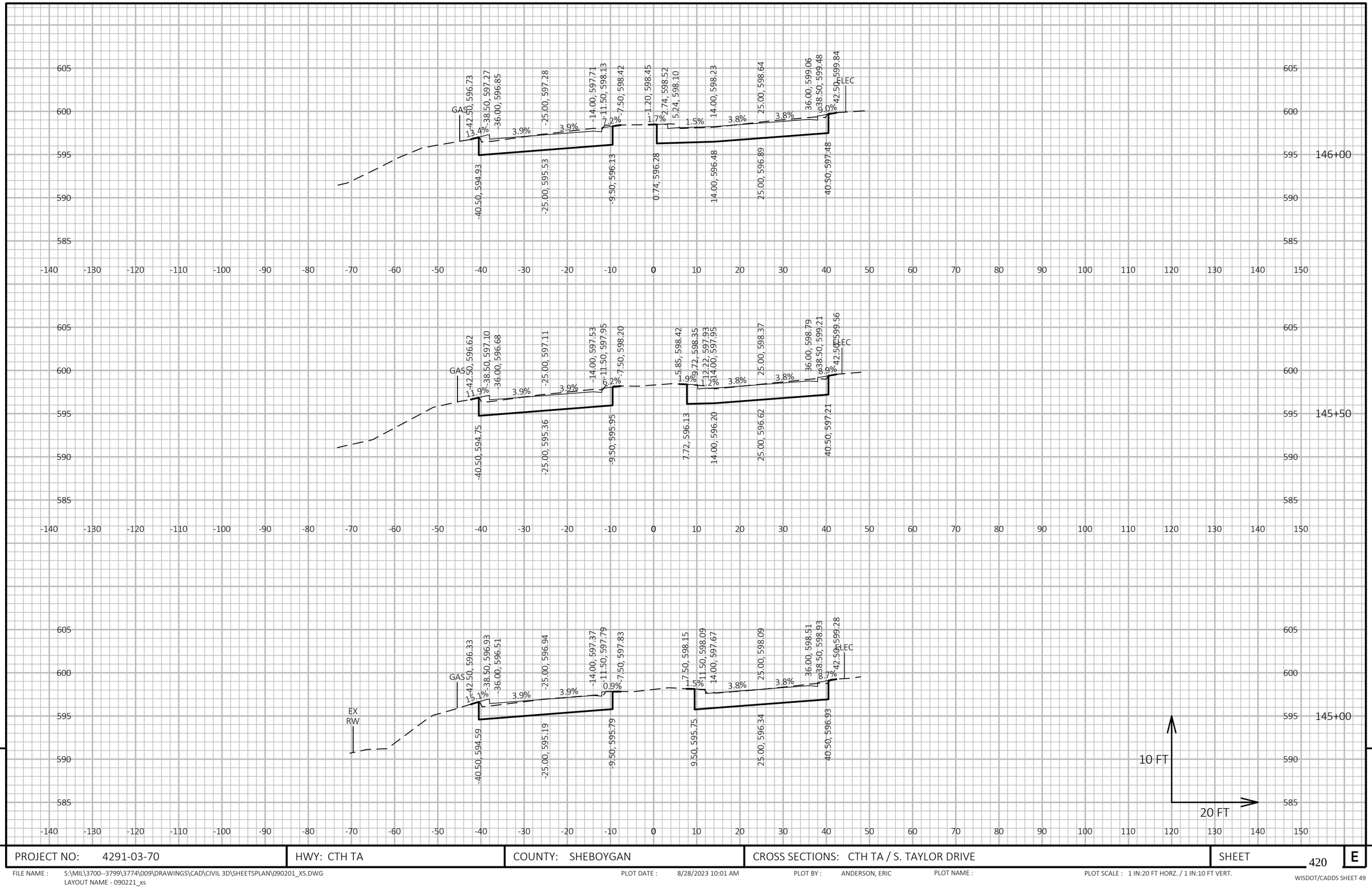
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 419	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090220_xs

PLOT DATE : 8/28/2023 10:01 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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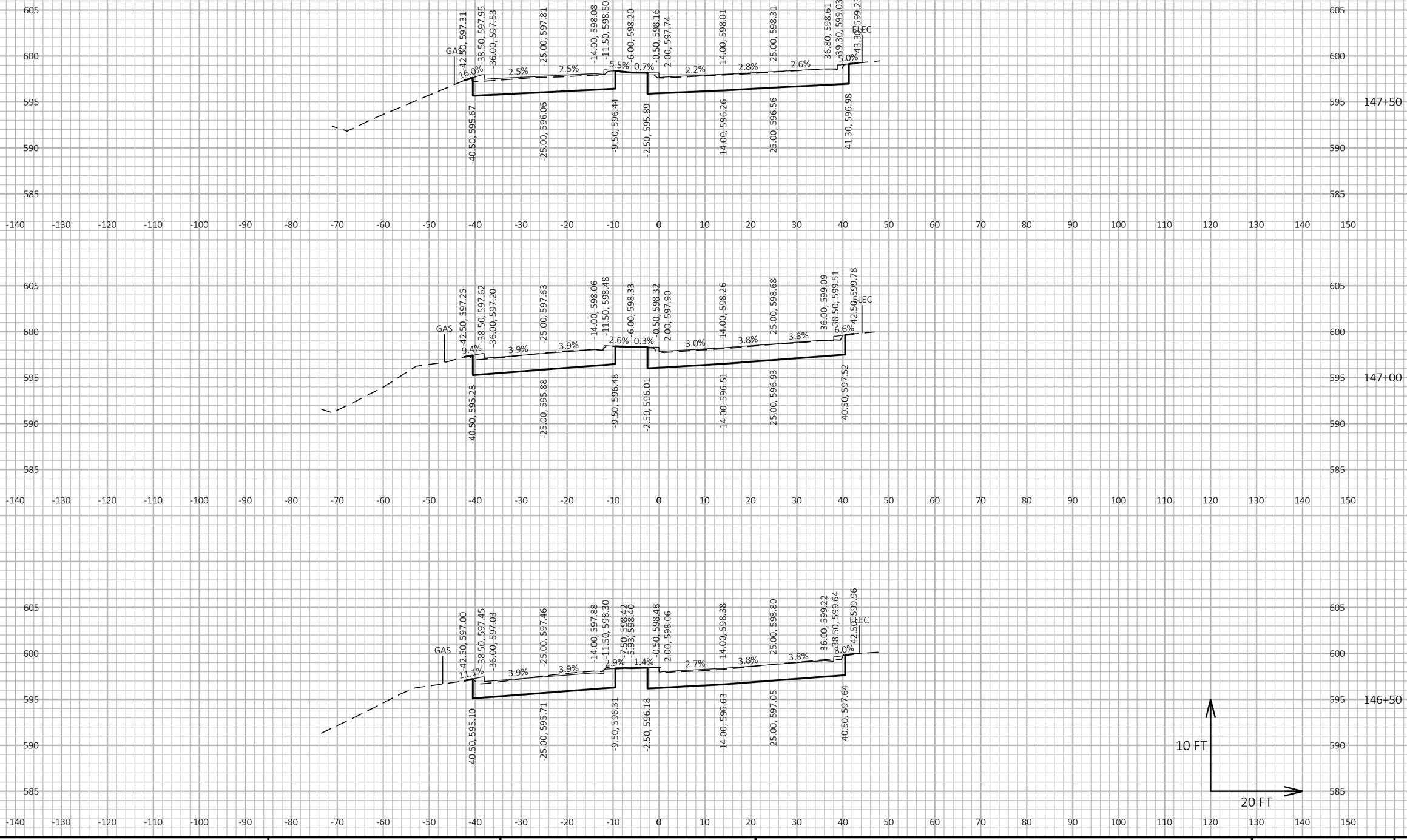
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 420	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090221_xs

PLOT DATE : 8/28/2023 10:01 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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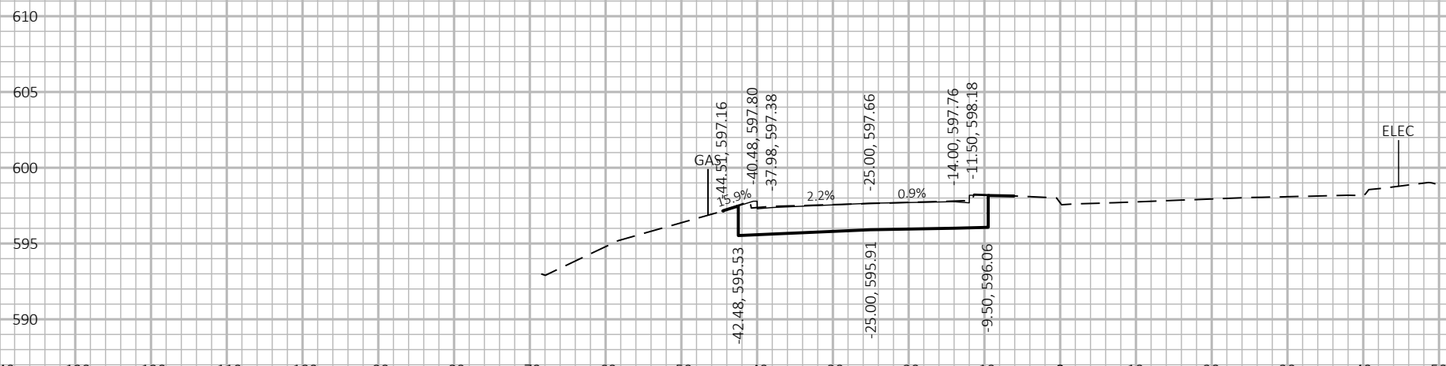
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 421	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090222_xs

PLOT DATE : 8/28/2023 10:01 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION 147+86



147+81

10 FT
20 FT

9 9

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 422	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090223_xs

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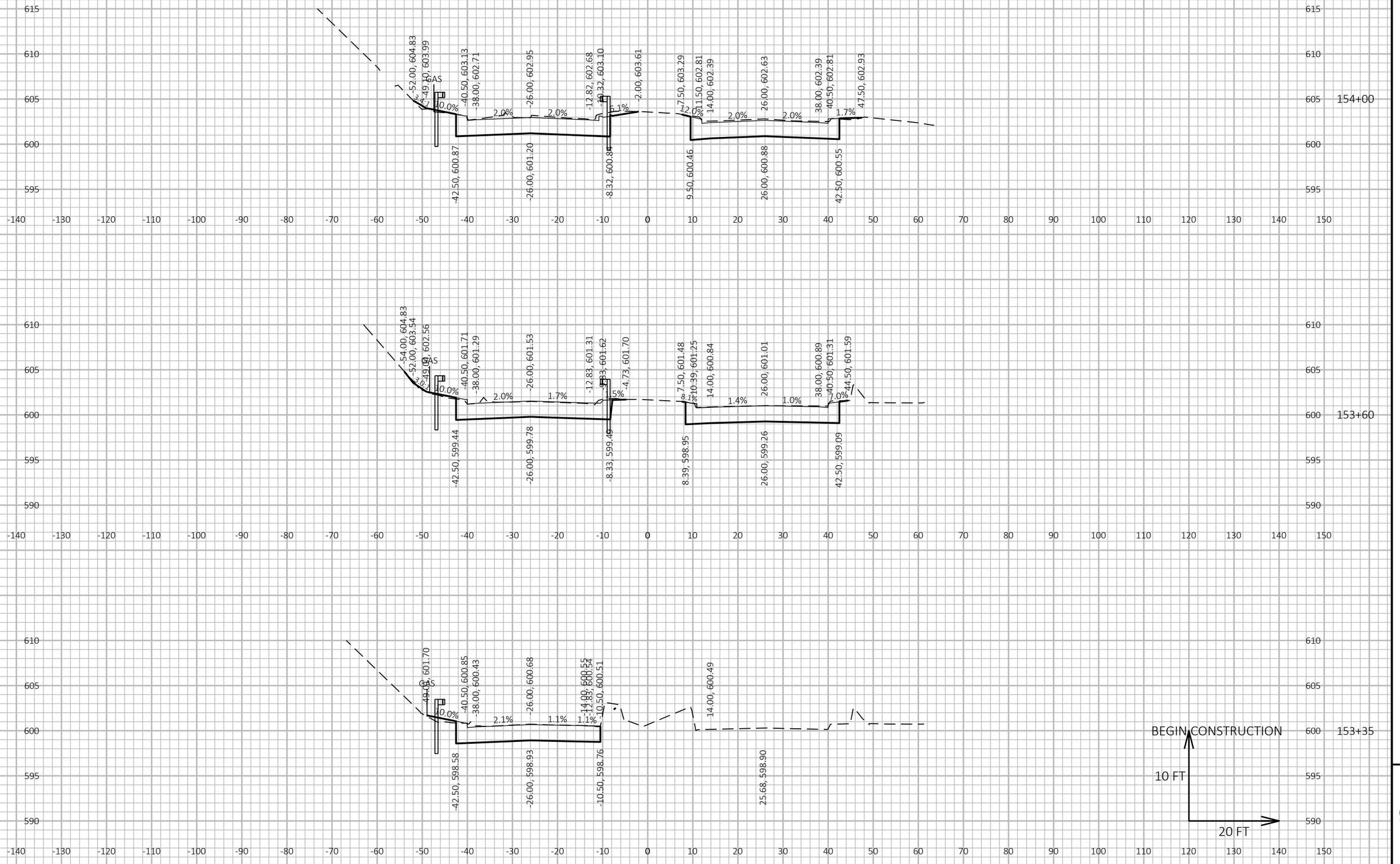
WISDOT/CADDS SHEET 49



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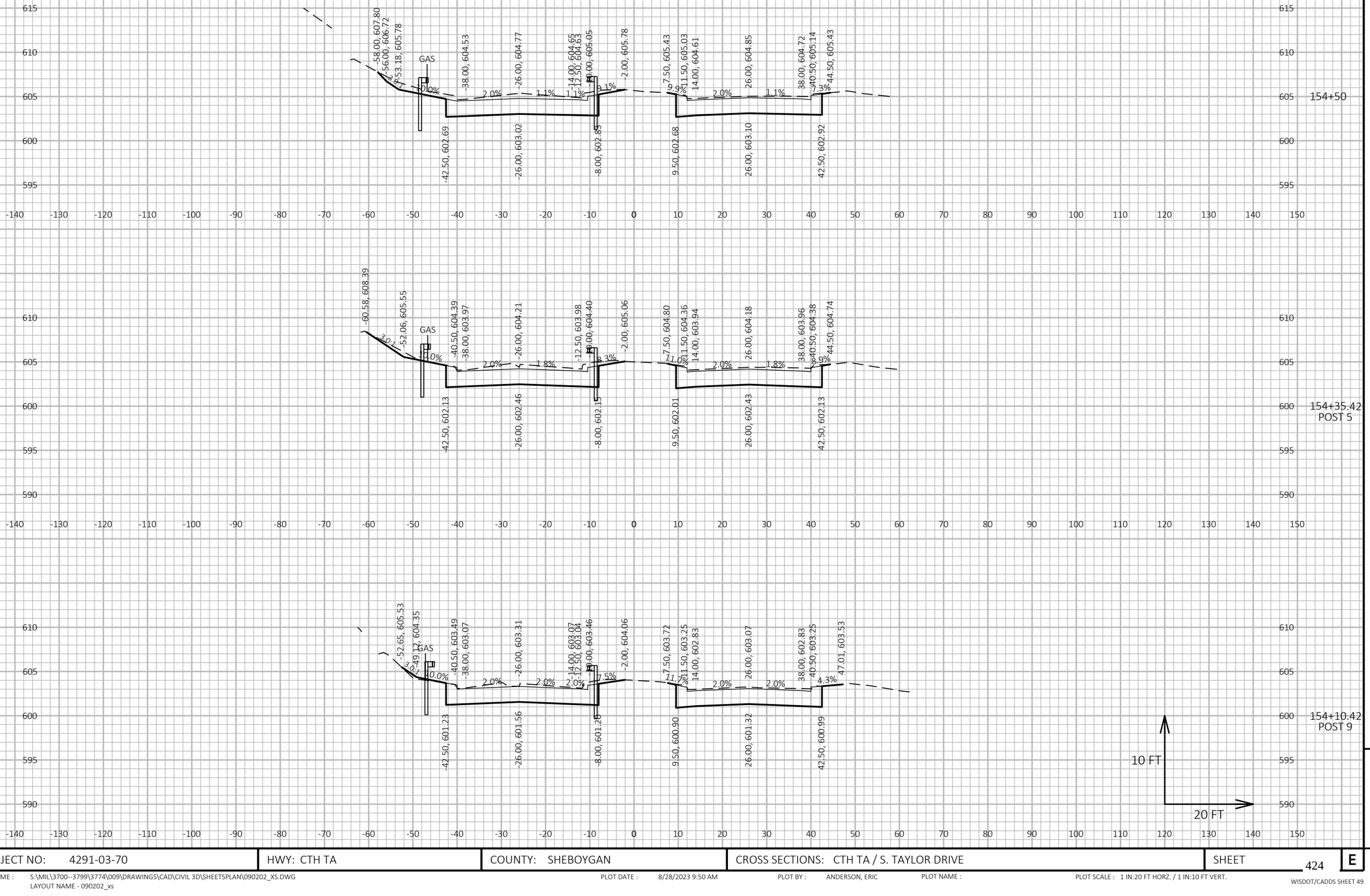
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 423	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090201_xs

PLOT DATE : 8/28/2023 9:50 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

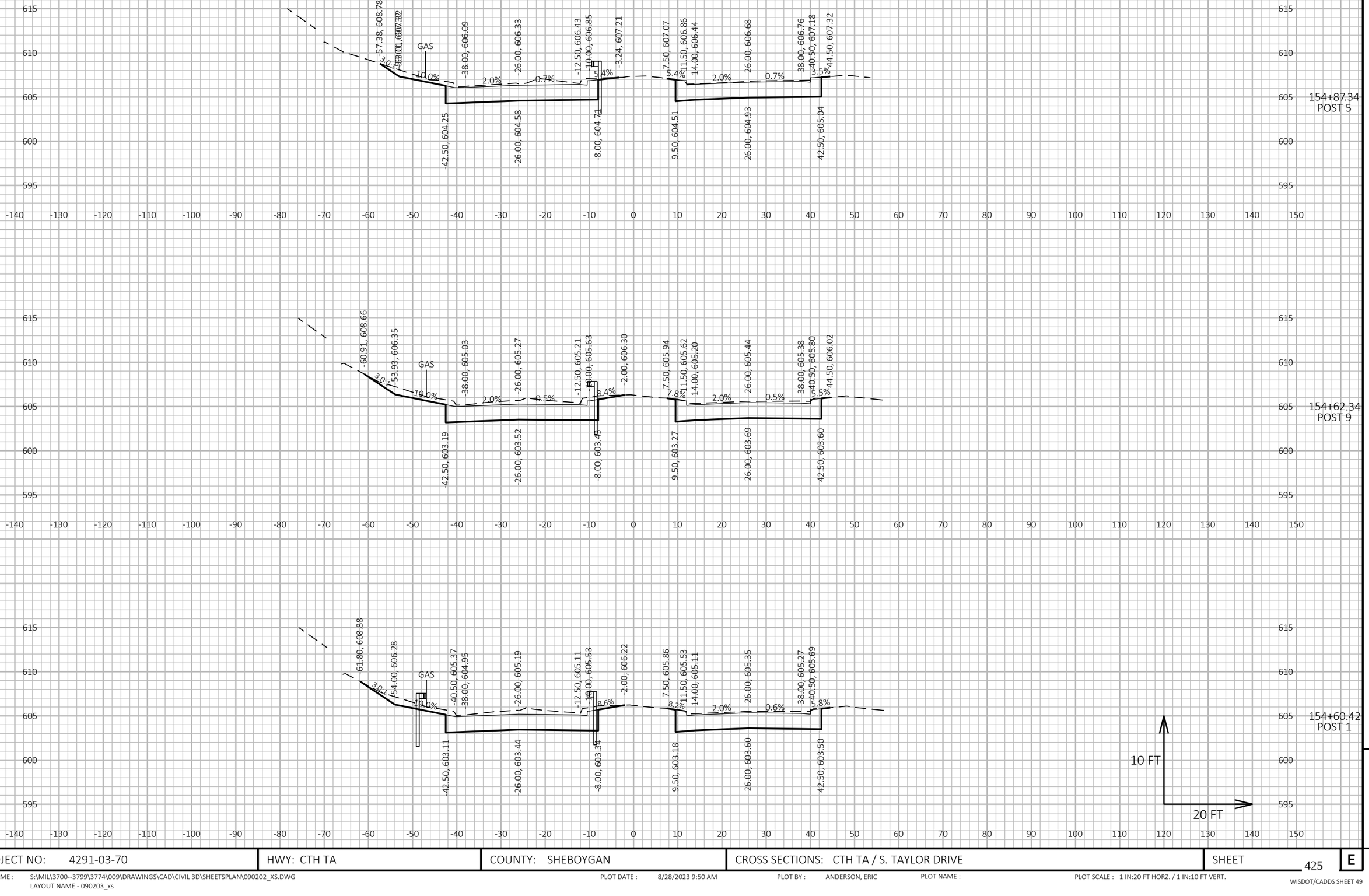


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 424	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090202_xs

PLOT DATE : 8/28/2023 9:50 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

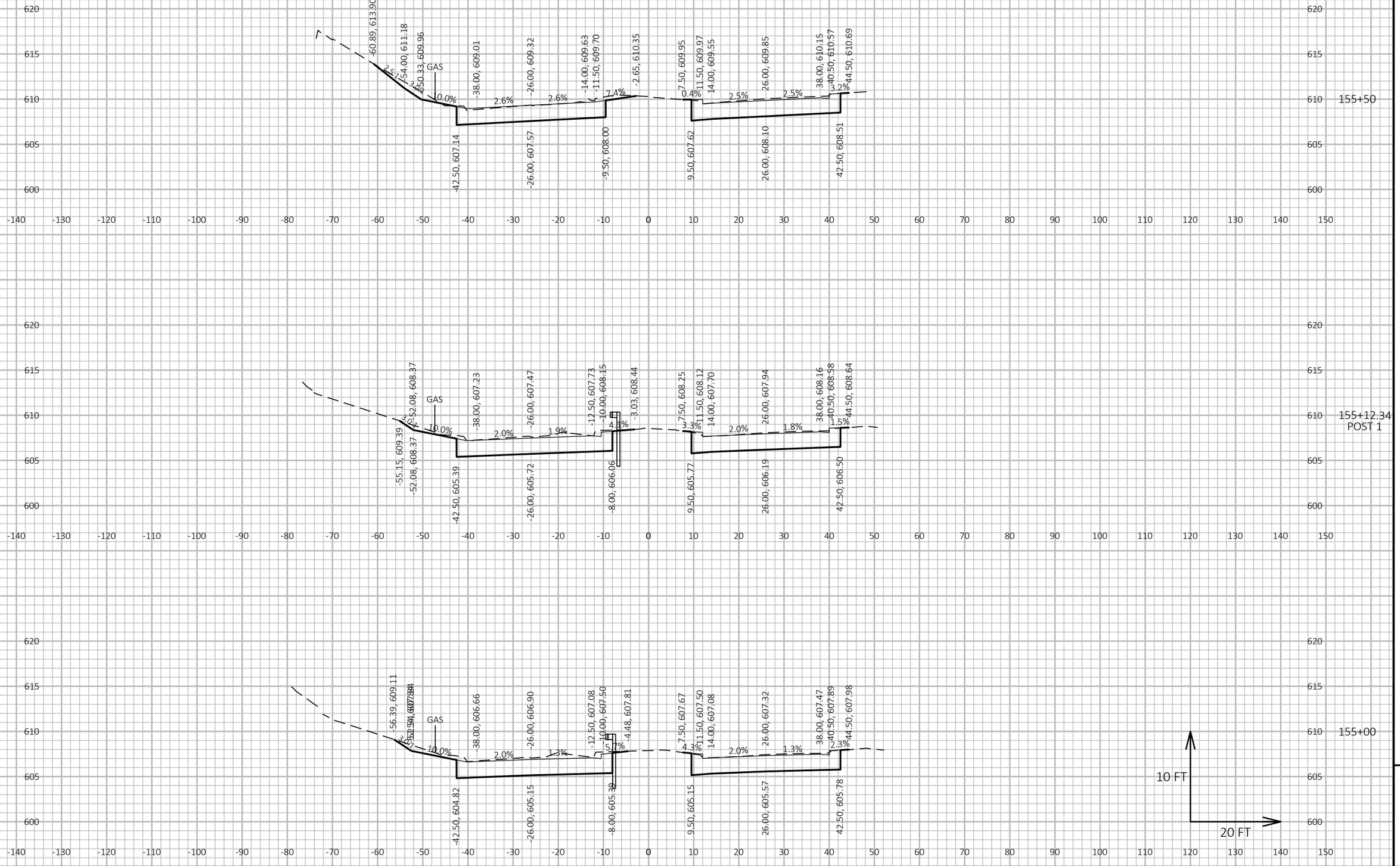


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 425	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090203_xs

PLOT DATE : 8/28/2023 9:50 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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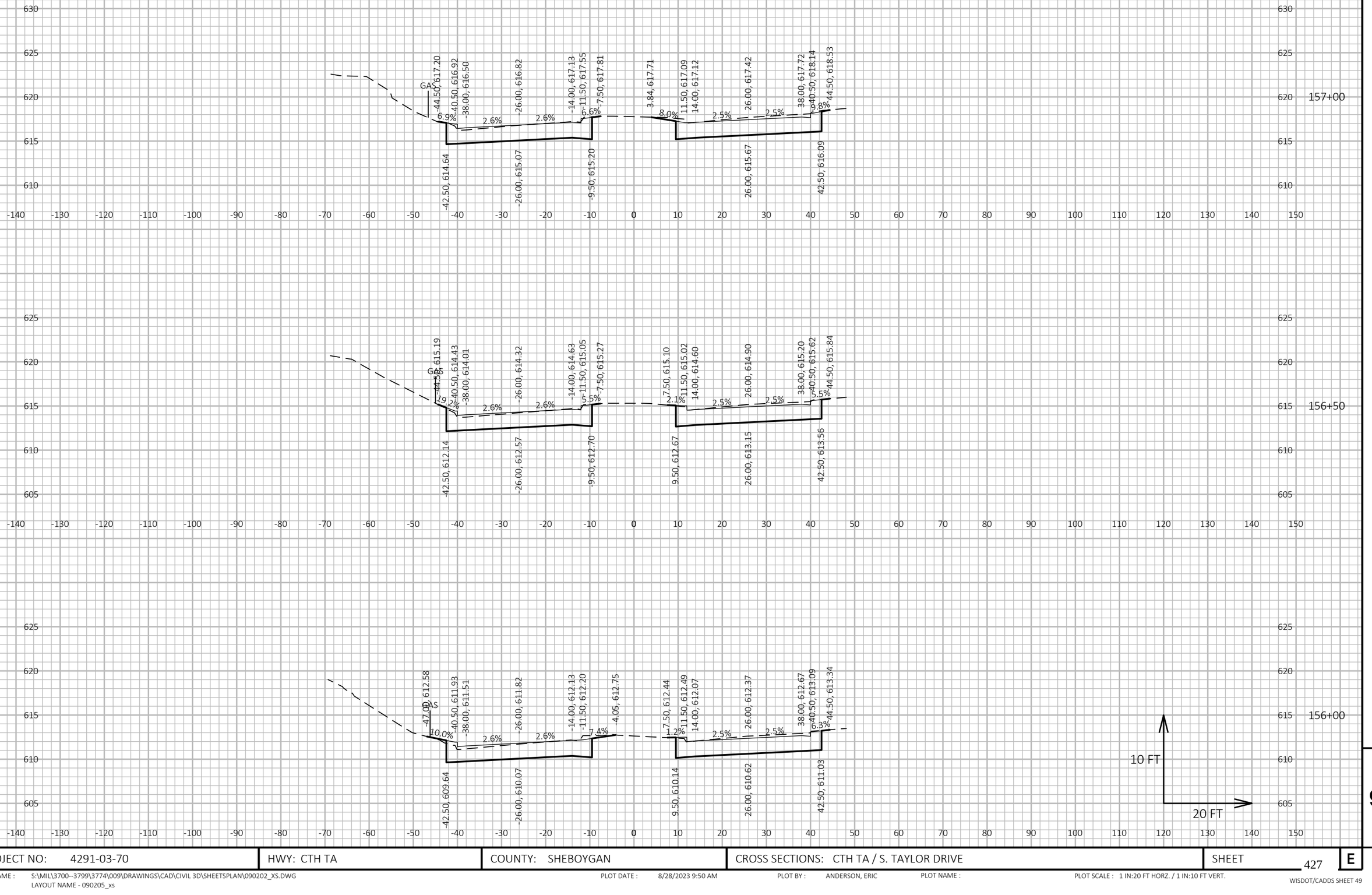
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 426	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090204_xs

PLOT DATE : 8/28/2023 9:50 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

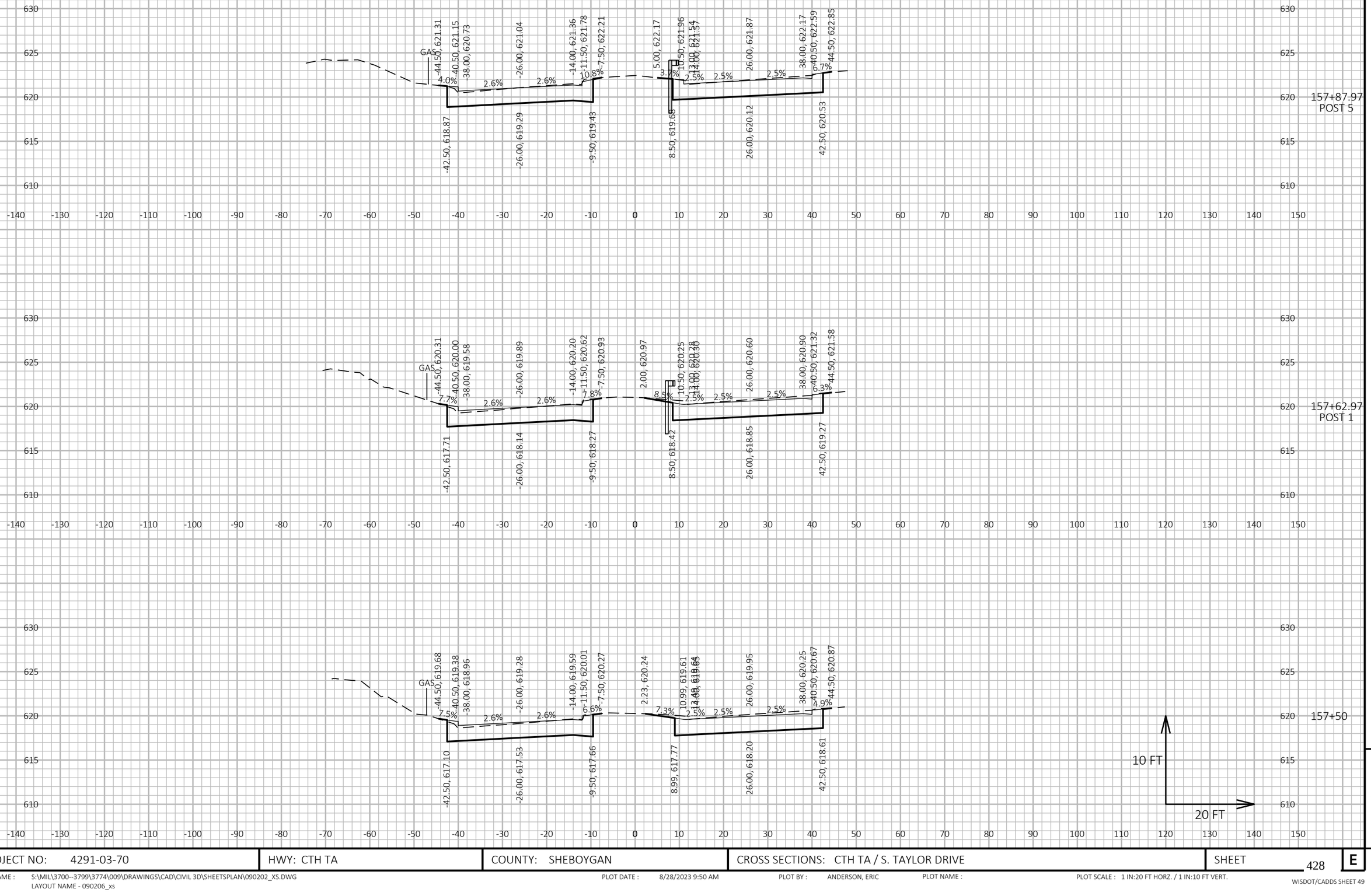


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 427 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090205_xs

PLOT DATE : 8/28/2023 9:50 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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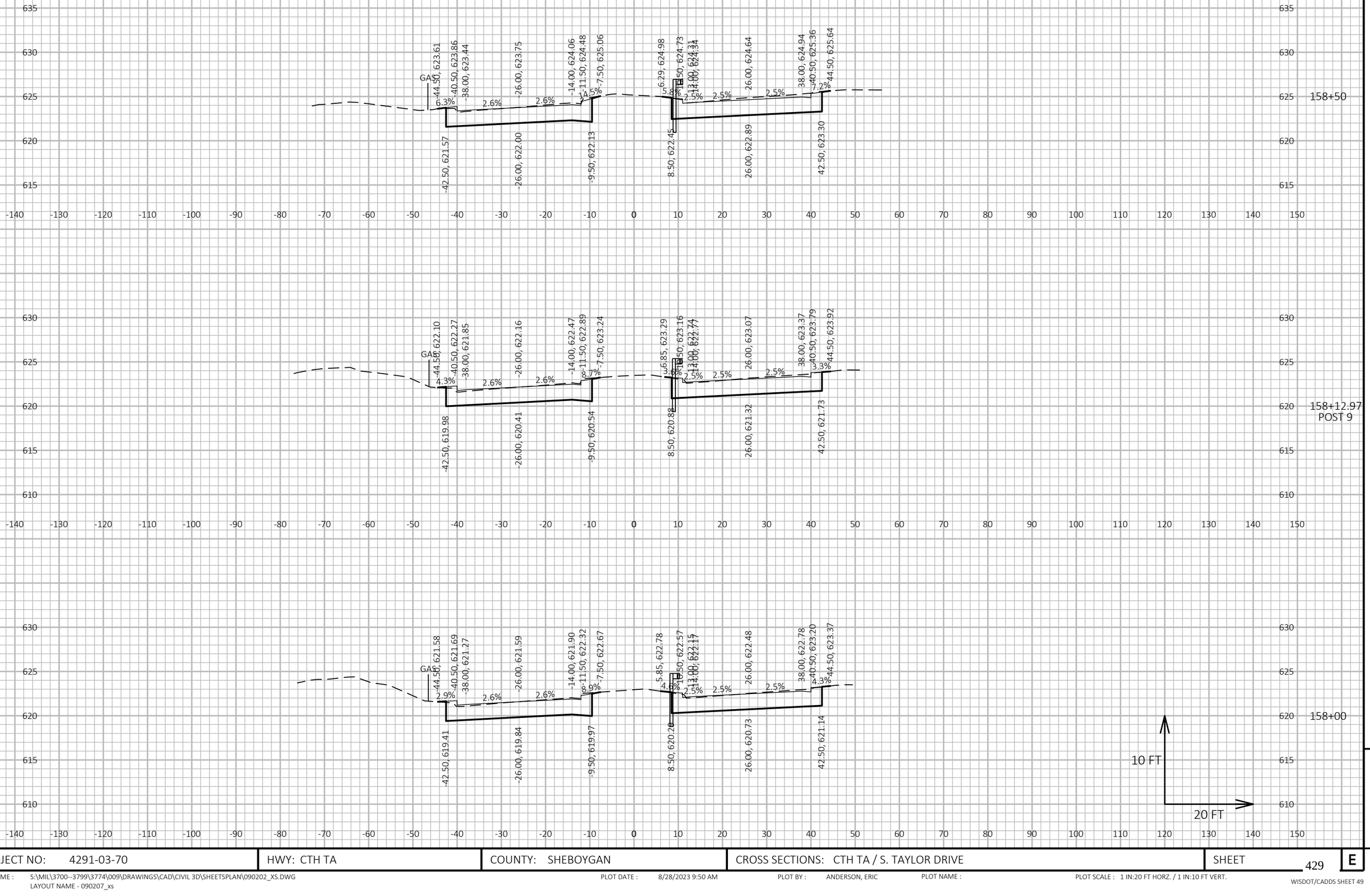
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 428	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090206_xs
PLOT DATE : 8/28/2023 9:50 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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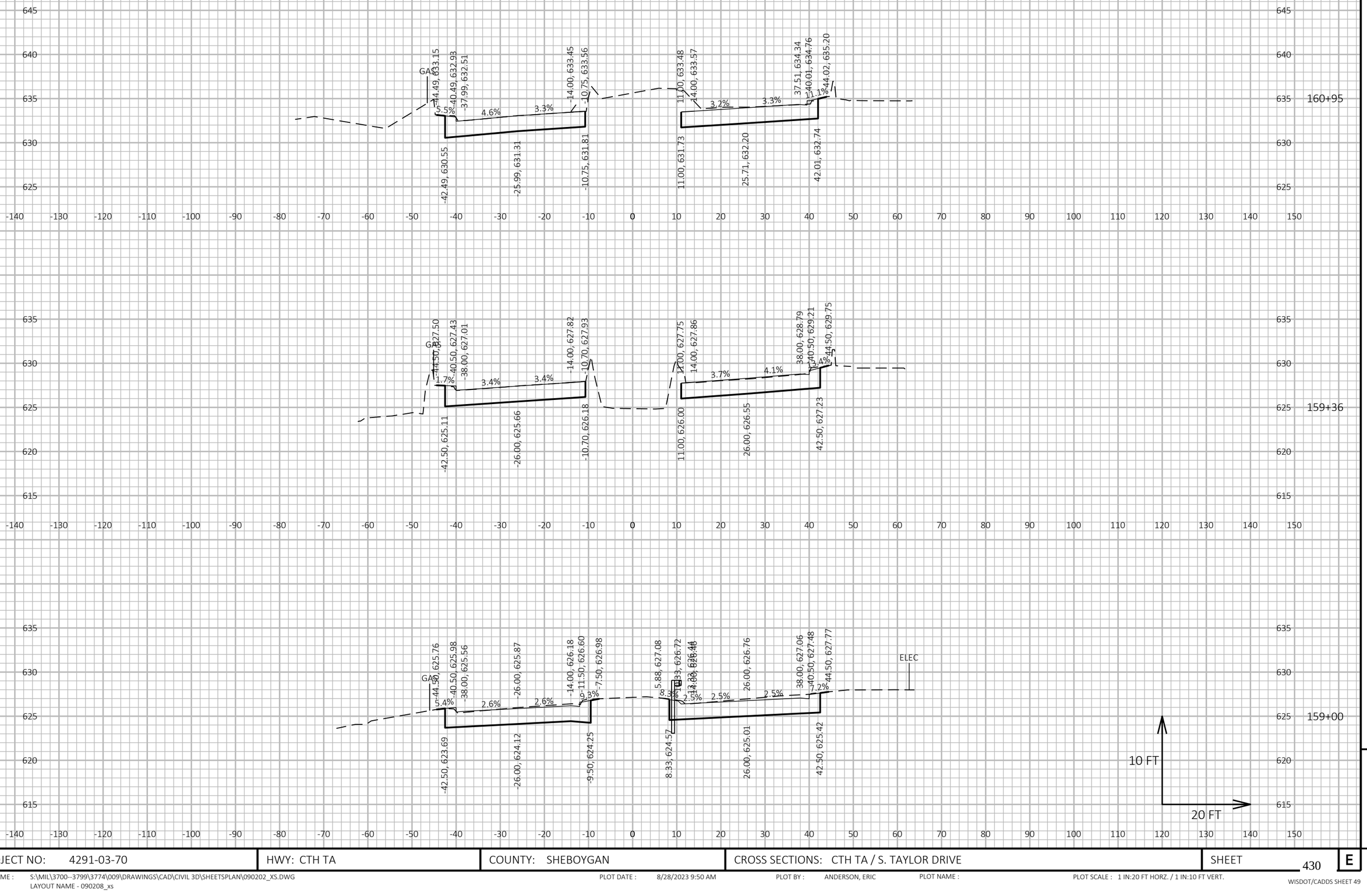
9

PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 429	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090207_xs

PLOT DATE : 8/28/2023 9:50 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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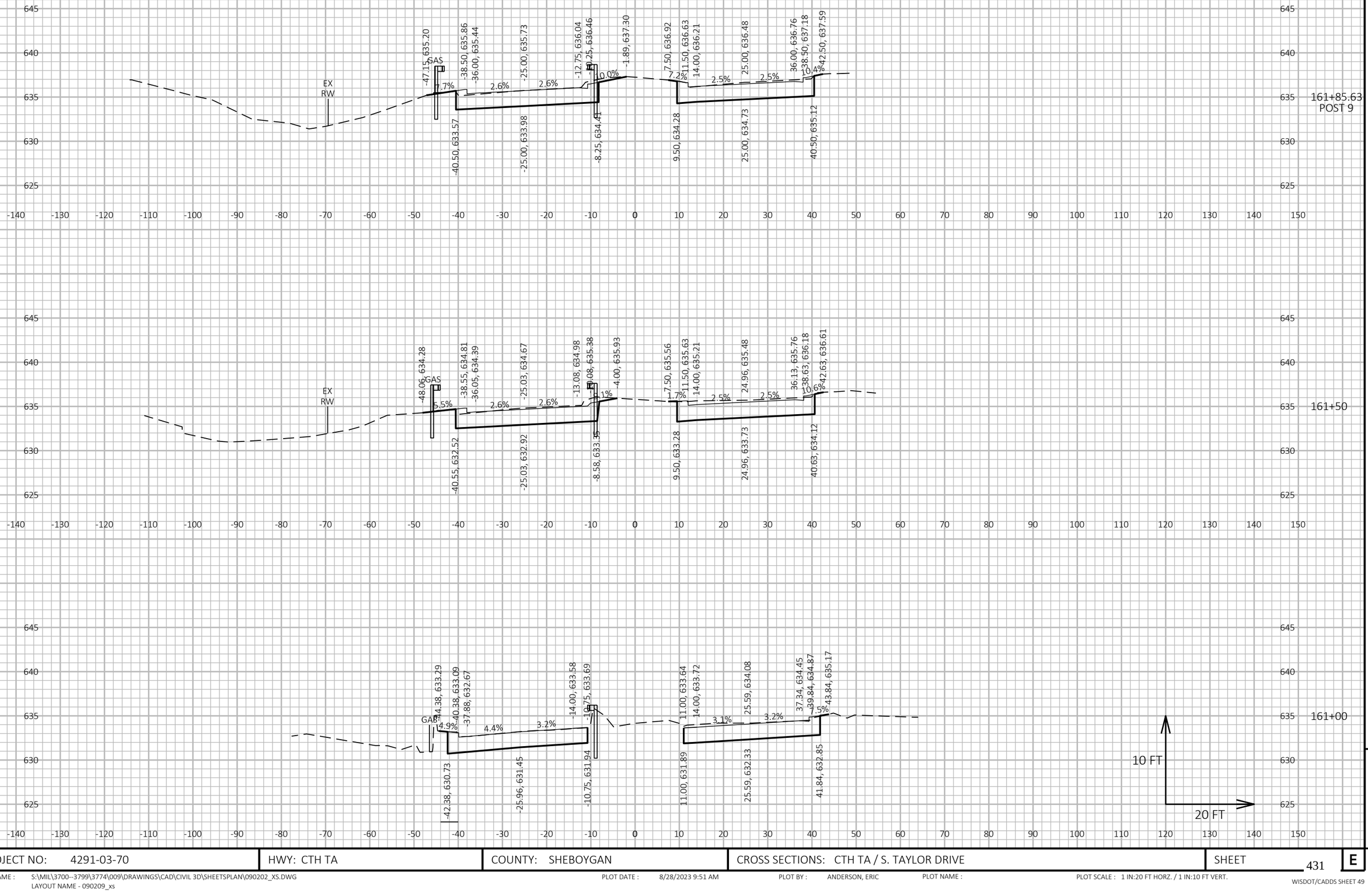
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 430	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090208_xs

PLOT DATE : 8/28/2023 9:50 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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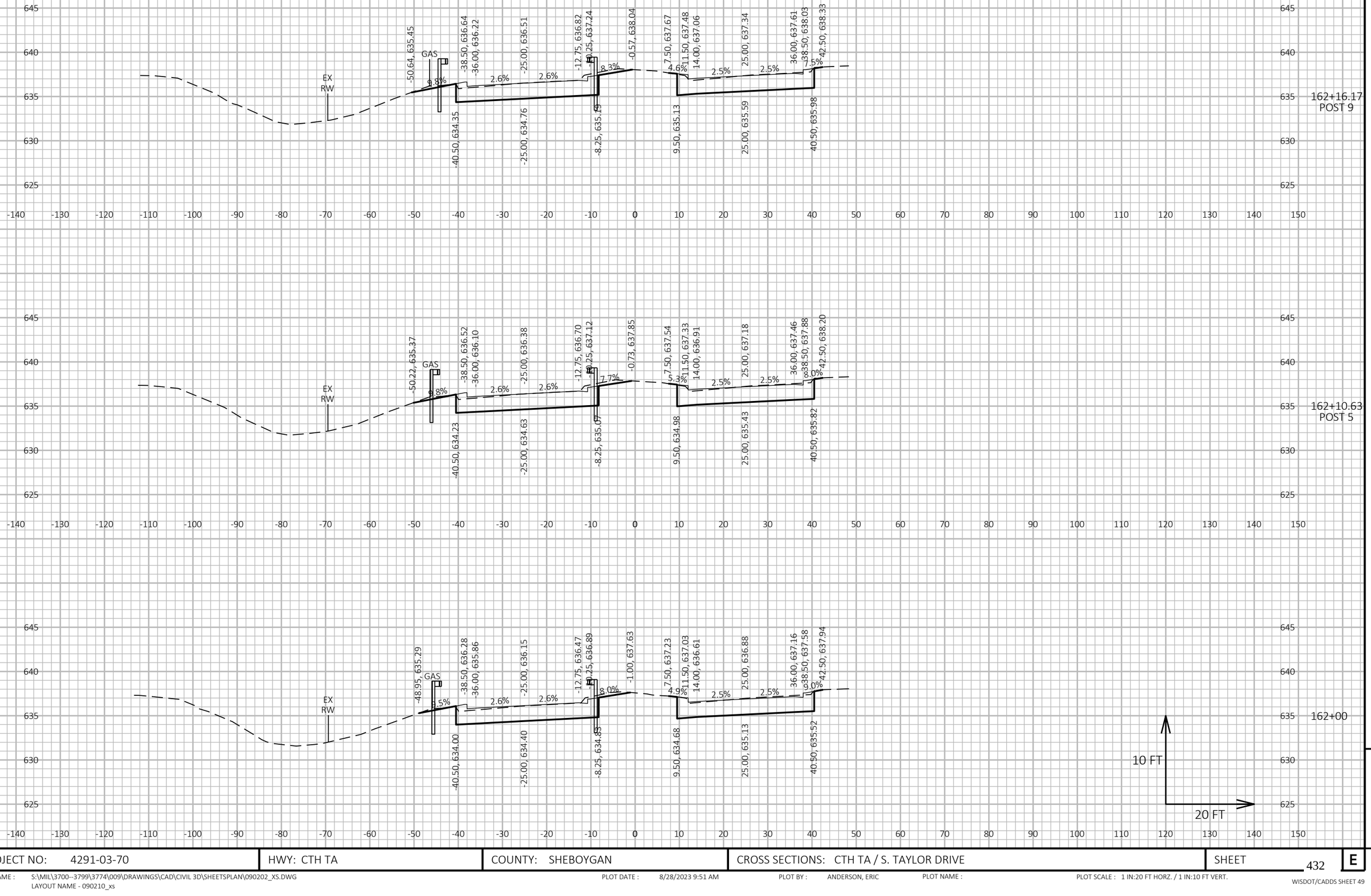
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 431	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090209_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 432	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090210_xs

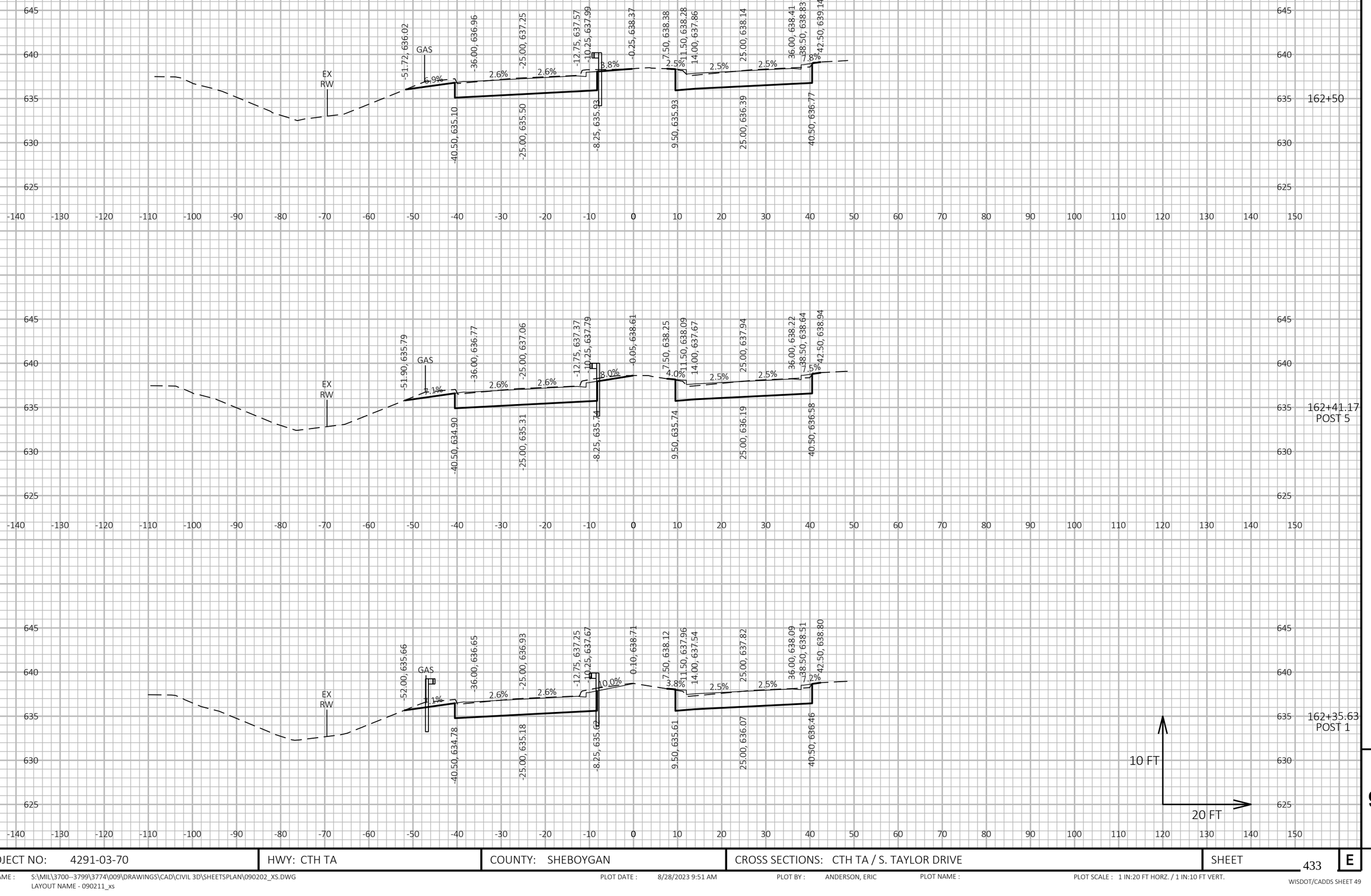
PLOT DATE : 8/28/2023 9:51 AM

PLOT BY : ANDERSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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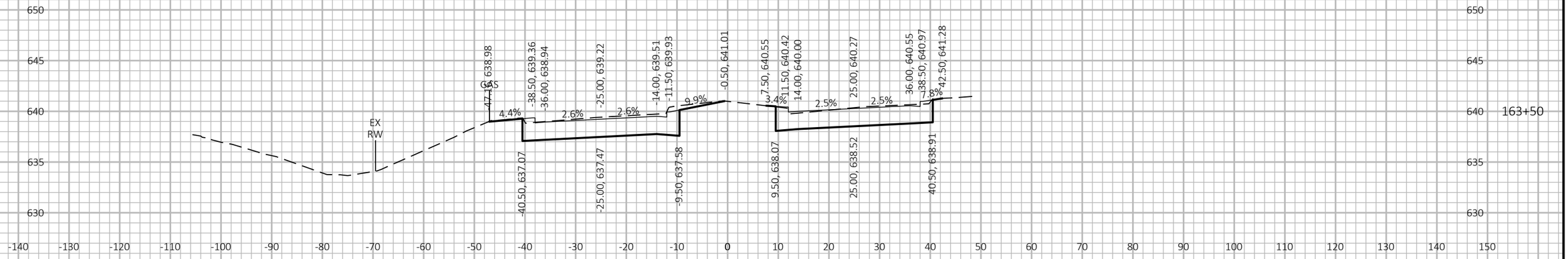
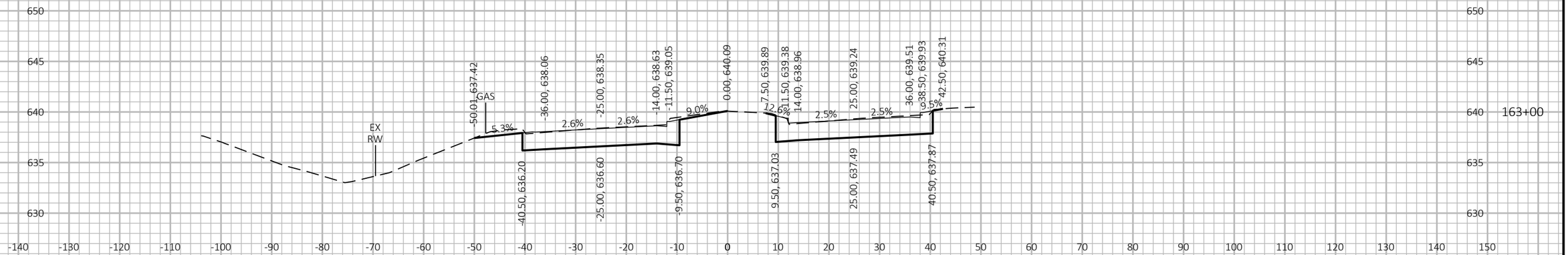
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 433	E

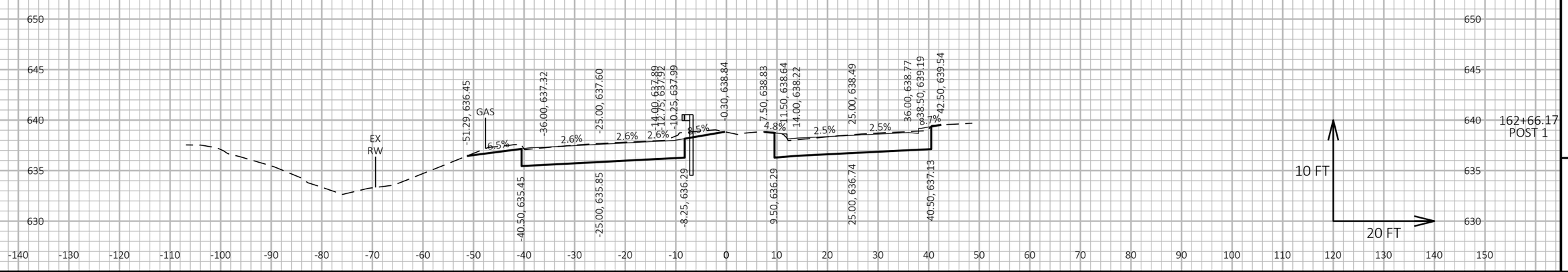
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090211_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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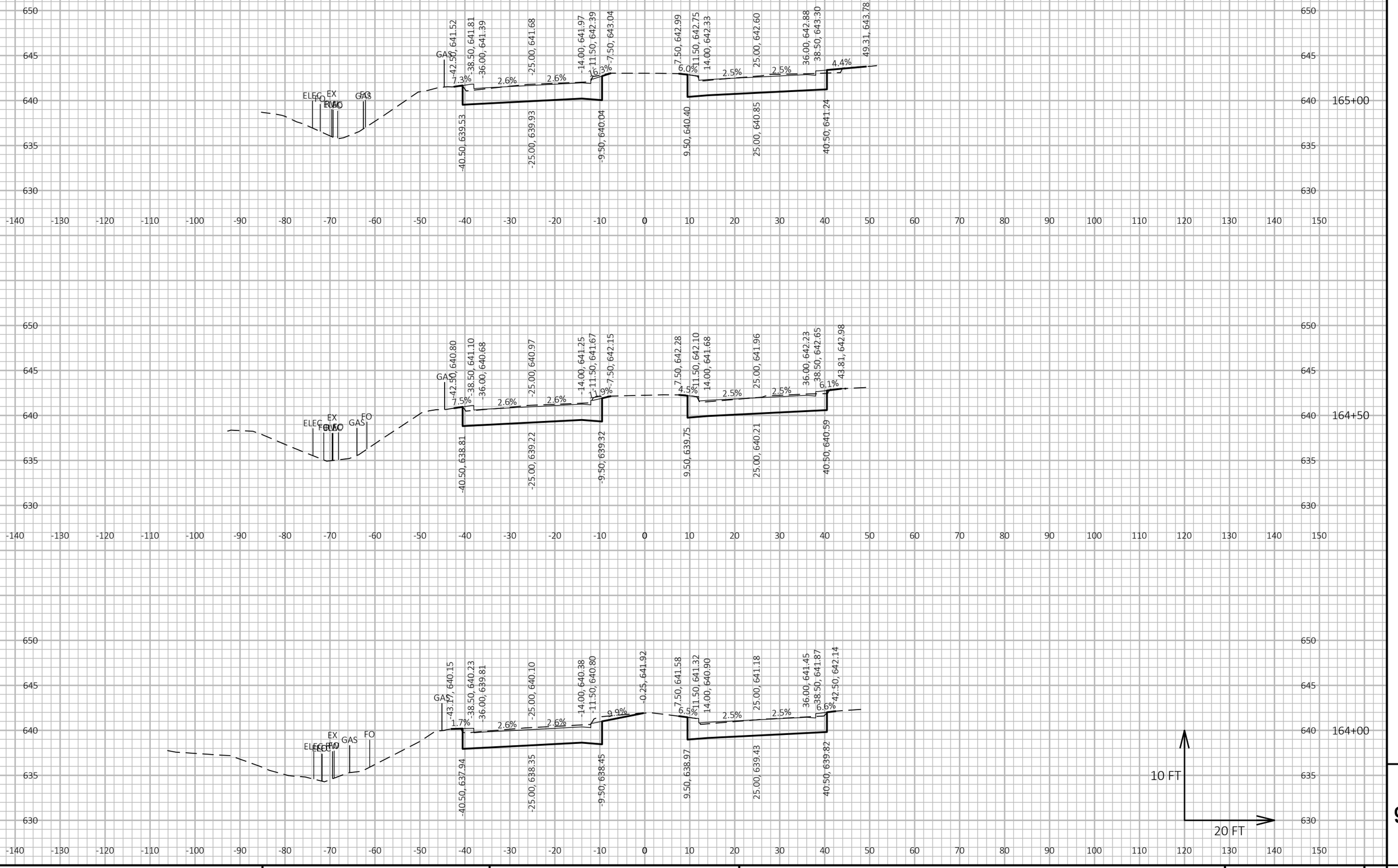
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 434	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090212_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 435	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090213_xs

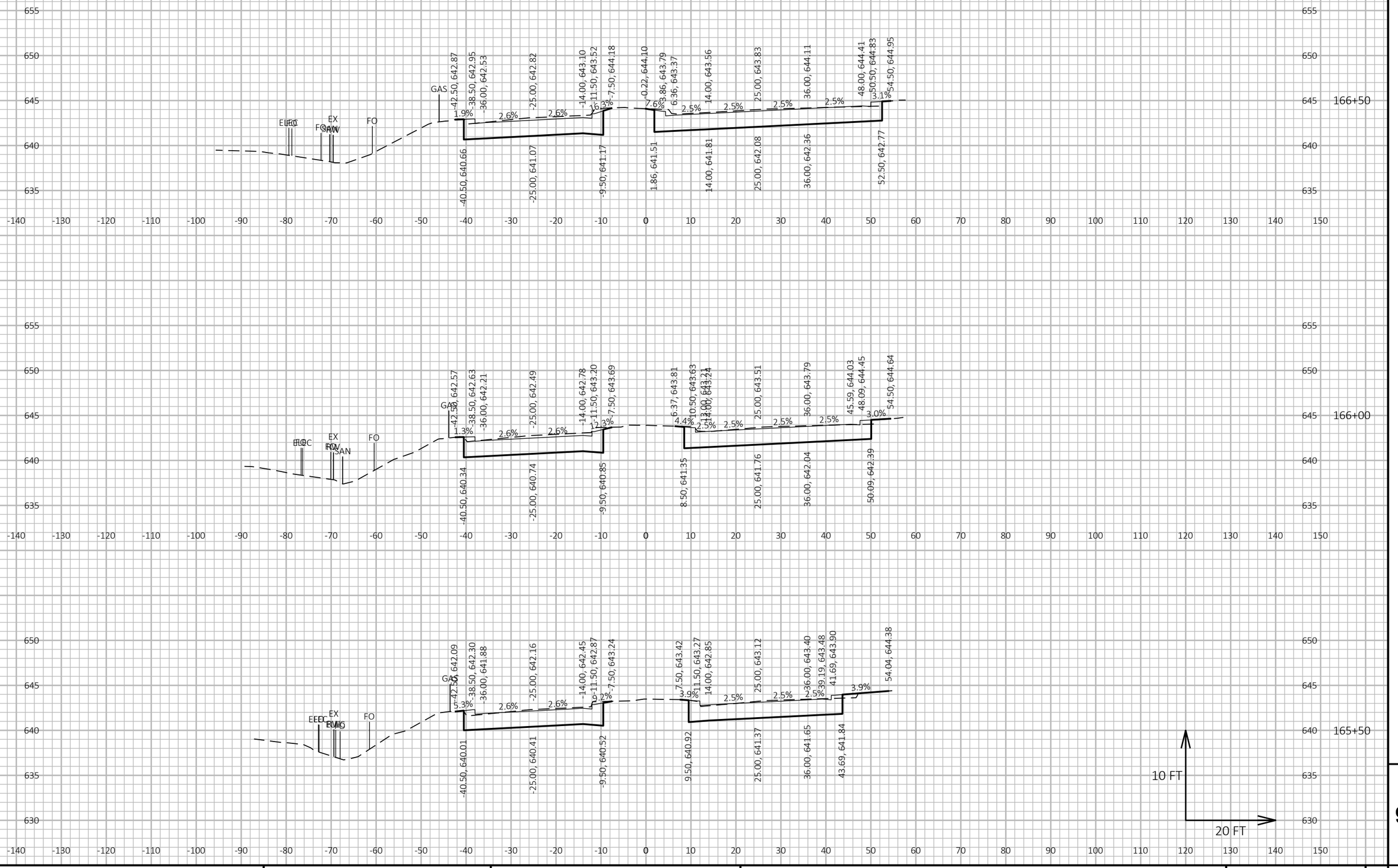
PLOT DATE : 8/28/2023 9:51 AM

PLOT BY : ANDERSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 436	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090214_xs

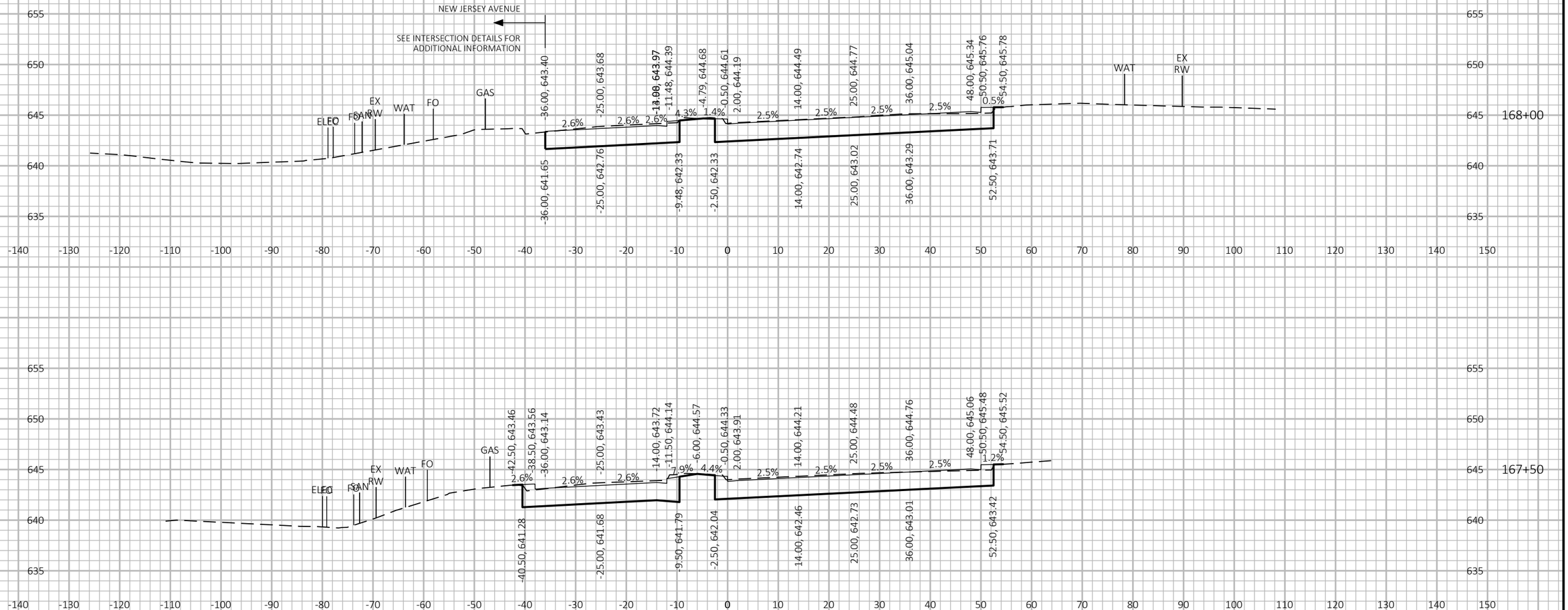
PLOT DATE : 8/28/2023 9:51 AM

PLOT BY : ANDERSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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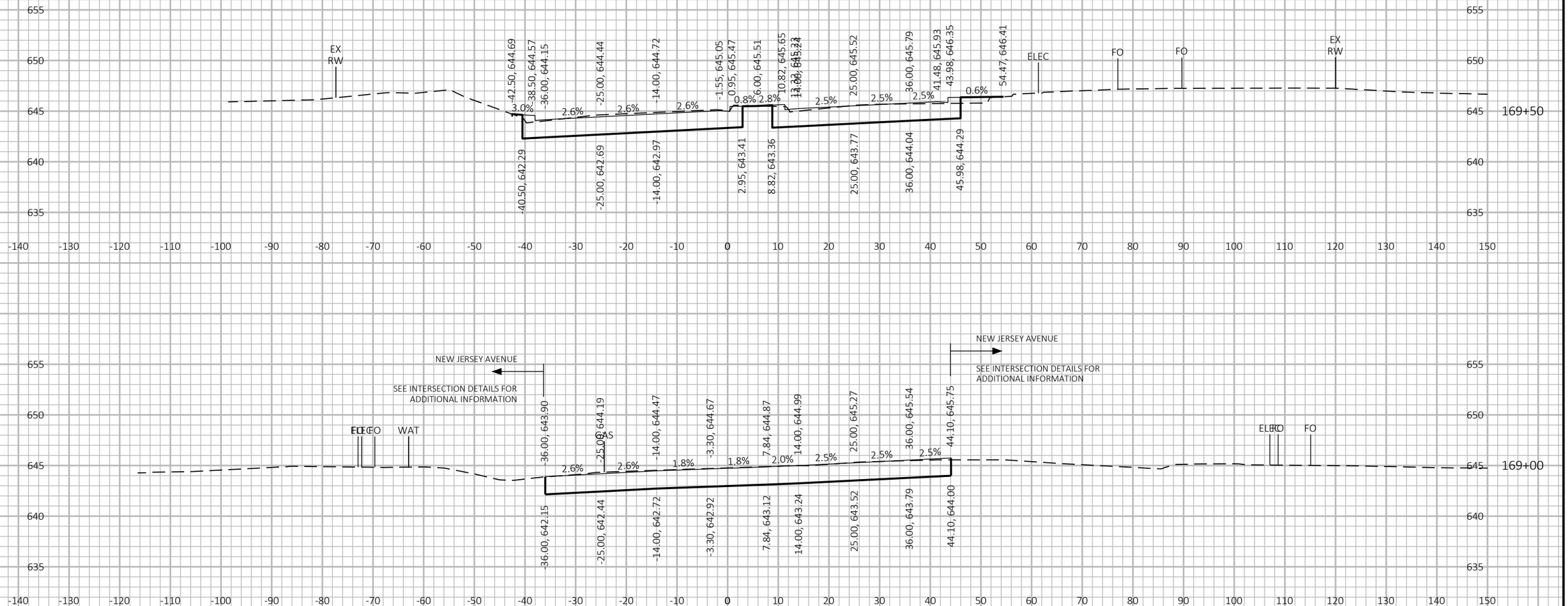
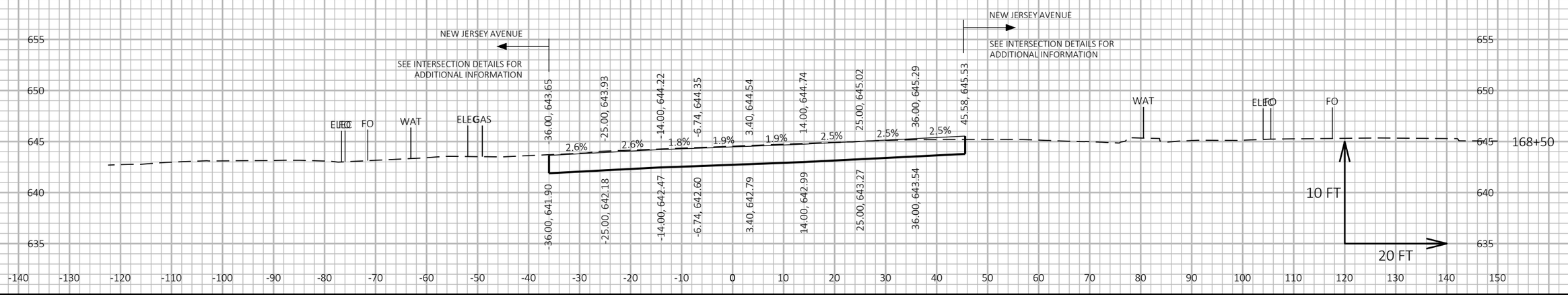
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 437	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090215_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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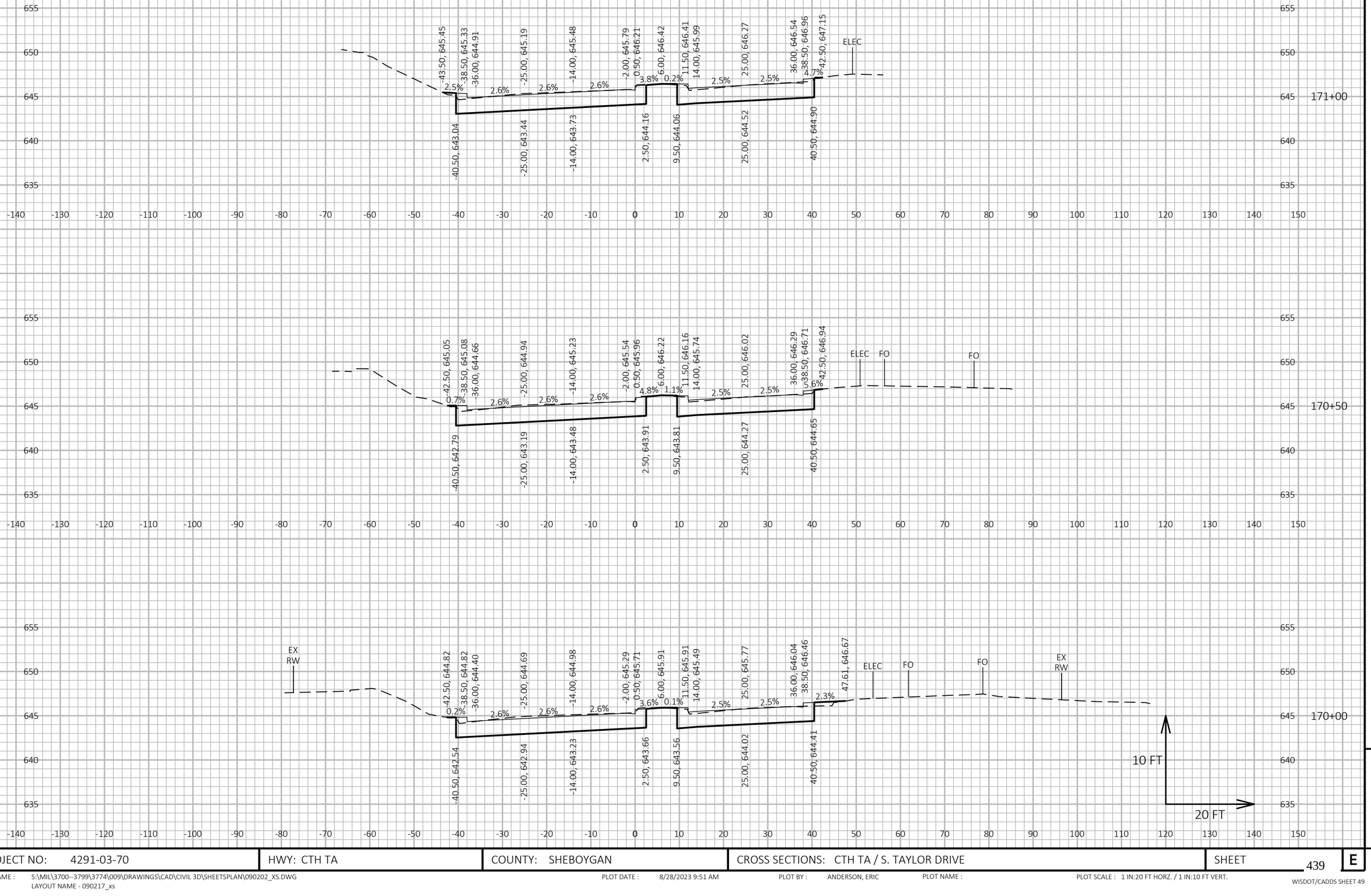
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 438	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090216_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 439	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090217_xs

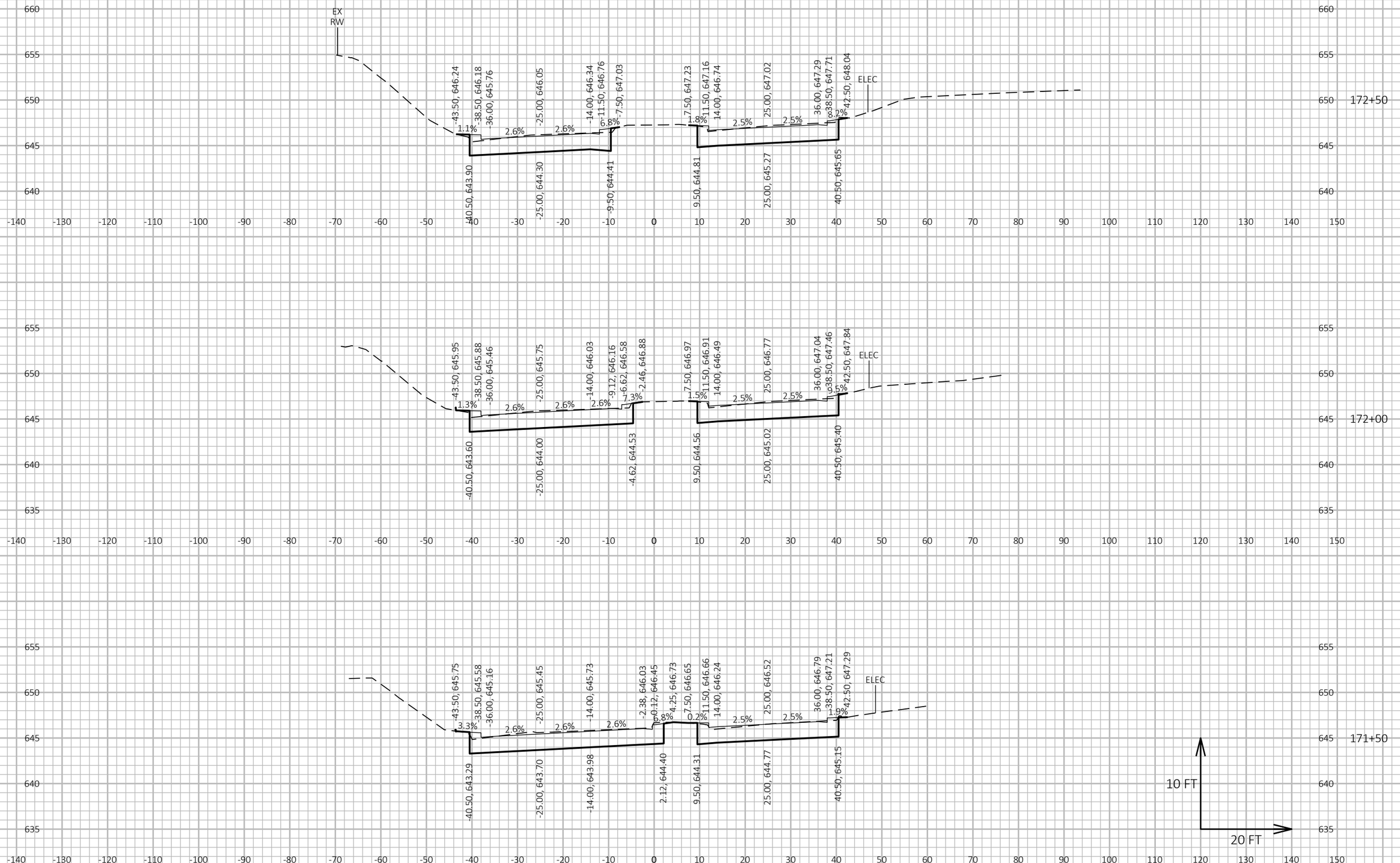
PLOT DATE : 8/28/2023 9:51 AM

PLOT BY : ANDERSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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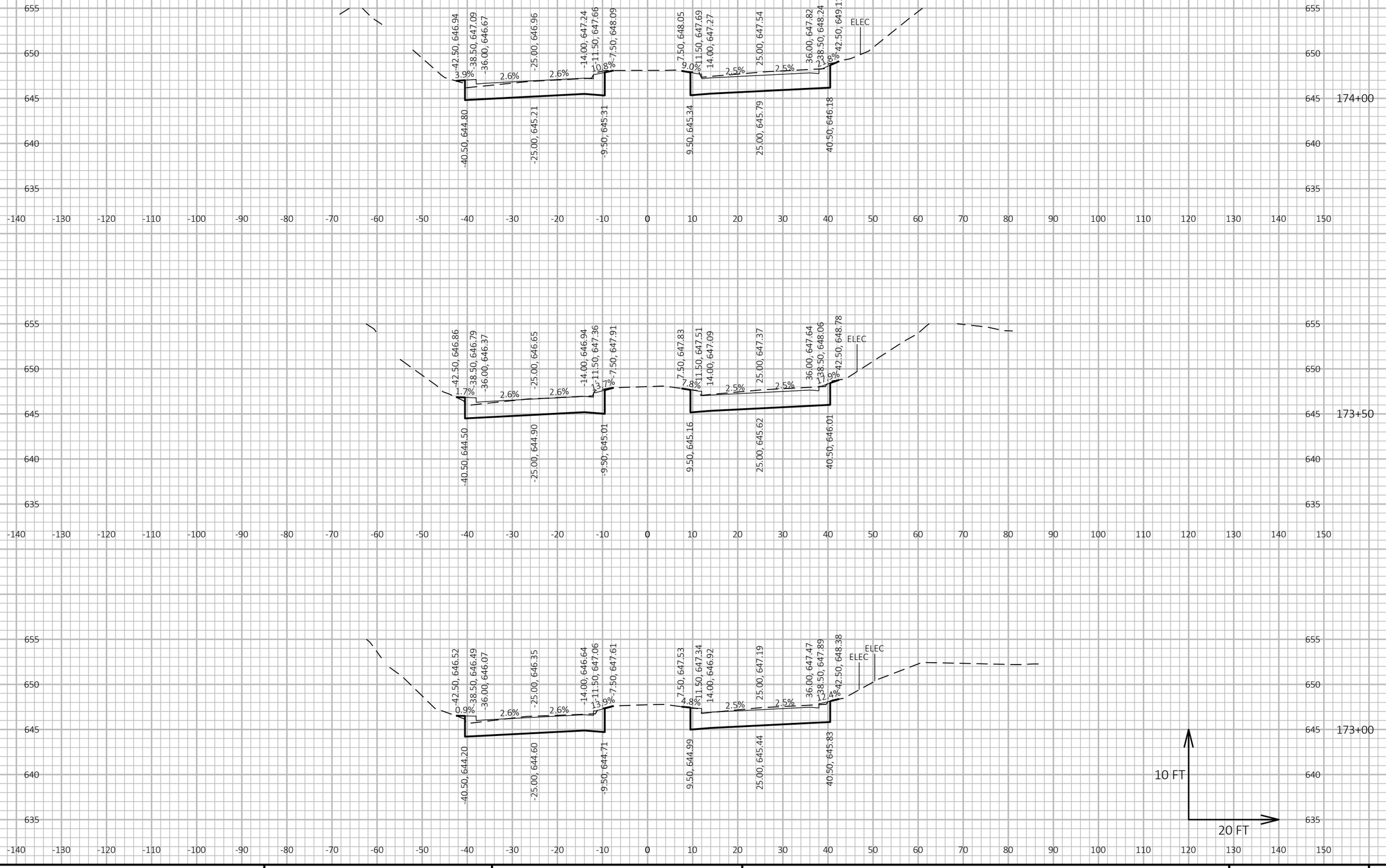
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 440	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090218_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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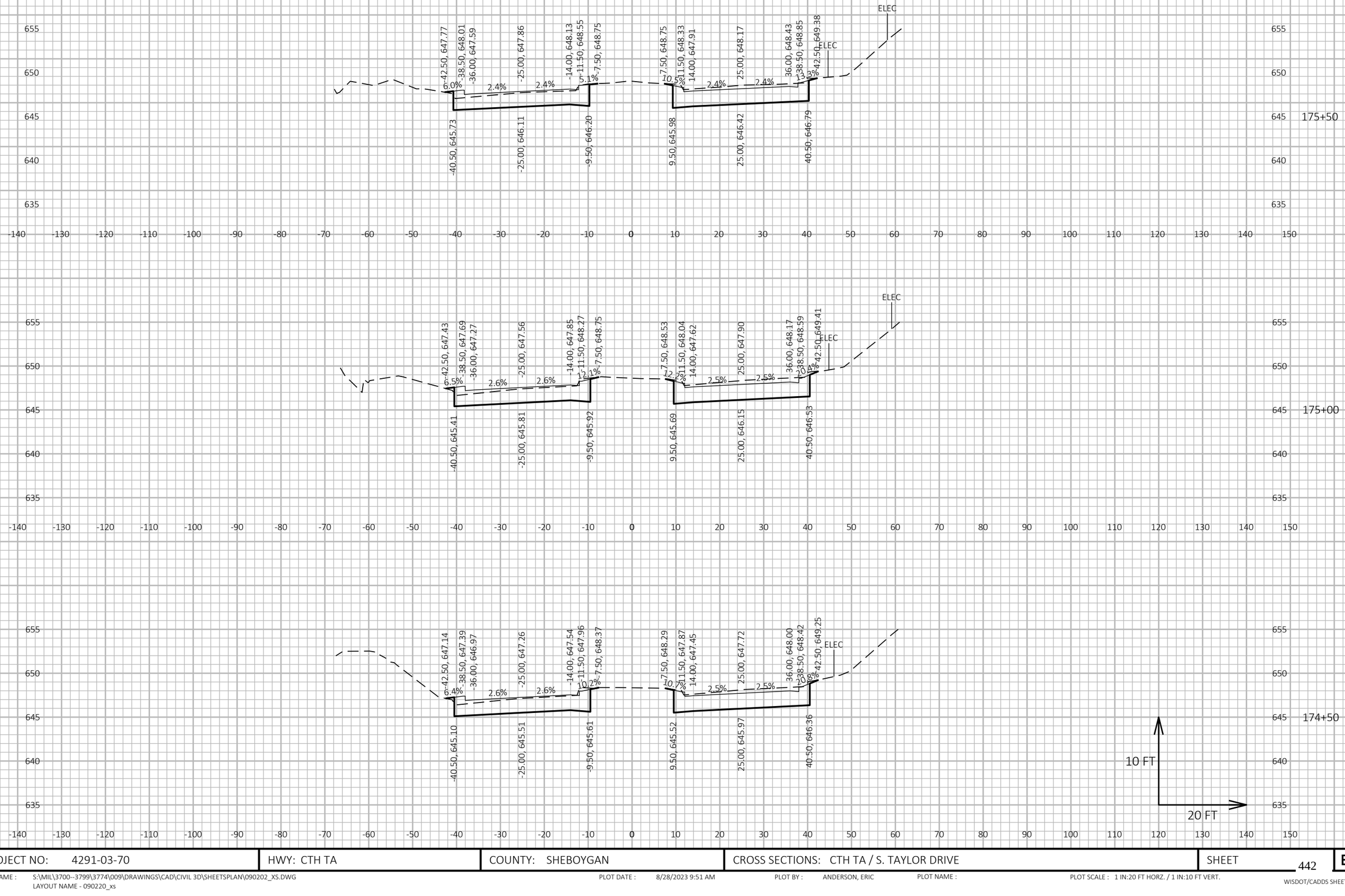
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 441	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090219_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 442	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090220_xs

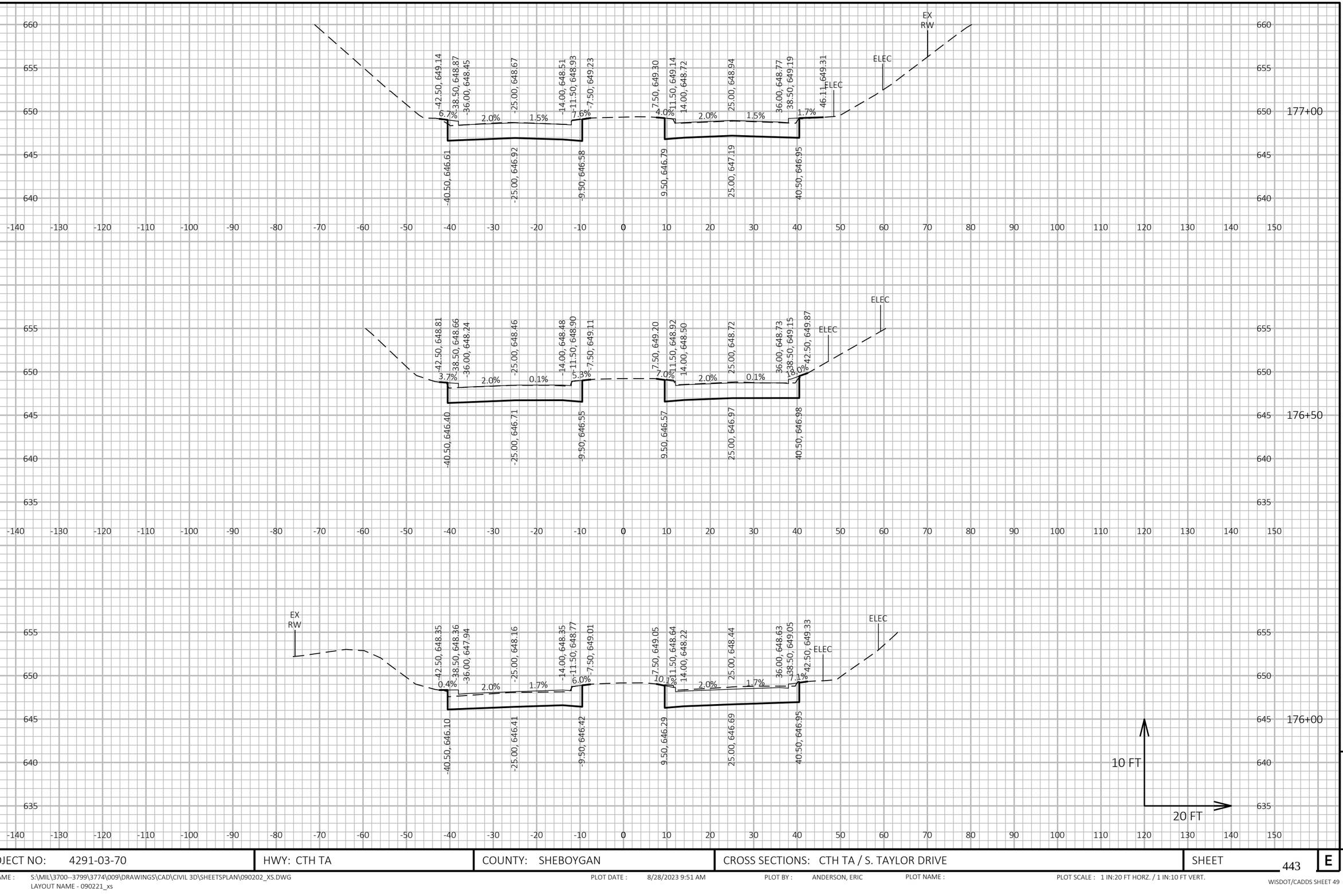
PLOT DATE : 8/28/2023 9:51 AM

PLOT BY : ANDERSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 443	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090221_xs

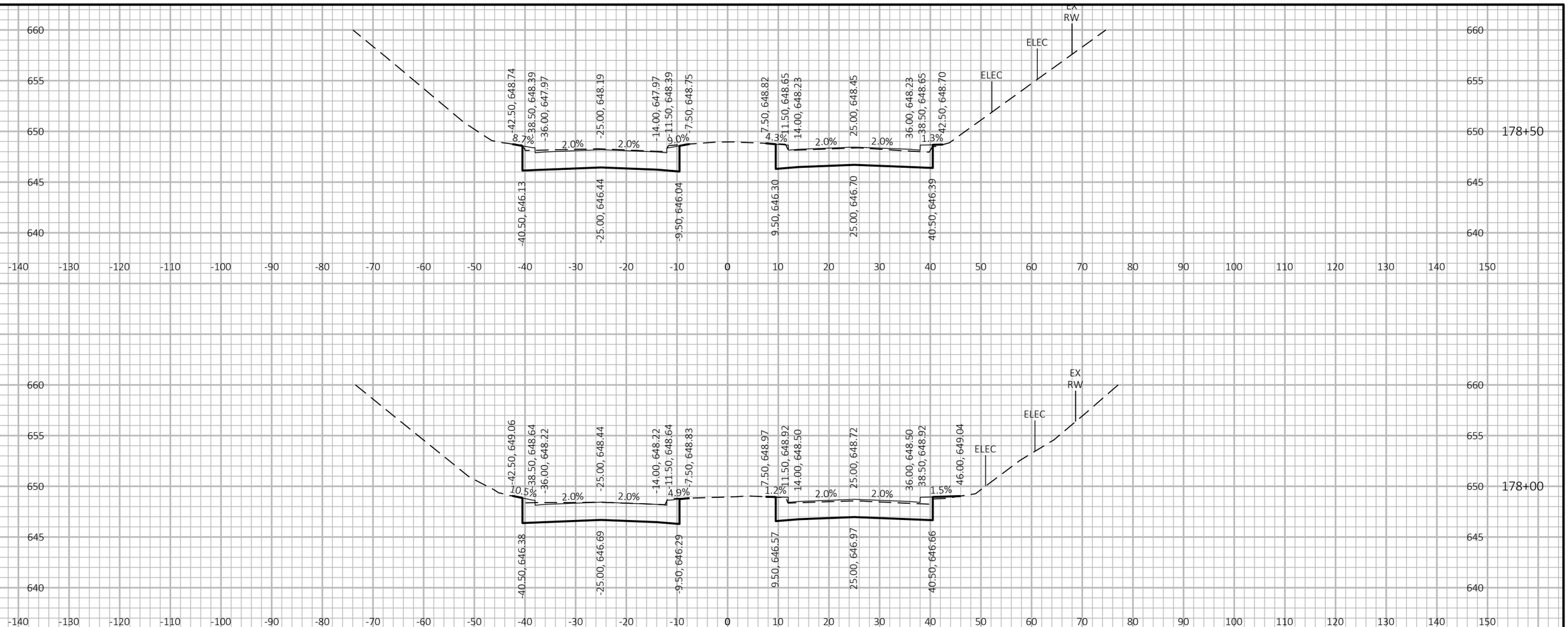
PLOT DATE : 8/28/2023 9:51 AM

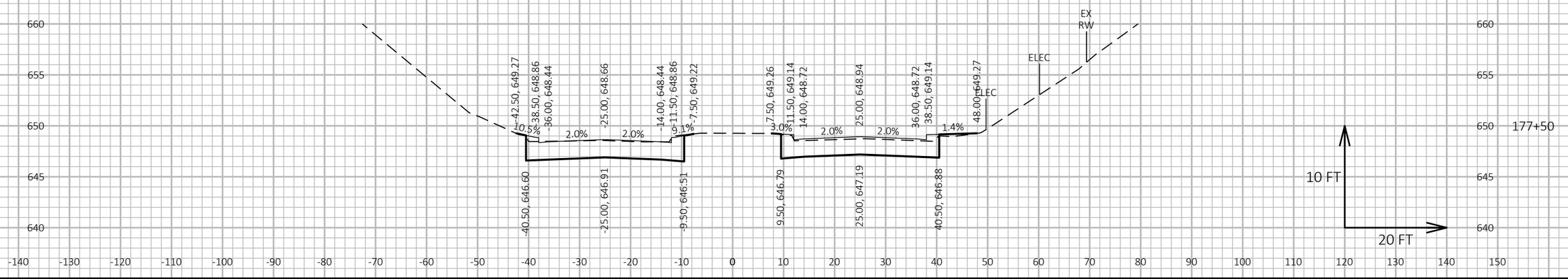
PLOT BY : ANDERSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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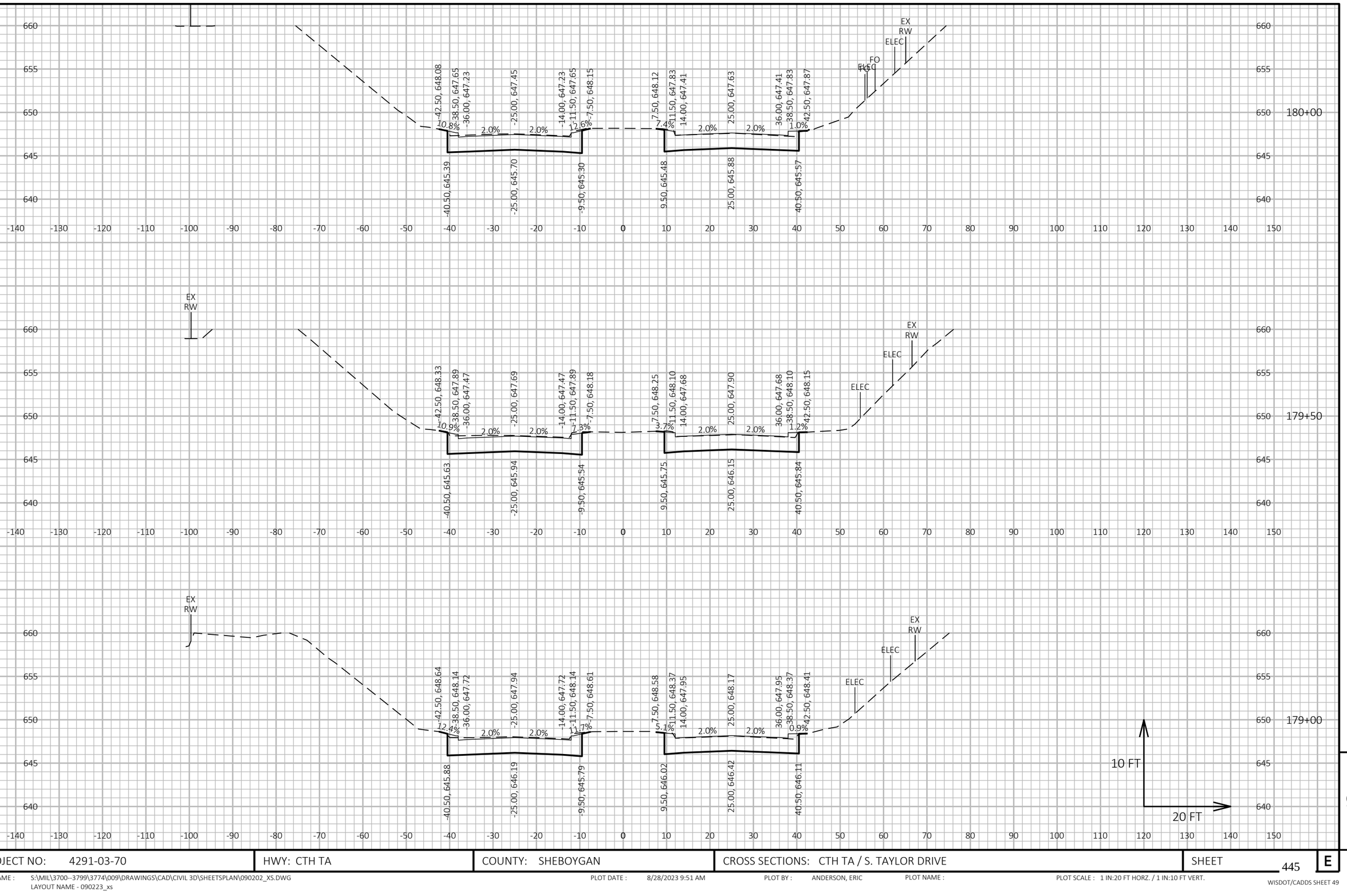
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 444	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090222_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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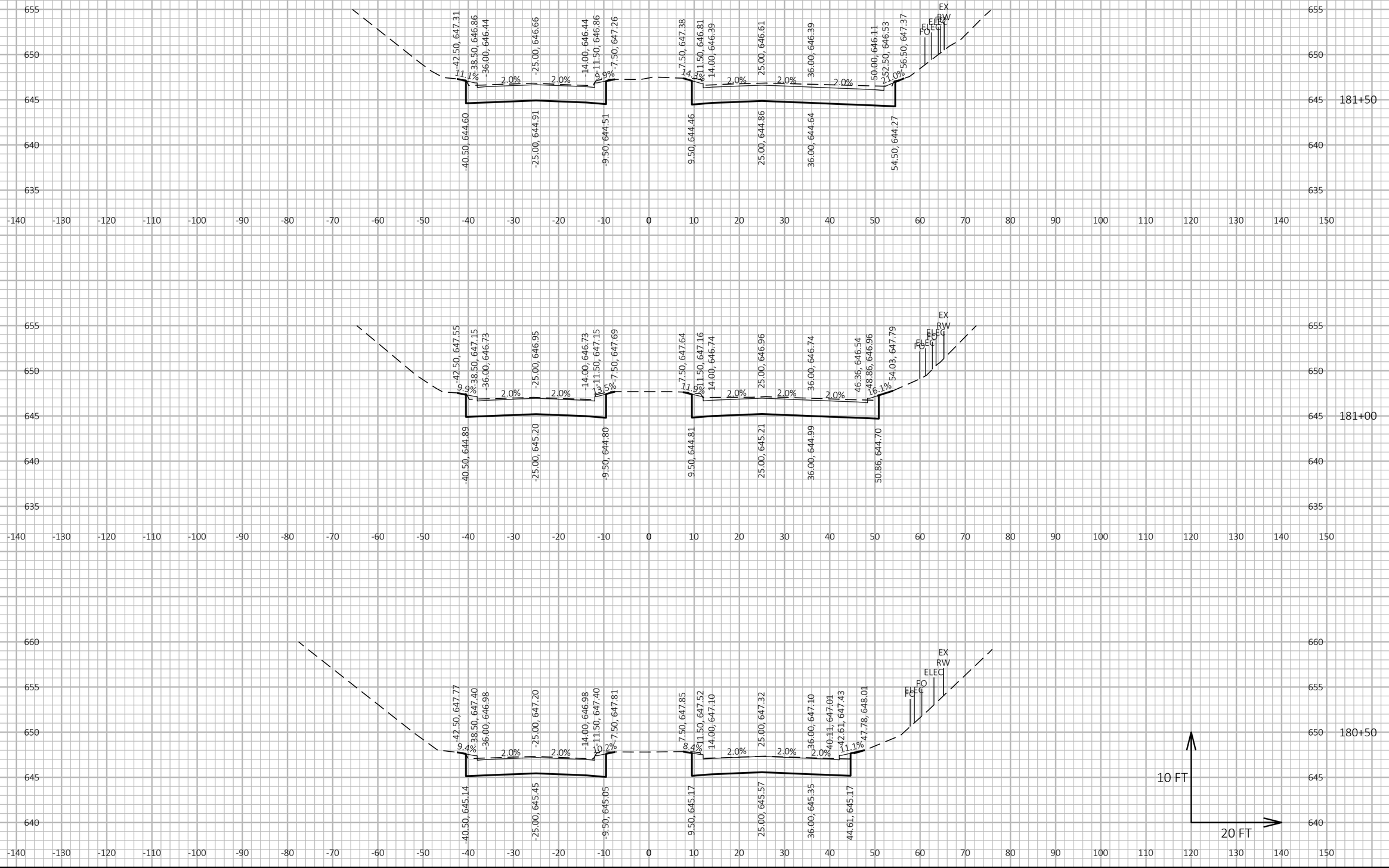
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 445	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090223_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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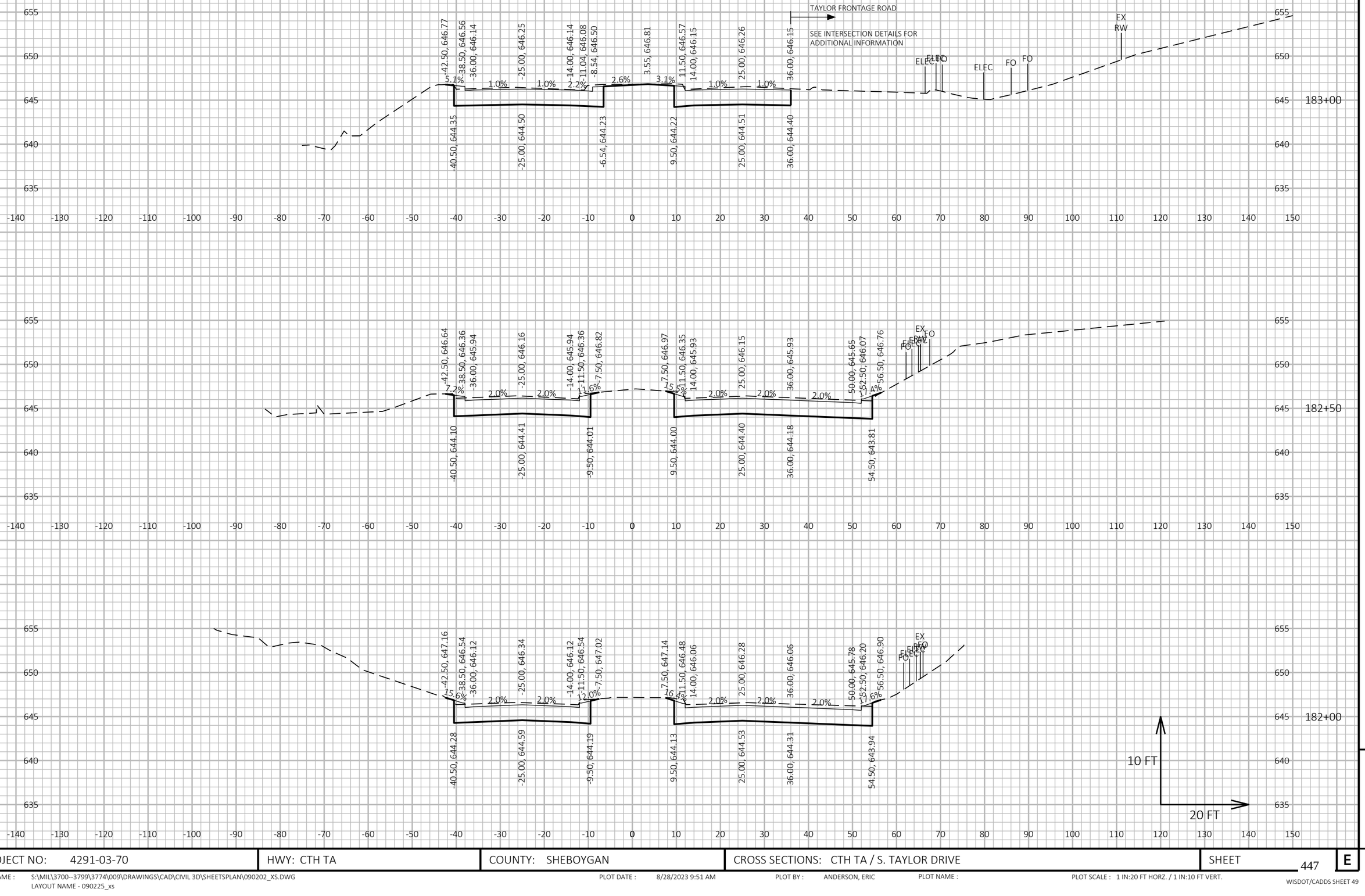
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 446	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090224_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

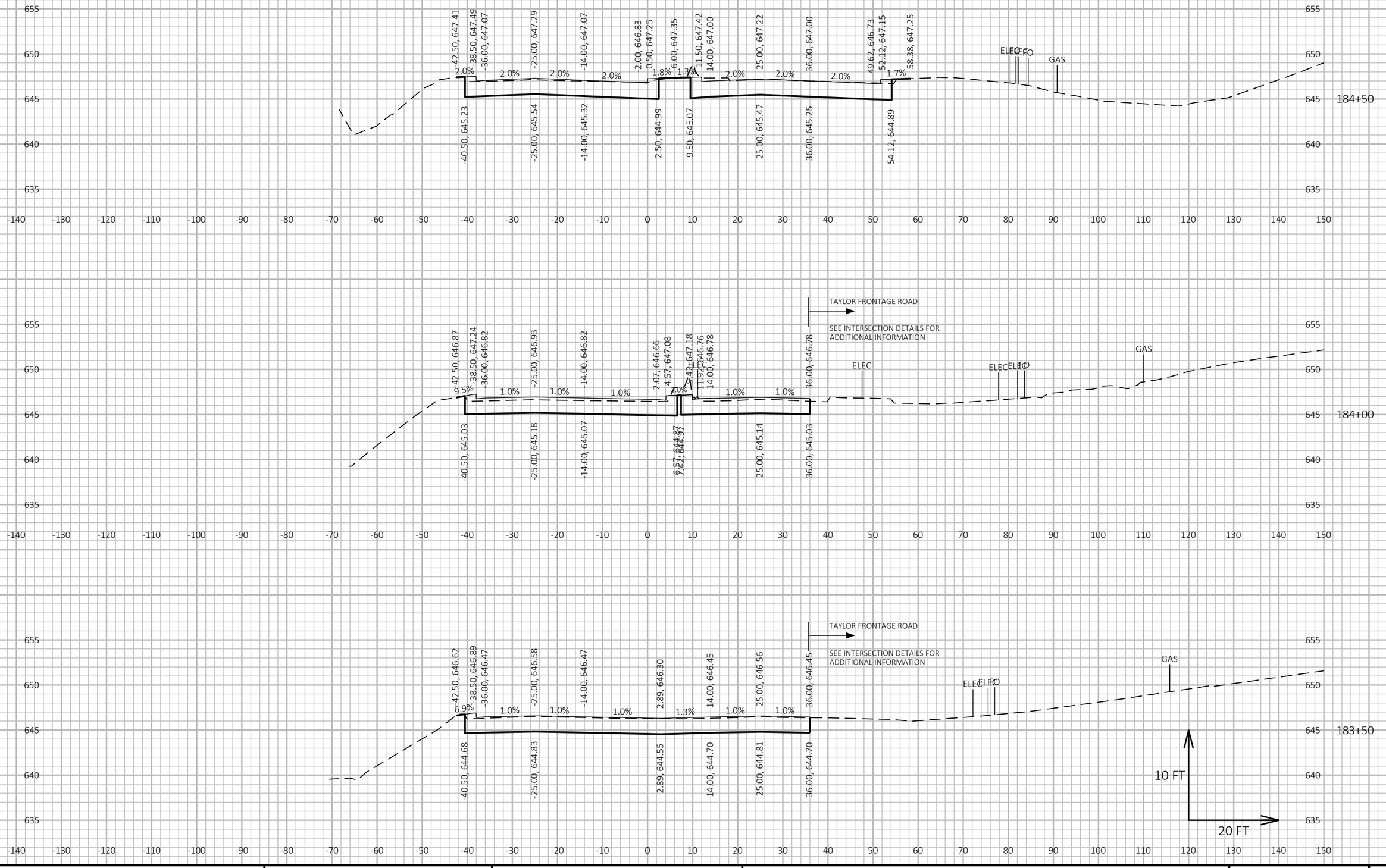


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 447 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090225_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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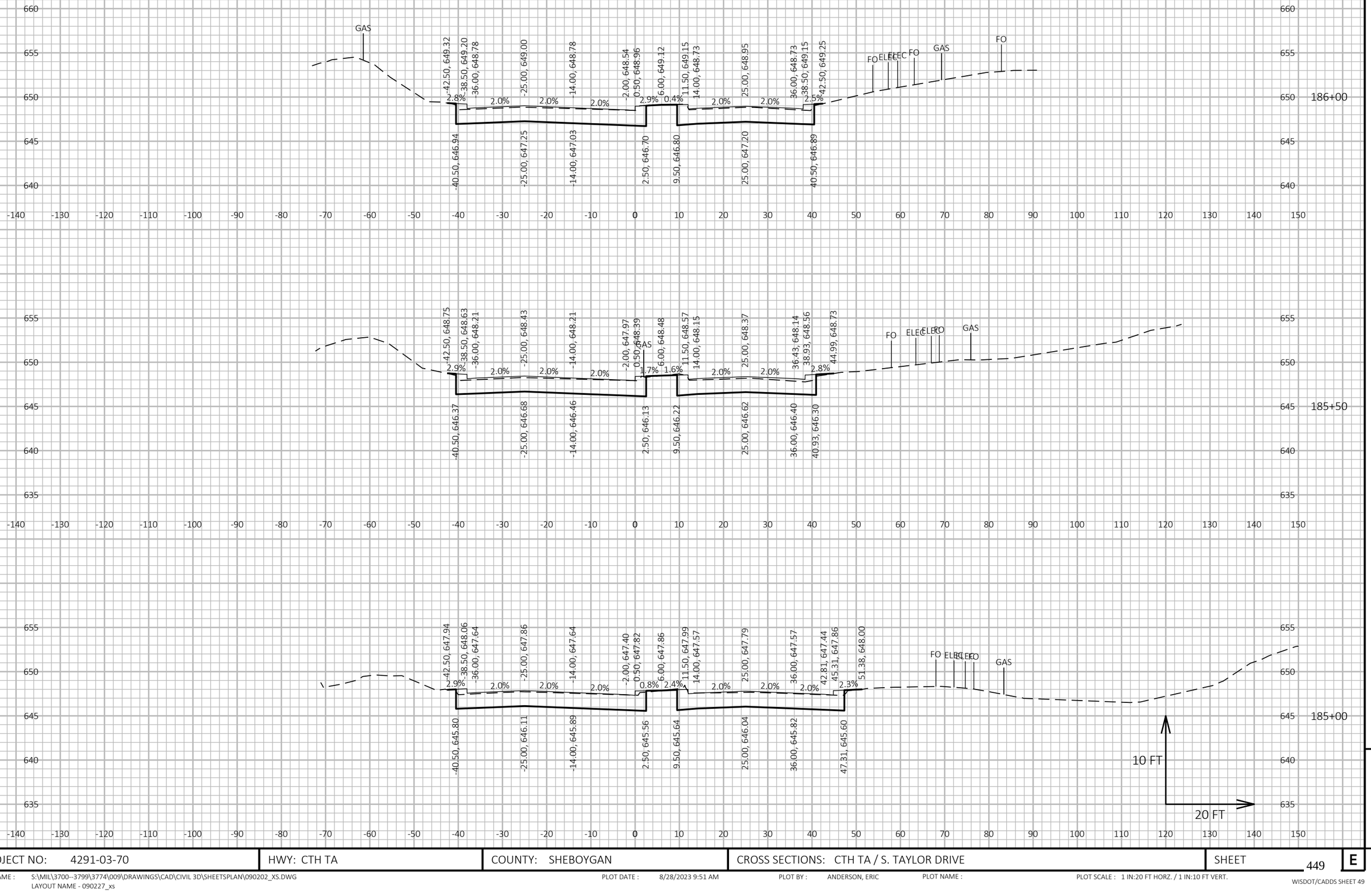
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 448	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090226_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 449	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090227_xs

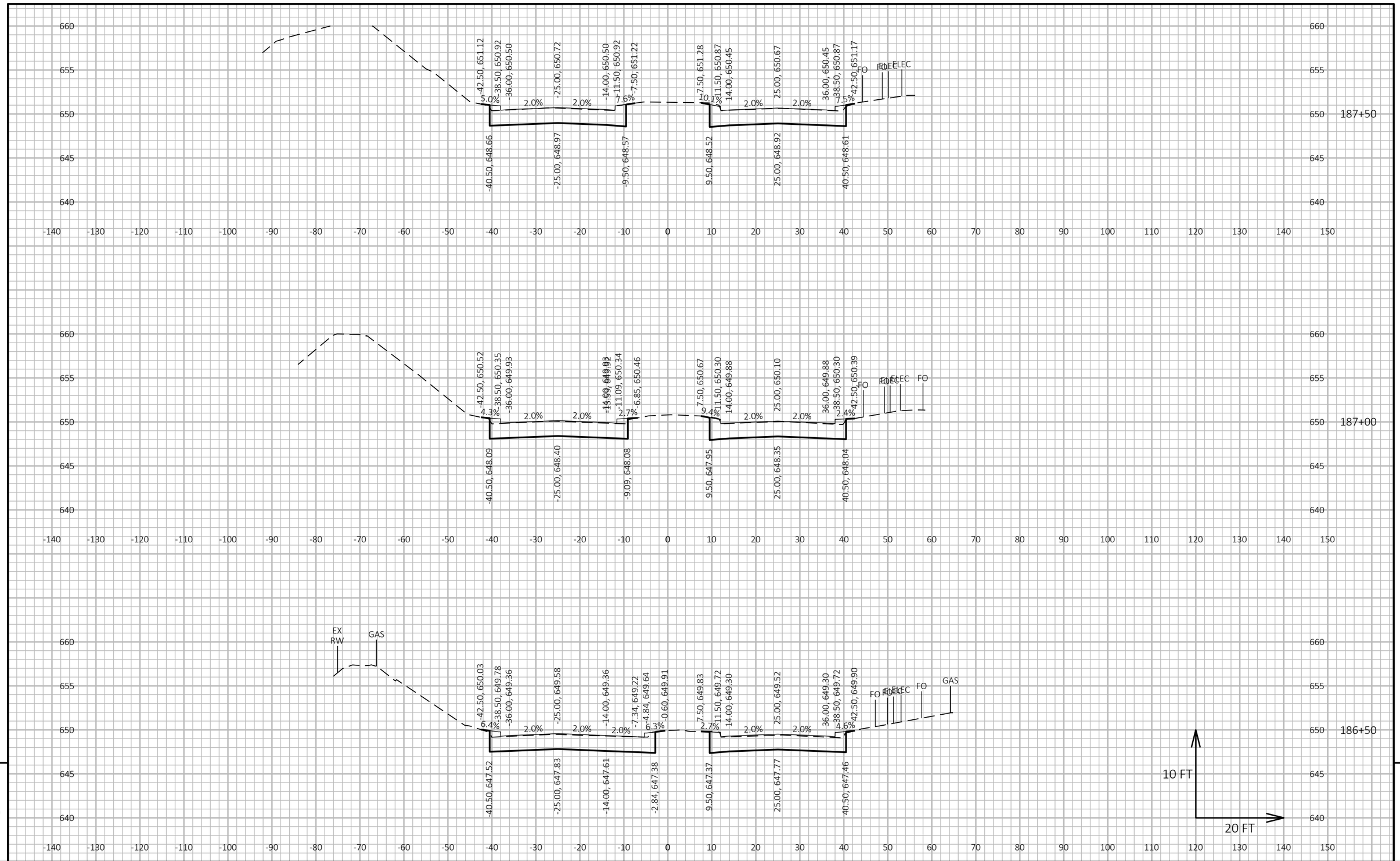
PLOT DATE : 8/28/2023 9:51 AM

PLOT BY : ANDERSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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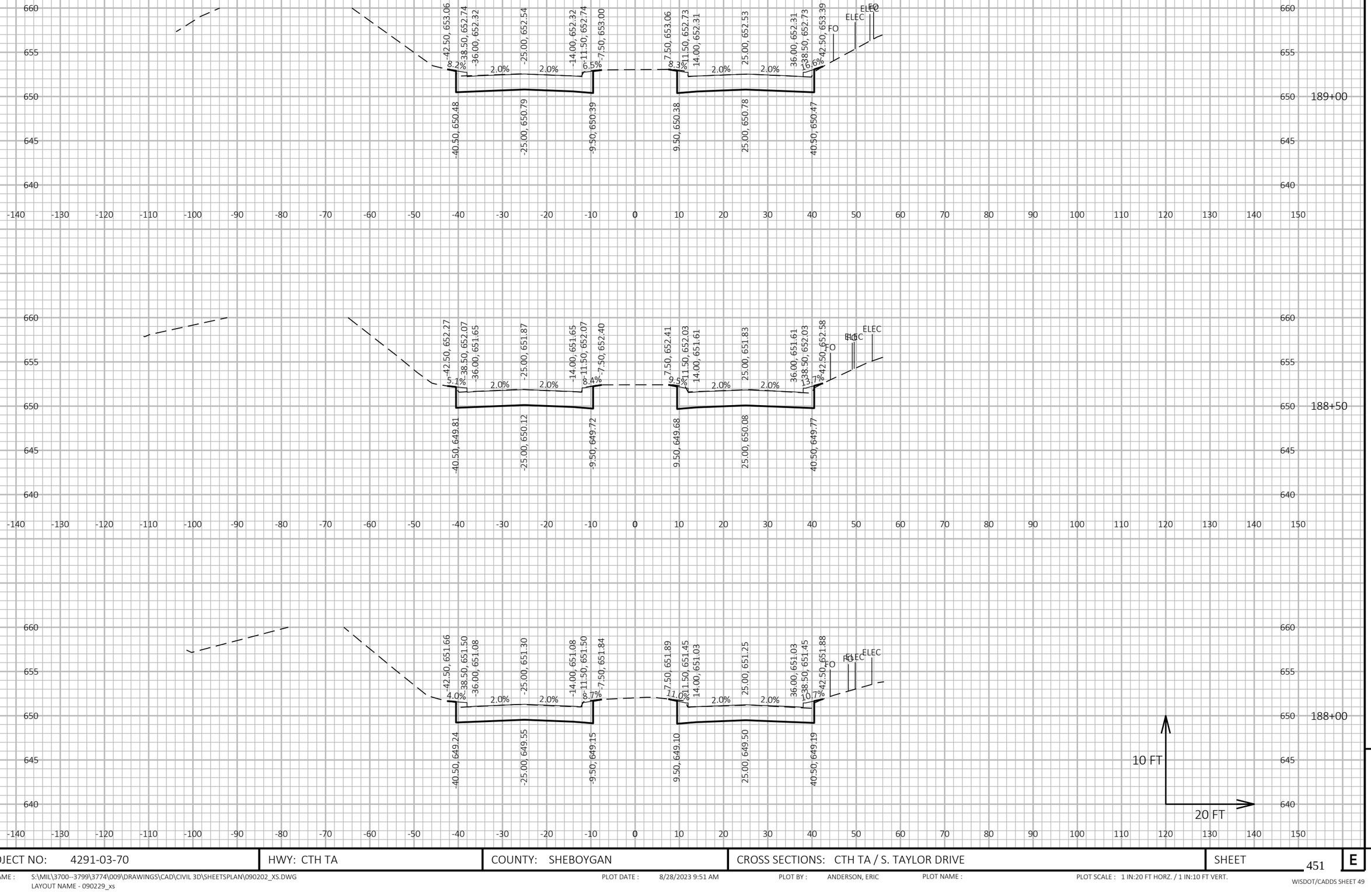
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 450	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090228_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 451	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090229_xs

PLOT DATE : 8/28/2023 9:51 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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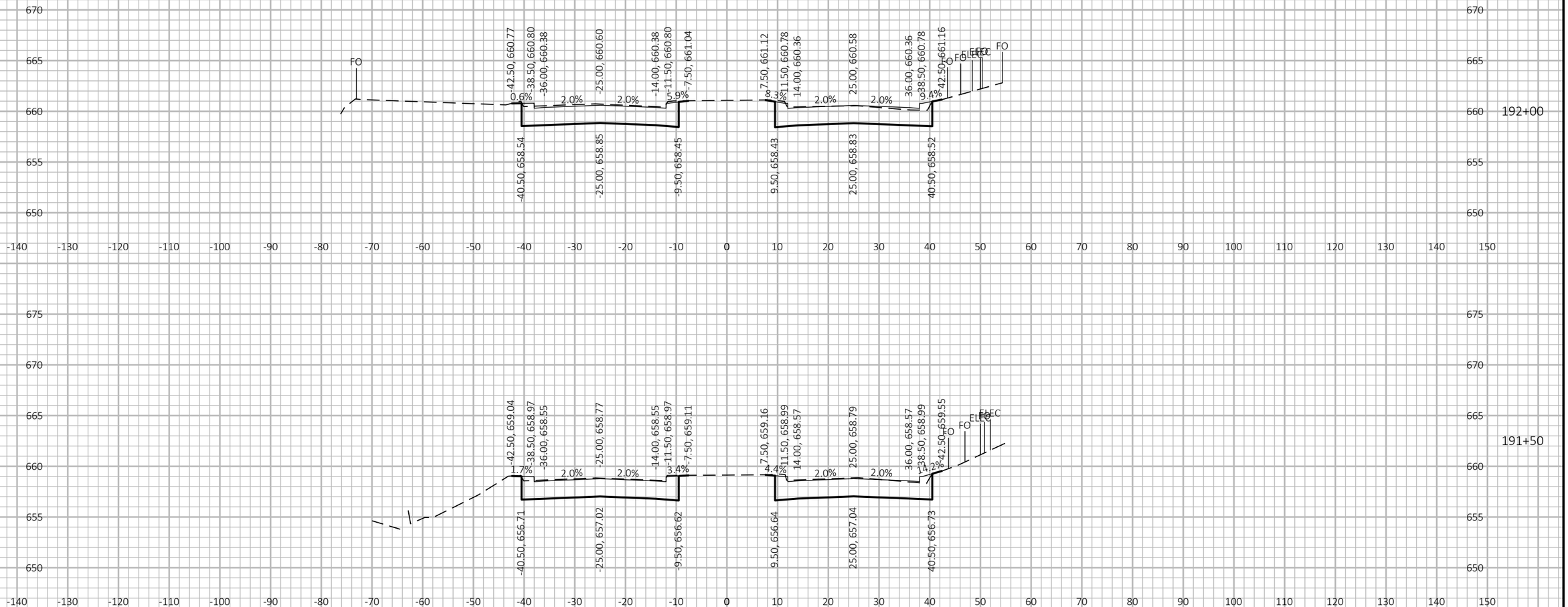
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 452	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090230_xs

PLOT DATE : 8/28/2023 9:52 AM PLOT BY : ANDERSON, ERIC PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

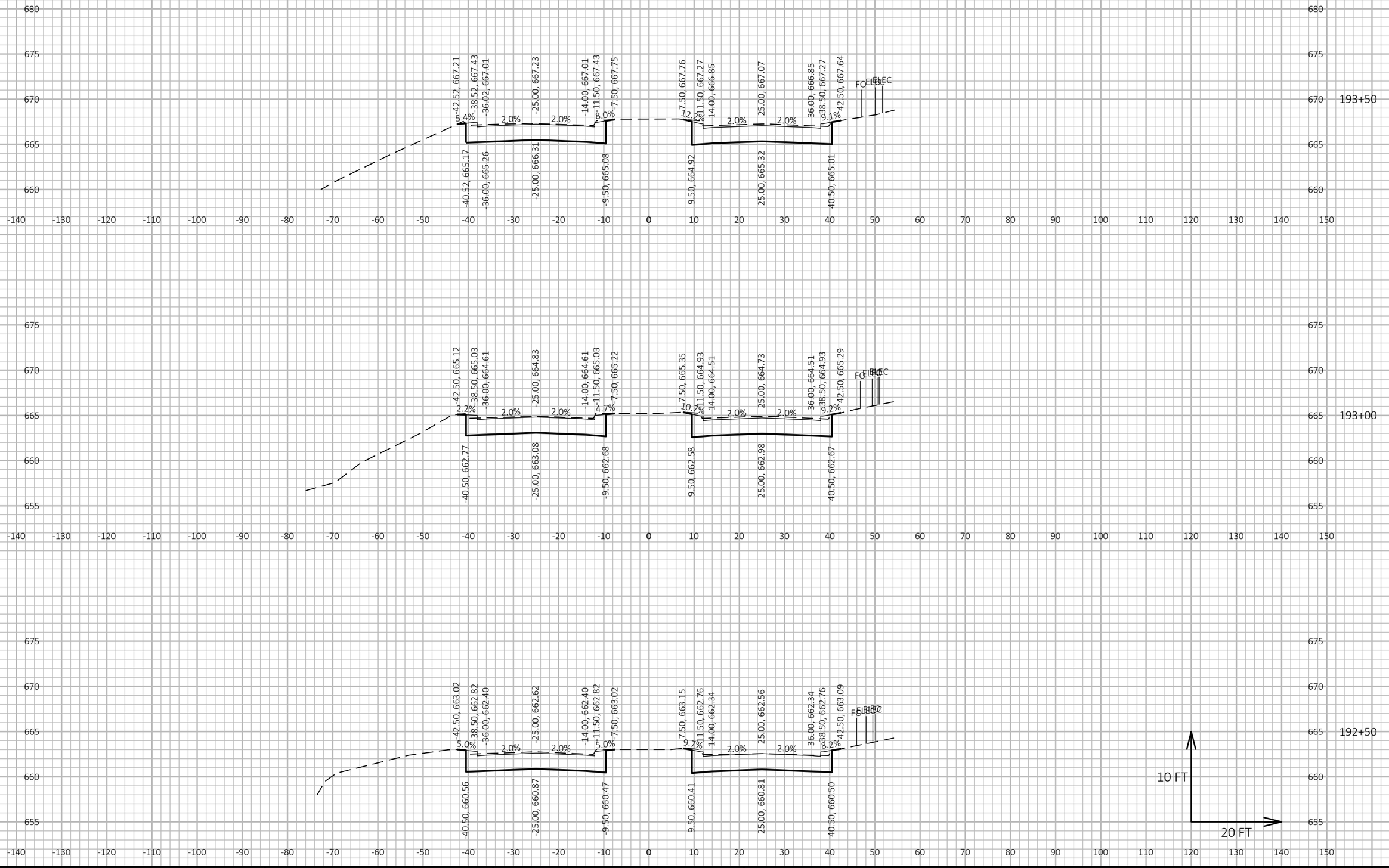


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 453 E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090231_xs

PLOT DATE : 8/28/2023 9:52 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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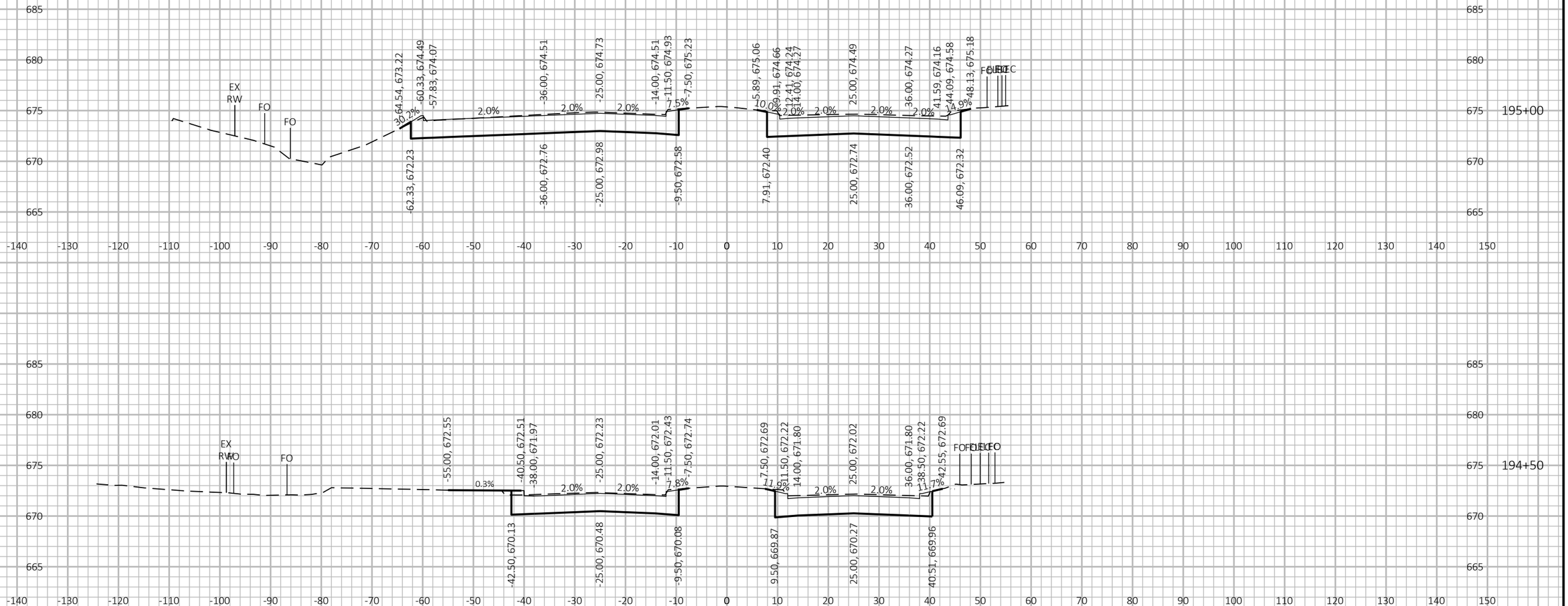
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 454	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090232_xs

PLOT DATE : 8/28/2023 9:52 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49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FO
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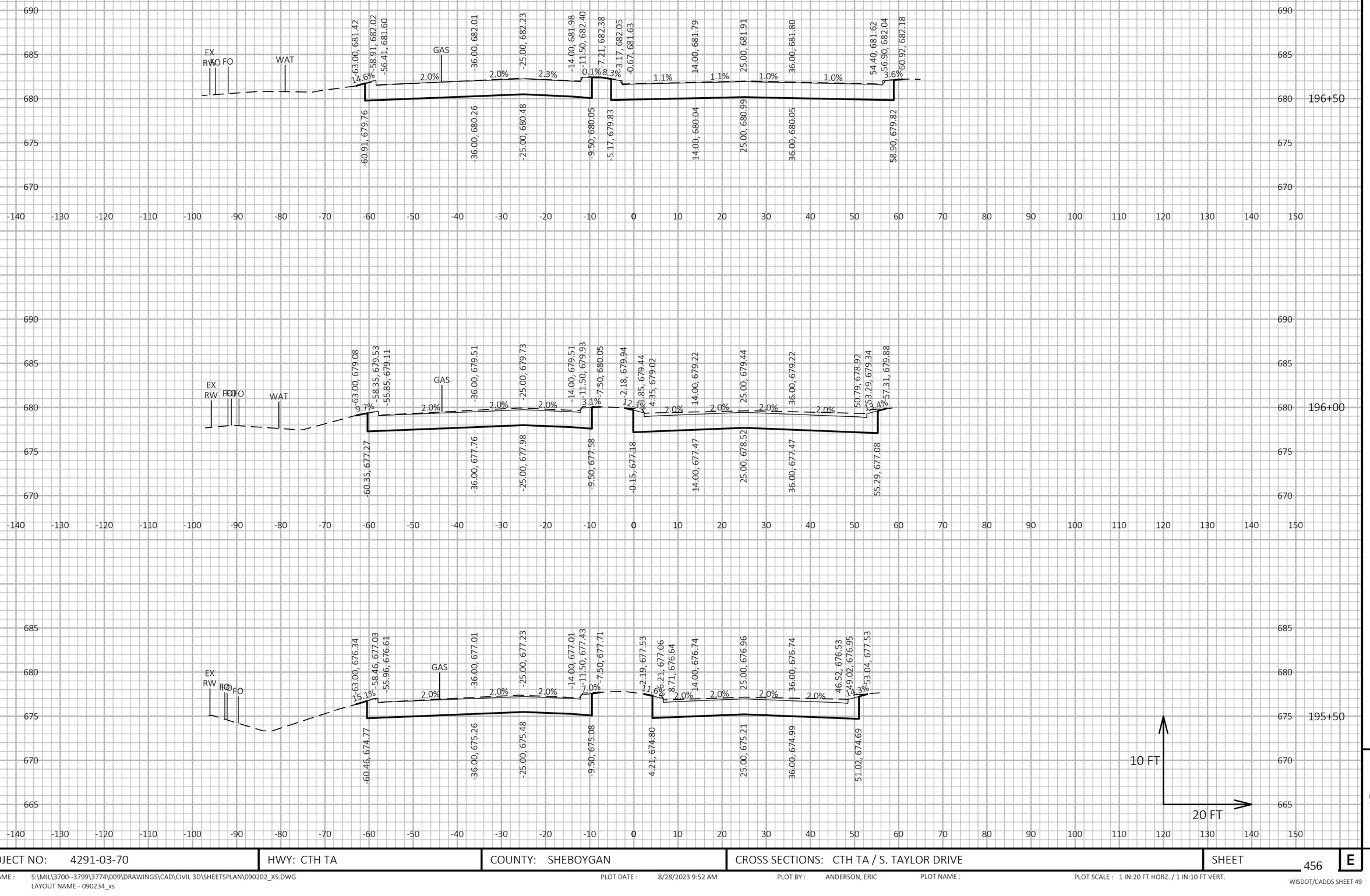
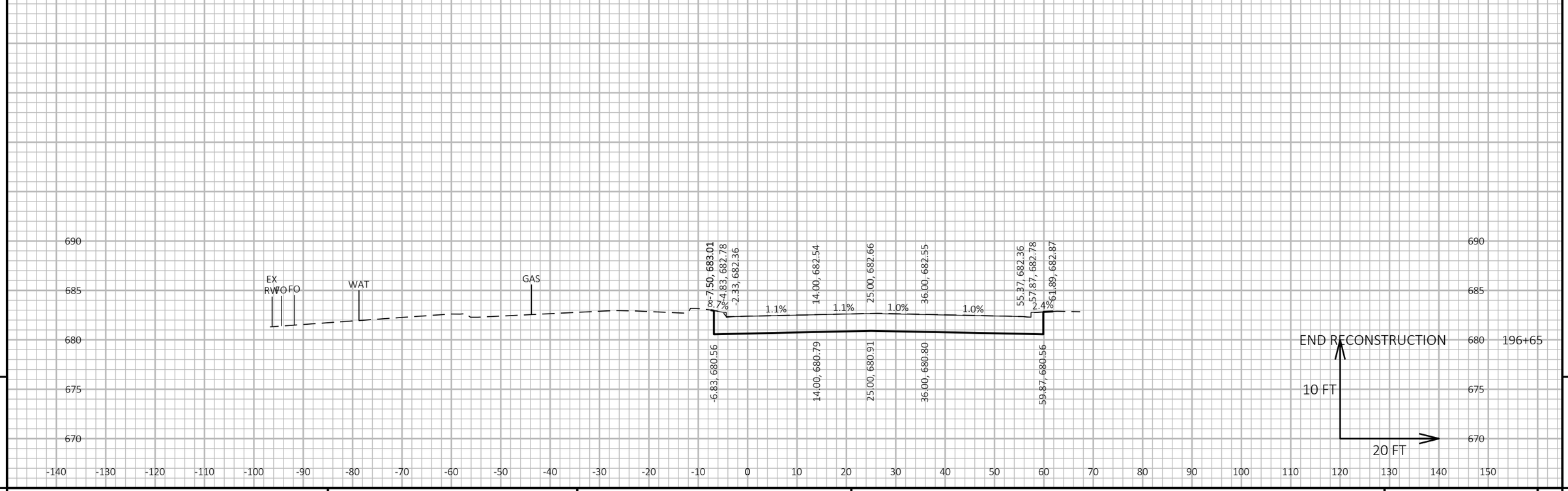


PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 456	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090234_xs

PLOT DATE : 8/28/2023 9:52 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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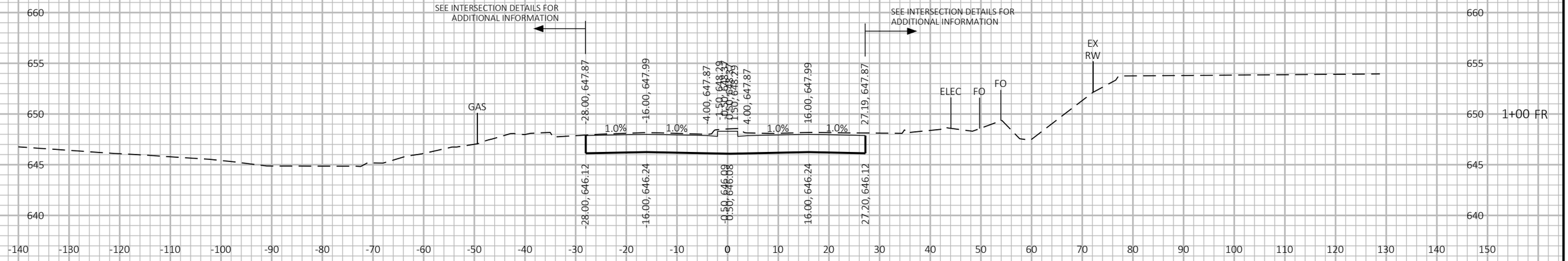
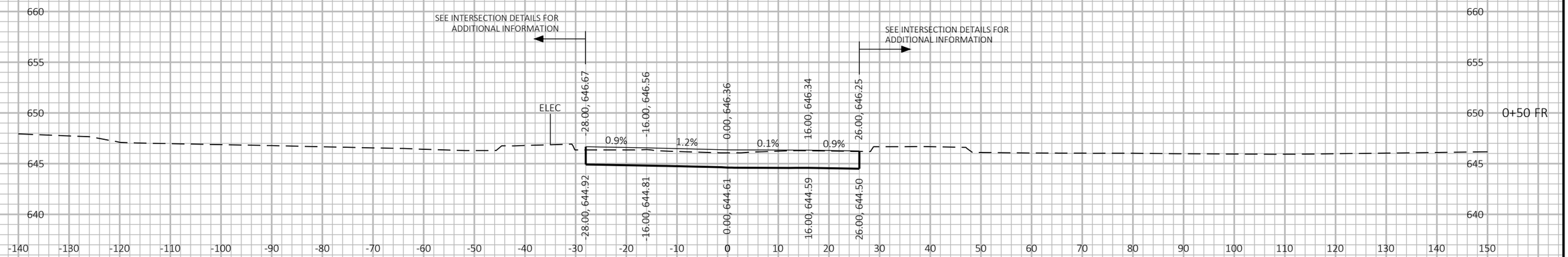
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: CTH TA / S. TAYLOR DRIVE	SHEET 457	E

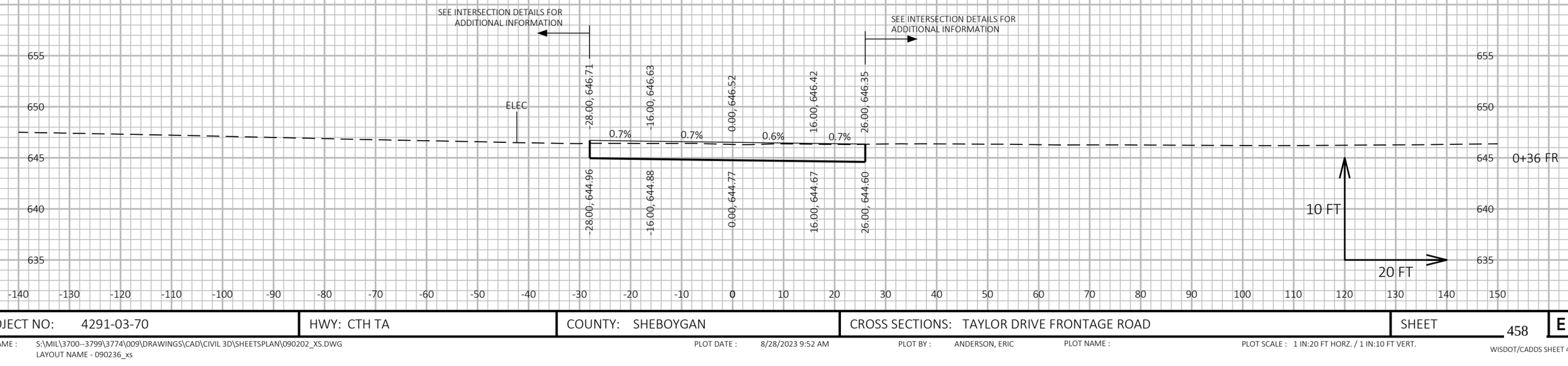
FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090235_xs

PLOT DATE : 8/28/2023 9:52 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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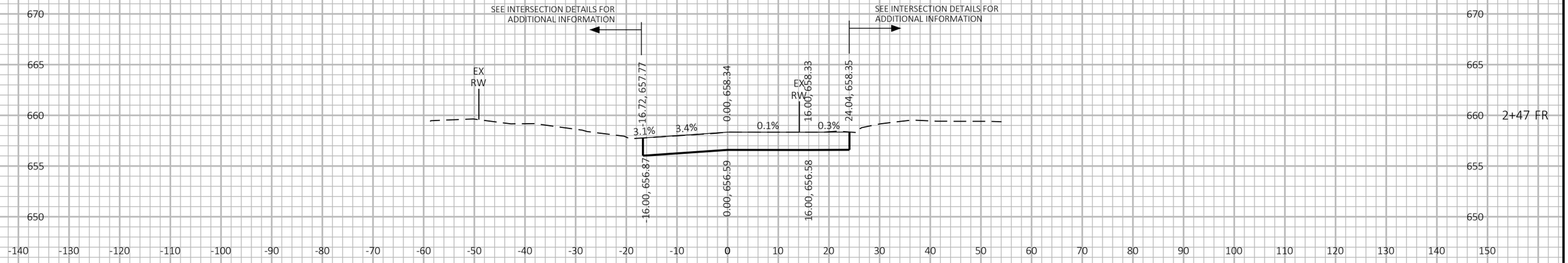
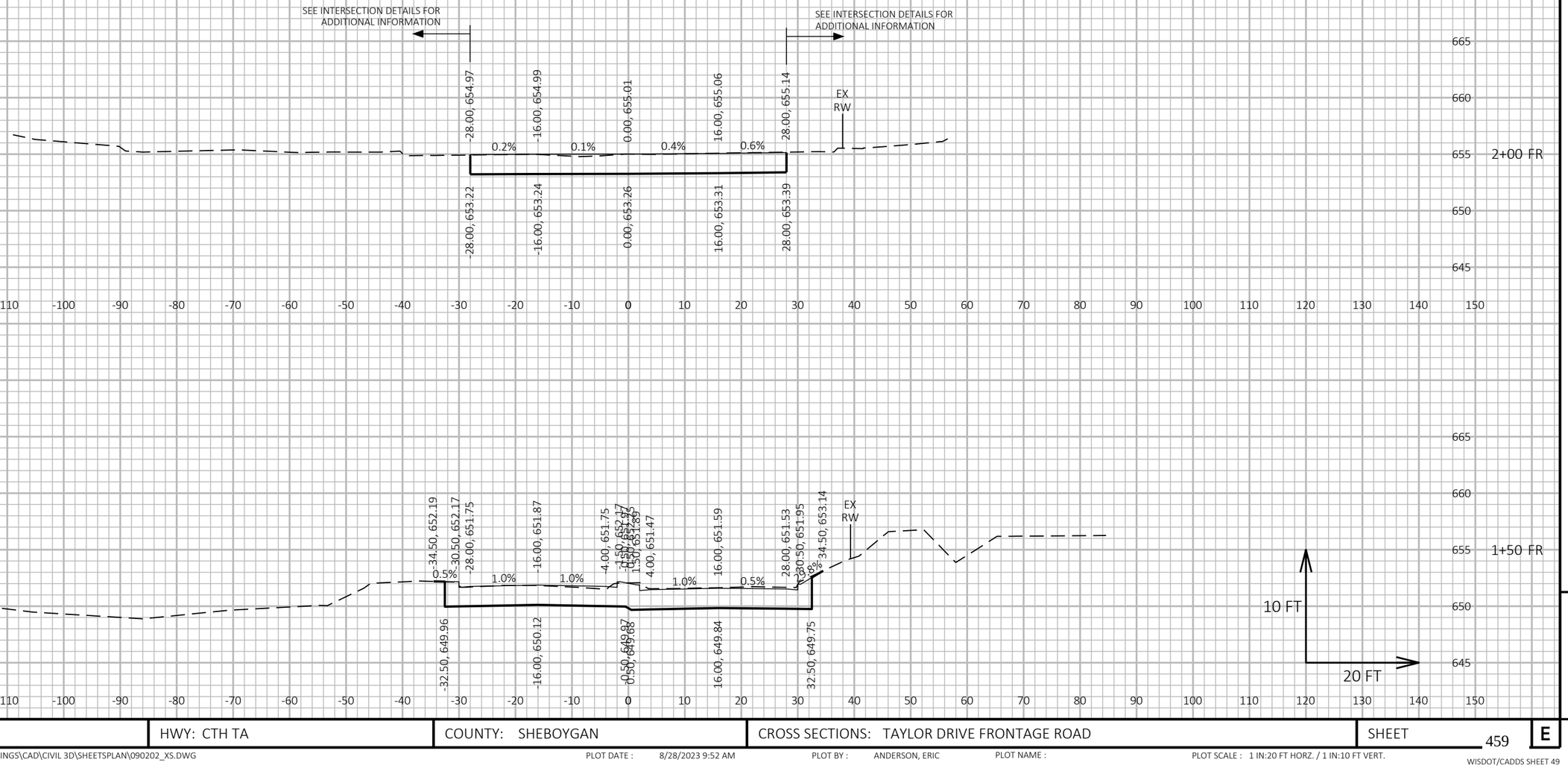
PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: TAYLOR DRIVE FRONTAGE ROAD	SHEET 458	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090236_xs

PLOT DATE : 8/28/2023 9:52 AM PLOT BY : ANDERSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 4291-03-70	HWY: CTH TA	COUNTY: SHEBOYGAN	CROSS SECTIONS: TAYLOR DRIVE FRONTAGE ROAD	SHEET 459	E

FILE NAME : S:\MIL\3700--3799\3774\009\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 090237_xs
PLOT DATE : 8/28/2023 9:52 AM
PLOT BY : ANDERSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:20 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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