PROJECT ID: **6180-30-71**
WITH: 6180-30-72 / 6180-30-73

COUNTY: **WINNEBAGO**

ORDER OF SHEETS

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

TOTAL SHEETS =



N

DESIGN DESIGNATION

A.A.D.T.	2027	=	11,090
A.A.D.T.	2047	=	11,090
D.H.V.		=	1,221
D.D.		=	60/40
T.		=	7.2
DESIGN SPEED		=	60
ESALS		=	3,800,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6180-30-71		
6180-30-72		
6180-30-73		

OMRO - OSHKOSH
STH 116 - LEONARD POINT ROAD
STH 21
WINNEBAGO COUNTY

STATE PROJECT NUMBER
6180-30-71

OMRO - OSHKOSH
CTH FF / REIGHMOOR RD INTERSECTION
STH 21
WINNEBAGO COUNTY

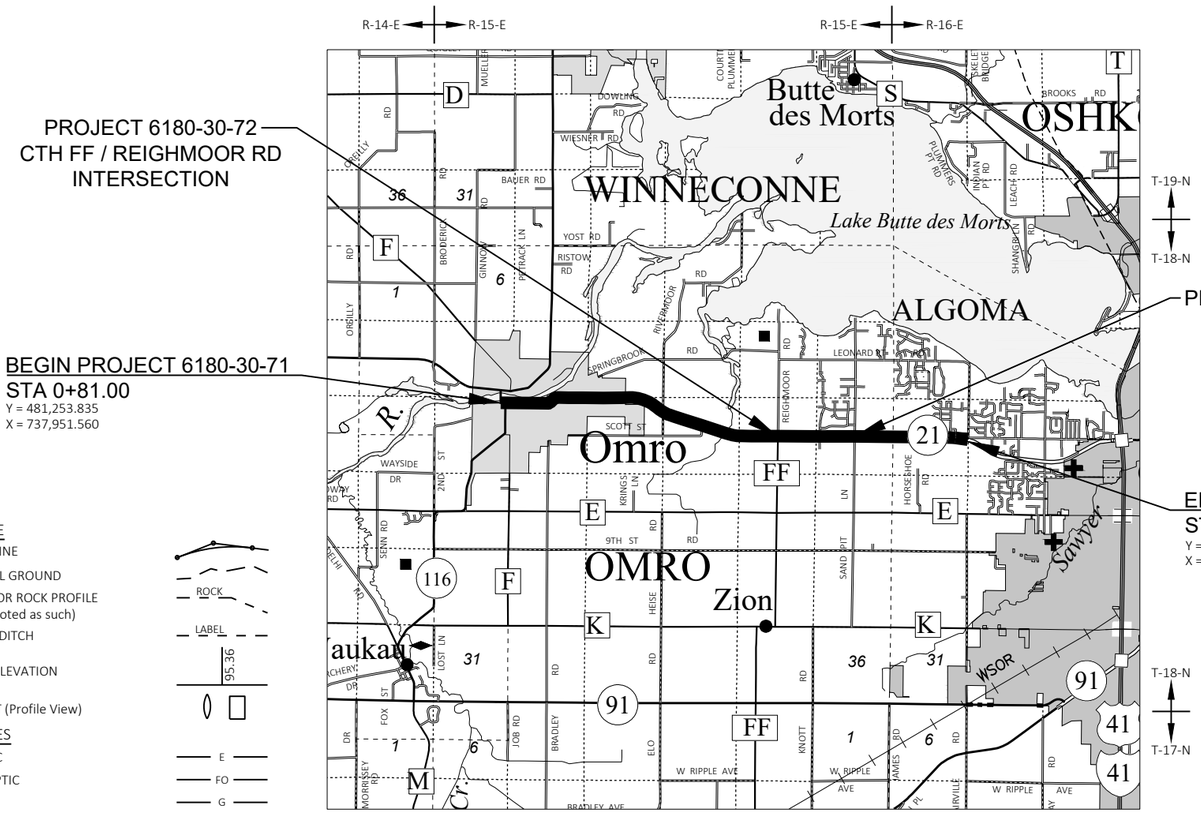
STATE PROJECT NUMBER
6180-30-72

OMRO OSHKOSH
SAND PIT RD INTERSECTION
STH 21
WINNEBAGO COUNTY

STATE PROJECT NUMBER
6180-30-73

TRANS 220
PROJECT PLAN
FOR
DESIGN OF UTILITY FACILITY ALTERATIONS OR RELOCATIONS

Date: 10/18/2023



LAYOUT
SCALE 0 — 2 MI

TOTAL NET LENGTH OF CENTERLINE = 5.791 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WINNEBAGO COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NE REGION
Designer	E. DANKE
Project Manager	W. BERTRAND
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	T. RABE

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

PRE_1

E

FILE NAME : C:\CIVIL 3D PROJECTS\61803000\SHEETSPLAN\010101-TI.DWG PLOT DATE : 10/27/2022 3:39 PM PLOT BY : MARTIN, THOMAS S PLOT NAME :

2

GENERAL NOTES

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

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

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
TRAFFIC CONTROL
DETOUR PLAN
ALIGNMENT PLAN

DNR LIASION

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jeremiah.schiefelbein@wisconsin.gov

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NE REGION DESIGN PROJECT MANAGER

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(920) 433-1703
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DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = _____ ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = _____ACRES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	GENERAL NOTES	SHEET E

PRE_2

FILE NAME : C:\CIVIL 3D PROJECTS\61803000\SHEETSPLAN\020101-GN.DWG
LAYOUT NAME - 020101-gn
PLOT DATE : 10/17/2022 9:59 AM PLOT BY : MARTIN, THOMAS S PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

N

BEGIN PROJECT 9180-30-71
STA 0+81.00
Y=481,253.835
X=737,951.560

STH 21/W MAIN ST

MADISON AVE
MONROE AVE
JACKSON AVE
VAN BUREN AVE
INDUSTRIAL DR
ALDER AVE
GOLDENROD DR
RIVERMOOR RD
SCOTT STREET RD
REIGHMOOR RD
WESTBREEZE DR
LEONARD POINT RD
OMRO RD
STH 116/WAUKAU RD
S WEBSTER AVE
HARRISON AVE
STH 21
CTH FF
POTRATZ HILL RD
SAND PIT RD

50 100 150 200 250 300

PROJECT 6180-30-73
SAND PIT RD
INTERSECTION

PROJECT 6180-30-72
CTH FF/REIGHMOOR RD
INTERSECTION

END PROJECT 6180-30-71
STA 320+94.98
Y=478,834.950
X=769,286.768

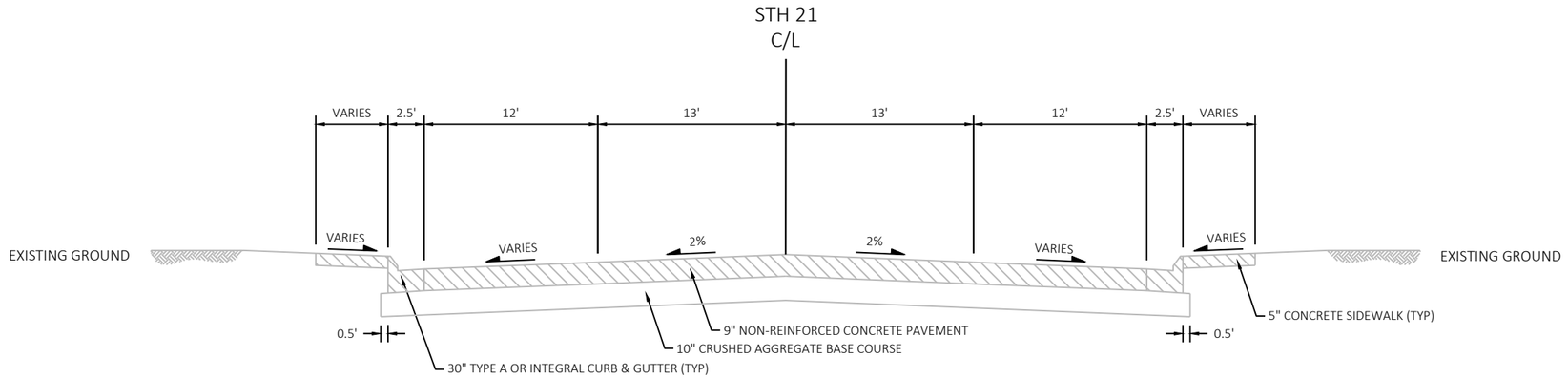
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PROJECT OVERVIEW	SHEET E

PRE_3

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LAYOUT NAME - 020201-po

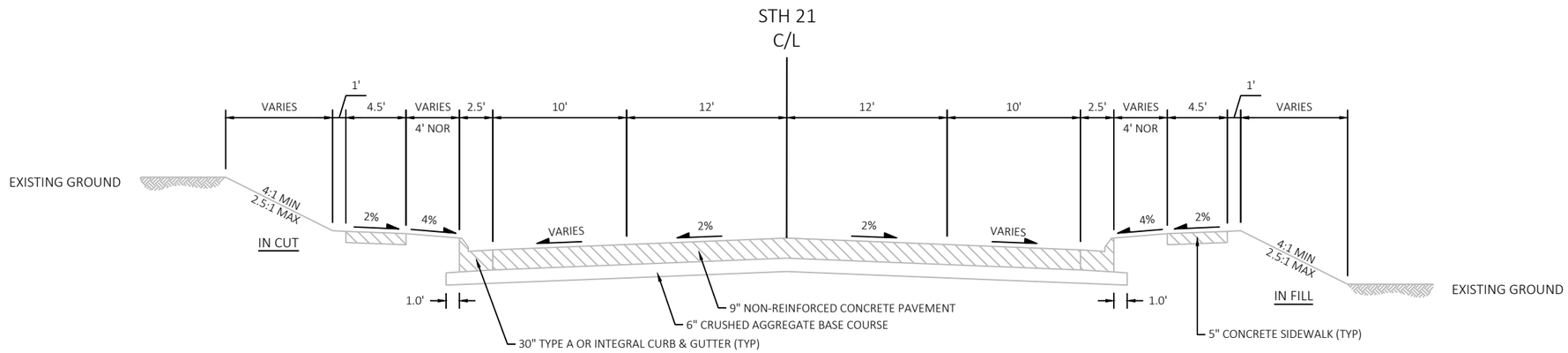
PLOT DATE : 10/17/2022 11:01 AM PLOT BY : MARTIN, THOMAS S PLOT NAME : PLOT SCALE : 1 IN:2500 FT

2



EXISTING TYPICAL SECTION STH 21

STA 0+81 TO STA 13+55



EXISTING TYPICAL SECTION STH 21

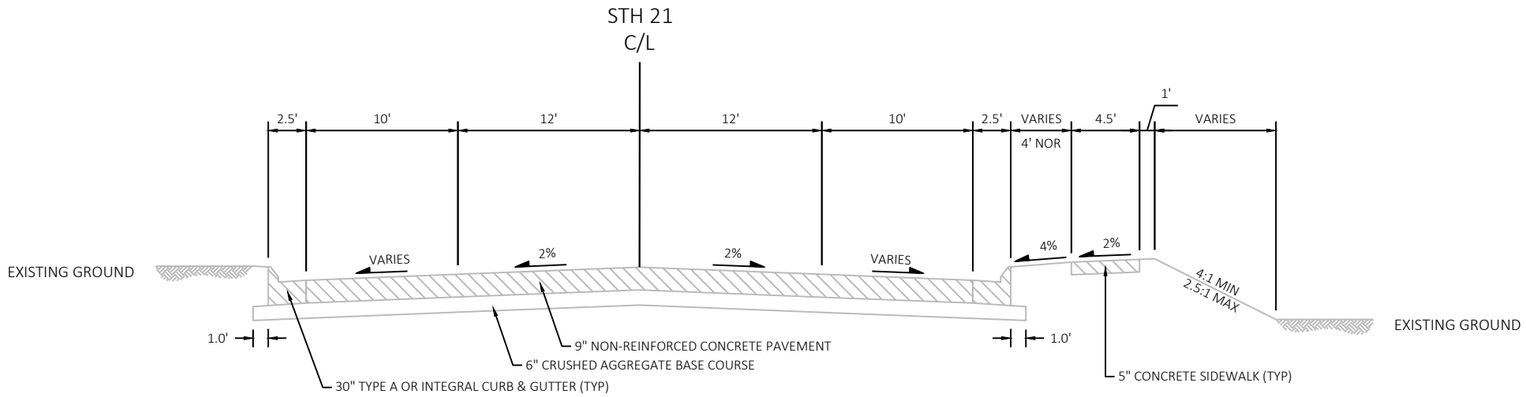
STA 13+55 TO STA 60+50

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET E

PRE_4

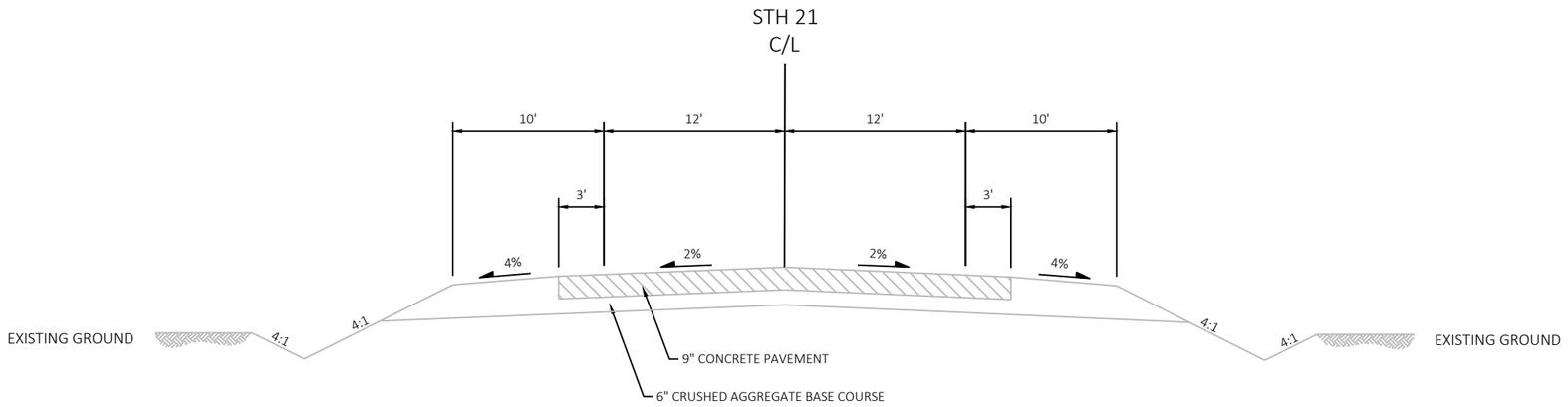
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LAYOUT NAME - 020301-ts

PLOT DATE : 10/27/2022 3:50 PM PLOT BY : MARTIN, THOMAS S PLOT NAME : PLOT SCALE : 1IN:10 FT



EXISTING TYPICAL SECTION STH 21

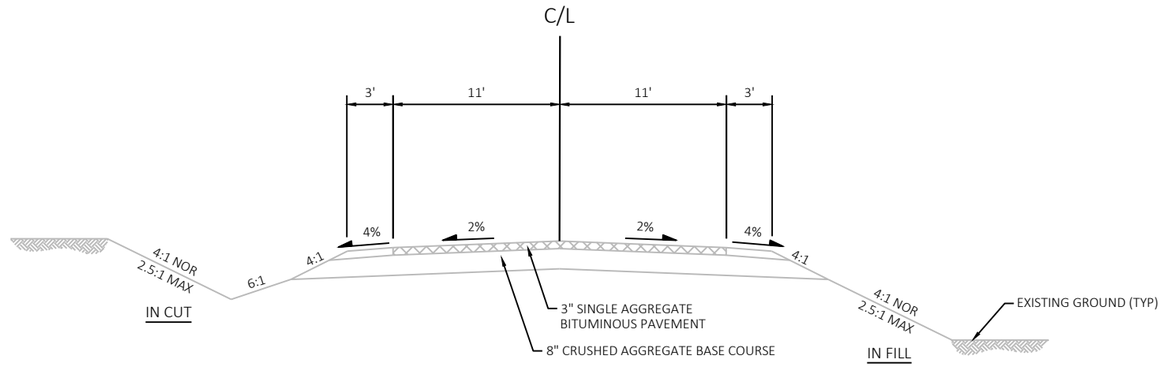
STA 60+50 TO STA 74+50



EXISTING TYPICAL SECTION STH 21

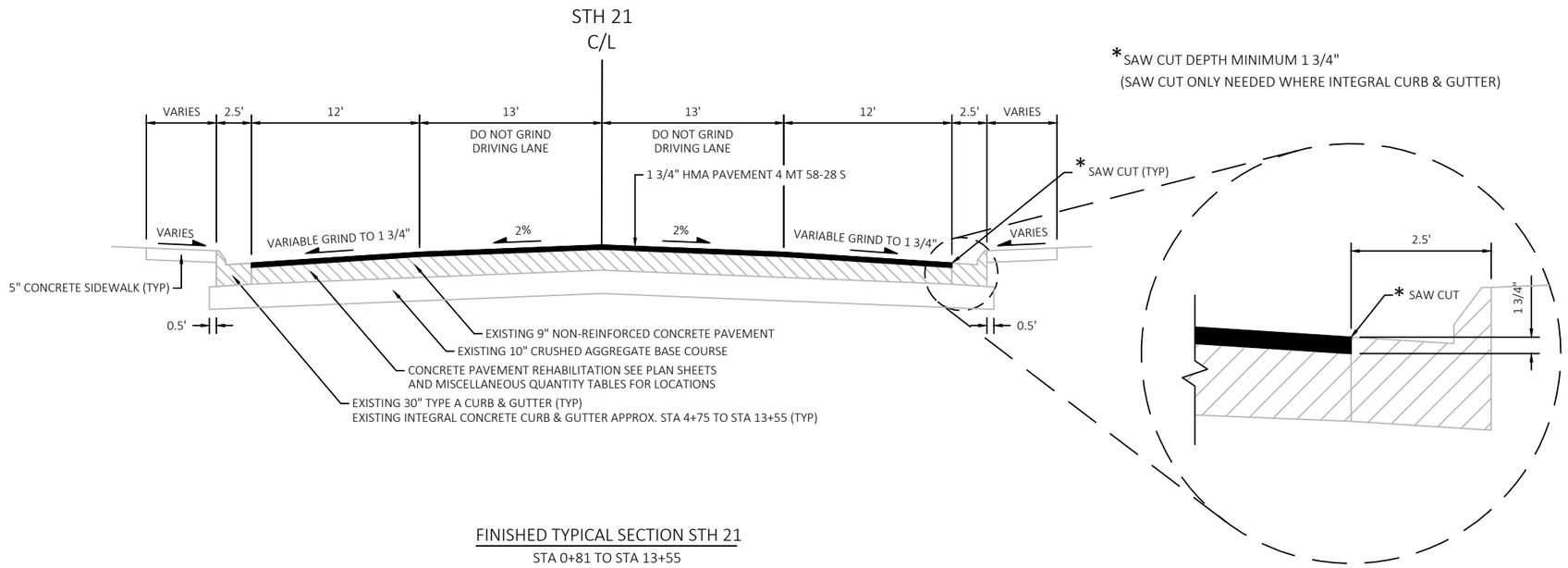
STA 74+50 TO STA 320+94.98

2



EXISTING TYPICAL SECTION SIDEROAD

CTH FF
REIGHMOOR RD
SAND PIT RD



FINISHED TYPICAL SECTION STH 21

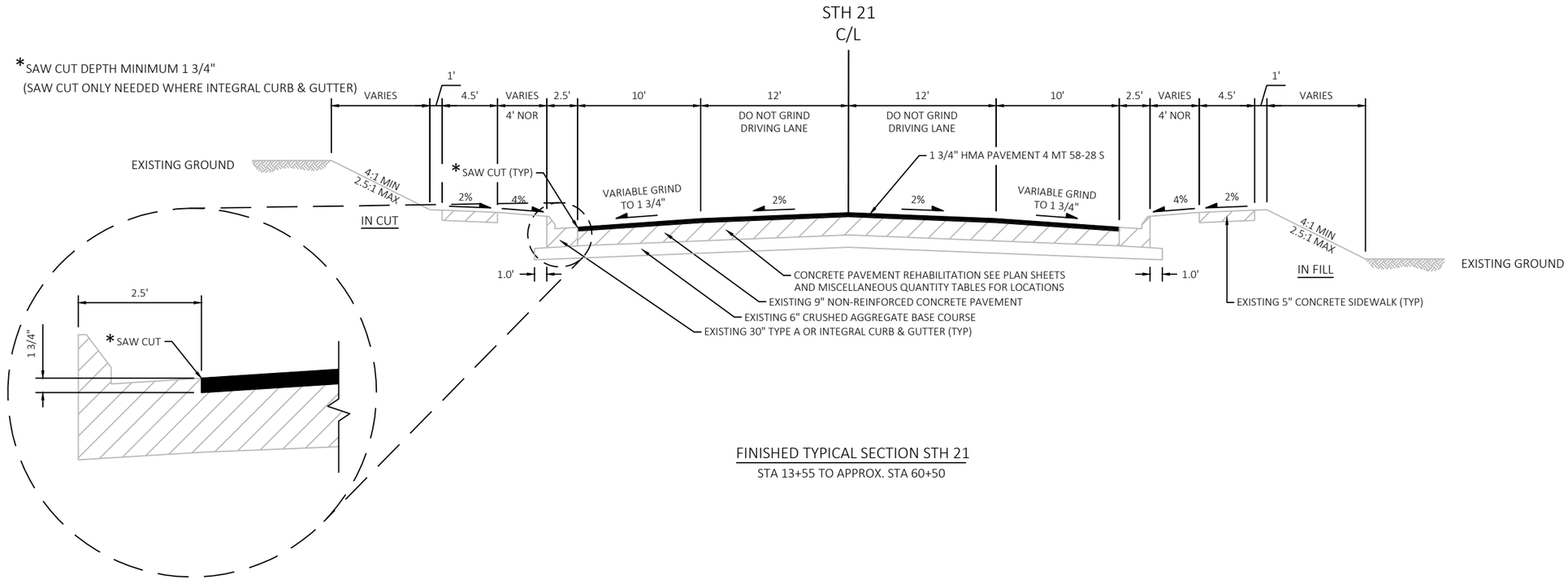
STA 0+81 TO STA 13+55

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET E

PRE_6

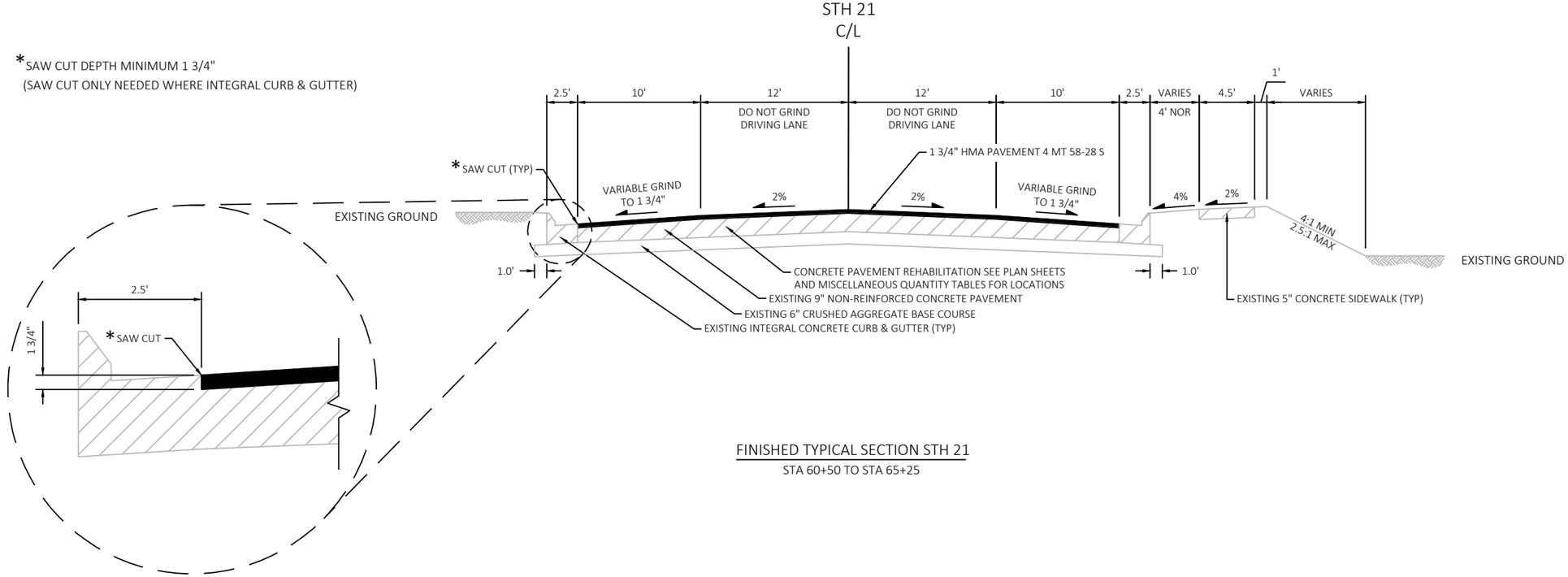
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LAYOUT NAME - 020303-ts

PLOT DATE : 10/27/2022 3:50 PM PLOT BY : MARTIN, THOMAS S PLOT NAME : PLOT SCALE : 1IN:10 FT



FINISHED TYPICAL SECTION STH 21

STA 13+55 TO APPROX. STA 60+50



FINISHED TYPICAL SECTION STH 21

STA 60+50 TO STA 65+25

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET E

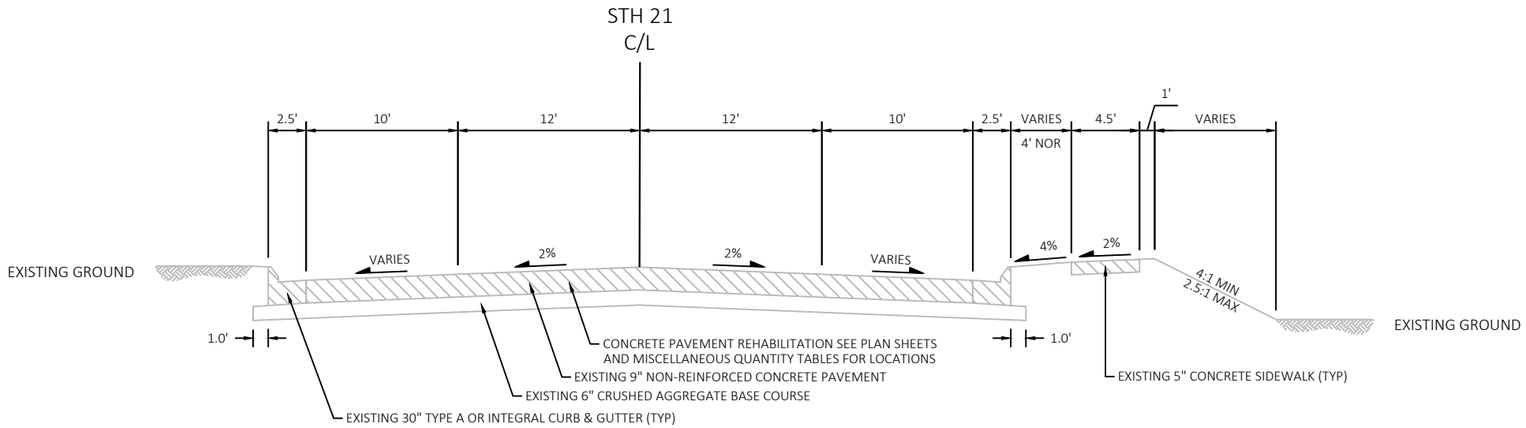
PRE_7

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LAYOUT NAME - 020304-ts

PLOT DATE : 10/27/2022 3:50 PM PLOT BY : MARTIN, THOMAS S PLOT NAME : PLOT SCALE : 1IN:10 FT

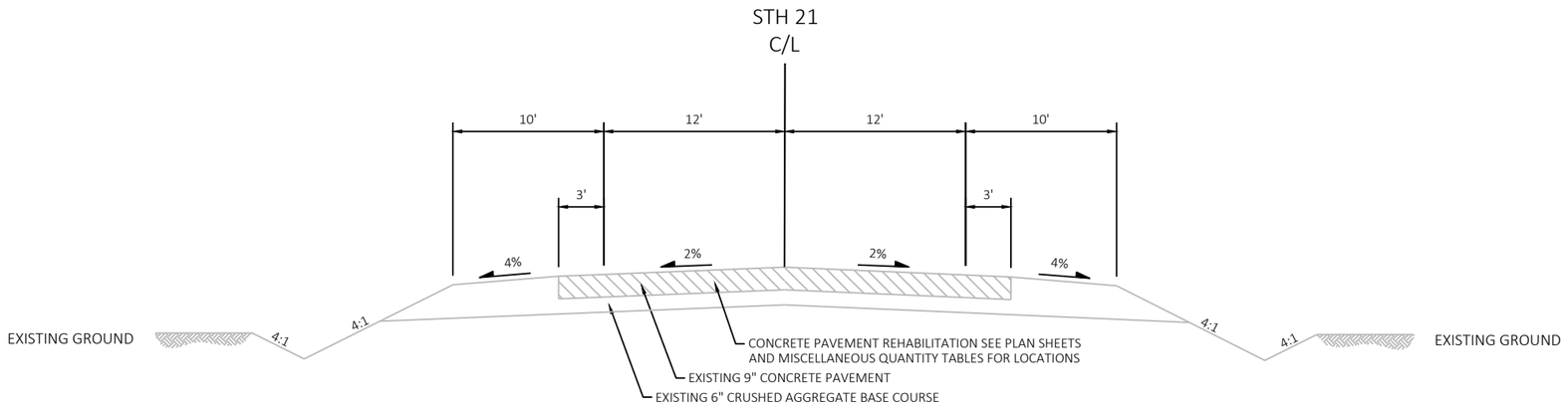
WISDOT/CADDS SHEET 42

2



FINISHED TYPICAL SECTION STH 21

STA 65+25 TO STA 74+50



FINISHED TYPICAL SECTION STH 21

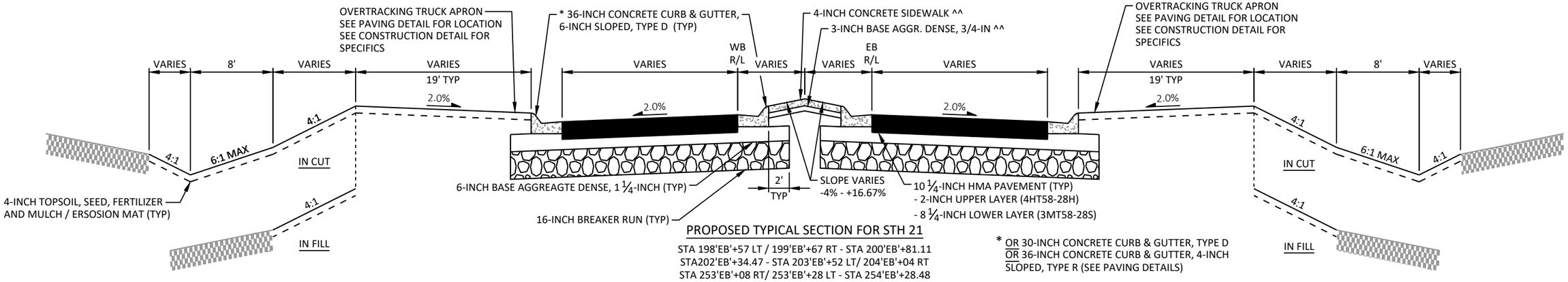
STA 74+50 TO STA 320+94.98

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET E

PRE_8

FILE NAME : C:\CIVIL 3D PROJECTS\61803000\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020305-ts

PLOT DATE : 10/27/2022 3:50 PM PLOT BY : MARTIN, THOMAS S PLOT NAME : PLOT SCALE : 1IN:10 FT

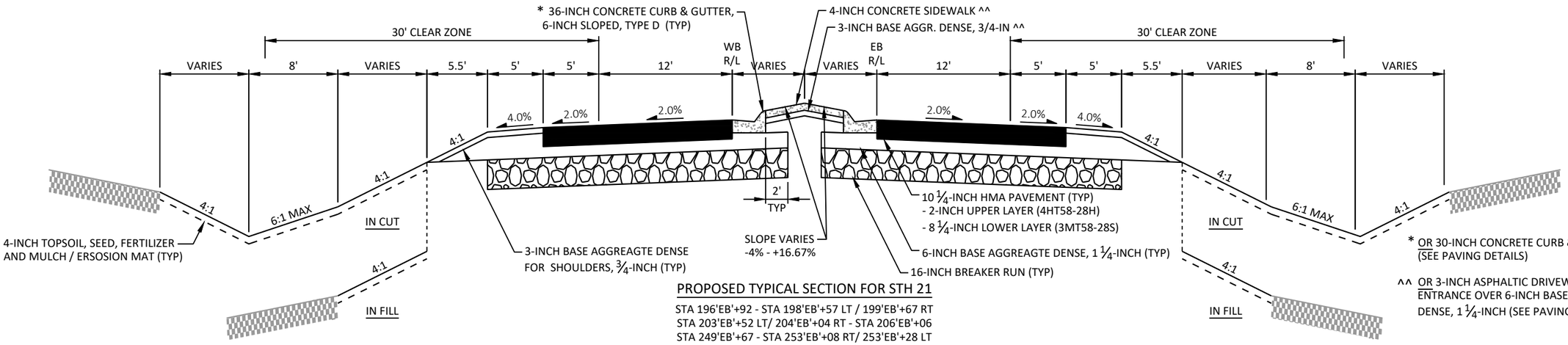


PROPOSED TYPICAL SECTION FOR STH 21

STA 198'EB'+57 LT / 199'EB'+67 RT - STA 200'EB'+81.11
STA202'EB'+34.47 - STA 203'EB'+52 LT/ 204'EB'+04 RT
STA 253'EB'+08 RT/ 253'EB'+28 LT - STA 254'EB'+28.48
STA 255'EB'+77.65 - STA 256'EB'+88 LT / 257'EB'+08 RT

* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D
OR 36-INCH CONCRETE CURB & GUTTER, 4-INCH SLOPED, TYPE R (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)

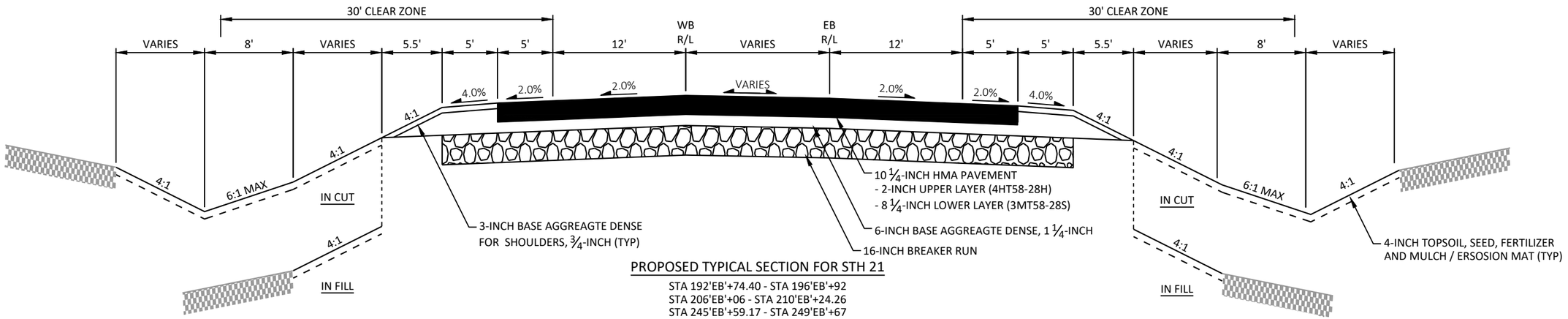


PROPOSED TYPICAL SECTION FOR STH 21

STA 196'EB'+92 - STA 198'EB'+57 LT / 199'EB'+67 RT
STA 203'EB'+52 LT/ 204'EB'+04 RT - STA 206'EB'+06
STA 249'EB'+67 - STA 253'EB'+08 RT/ 253'EB'+28 LT
STA 256'EB'+88 LT / 257'EB'+08 RT - STA 259'EB'+83

* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)



PROPOSED TYPICAL SECTION FOR STH 21

STA 192'EB'+74.40 - STA 196'EB'+92
STA 206'EB'+06 - STA 210'EB'+24.26
STA 245'EB'+59.17 - STA 249'EB'+67
STA 259'EB'+83 - STA 263'EB'+41.14

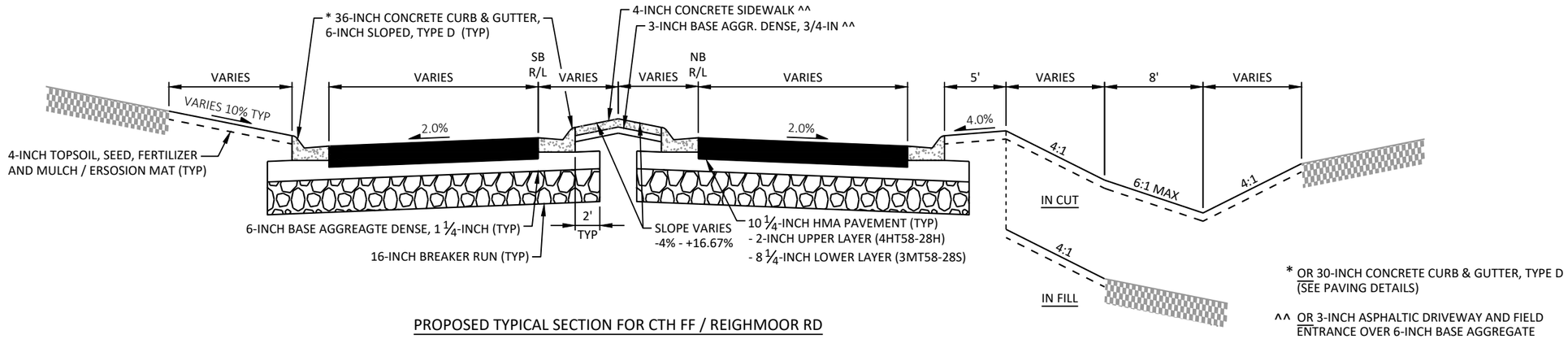
PROJECT NO: 6180-30-72/73	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED STH 21	SHEET E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-020300-TS.DWG
LAYOUT NAME - 61803071-020301-ts

PLOT DATE : 8/24/2022 3:43 PM PLOT BY : TYLER TAVES PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_9

WISDOT/CADDS SHEET 42

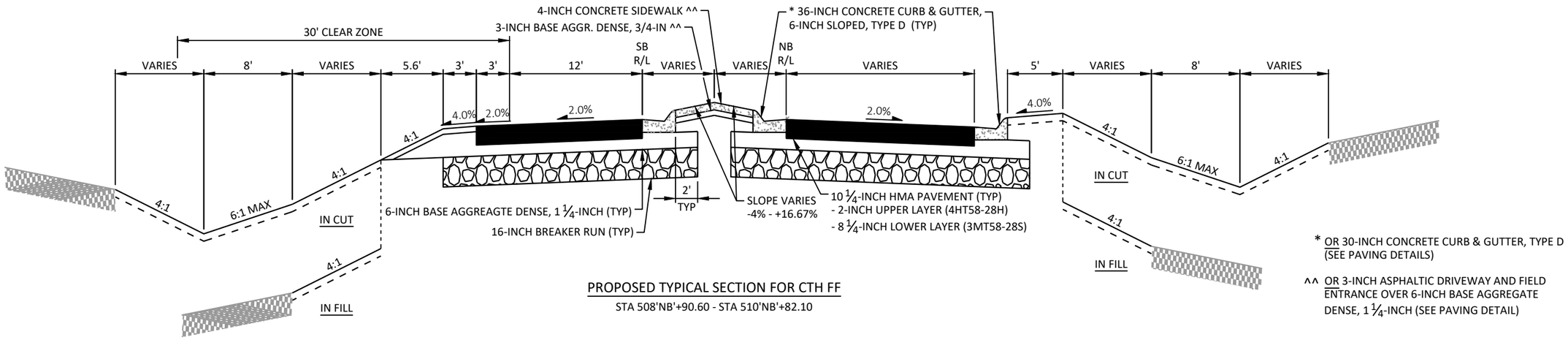


* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)

PROPOSED TYPICAL SECTION FOR CTH FF / REIGHMOOR RD

STA 510'NB'+82.10 - STA 512'NB'+15.40
STA 513'NB'65.08 - STA 514'NB'+95.20

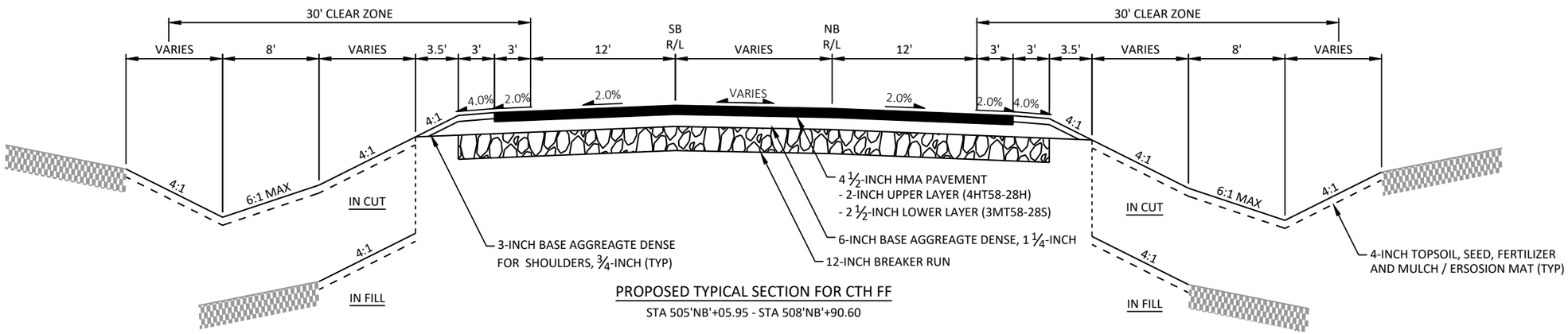


* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)

PROPOSED TYPICAL SECTION FOR CTH FF

STA 508'NB'+90.60 - STA 510'NB'+82.10



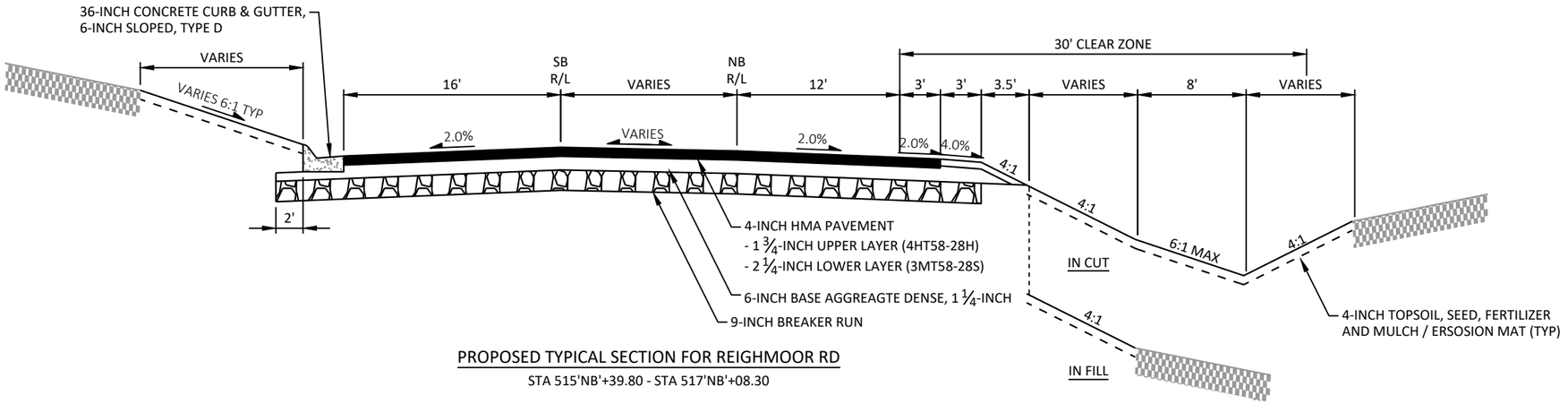
PROPOSED TYPICAL SECTION FOR CTH FF

STA 505'NB'+05.95 - STA 508'NB'+90.60

PROJECT NO: 6180-30- 72	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED CTH FF - REIGHMOOR RD	SHEET E

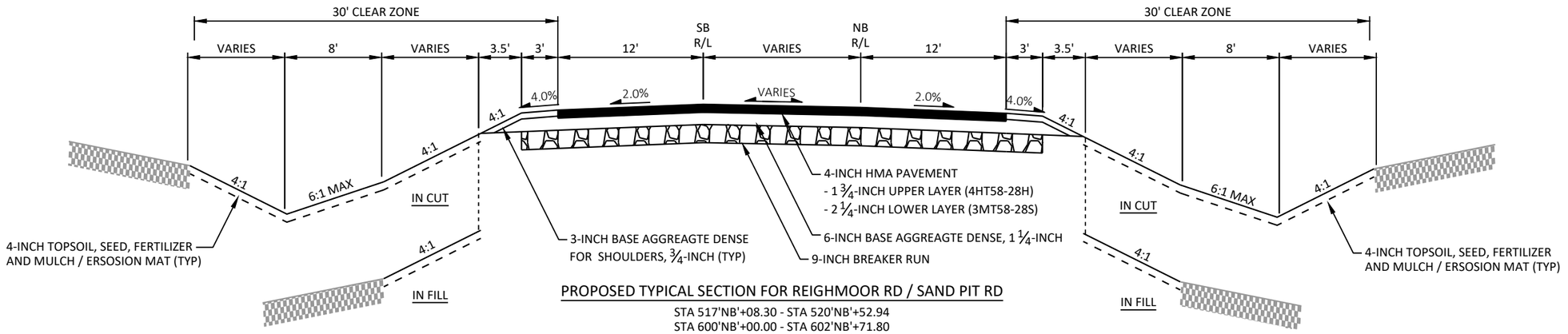
FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-020300-TS.DWG
LAYOUT NAME - 61803071-020303-ts
PLOT DATE : 8/24/2022 3:43 PM PLOT BY : TYLER TAVES PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_10



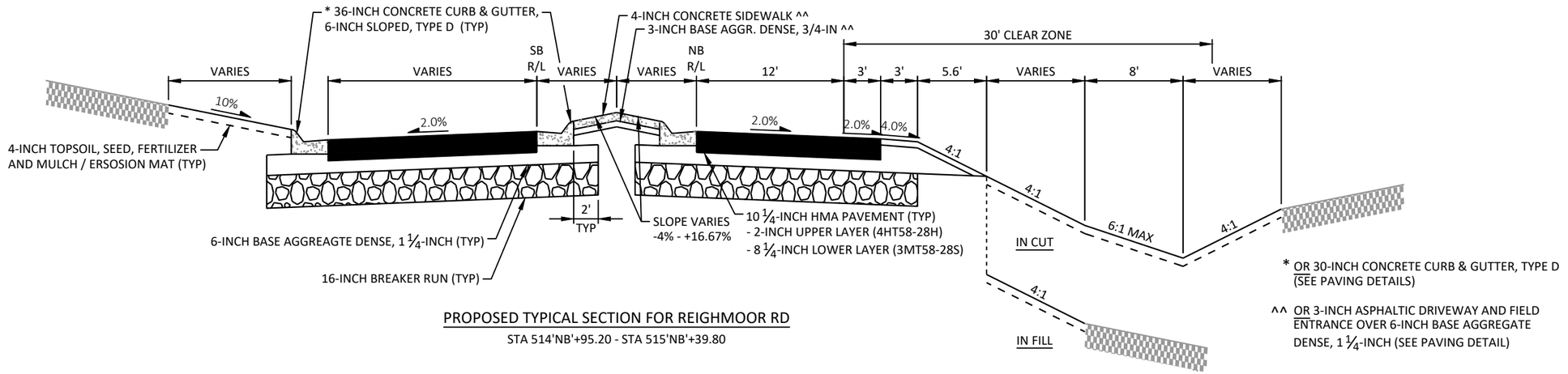
PROPOSED TYPICAL SECTION FOR REIGHMOOR RD

STA 515'NB'+39.80 - STA 517'NB'+08.30



PROPOSED TYPICAL SECTION FOR REIGHMOOR RD / SAND PIT RD

STA 517'NB'+08.30 - STA 520'NB'+52.94
STA 600'NB'+00.00 - STA 602'NB'+71.80
STA 609'NB'+68.30 - STA 612'NB'+84.10



PROPOSED TYPICAL SECTION FOR REIGHMOOR RD

STA 514'NB'+95.20 - STA 515'NB'+39.80

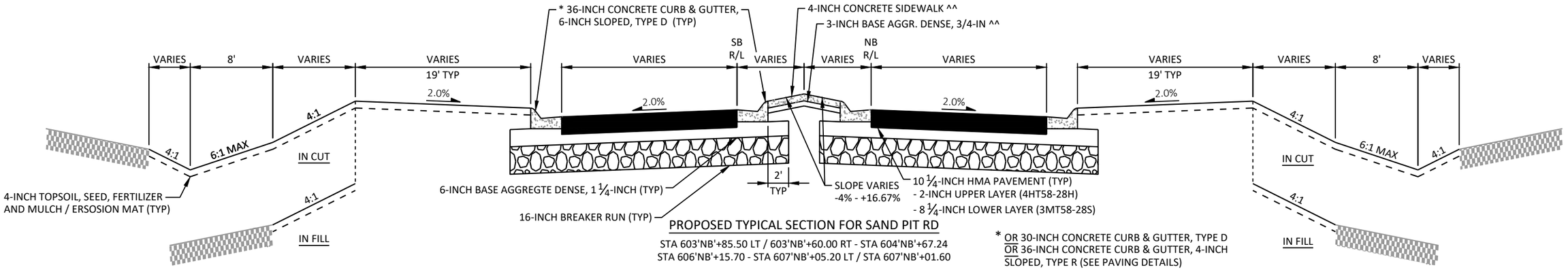
* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)

PROJECT NO: 6180-30-72/73	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED CTH FF - REIGHMOOR RD - SAND PIT RD	SHEET PRE_11 E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-020300-TS.DWG
LAYOUT NAME - 61803071-020304-ts

PLOT DATE : 8/24/2022 3:43 PM PLOT BY : TYLER TAVES PLOT NAME : PLOT SCALE : 1 IN:10 FT

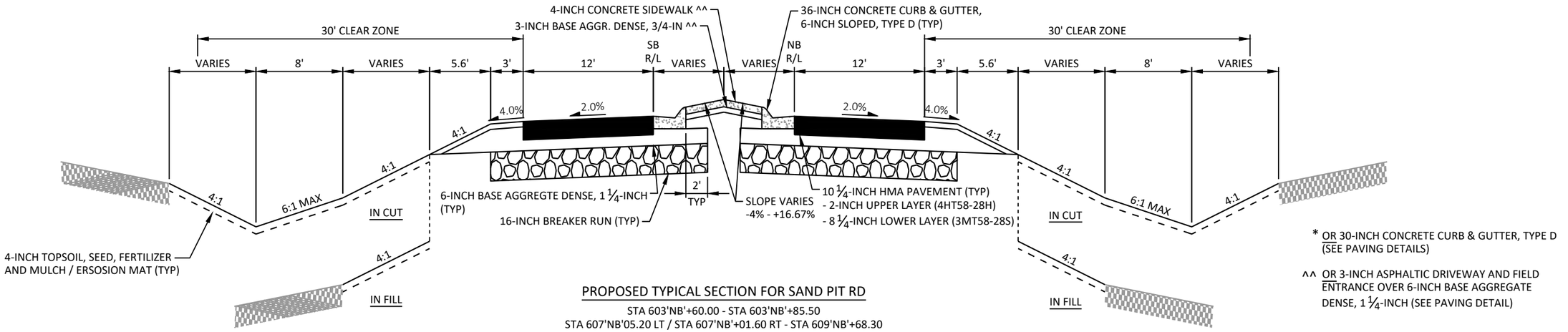


PROPOSED TYPICAL SECTION FOR SAND PIT RD

STA 603'NB'+85.50 LT / 603'NB'+60.00 RT - STA 604'NB'+67.24
STA 606'NB'+15.70 - STA 607'NB'+05.20 LT / STA 607'NB'+01.60

* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D
OR 36-INCH CONCRETE CURB & GUTTER, 4-INCH SLOPED, TYPE R (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)

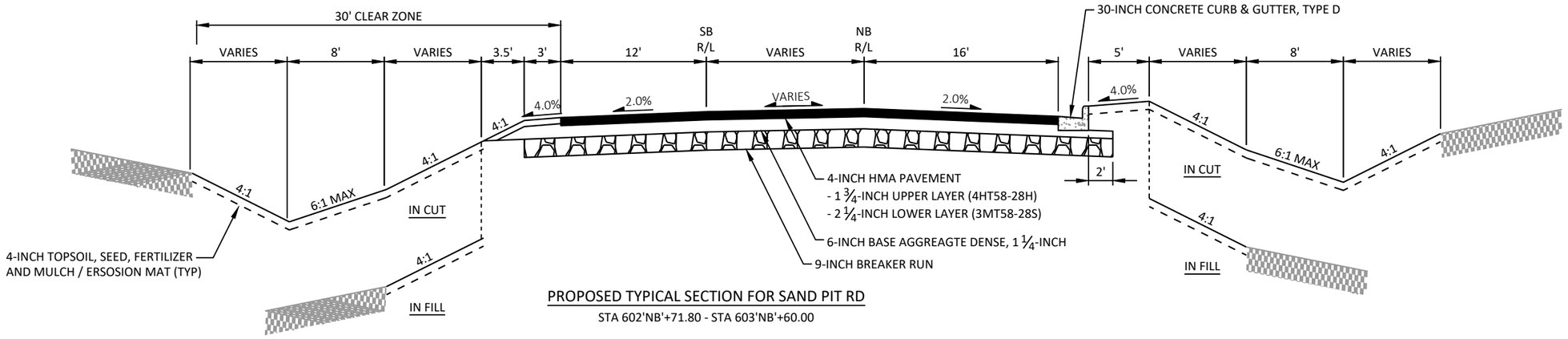


PROPOSED TYPICAL SECTION FOR SAND PIT RD

STA 603'NB'+60.00 - STA 603'NB'+85.50
STA 607'NB'05.20 LT / STA 607'NB'+01.60 RT - STA 609'NB'+68.30

* OR 30-INCH CONCRETE CURB & GUTTER, TYPE D (SEE PAVING DETAILS)

^^ OR 3-INCH ASPHALTIC DRIVEWAY AND FIELD ENTRANCE OVER 6-INCH BASE AGGREGATE DENSE, 1 1/4-INCH (SEE PAVING DETAIL)



PROPOSED TYPICAL SECTION FOR SAND PIT RD

STA 602'NB'+71.80 - STA 603'NB'+60.00

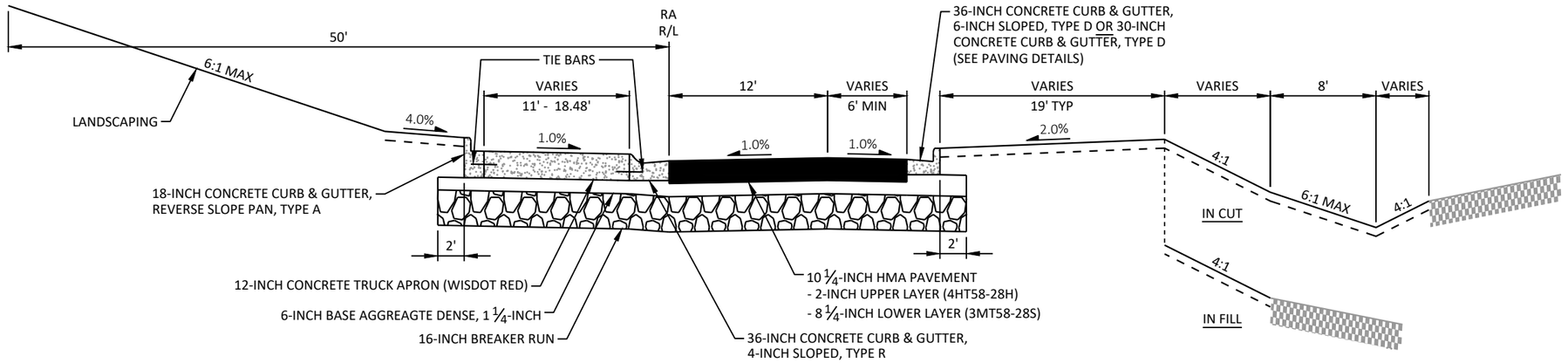
PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED REIGHMOOR RD - SAND PIT RD	SHEET E

PRE_12

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-020300-TS.DWG
LAYOUT NAME - 61803071-020305-ts

PLOT DATE : 8/24/2022 3:43 PM PLOT BY : TYLER TAVES PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



PROPOSED TYPICAL SECTION FOR CTH FF & SAND PIT RD ROUNDABOUTS

STA - STA

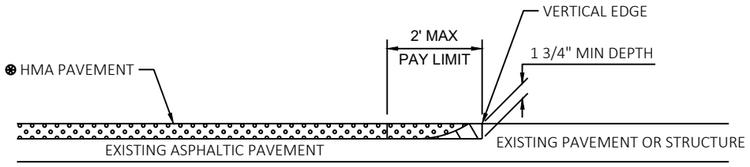
PROJECT NO: 6180-30-72/73	HWY: STH 21	COUNTY: WINNEBAGO	TYPICAL SECTIONS - PROPOSED ROUNDABOUT	SHEET E

PRE_13

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-020300-TS.DWG
LAYOUT NAME - 61803071-020310-ts

PLOT DATE : 8/24/2022 3:43 PM PLOT BY : TYLER TAVES PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

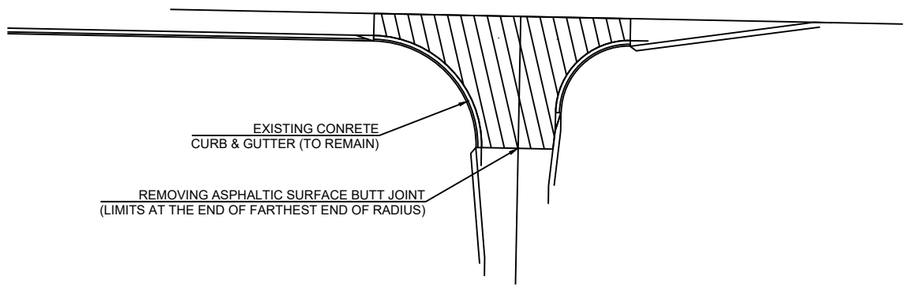


SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

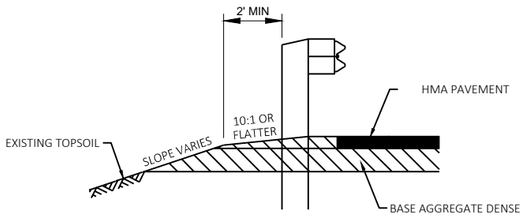
REMOVING ASPHALTIC SURFACE, MILLING

REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

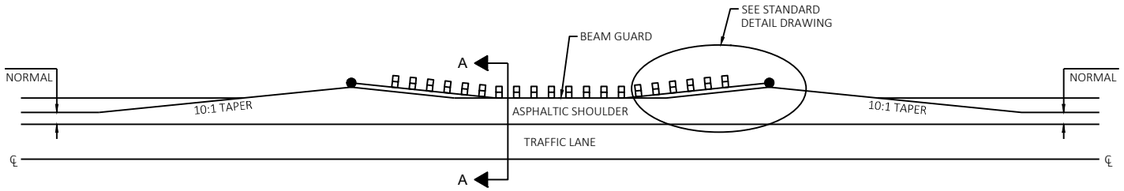
BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)



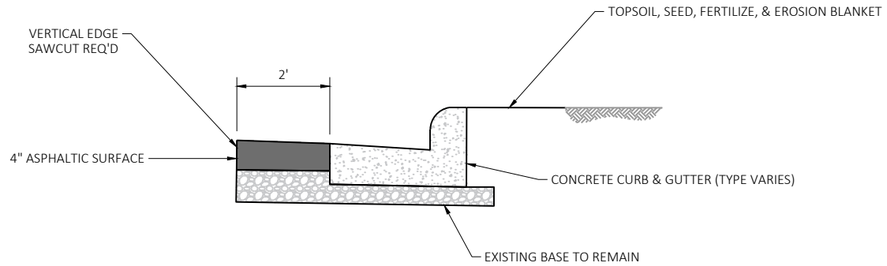
SIDE ROAD CONSTRUCTION LIMITS



SECTION A-A



DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD



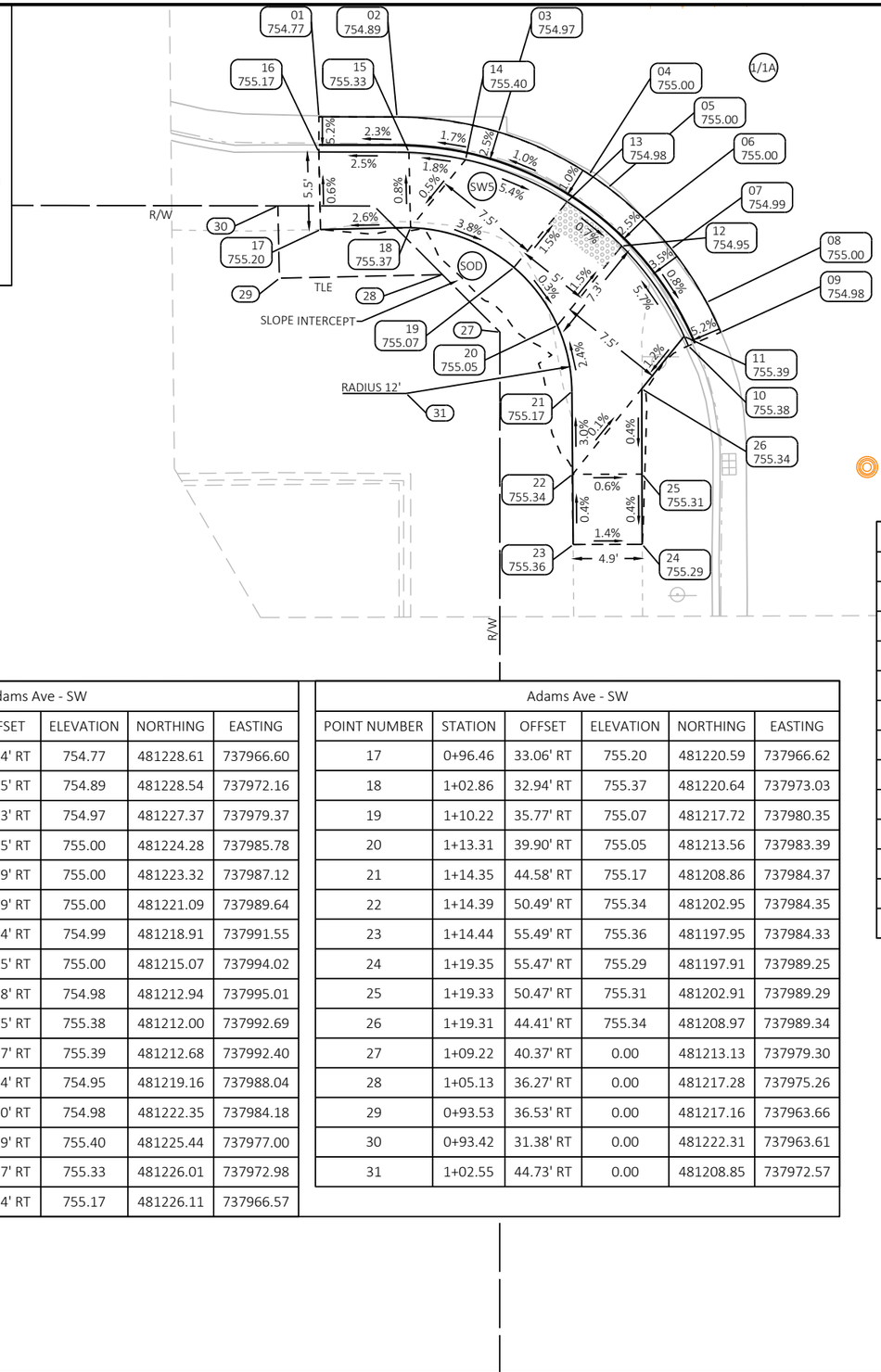
NOTES:

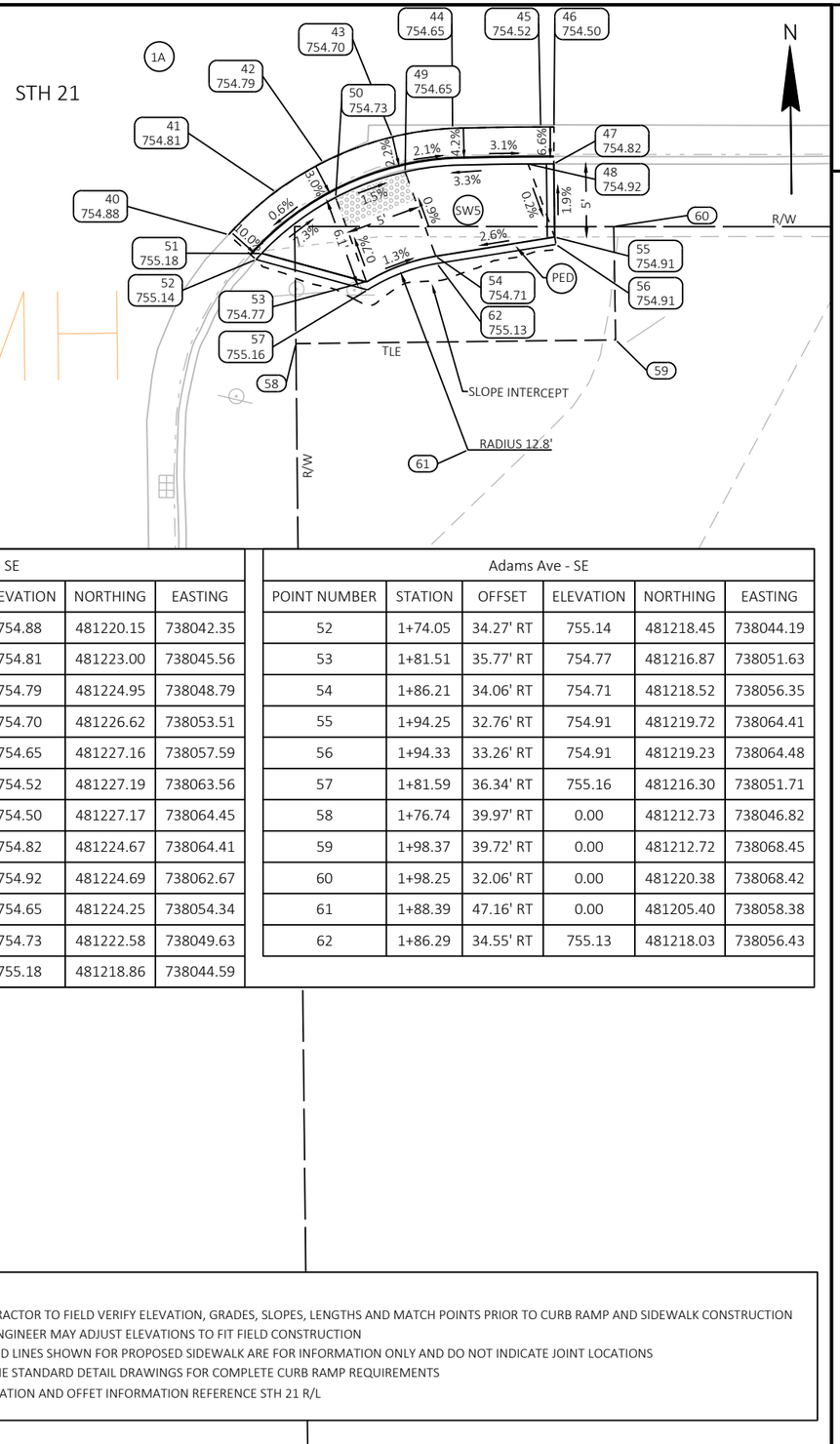
1. SAWCUT LIMITS ALONG WIDTH OF CURB & GUTTER AT REMOVE/REPLACE LIMITS.
2. ASPHALT REMOVAL IN FRONT OF CURB & GUTTER PAID AS REMOVING ASPHALTIC SURFACE.
3. SEE PLAN SHEETS AND MISCELLANEOUS QUANTITIES FOR APPROXIMATE LOCATIONS AND CURB TYPES

DETAIL FOR CURB & GUTTER REMOVAL/REPLACEMENT

LEGEND

- (X) CURB RAMP TYPE
- (SOD) SOD
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB





Adams Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	0+96.34	25.04' RT	754.77	481228.61	737966.60
02	1+01.90	25.05' RT	754.89	481228.54	737972.16
03	1+09.13	26.13' RT	754.97	481227.37	737979.37
04	1+15.57	29.15' RT	755.00	481224.28	737985.78
05	1+16.92	30.09' RT	755.00	481223.32	737987.12
06	1+19.47	32.29' RT	755.00	481221.09	737989.64
07	1+21.41	34.44' RT	754.99	481218.91	737991.55
08	1+23.92	38.25' RT	755.00	481215.07	737994.02
09	1+24.93	40.38' RT	754.98	481212.94	737995.01
10	1+22.63	41.35' RT	755.38	481212.00	737992.69
11	1+22.33	40.67' RT	755.39	481212.68	737992.40
12	1+17.89	34.24' RT	754.95	481219.16	737988.04
13	1+14.00	31.10' RT	754.98	481222.35	737984.18
14	1+06.78	28.09' RT	755.40	481225.44	737977.00
15	1+02.75	27.57' RT	755.33	481226.01	737972.98
16	0+96.34	27.54' RT	755.17	481226.11	737966.57

Adams Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
17	0+96.46	33.06' RT	755.20	481220.59	737966.62
18	1+02.86	32.94' RT	755.37	481220.64	737973.03
19	1+10.22	35.77' RT	755.07	481217.72	737980.35
20	1+13.31	39.90' RT	755.05	481213.56	737983.39
21	1+14.35	44.58' RT	755.17	481208.86	737984.37
22	1+14.39	50.49' RT	755.34	481202.95	737984.35
23	1+14.44	55.49' RT	755.36	481197.95	737984.33
24	1+19.35	55.47' RT	755.29	481197.91	737989.25
25	1+19.33	50.47' RT	755.31	481202.91	737989.29
26	1+19.31	44.41' RT	755.34	481208.97	737989.34
27	1+09.22	40.37' RT	0.00	481213.13	737979.30
28	1+05.13	36.27' RT	0.00	481217.28	737975.26
29	0+93.53	36.53' RT	0.00	481217.16	737963.66
30	0+93.42	31.38' RT	0.00	481222.31	737963.61
31	1+02.55	44.73' RT	0.00	481208.85	737972.57

Adams Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
40	1+72.19	32.60' RT	754.88	481220.15	738042.35
41	1+75.36	29.71' RT	754.81	481223.00	738045.56
42	1+78.57	27.72' RT	754.79	481224.95	738048.79
43	1+83.26	26.00' RT	754.70	481226.62	738053.51
44	1+87.34	25.41' RT	754.65	481227.16	738057.59
45	1+93.31	25.31' RT	754.52	481227.19	738063.56
46	1+94.20	25.31' RT	754.50	481227.17	738064.45
47	1+94.19	27.81' RT	754.82	481224.67	738064.41
48	1+92.45	27.81' RT	754.92	481224.69	738062.67
49	1+84.13	28.36' RT	754.65	481224.25	738054.34
50	1+79.44	30.08' RT	754.73	481222.58	738049.63
51	1+74.44	33.87' RT	755.18	481218.86	738044.59

Adams Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
52	1+74.05	34.27' RT	755.14	481218.45	738044.19
53	1+81.51	35.77' RT	754.77	481216.87	738051.63
54	1+86.21	34.06' RT	754.71	481218.52	738056.35
55	1+94.25	32.76' RT	754.91	481219.72	738064.41
56	1+94.33	33.26' RT	754.91	481219.23	738064.48
57	1+81.59	36.34' RT	755.16	481216.30	738051.71
58	1+76.74	39.97' RT	0.00	481212.73	738046.82
59	1+98.37	39.72' RT	0.00	481212.72	738068.45
60	1+98.25	32.06' RT	0.00	481220.38	738068.42
61	1+88.39	47.16' RT	0.00	481205.40	738058.38
62	1+86.29	34.55' RT	755.13	481218.03	738056.43

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - ADAMS AVE SW/SE	SHEET E

PRE_15

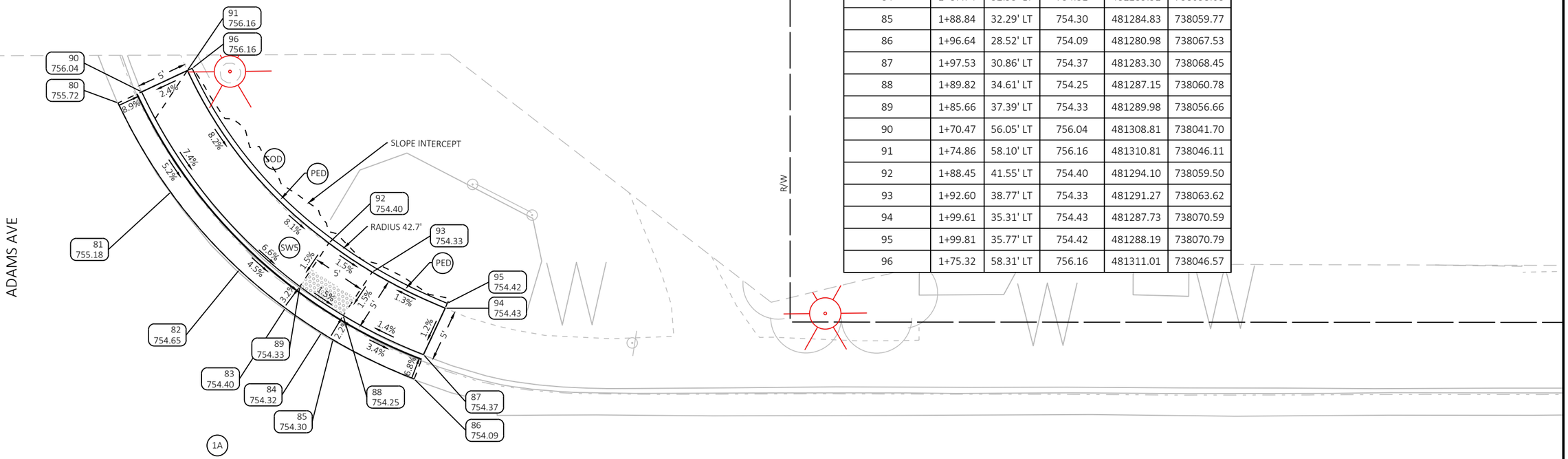
FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 01-Adams-SW-SE

PLOT DATE : 9/1/2023 11:32 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Adams Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
80	1+68.21	54.99' LT	755.72	481307.78	738039.42
81	1+73.26	46.44' LT	755.18	481299.17	738044.37
82	1+79.85	39.00' LT	754.65	481291.65	738050.87
83	1+84.27	35.31' LT	754.40	481287.91	738055.24
84	1+87.74	32.95' LT	754.32	481285.51	738058.68
85	1+88.84	32.29' LT	754.30	481284.83	738059.77
86	1+96.64	28.52' LT	754.09	481280.98	738067.53
87	1+97.53	30.86' LT	754.37	481283.30	738068.45
88	1+89.82	34.61' LT	754.25	481287.15	738060.78
89	1+85.66	37.39' LT	754.33	481289.98	738056.66
90	1+70.47	56.05' LT	756.04	481308.81	738041.70
91	1+74.86	58.10' LT	756.16	481310.81	738046.11
92	1+88.45	41.55' LT	754.40	481294.10	738059.50
93	1+92.60	38.77' LT	754.33	481291.27	738063.62
94	1+99.61	35.31' LT	754.43	481287.73	738070.59
95	1+99.81	35.77' LT	754.42	481288.19	738070.79
96	1+75.32	58.31' LT	756.16	481311.01	738046.57

N

2

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - ADAMS AVE NE	SHEET E

PRE_16

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 02-Adams-NE
PLOT DATE : 9/1/2023 11:33 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

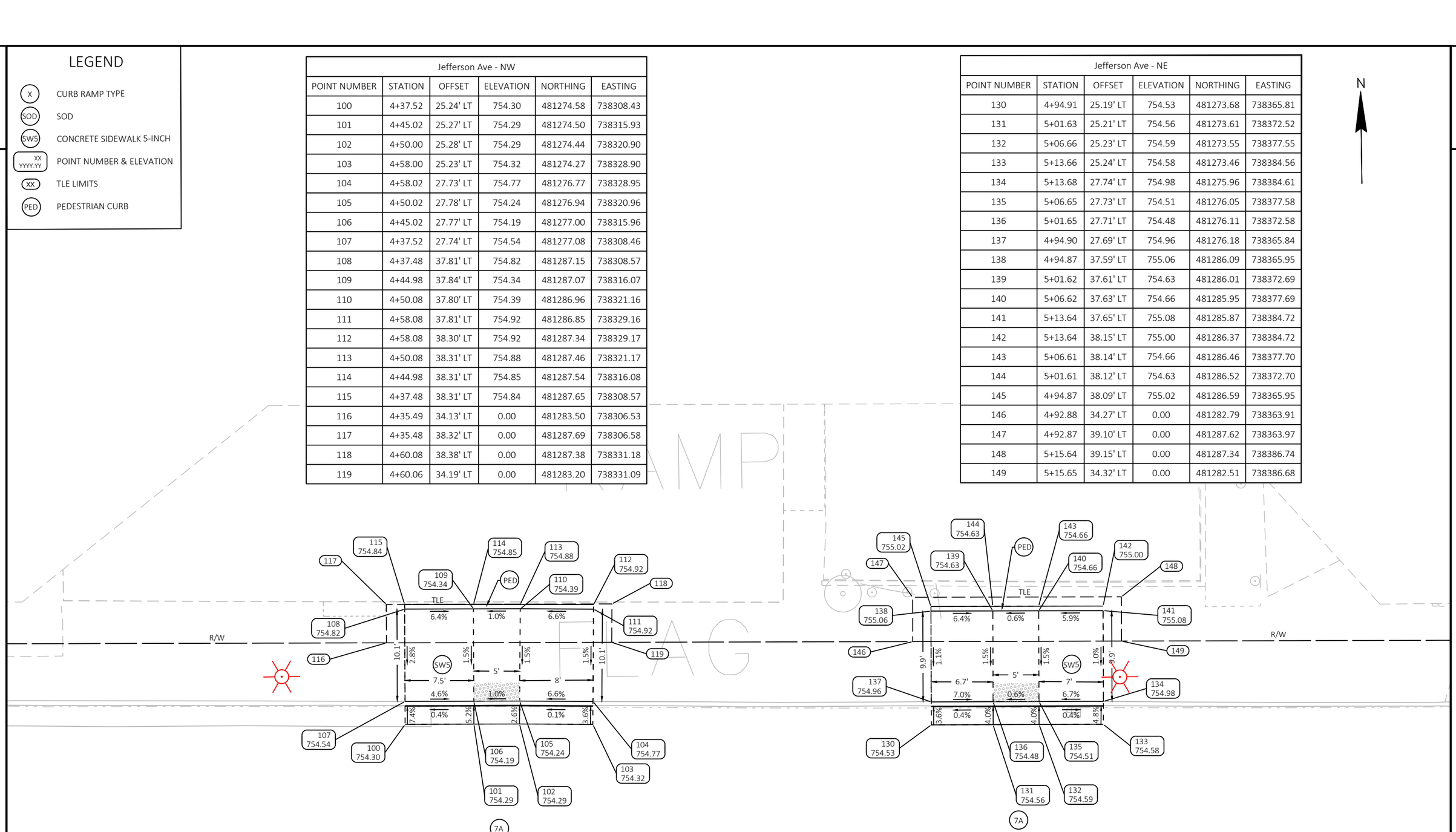
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LEGEND

- (X) CURB RAMP TYPE
- (SOD) SOD
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX / YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

Jefferson Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	4+37.52	25.24' LT	754.30	481274.58	738308.43
101	4+45.02	25.27' LT	754.29	481274.50	738315.93
102	4+50.00	25.28' LT	754.29	481274.44	738320.90
103	4+58.00	25.23' LT	754.32	481274.27	738328.90
104	4+58.02	27.73' LT	754.77	481276.77	738328.95
105	4+50.02	27.78' LT	754.24	481276.94	738320.96
106	4+45.02	27.77' LT	754.19	481277.00	738315.96
107	4+37.52	27.74' LT	754.54	481277.08	738308.46
108	4+37.48	37.81' LT	754.82	481287.15	738308.57
109	4+44.98	37.84' LT	754.34	481287.07	738316.07
110	4+50.08	37.80' LT	754.39	481286.96	738321.16
111	4+58.08	37.81' LT	754.92	481286.85	738329.16
112	4+58.08	38.30' LT	754.92	481287.34	738329.17
113	4+50.08	38.31' LT	754.88	481287.46	738321.17
114	4+44.98	38.31' LT	754.85	481287.54	738316.08
115	4+37.48	38.31' LT	754.84	481287.65	738308.57
116	4+35.49	34.13' LT	0.00	481283.50	738306.53
117	4+35.48	38.32' LT	0.00	481287.69	738306.58
118	4+60.08	38.38' LT	0.00	481287.38	738331.18
119	4+60.06	34.19' LT	0.00	481283.20	738331.09

Jefferson Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
130	4+94.91	25.19' LT	754.53	481273.68	738365.81
131	5+01.63	25.21' LT	754.56	481273.61	738372.52
132	5+06.66	25.23' LT	754.59	481273.55	738377.55
133	5+13.66	25.24' LT	754.58	481273.46	738384.56
134	5+13.68	27.74' LT	754.98	481275.96	738384.61
135	5+06.65	27.73' LT	754.51	481276.05	738377.58
136	5+01.65	27.71' LT	754.48	481276.11	738372.58
137	4+94.90	27.69' LT	754.96	481276.18	738365.84
138	4+94.87	37.59' LT	755.06	481286.09	738365.95
139	5+01.62	37.61' LT	754.63	481286.01	738372.69
140	5+06.62	37.63' LT	754.66	481285.95	738377.69
141	5+13.64	37.65' LT	755.08	481285.87	738384.72
142	5+13.64	38.15' LT	755.00	481286.37	738384.72
143	5+06.61	38.14' LT	754.66	481286.46	738377.70
144	5+01.61	38.12' LT	754.63	481286.52	738372.70
145	4+94.87	38.09' LT	755.02	481286.59	738365.95
146	4+92.88	34.27' LT	0.00	481282.79	738363.91
147	4+92.87	39.10' LT	0.00	481287.62	738363.97
148	5+15.64	39.15' LT	0.00	481287.34	738386.74
149	5+15.65	34.32' LT	0.00	481282.51	738386.68



STH 21

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
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3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - JEFFERSON AVE NW/NE	SHEET E

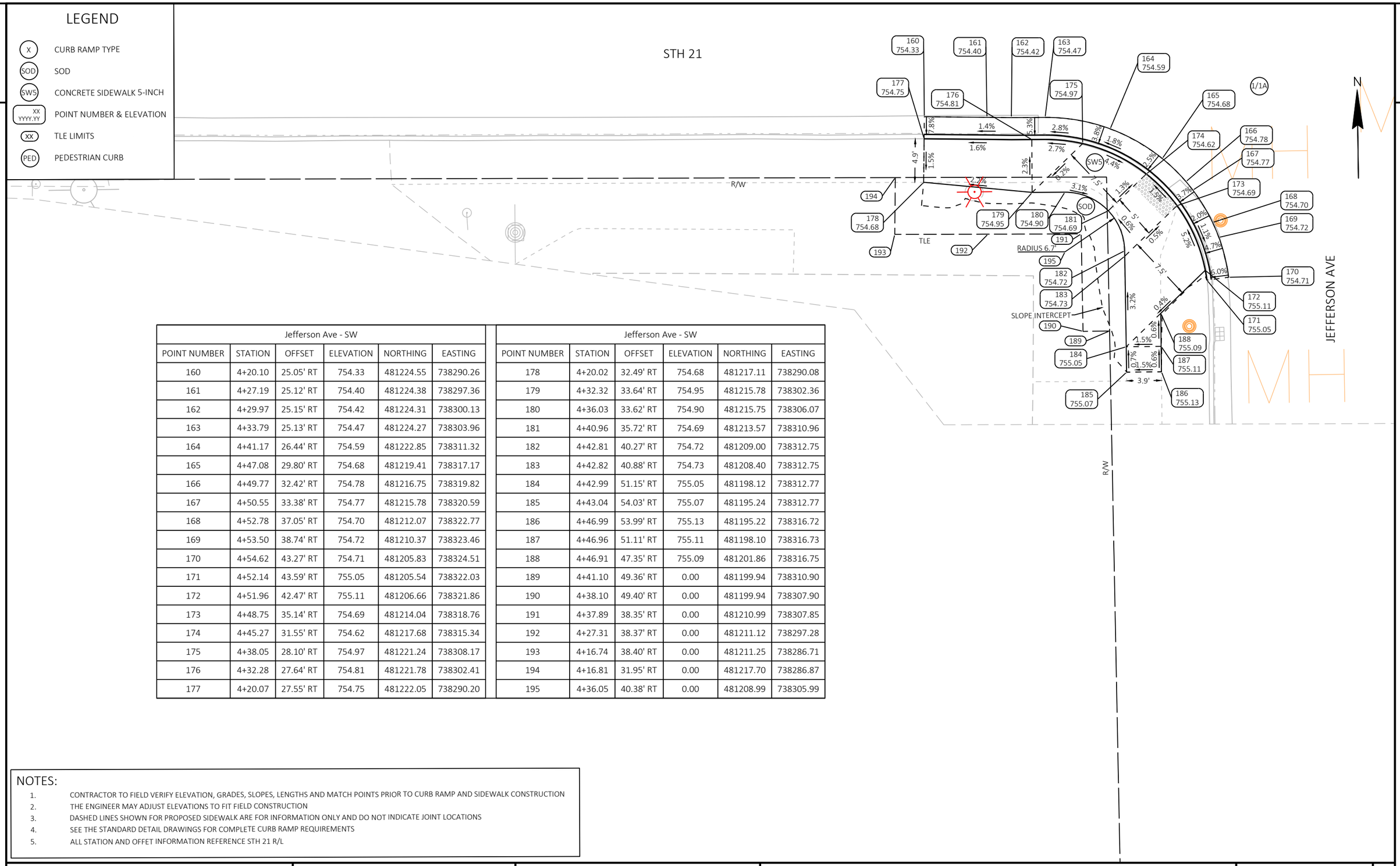
PRE_17

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 03-Jefferson-NW-NE
PLOT DATE : 9/1/2023 11:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

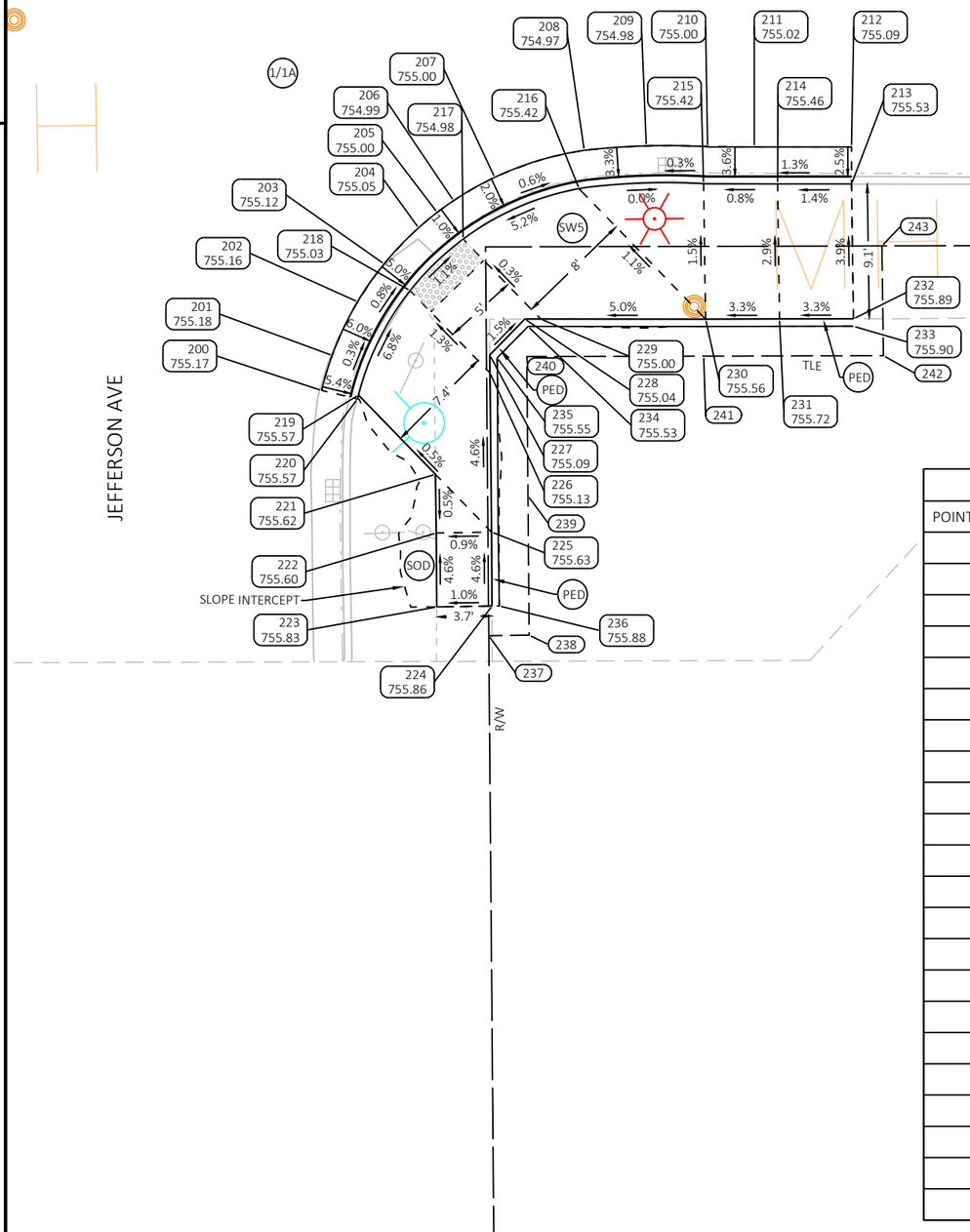


Jefferson Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
160	4+20.10	25.05' RT	754.33	481224.55	738290.26
161	4+27.19	25.12' RT	754.40	481224.38	738297.36
162	4+29.97	25.15' RT	754.42	481224.31	738300.13
163	4+33.79	25.13' RT	754.47	481224.27	738303.96
164	4+41.17	26.44' RT	754.59	481222.85	738311.32
165	4+47.08	29.80' RT	754.68	481219.41	738317.17
166	4+49.77	32.42' RT	754.78	481216.75	738319.82
167	4+50.55	33.38' RT	754.77	481215.78	738320.59
168	4+52.78	37.05' RT	754.70	481212.07	738322.77
169	4+53.50	38.74' RT	754.72	481210.37	738323.46
170	4+54.62	43.27' RT	754.71	481205.83	738324.51
171	4+52.14	43.59' RT	755.05	481205.54	738322.03
172	4+51.96	42.47' RT	755.11	481206.66	738321.86
173	4+48.75	35.14' RT	754.69	481214.04	738318.76
174	4+45.27	31.55' RT	754.62	481217.68	738315.34
175	4+38.05	28.10' RT	754.97	481221.24	738308.17
176	4+32.28	27.64' RT	754.81	481221.78	738302.41
177	4+20.07	27.55' RT	754.75	481222.05	738290.20

Jefferson Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
178	4+20.02	32.49' RT	754.68	481217.11	738290.08
179	4+32.32	33.64' RT	754.95	481215.78	738302.36
180	4+36.03	33.62' RT	754.90	481215.75	738306.07
181	4+40.96	35.72' RT	754.69	481213.57	738310.96
182	4+42.81	40.27' RT	754.72	481209.00	738312.75
183	4+42.82	40.88' RT	754.73	481208.40	738312.75
184	4+42.99	51.15' RT	755.05	481198.12	738312.77
185	4+43.04	54.03' RT	755.07	481195.24	738312.77
186	4+46.99	53.99' RT	755.13	481195.22	738316.72
187	4+46.96	51.11' RT	755.11	481198.10	738316.73
188	4+46.91	47.35' RT	755.09	481201.86	738316.75
189	4+41.10	49.36' RT	0.00	481199.94	738310.90
190	4+38.10	49.40' RT	0.00	481199.94	738307.90
191	4+37.89	38.35' RT	0.00	481210.99	738307.85
192	4+27.31	38.37' RT	0.00	481211.12	738297.28
193	4+16.74	38.40' RT	0.00	481211.25	738286.71
194	4+16.81	31.95' RT	0.00	481217.70	738286.87
195	4+36.05	40.38' RT	0.00	481208.99	738305.99

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L





LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

Jefferson Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	4+95.68	41.44' RT	755.17	481207.05	738365.59
201	4+96.39	39.07' RT	755.18	481209.41	738366.34
202	4+98.12	35.45' RT	755.16	481213.01	738368.12
203	4+99.91	32.88' RT	755.12	481215.55	738369.95
204	5+02.23	30.45' RT	755.05	481217.95	738372.31
205	5+03.49	29.40' RT	755.00	481218.97	738373.59
206	5+04.60	28.61' RT	754.99	481219.75	738374.70
207	5+07.38	27.03' RT	755.00	481221.29	738377.51
208	5+13.44	25.21' RT	754.97	481223.02	738383.59
209	5+17.63	24.90' RT	754.98	481223.26	738387.79
210	5+21.78	24.97' RT	755.00	481223.14	738391.94
211	5+24.93	24.97' RT	755.02	481223.09	738395.09
212	5+31.51	24.97' RT	755.09	481222.99	738401.66
213	5+31.51	27.49' RT	755.53	481220.48	738401.62
214	5+26.51	27.47' RT	755.46	481220.57	738396.63
215	5+21.51	27.46' RT	755.42	481220.65	738391.63
216	5+13.09	27.80' RT	755.42	481220.44	738383.20
217	5+05.25	31.21' RT	754.98	481217.14	738375.31
218	5+01.66	34.69' RT	755.03	481213.71	738371.67
219	4+98.17	41.75' RT	755.57	481206.70	738368.08
220	4+98.11	42.02' RT	755.57	481206.44	738368.01
221	5+03.38	47.12' RT	755.62	481201.26	738373.21

Jefferson Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
222	5+03.43	51.08' RT	755.60	481197.29	738373.20
223	5+03.46	56.08' RT	755.83	481192.29	738373.16
224	5+07.20	56.03' RT	755.86	481192.30	738376.90
225	5+07.17	51.03' RT	755.63	481197.30	738376.94
226	5+07.06	40.25' RT	755.13	481208.07	738376.99
227	5+07.05	39.05' RT	755.09	481209.28	738376.99
228	5+09.42	36.61' RT	755.04	481211.68	738379.41
229	5+10.49	36.61' RT	755.00	481211.66	738380.48
230	5+21.64	36.62' RT	755.56	481211.49	738391.62
231	5+26.64	36.61' RT	755.72	481211.43	738396.63
232	5+31.64	36.60' RT	755.89	481211.37	738401.62
233	5+31.64	37.10' RT	755.90	481210.87	738401.62
234	5+09.63	37.11' RT	755.53	481211.17	738379.61
235	5+07.55	39.25' RT	755.55	481209.07	738377.49
236	5+07.69	56.02' RT	755.88	481192.29	738377.39
237	5+06.98	58.03' RT	0.00	481190.29	738376.65
238	5+09.71	57.99' RT	0.00	481190.29	738379.38
239	5+09.63	48.57' RT	0.00	481199.71	738379.44
240	5+09.55	39.15' RT	0.00	481209.14	738379.50
241	5+21.51	39.12' RT	0.00	481208.99	738391.46
242	5+33.67	39.09' RT	0.00	481208.84	738403.62
243	5+33.57	31.67' RT	0.00	481216.27	738403.62

NOTES:

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5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - JEFFERSON AVE SE	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 05-Jefferson-SE
PLOT DATE : 9/1/2023 11:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

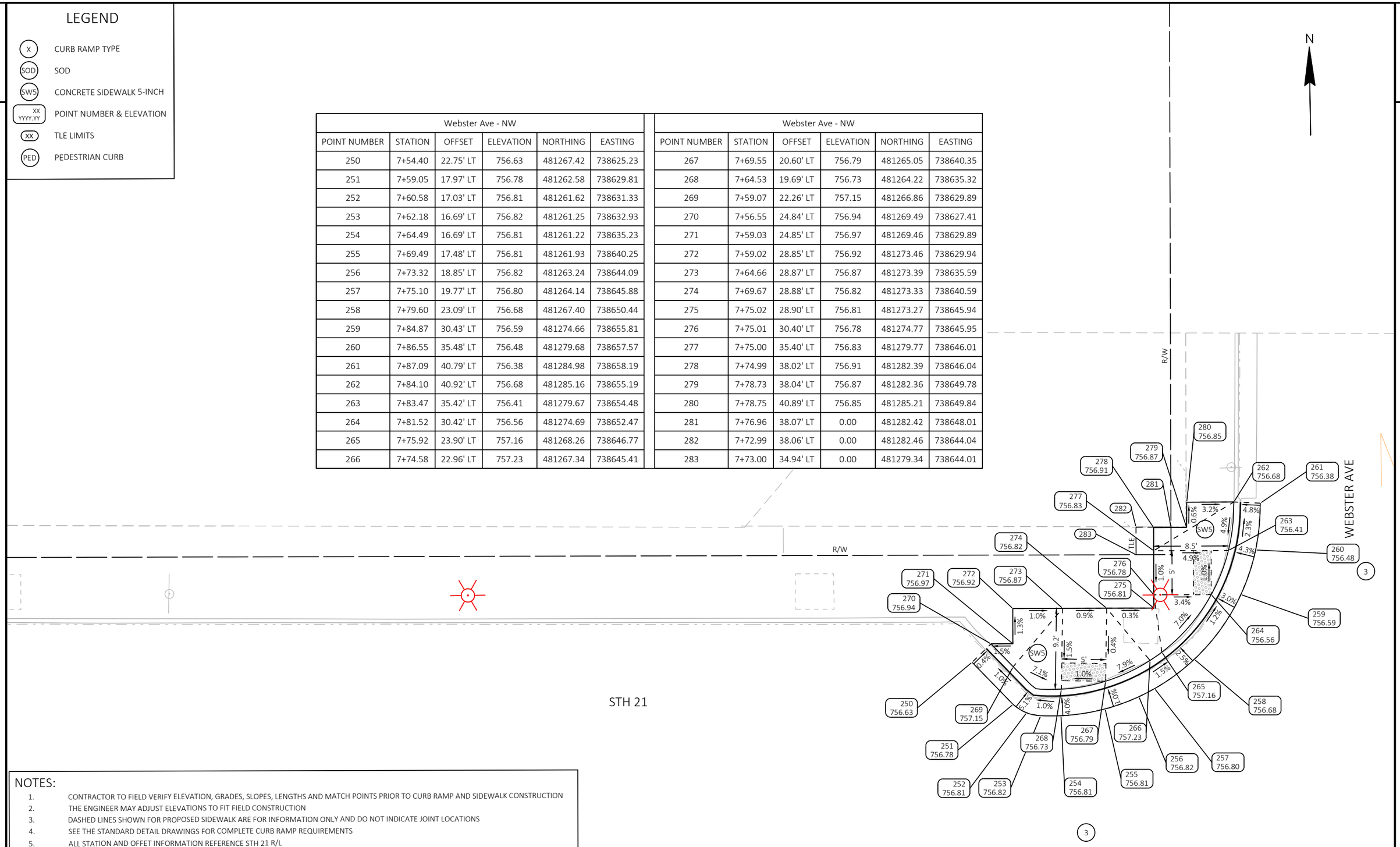
PRE_19

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

Webster Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
250	7+54.40	22.75' LT	756.63	481267.42	738625.23
251	7+59.05	17.97' LT	756.78	481262.58	738629.81
252	7+60.58	17.03' LT	756.81	481261.62	738631.33
253	7+62.18	16.69' LT	756.82	481261.25	738632.93
254	7+64.49	16.69' LT	756.81	481261.22	738635.23
255	7+69.49	17.48' LT	756.81	481261.93	738640.25
256	7+73.32	18.85' LT	756.82	481263.24	738644.09
257	7+75.10	19.77' LT	756.80	481264.14	738645.88
258	7+79.60	23.09' LT	756.68	481267.40	738650.44
259	7+84.87	30.43' LT	756.59	481274.66	738655.81
260	7+86.55	35.48' LT	756.48	481279.68	738657.57
261	7+87.09	40.79' LT	756.38	481284.98	738658.19
262	7+84.10	40.92' LT	756.68	481285.16	738655.19
263	7+83.47	35.42' LT	756.41	481279.67	738654.48
264	7+81.52	30.42' LT	756.56	481274.69	738652.47
265	7+75.92	23.90' LT	757.16	481268.26	738646.77
266	7+74.58	22.96' LT	757.23	481267.34	738645.41

Webster Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
267	7+69.55	20.60' LT	756.79	481265.05	738640.35
268	7+64.53	19.69' LT	756.73	481264.22	738635.32
269	7+59.07	22.26' LT	757.15	481266.86	738629.89
270	7+56.55	24.84' LT	756.94	481269.49	738627.41
271	7+59.03	24.85' LT	756.97	481269.46	738629.89
272	7+59.02	28.85' LT	756.92	481273.46	738629.94
273	7+64.66	28.87' LT	756.87	481273.39	738635.59
274	7+69.67	28.88' LT	756.82	481273.33	738640.59
275	7+75.02	28.90' LT	756.81	481273.27	738645.94
276	7+75.01	30.40' LT	756.78	481274.77	738645.95
277	7+75.00	35.40' LT	756.83	481279.77	738646.01
278	7+74.99	38.02' LT	756.91	481282.39	738646.04
279	7+78.73	38.04' LT	756.87	481282.36	738649.78
280	7+78.75	40.89' LT	756.85	481285.21	738649.84
281	7+76.96	38.07' LT	0.00	481282.42	738648.01
282	7+72.99	38.06' LT	0.00	481282.46	738644.04
283	7+73.00	34.94' LT	0.00	481279.34	738644.01



NOTES:

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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WEBSTER AVE NW	SHEET E

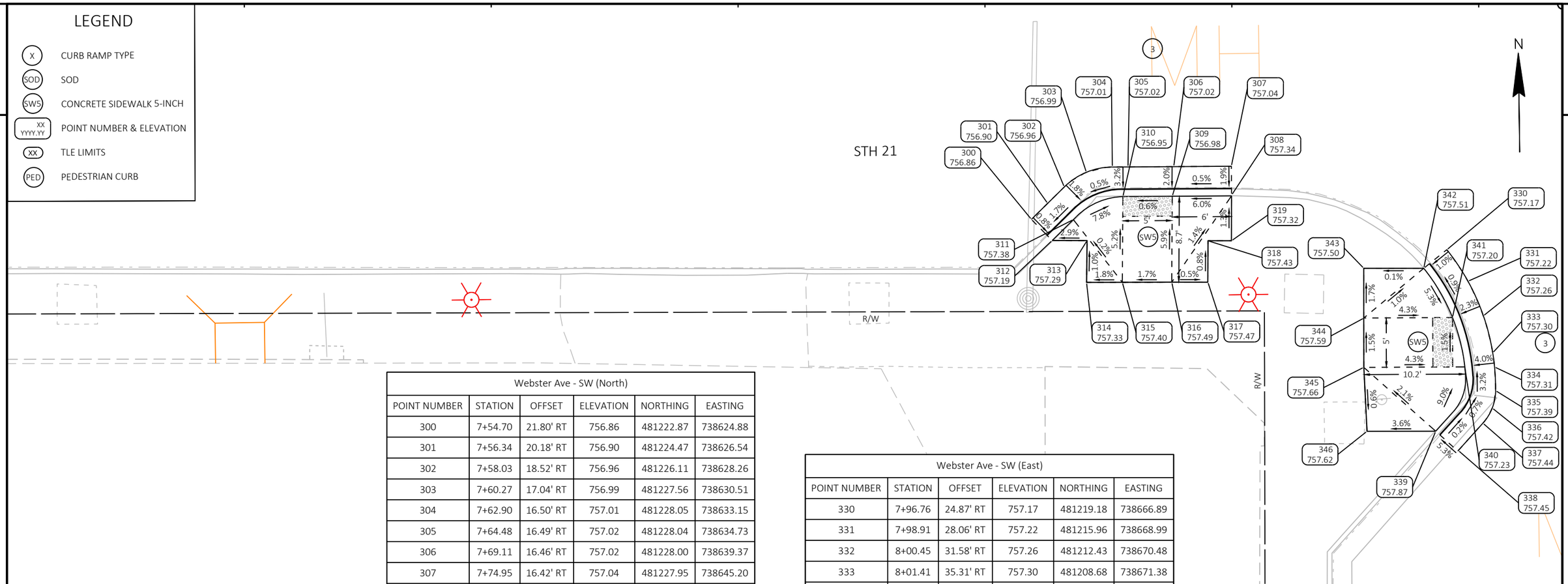
PRE_20

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 06-Webster-NW
PLOT DATE : 9/1/2023 11:33 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Webster Ave - SW (North)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	7+54.70	21.80' RT	756.86	481222.87	738624.88
301	7+56.34	20.18' RT	756.90	481224.47	738626.54
302	7+58.03	18.52' RT	756.96	481226.11	738628.26
303	7+60.27	17.04' RT	756.99	481227.56	738630.51
304	7+62.90	16.50' RT	757.01	481228.05	738633.15
305	7+64.48	16.49' RT	757.02	481228.04	738634.73
306	7+69.11	16.46' RT	757.02	481228.00	738639.37
307	7+74.95	16.42' RT	757.04	481227.95	738645.20
308	7+74.97	19.34' RT	757.34	481225.04	738645.18
309	7+68.97	19.46' RT	756.98	481225.00	738639.18
310	7+63.97	19.50' RT	756.95	481225.04	738634.18
311	7+58.95	21.82' RT	757.38	481222.79	738629.13
312	7+56.81	23.94' RT	757.19	481220.71	738626.95
313	7+60.34	23.94' RT	757.29	481220.65	738630.49
314	7+60.29	28.18' RT	757.33	481216.42	738630.37
315	7+63.91	28.17' RT	757.40	481216.37	738633.99
316	7+68.91	28.16' RT	757.49	481216.31	738638.99
317	7+72.57	28.14' RT	757.47	481216.27	738642.65
318	7+72.59	23.96' RT	757.43	481220.45	738642.73
319	7+74.96	23.97' RT	757.32	481220.41	738645.10

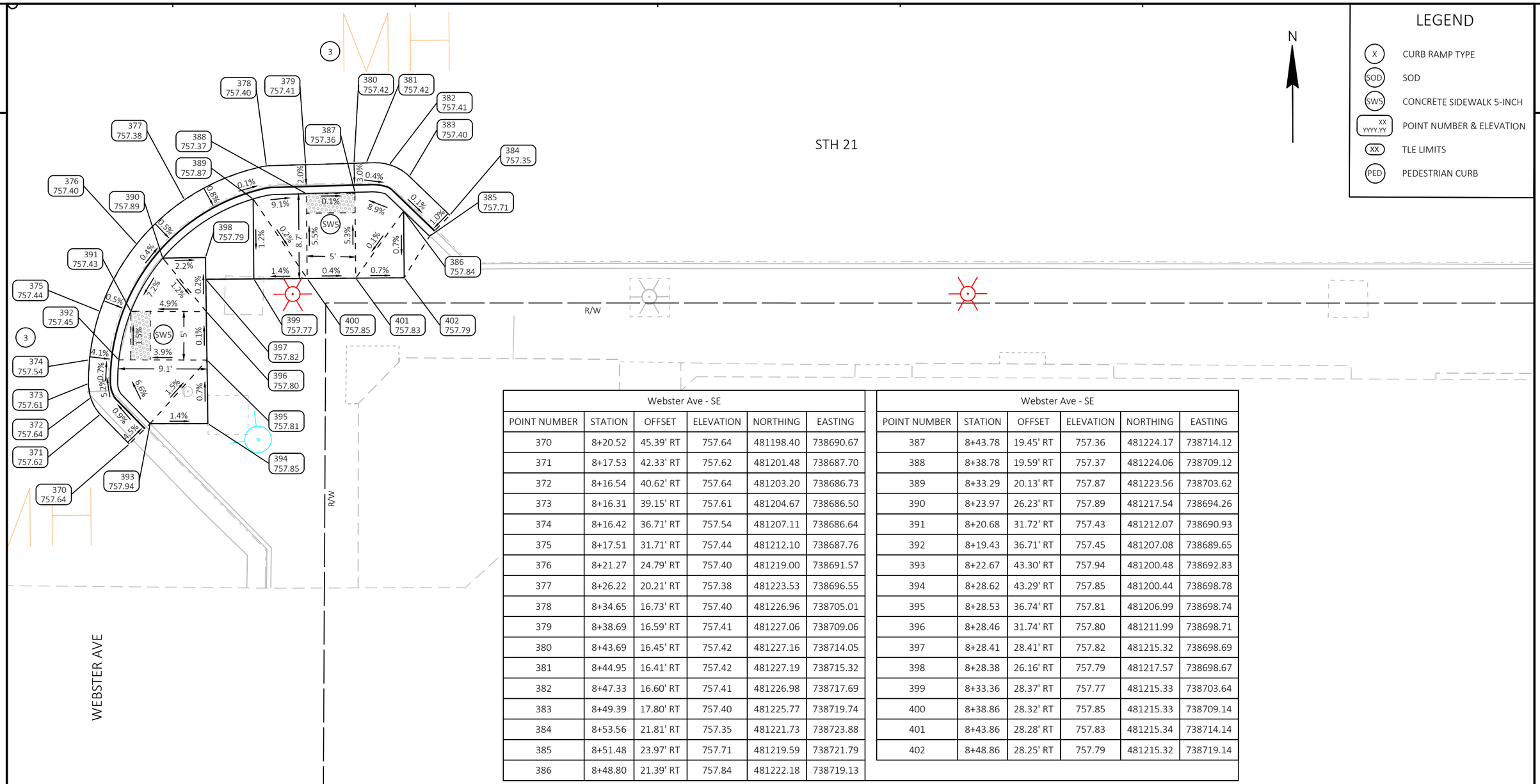
Webster Ave - SW (East)					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
330	7+96.76	24.87' RT	757.17	481219.18	738666.89
331	7+98.91	28.06' RT	757.22	481215.96	738668.99
332	8+00.45	31.58' RT	757.26	481212.43	738670.48
333	8+01.41	35.31' RT	757.30	481208.68	738671.38
334	8+01.60	36.74' RT	757.31	481207.25	738671.55
335	8+01.70	39.14' RT	757.39	481204.85	738671.62
336	8+01.36	40.90' RT	757.42	481203.09	738671.25
337	8+00.42	42.43' RT	757.44	481201.58	738670.29
338	7+97.93	45.20' RT	757.45	481198.84	738667.76
339	7+95.65	43.25' RT	757.87	481200.83	738665.50
340	7+98.59	36.73' RT	757.23	481207.30	738668.54
341	7+97.34	31.74' RT	757.20	481212.31	738667.36
342	7+94.43	26.75' RT	757.51	481217.34	738664.53
343	7+88.36	26.76' RT	757.50	481217.42	738658.46
344	7+88.38	31.78' RT	757.59	481212.40	738658.41
345	7+88.36	36.78' RT	757.66	481207.40	738658.31
346	7+88.69	43.25' RT	757.62	481200.93	738658.55

NOTES:

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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WEBSTER AVE SW	SHEET E

PRE_21



Webster Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
370	8+20.52	45.39' RT	757.64	481198.40	738690.67
371	8+17.53	42.33' RT	757.62	481201.48	738687.70
372	8+16.54	40.62' RT	757.64	481203.20	738686.73
373	8+16.31	39.15' RT	757.61	481204.67	738686.50
374	8+16.42	36.71' RT	757.54	481207.11	738686.64
375	8+17.51	31.71' RT	757.44	481212.10	738687.76
376	8+21.27	24.79' RT	757.40	481219.00	738691.57
377	8+26.22	20.21' RT	757.38	481223.53	738696.55
378	8+34.65	16.73' RT	757.40	481226.96	738705.01
379	8+38.69	16.59' RT	757.41	481227.06	738709.06
380	8+43.69	16.45' RT	757.42	481227.16	738714.05
381	8+44.95	16.41' RT	757.42	481227.19	738715.32
382	8+47.33	16.60' RT	757.41	481226.98	738717.69
383	8+49.39	17.80' RT	757.40	481225.77	738719.74
384	8+53.56	21.81' RT	757.35	481221.73	738723.88
385	8+51.48	23.97' RT	757.71	481219.59	738721.79
386	8+48.80	21.39' RT	757.84	481222.18	738719.13

Webster Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
387	8+43.78	19.45' RT	757.36	481224.17	738714.12
388	8+38.78	19.59' RT	757.37	481224.06	738709.12
389	8+33.29	20.13' RT	757.87	481223.56	738703.62
390	8+23.97	26.23' RT	757.89	481217.54	738694.26
391	8+20.68	31.72' RT	757.43	481212.07	738690.93
392	8+19.43	36.71' RT	757.45	481207.08	738689.65
393	8+22.67	43.30' RT	757.94	481200.48	738692.83
394	8+28.62	43.29' RT	757.85	481200.44	738698.78
395	8+28.53	36.74' RT	757.81	481206.99	738698.74
396	8+28.46	31.74' RT	757.80	481211.99	738698.71
397	8+28.41	28.41' RT	757.82	481215.32	738698.69
398	8+28.38	26.16' RT	757.79	481217.57	738698.67
399	8+33.36	28.37' RT	757.77	481215.33	738703.64
400	8+38.86	28.32' RT	757.85	481215.33	738709.14
401	8+43.86	28.28' RT	757.83	481215.34	738714.14
402	8+48.86	28.25' RT	757.79	481215.32	738719.14

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - WEBSTER AVE SE	SHEET E

PRE_22

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 08-Webster-SE

PLOT DATE : 9/1/2023 11:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

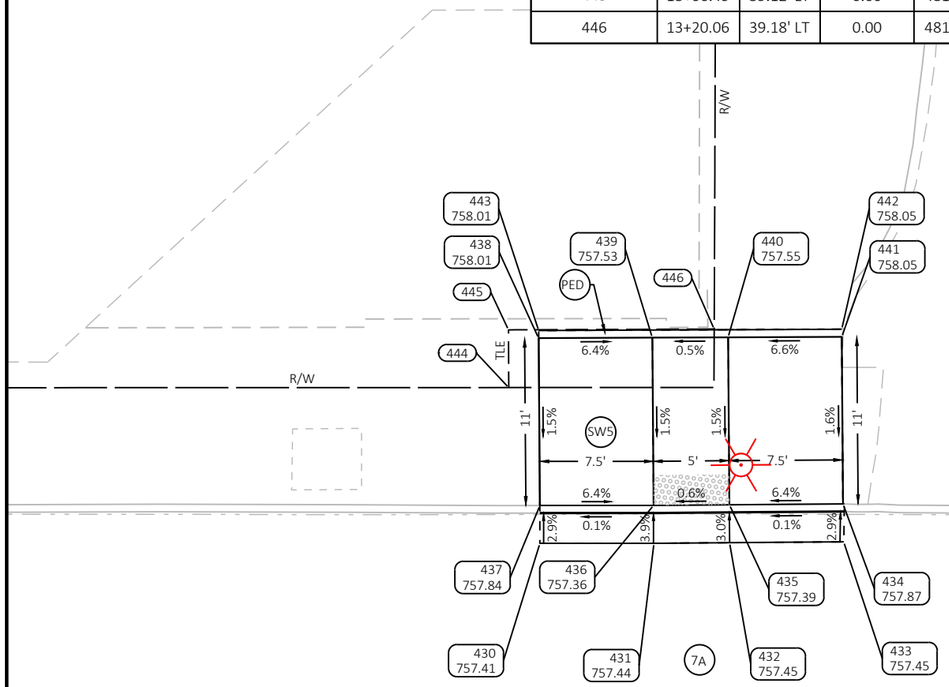
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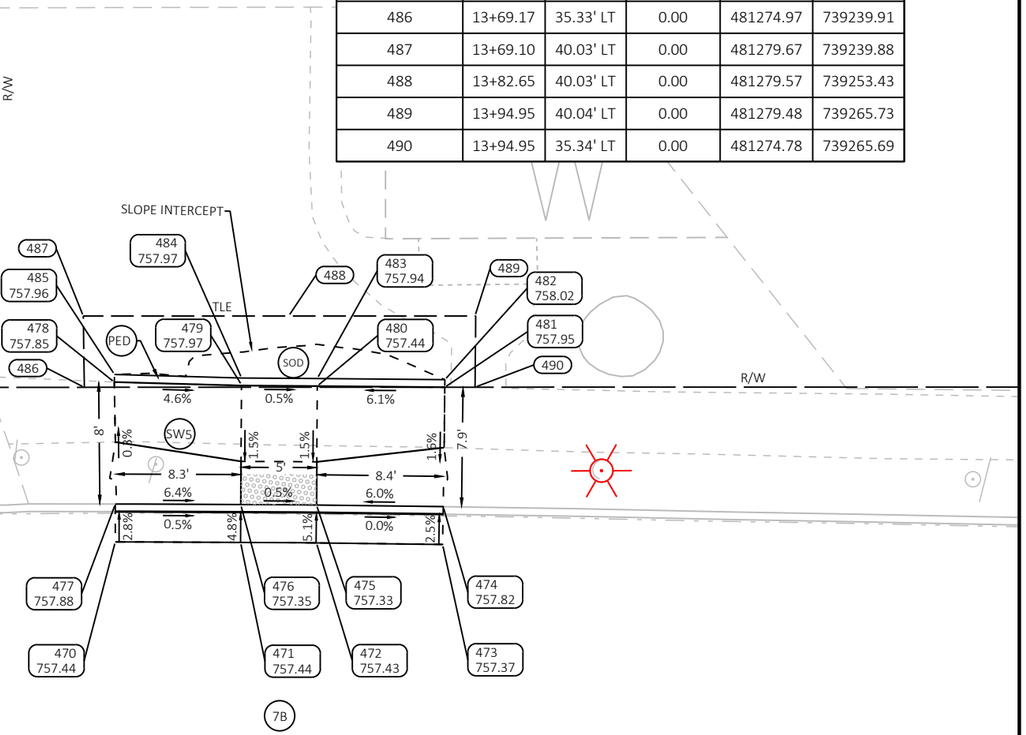
LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

Madison Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
430	13+08.56	25.03' LT	757.41	481265.13	739179.23
431	13+16.09	25.04' LT	757.44	481265.08	739186.75
432	13+21.08	25.08' LT	757.45	481265.08	739191.74
433	13+28.61	25.13' LT	757.45	481265.08	739199.28
434	13+28.56	27.63' LT	757.87	481267.58	739199.25
435	13+21.07	27.58' LT	757.39	481267.58	739191.75
436	13+16.06	27.54' LT	757.36	481267.58	739186.75
437	13+08.56	27.53' LT	757.84	481267.63	739179.25
438	13+08.48	38.57' LT	758.01	481278.67	739179.25
439	13+15.98	38.61' LT	757.53	481278.65	739186.75
440	13+20.98	38.63' LT	757.55	481278.63	739191.75
441	13+28.48	38.66' LT	758.05	481278.61	739199.25
442	13+28.48	39.16' LT	758.05	481279.11	739199.25
443	13+08.48	39.07' LT	758.01	481279.17	739179.25
444	13+06.50	35.31' LT	0.00	481275.43	739177.25
445	13+06.49	39.12' LT	0.00	481279.23	739177.26
446	13+20.06	39.18' LT	0.00	481279.19	739190.83

Madison Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
470	13+71.21	25.13' LT	757.44	481264.75	739241.88
471	13+79.48	25.10' LT	757.44	481264.66	739250.14
472	13+84.48	25.06' LT	757.43	481264.59	739255.14
473	13+92.81	24.96' LT	757.37	481264.42	739263.47
474	13+92.85	27.46' LT	757.82	481266.92	739263.53
475	13+84.49	27.56' LT	757.33	481267.09	739255.17
476	13+79.49	27.59' LT	757.35	481267.15	739250.17
477	13+71.21	27.63' LT	757.88	481267.25	739241.90
478	13+71.14	35.68' LT	757.85	481275.30	739241.89
479	13+79.54	35.49' LT	757.97	481275.05	739250.28
480	13+84.54	35.41' LT	757.44	481274.94	739255.28
481	13+92.95	35.33' LT	757.95	481274.79	739263.69
482	13+92.96	35.83' LT	758.02	481275.29	739263.70
483	13+84.54	35.91' LT	757.94	481275.44	739255.29
484	13+79.55	35.94' LT	757.97	481275.51	739250.30
485	13+71.15	36.18' LT	757.96	481275.80	739241.90
486	13+69.17	35.33' LT	0.00	481274.97	739239.91
487	13+69.10	40.03' LT	0.00	481279.67	739239.88
488	13+82.65	40.03' LT	0.00	481279.57	739253.43
489	13+94.95	40.04' LT	0.00	481279.48	739265.73
490	13+94.95	35.34' LT	0.00	481274.78	739265.69





STH 21

NOTES:

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4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MADISON AVE NW/NE	SHEET E

PRE_23

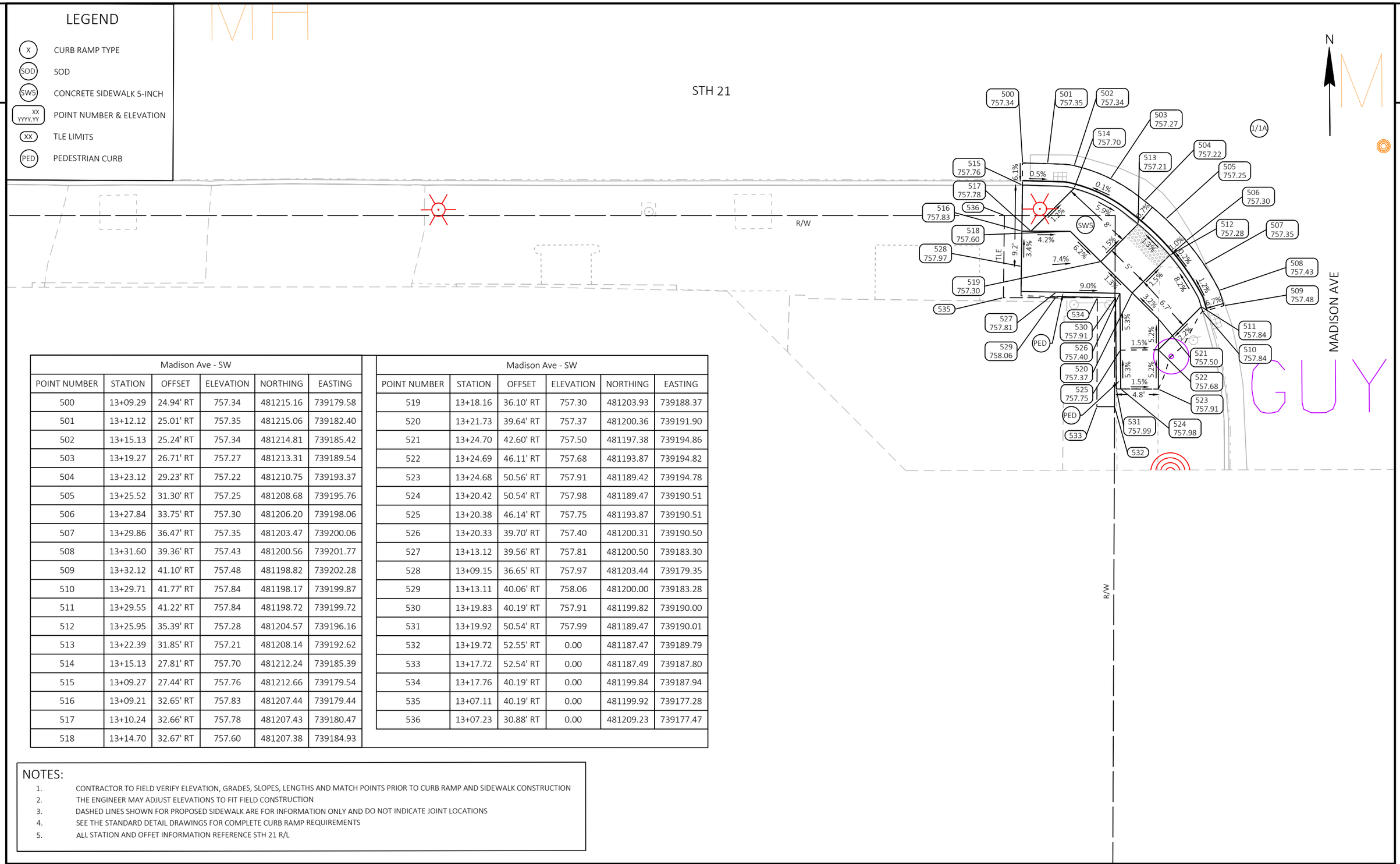
FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 09-Madison-NW-NE

PLOT DATE : 9/1/2023 11:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

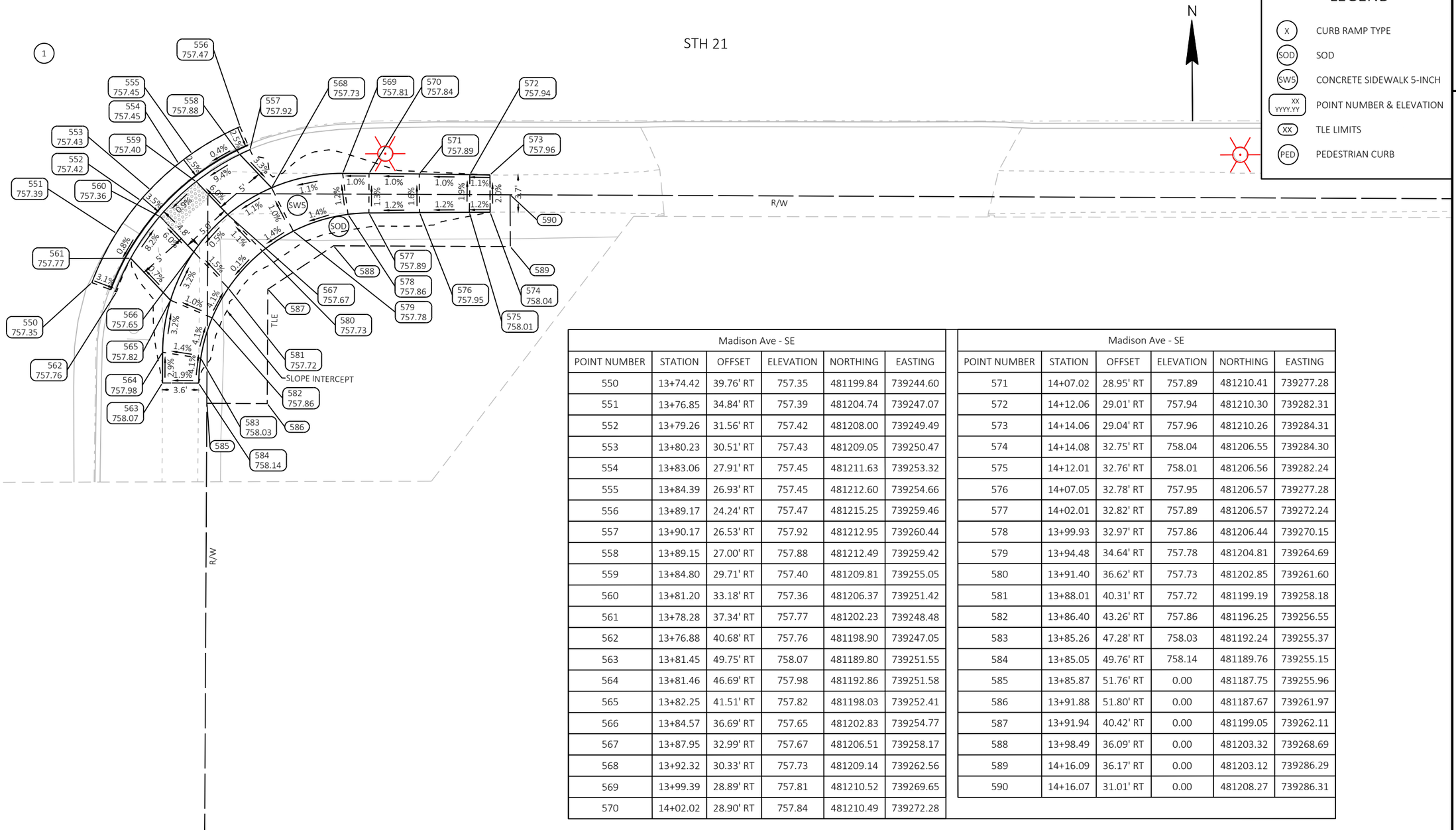


Madison Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	13+09.29	24.94' RT	757.34	481215.16	739179.58
501	13+12.12	25.01' RT	757.35	481215.06	739182.40
502	13+15.13	25.24' RT	757.34	481214.81	739185.42
503	13+19.27	26.71' RT	757.27	481213.31	739189.54
504	13+23.12	29.23' RT	757.22	481210.75	739193.37
505	13+25.52	31.30' RT	757.25	481208.68	739195.76
506	13+27.84	33.75' RT	757.30	481206.20	739198.06
507	13+29.86	36.47' RT	757.35	481203.47	739200.06
508	13+31.60	39.36' RT	757.43	481200.56	739201.77
509	13+32.12	41.10' RT	757.48	481198.82	739202.28
510	13+29.71	41.77' RT	757.84	481198.17	739199.87
511	13+29.55	41.22' RT	757.84	481198.72	739199.72
512	13+25.95	35.39' RT	757.28	481204.57	739196.16
513	13+22.39	31.85' RT	757.21	481208.14	739192.62
514	13+15.13	27.81' RT	757.70	481212.24	739185.39
515	13+09.27	27.44' RT	757.76	481212.66	739179.54
516	13+09.21	32.65' RT	757.83	481207.44	739179.44
517	13+10.24	32.66' RT	757.78	481207.43	739180.47
518	13+14.70	32.67' RT	757.60	481207.38	739184.93

Madison Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
519	13+18.16	36.10' RT	757.30	481203.93	739188.37
520	13+21.73	39.64' RT	757.37	481200.36	739191.90
521	13+24.70	42.60' RT	757.50	481197.38	739194.86
522	13+24.69	46.11' RT	757.68	481193.87	739194.82
523	13+24.68	50.56' RT	757.91	481189.42	739194.78
524	13+20.42	50.54' RT	757.98	481189.47	739190.51
525	13+20.38	46.14' RT	757.75	481193.87	739190.51
526	13+20.33	39.70' RT	757.40	481200.31	739190.50
527	13+13.12	39.56' RT	757.81	481200.50	739183.30
528	13+09.15	36.65' RT	757.97	481203.44	739179.35
529	13+13.11	40.06' RT	758.06	481200.00	739183.28
530	13+19.83	40.19' RT	757.91	481199.82	739190.00
531	13+19.92	50.54' RT	757.99	481189.47	739190.01
532	13+19.72	52.55' RT	0.00	481187.47	739189.79
533	13+17.72	52.54' RT	0.00	481187.49	739187.80
534	13+17.76	40.19' RT	0.00	481199.84	739187.94
535	13+07.11	40.19' RT	0.00	481199.92	739177.28
536	13+07.23	30.88' RT	0.00	481209.23	739177.47

NOTES:

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Madison Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
550	13+74.42	39.76' RT	757.35	481199.84	739244.60
551	13+76.85	34.84' RT	757.39	481204.74	739247.07
552	13+79.26	31.56' RT	757.42	481208.00	739249.49
553	13+80.23	30.51' RT	757.43	481209.05	739250.47
554	13+83.06	27.91' RT	757.45	481211.63	739253.32
555	13+84.39	26.93' RT	757.45	481212.60	739254.66
556	13+89.17	24.24' RT	757.47	481215.25	739259.46
557	13+90.17	26.53' RT	757.92	481212.95	739260.44
558	13+89.15	27.00' RT	757.88	481212.49	739259.42
559	13+84.80	29.71' RT	757.40	481209.81	739255.05
560	13+81.20	33.18' RT	757.36	481206.37	739251.42
561	13+78.28	37.34' RT	757.77	481202.23	739248.48
562	13+76.88	40.68' RT	757.76	481198.90	739247.05
563	13+81.45	49.75' RT	758.07	481189.80	739251.55
564	13+81.46	46.69' RT	757.98	481192.86	739251.58
565	13+82.25	41.51' RT	757.82	481198.03	739252.41
566	13+84.57	36.69' RT	757.65	481202.83	739254.77
567	13+87.95	32.99' RT	757.67	481206.51	739258.17
568	13+92.32	30.33' RT	757.73	481209.14	739262.56
569	13+99.39	28.89' RT	757.81	481210.52	739269.65
570	14+02.02	28.90' RT	757.84	481210.49	739272.28

Madison Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
571	14+07.02	28.95' RT	757.89	481210.41	739277.28
572	14+12.06	29.01' RT	757.94	481210.30	739282.31
573	14+14.06	29.04' RT	757.96	481210.26	739284.31
574	14+14.08	32.75' RT	758.04	481206.55	739284.30
575	14+12.01	32.76' RT	758.01	481206.56	739282.24
576	14+07.05	32.78' RT	757.95	481206.57	739277.28
577	14+02.01	32.82' RT	757.89	481206.57	739272.24
578	13+99.93	32.97' RT	757.86	481206.44	739270.15
579	13+94.48	34.64' RT	757.78	481204.81	739264.69
580	13+91.40	36.62' RT	757.73	481202.85	739261.60
581	13+88.01	40.31' RT	757.72	481199.19	739258.18
582	13+86.40	43.26' RT	757.86	481196.25	739256.55
583	13+85.26	47.28' RT	758.03	481192.24	739255.37
584	13+85.05	49.76' RT	758.14	481189.76	739255.15
585	13+85.87	51.76' RT	0.00	481187.75	739255.96
586	13+91.88	51.80' RT	0.00	481187.67	739261.97
587	13+91.94	40.42' RT	0.00	481199.05	739262.11
588	13+98.49	36.09' RT	0.00	481203.32	739268.69
589	14+16.09	36.17' RT	0.00	481203.12	739286.29
590	14+16.07	31.01' RT	0.00	481208.27	739286.31

NOTES:

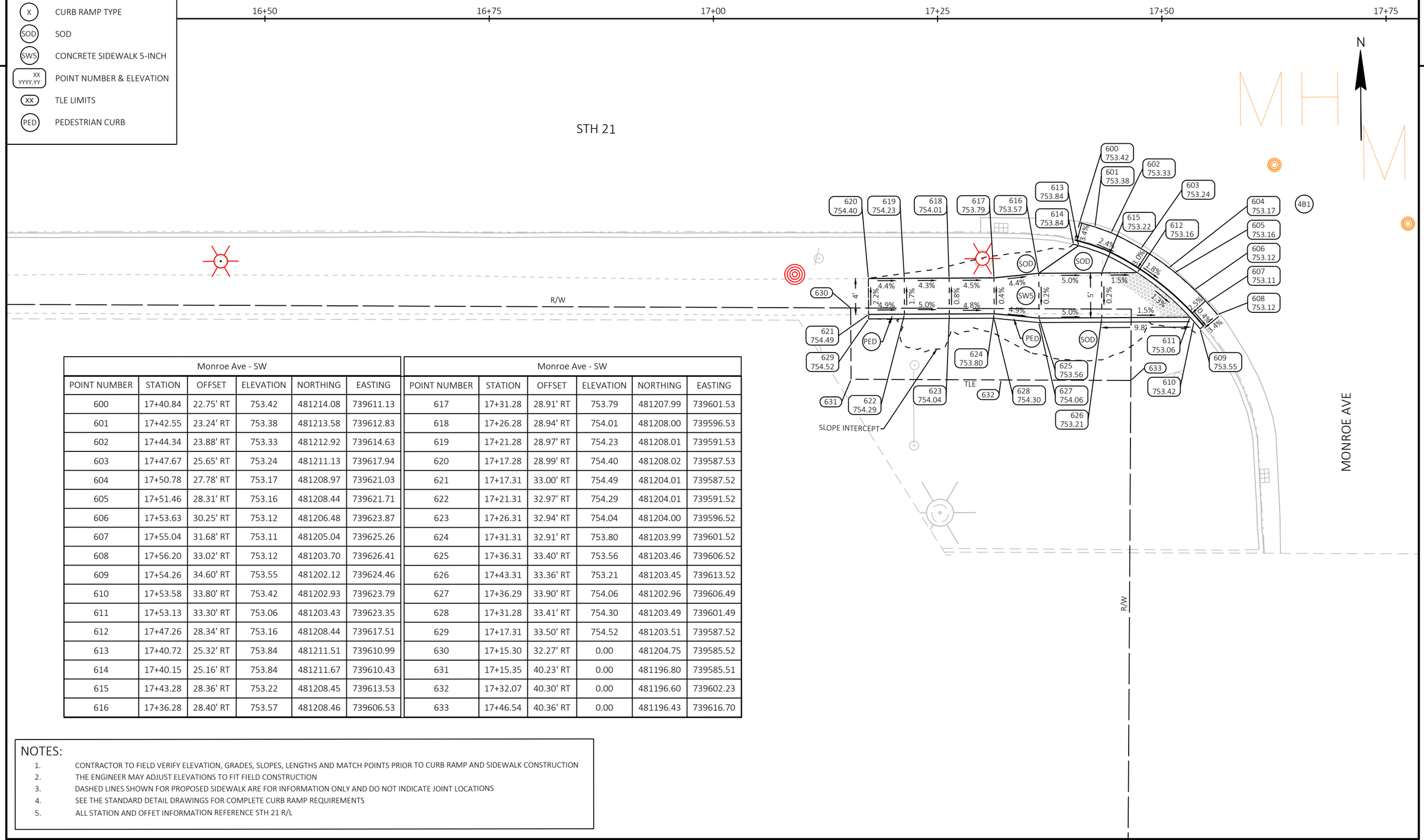
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
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5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MADISON AVE SE	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 11-Madison-SE
PLOT DATE : 9/1/2023 11:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT
PRE_25
WISDOT/CADDS SHEET 42

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Monroe Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	17+40.84	22.75' RT	753.42	481214.08	739611.13
601	17+42.55	23.24' RT	753.38	481213.58	739612.83
602	17+44.34	23.88' RT	753.33	481212.92	739614.63
603	17+47.67	25.65' RT	753.24	481211.13	739617.94
604	17+50.78	27.78' RT	753.17	481208.97	739621.03
605	17+51.46	28.31' RT	753.16	481208.44	739621.71
606	17+53.63	30.25' RT	753.12	481206.48	739623.87
607	17+55.04	31.68' RT	753.11	481205.04	739625.26
608	17+56.20	33.02' RT	753.12	481203.70	739626.41
609	17+54.26	34.60' RT	753.55	481202.12	739624.46
610	17+53.58	33.80' RT	753.42	481202.93	739623.79
611	17+53.13	33.30' RT	753.06	481203.43	739623.35
612	17+47.26	28.34' RT	753.16	481208.44	739617.51
613	17+40.72	25.32' RT	753.84	481211.51	739610.99
614	17+40.15	25.16' RT	753.84	481211.67	739610.43
615	17+43.28	28.36' RT	753.22	481208.45	739613.53
616	17+36.28	28.40' RT	753.57	481208.46	739606.53

Monroe Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
617	17+31.28	28.91' RT	753.79	481207.99	739601.53
618	17+26.28	28.94' RT	754.01	481208.00	739596.53
619	17+21.28	28.97' RT	754.23	481208.01	739591.53
620	17+17.28	28.99' RT	754.40	481208.02	739587.53
621	17+17.31	33.00' RT	754.49	481204.01	739587.52
622	17+21.31	32.97' RT	754.29	481204.01	739591.52
623	17+26.31	32.94' RT	754.04	481204.00	739596.52
624	17+31.31	32.91' RT	753.80	481203.99	739601.52
625	17+36.31	33.40' RT	753.56	481203.46	739606.52
626	17+43.31	33.36' RT	753.21	481203.45	739613.52
627	17+36.29	33.90' RT	754.06	481202.96	739606.49
628	17+31.28	33.41' RT	754.30	481203.49	739601.49
629	17+17.31	33.50' RT	754.52	481203.51	739587.52
630	17+15.30	32.27' RT	0.00	481204.75	739585.52
631	17+15.35	40.23' RT	0.00	481196.80	739585.51
632	17+32.07	40.30' RT	0.00	481196.60	739602.23
633	17+46.54	40.36' RT	0.00	481196.43	739616.70

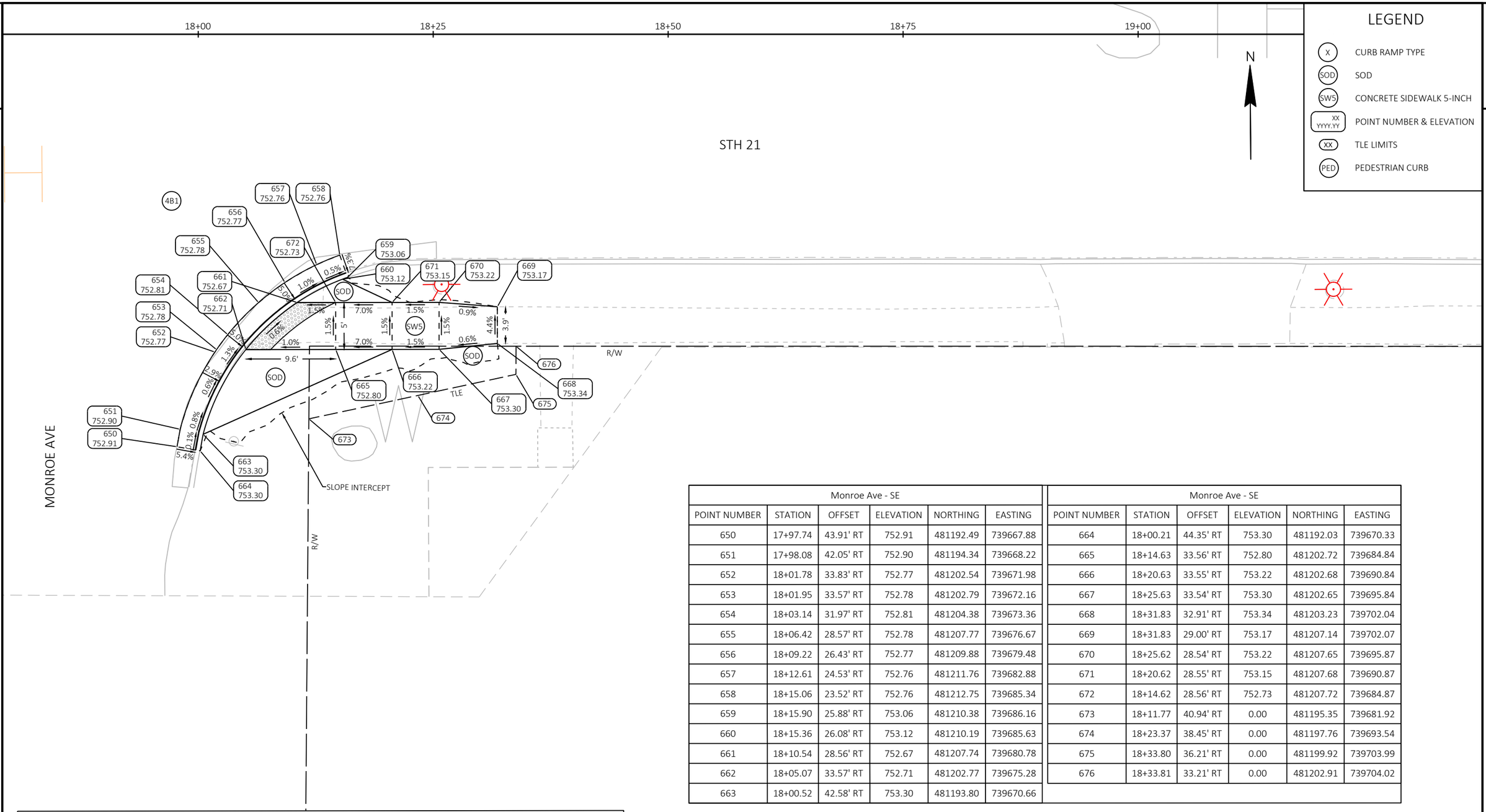
NOTES:

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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MONROE AVE SW	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 12-Monroe-SW
PLOT DATE : 9/1/2023 11:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_26



LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

Monroe Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
650	17+97.74	43.91' RT	752.91	481192.49	739667.88
651	17+98.08	42.05' RT	752.90	481194.34	739668.22
652	18+01.78	33.83' RT	752.77	481202.54	739671.98
653	18+01.95	33.57' RT	752.78	481202.79	739672.16
654	18+03.14	31.97' RT	752.81	481204.38	739673.36
655	18+06.42	28.57' RT	752.78	481207.77	739676.67
656	18+09.22	26.43' RT	752.77	481209.88	739679.48
657	18+12.61	24.53' RT	752.76	481211.76	739682.88
658	18+15.06	23.52' RT	752.76	481212.75	739685.34
659	18+15.90	25.88' RT	753.06	481210.38	739686.16
660	18+15.36	26.08' RT	753.12	481210.19	739685.63
661	18+10.54	28.56' RT	752.67	481207.74	739680.78
662	18+05.07	33.57' RT	752.71	481202.77	739675.28
663	18+00.52	42.58' RT	753.30	481193.80	739670.66

Monroe Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
664	18+00.21	44.35' RT	753.30	481192.03	739670.33
665	18+14.63	33.56' RT	752.80	481202.72	739684.84
666	18+20.63	33.55' RT	753.22	481202.68	739690.84
667	18+25.63	33.54' RT	753.30	481202.65	739695.84
668	18+31.83	32.91' RT	753.34	481203.23	739702.04
669	18+31.83	29.00' RT	753.17	481207.14	739702.07
670	18+25.62	28.54' RT	753.22	481207.65	739695.87
671	18+20.62	28.55' RT	753.15	481207.68	739690.87
672	18+14.62	28.56' RT	752.73	481207.72	739684.87
673	18+11.77	40.94' RT	0.00	481195.35	739681.92
674	18+23.37	38.45' RT	0.00	481197.76	739693.54
675	18+33.80	36.21' RT	0.00	481199.92	739703.99
676	18+33.81	33.21' RT	0.00	481202.91	739704.02

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MONROE AVE SE	SHEET E

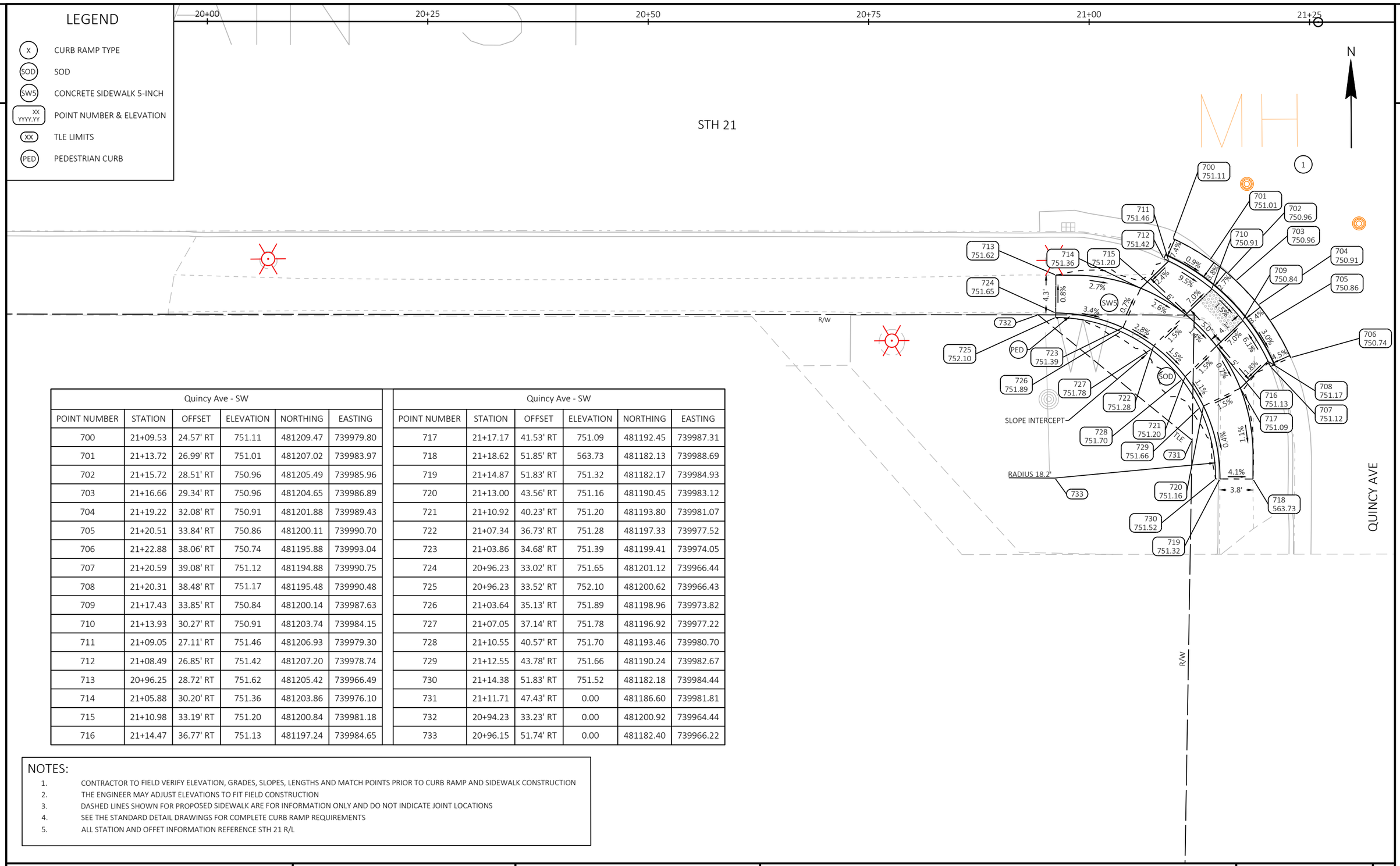
FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 13-Monroe-SE

PLOT DATE : 9/1/2023 11:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_27

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Quincy Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	21+09.53	24.57' RT	751.11	481209.47	739979.80
701	21+13.72	26.99' RT	751.01	481207.02	739983.97
702	21+15.72	28.51' RT	750.96	481205.49	739985.96
703	21+16.66	29.34' RT	750.96	481204.65	739986.89
704	21+19.22	32.08' RT	750.91	481201.88	739989.43
705	21+20.51	33.84' RT	750.86	481200.11	739990.70
706	21+22.88	38.06' RT	750.74	481195.88	739993.04
707	21+20.59	39.08' RT	751.12	481194.88	739990.75
708	21+20.31	38.48' RT	751.17	481195.48	739990.48
709	21+17.43	33.85' RT	750.84	481200.14	739987.63
710	21+13.93	30.27' RT	750.91	481203.74	739984.15
711	21+09.05	27.11' RT	751.46	481206.93	739979.30
712	21+08.49	26.85' RT	751.42	481207.20	739978.74
713	20+96.25	28.72' RT	751.62	481205.42	739966.49
714	21+05.88	30.20' RT	751.36	481203.86	739976.10
715	21+10.98	33.19' RT	751.20	481200.84	739981.18
716	21+14.47	36.77' RT	751.13	481197.24	739984.65

Quincy Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
717	21+17.17	41.53' RT	751.09	481192.45	739987.31
718	21+18.62	51.85' RT	563.73	481182.13	739988.69
719	21+14.87	51.83' RT	751.32	481182.17	739984.93
720	21+13.00	43.56' RT	751.16	481190.45	739983.12
721	21+10.92	40.23' RT	751.20	481193.80	739981.07
722	21+07.34	36.73' RT	751.28	481197.33	739977.52
723	21+03.86	34.68' RT	751.39	481199.41	739974.05
724	20+96.23	33.02' RT	751.65	481201.12	739966.44
725	20+96.23	33.52' RT	752.10	481200.62	739966.43
726	21+03.64	35.13' RT	751.89	481198.96	739973.82
727	21+07.05	37.14' RT	751.78	481196.92	739977.22
728	21+10.55	40.57' RT	751.70	481193.46	739980.70
729	21+12.55	43.78' RT	751.66	481190.24	739982.67
730	21+14.38	51.83' RT	751.52	481182.18	739984.44
731	21+11.71	47.43' RT	0.00	481186.60	739981.81
732	20+94.23	33.23' RT	0.00	481200.92	739964.44
733	20+96.15	51.74' RT	0.00	481182.40	739966.22

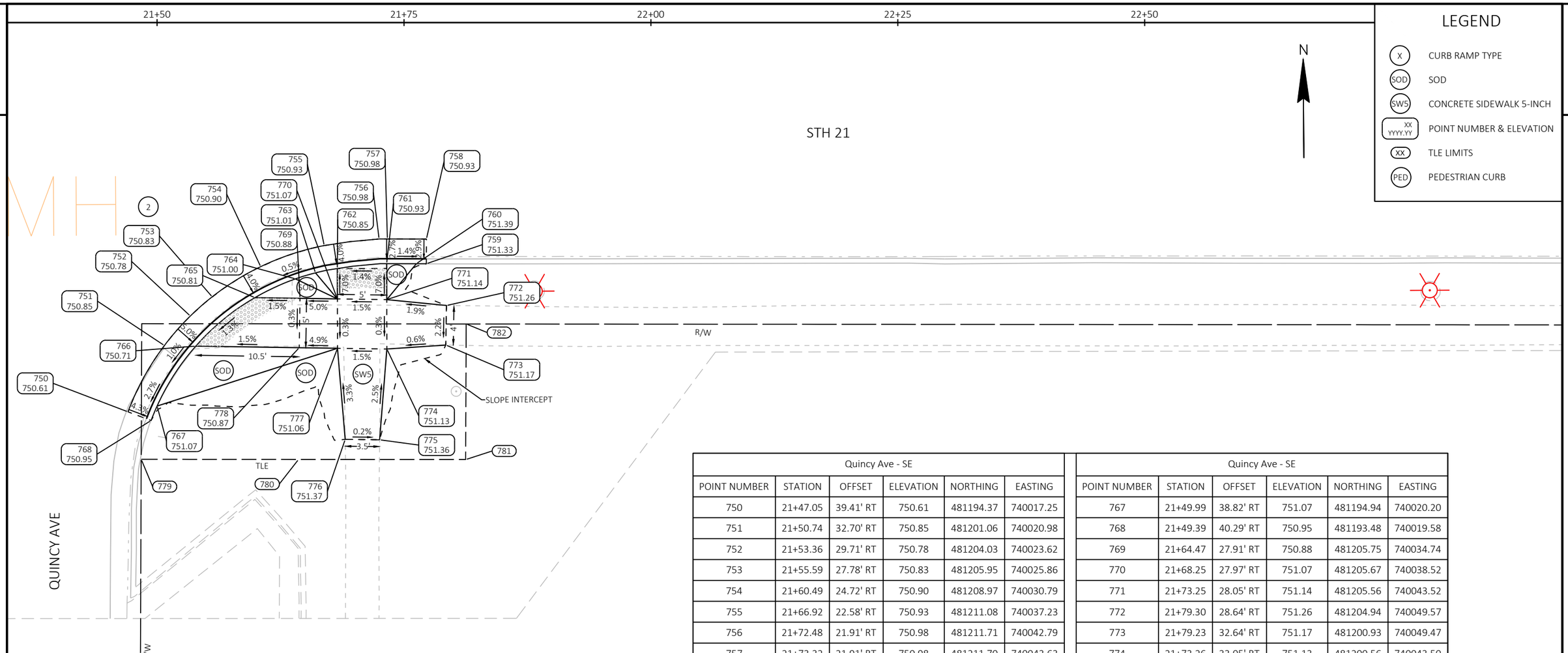
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - QUINCY AVE SW	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 14-Quincy-SW
PLOT DATE : 9/1/2023 11:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_28



LEGEND

X	CURB RAMP TYPE
SOD	SOD
SW5	CONCRETE SIDEWALK 5-INCH
XX YYYY.YY	POINT NUMBER & ELEVATION
XX	TLE LIMITS
PED	PEDESTRIAN CURB

Quincy Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
750	21+47.05	39.41' RT	750.61	481194.37	740017.25
751	21+50.74	32.70' RT	750.85	481201.06	740020.98
752	21+53.36	29.71' RT	750.78	481204.03	740023.62
753	21+55.59	27.78' RT	750.83	481205.95	740025.86
754	21+60.49	24.72' RT	750.90	481208.97	740030.79
755	21+66.92	22.58' RT	750.93	481211.08	740037.23
756	21+72.48	21.91' RT	750.98	481211.71	740042.79
757	21+73.32	21.91' RT	750.98	481211.70	740043.63
758	21+77.27	21.92' RT	750.93	481211.67	740047.58
759	21+77.26	24.42' RT	751.33	481209.17	740047.56
760	21+76.24	24.41' RT	751.39	481209.18	740046.54
761	21+73.24	24.41' RT	750.93	481209.21	740043.54
762	21+68.24	24.91' RT	750.85	481208.74	740038.54
763	21+66.03	25.34' RT	751.01	481208.32	740036.32
764	21+64.01	25.95' RT	751.00	481207.72	740034.30
765	21+59.91	27.85' RT	750.81	481205.85	740030.18
766	21+53.92	32.75' RT	750.71	481200.98	740024.16

Quincy Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
767	21+49.99	38.82' RT	751.07	481194.94	740020.20
768	21+49.39	40.29' RT	750.95	481193.48	740019.58
769	21+64.47	27.91' RT	750.88	481205.75	740034.74
770	21+68.25	27.97' RT	751.07	481205.67	740038.52
771	21+73.25	28.05' RT	751.14	481205.56	740043.52
772	21+79.30	28.64' RT	751.26	481204.94	740049.57
773	21+79.23	32.64' RT	751.17	481200.93	740049.47
774	21+73.26	33.05' RT	751.13	481200.56	740043.50
775	21+72.53	42.24' RT	751.36	481191.38	740042.71
776	21+69.04	42.20' RT	751.37	481191.44	740039.23
777	21+68.26	32.97' RT	751.06	481200.67	740038.50
778	21+64.39	32.91' RT	750.87	481200.76	740034.63
779	21+48.39	44.21' RT	0.00	481189.56	740018.56
780	21+64.32	44.23' RT	0.00	481189.44	740034.49
781	21+81.24	44.24' RT	0.00	481189.32	740051.41
782	21+81.29	30.51' RT	0.00	481203.05	740051.55

NOTES:

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5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - QUINCY AVE SE	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 15-Quincy-SE
PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_29

WISDOT/CADDS SHEET 42

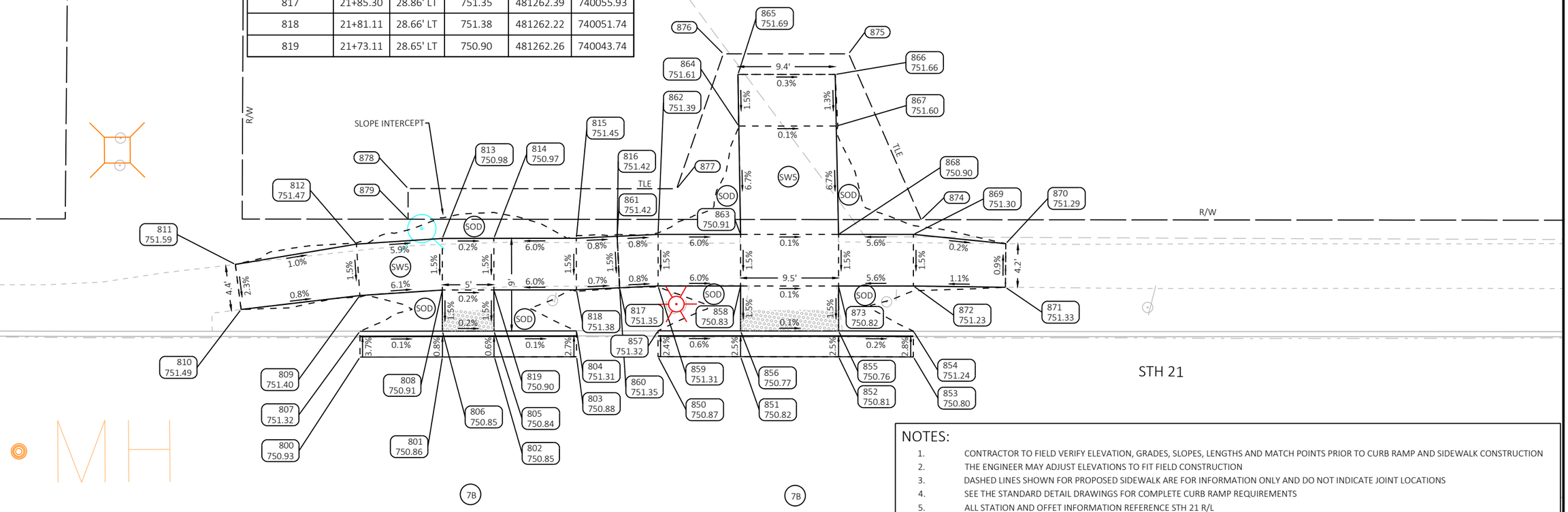
LEGEND

- (X) CURB RAMP TYPE
- (SOD) SOD
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

Quincy Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	21+60.12	22.14' LT	750.93	481255.83	740030.72
801	21+68.12	22.15' LT	750.86	481255.80	740038.71
802	21+73.16	22.16' LT	750.85	481255.77	740043.75
803	21+81.12	22.17' LT	750.88	481255.74	740051.71
804	21+81.12	24.67' LT	751.31	481258.24	740051.73
805	21+73.11	24.66' LT	750.84	481258.27	740043.73
806	21+68.11	24.65' LT	750.85	481258.30	740038.73
807	21+60.12	24.64' LT	751.32	481258.33	740030.73
808	21+68.11	28.64' LT	750.91	481262.28	740038.74
809	21+60.11	28.11' LT	751.40	481261.80	740030.74
810	21+48.59	26.75' LT	751.49	481260.52	740019.22
811	21+48.04	31.12' LT	751.59	481264.90	740018.69
812	21+59.78	33.09' LT	751.47	481266.79	740030.44
813	21+68.10	33.64' LT	750.98	481267.28	740038.77
814	21+73.10	33.65' LT	750.97	481267.26	740043.77
815	21+81.10	33.66' LT	751.45	481267.22	740051.77
816	21+85.06	33.85' LT	751.42	481267.38	740055.73
817	21+85.30	28.86' LT	751.35	481262.39	740055.93
818	21+81.11	28.66' LT	751.38	481262.22	740051.74
819	21+73.11	28.65' LT	750.90	481262.26	740043.74

Veterans Memorial					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
850	21+89.02	22.18' LT	750.87	481255.69	740059.62
851	21+97.02	22.18' LT	750.82	481255.64	740067.62
852	22+06.52	22.18' LT	750.81	481255.58	740077.12
853	22+13.78	22.16' LT	750.80	481255.51	740084.37
854	22+13.79	24.66' LT	751.24	481258.01	740084.40
855	22+06.52	24.68' LT	750.76	481258.08	740077.13
856	21+97.02	24.68' LT	750.77	481258.14	740067.63
857	21+89.02	24.68' LT	751.32	481258.19	740059.63
858	21+97.02	29.03' LT	750.83	481262.49	740067.66
859	21+89.02	29.03' LT	751.31	481262.54	740059.66
860	21+85.30	28.86' LT	751.35	481262.39	740055.93
861	21+85.06	33.85' LT	751.42	481267.38	740055.73
862	21+89.02	34.03' LT	751.39	481267.54	740059.70
863	21+97.03	34.03' LT	750.91	481267.49	740067.70
864	21+96.85	44.53' LT	751.61	481277.99	740067.59

Veterans Memorial					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
865	21+96.77	49.53' LT	751.69	481282.99	740067.54
866	22+06.20	49.53' LT	751.66	481282.93	740076.97
867	22+06.30	44.53' LT	751.60	481277.93	740077.04
868	22+06.53	34.03' LT	750.90	481267.43	740077.20
869	22+13.79	34.03' LT	751.30	481267.38	740084.46
870	22+22.74	33.13' LT	751.29	481266.43	740093.41
871	22+22.71	28.91' LT	751.33	481262.21	740093.34
872	22+13.79	29.03' LT	751.23	481262.38	740084.43
873	22+06.52	29.03' LT	750.82	481262.43	740077.16
874	22+14.55	35.46' LT	0.00	481268.81	740085.22
875	22+07.51	51.53' LT	0.00	481284.92	740078.29
876	21+95.35	51.53' LT	0.00	481285.00	740066.13
877	21+90.82	38.45' LT	0.00	481271.95	740061.52
878	21+64.79	38.48' LT	0.00	481272.14	740035.49
879	21+64.79	35.50' LT	0.00	481269.17	740035.47



NOTES:

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5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

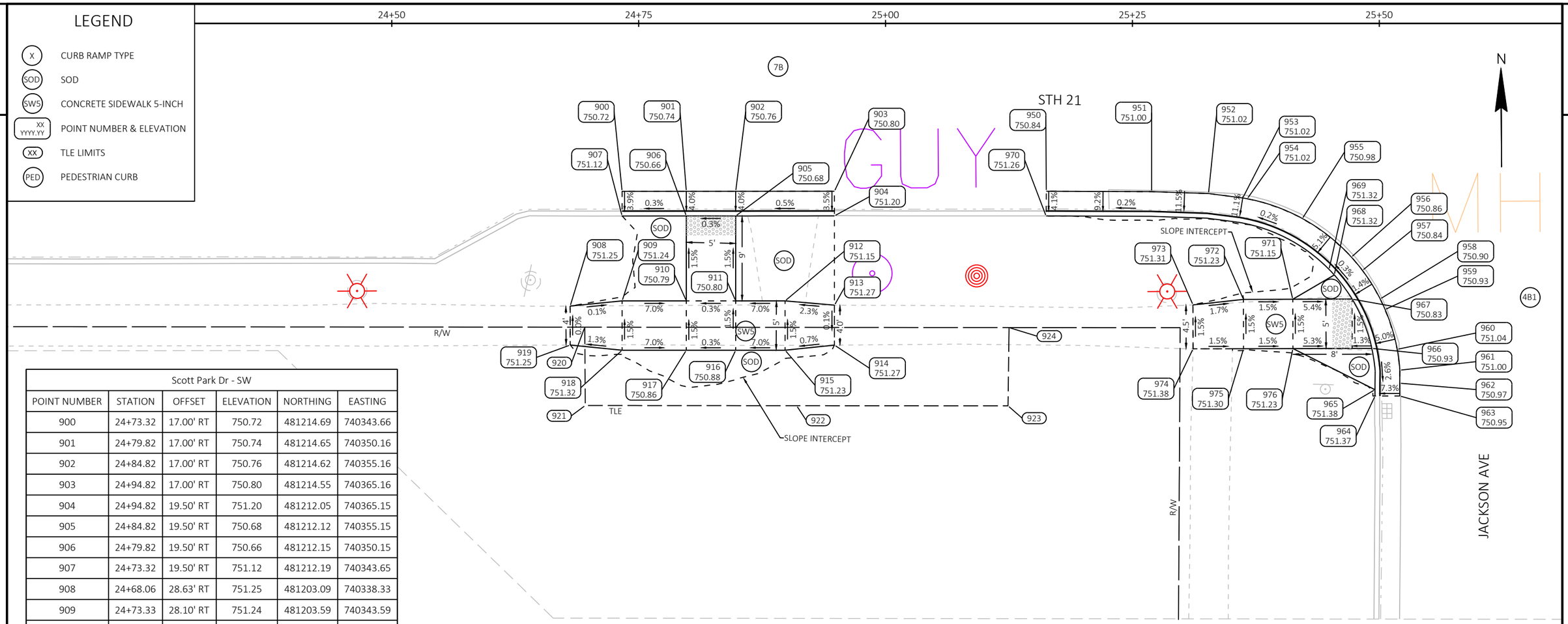
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - QUINCY AVE NE - VETERANS MEMORIAL	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 16-Quincy-NE-VetMemorial
PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_30

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Scott Park Dr - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
900	24+73.32	17.00' RT	750.72	481214.69	740343.66
901	24+79.82	17.00' RT	750.74	481214.65	740350.16
902	24+84.82	17.00' RT	750.76	481214.62	740355.16
903	24+94.82	17.00' RT	750.80	481214.55	740365.16
904	24+94.82	19.50' RT	751.20	481212.05	740365.15
905	24+84.82	19.50' RT	750.68	481212.12	740355.15
906	24+79.82	19.50' RT	750.66	481212.15	740350.15
907	24+73.32	19.50' RT	751.12	481212.19	740343.65
908	24+68.06	28.63' RT	751.25	481203.09	740338.33
909	24+73.33	28.10' RT	751.24	481203.59	740343.59
910	24+79.83	28.10' RT	750.79	481203.55	740350.09
911	24+84.83	28.10' RT	750.80	481203.52	740355.09
912	24+89.83	28.10' RT	751.15	481203.49	740360.09
913	24+94.83	28.54' RT	751.27	481203.01	740365.09
914	24+94.83	32.58' RT	751.27	481198.97	740365.07
915	24+89.83	33.10' RT	751.23	481198.49	740360.06
916	24+84.83	33.10' RT	750.88	481198.52	740355.06
917	24+79.83	33.10' RT	750.86	481198.55	740350.06
918	24+73.33	33.10' RT	751.32	481198.59	740343.56
919	24+68.06	32.58' RT	751.25	481199.15	740338.30
920	24+69.54	30.77' RT	751.25	481200.95	740339.79
921	24+69.59	38.70' RT	0.00	481193.01	740339.79
922	24+91.00	38.72' RT	0.00	481192.86	740361.19
923	25+12.40	38.74' RT	0.00	481192.70	740382.60
924	25+12.51	30.81' RT	0.00	481200.63	740382.75

Jackson Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
950	25+16.27	17.00' RT	750.84	481214.42	740386.61
951	25+26.94	17.04' RT	751.00	481214.31	740397.28
952	25+32.70	17.23' RT	751.02	481214.08	740403.04
953	25+36.17	17.68' RT	751.02	481213.61	740406.50
954	25+36.63	17.76' RT	751.02	481213.53	740406.96
955	25+42.20	19.77' RT	750.98	481211.48	740412.52
956	25+47.17	23.67' RT	750.86	481207.55	740417.47
957	25+48.29	25.02' RT	750.84	481206.19	740418.57
958	25+50.08	27.91' RT	750.90	481203.29	740420.35

Jackson Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
959	25+50.56	28.99' RT	750.93	481202.21	740420.82
960	25+51.81	33.01' RT	751.04	481198.18	740422.04
961	25+52.08	35.13' RT	751.00	481196.06	740422.30
962	25+52.06	36.45' RT	750.97	481194.74	740422.28
963	25+52.07	37.74' RT	750.95	481193.45	740422.27
964	25+49.57	37.74' RT	751.37	481193.46	740419.77
965	25+49.57	37.10' RT	751.38	481194.10	740419.77
966	25+49.24	32.92' RT	750.93	481198.29	740419.47
967	25+47.24	27.92' RT	750.83	481203.30	740417.50

Jackson Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
968	25+45.44	25.48' RT	751.32	481205.75	740415.72
969	25+44.91	24.91' RT	751.32	481206.32	740415.19
970	25+16.26	19.52' RT	751.26	481211.90	740386.58
971	25+41.24	27.94' RT	751.15	481203.32	740411.50
972	25+36.24	27.95' RT	751.23	481203.33	740406.50
973	25+31.13	28.51' RT	751.31	481202.81	740401.39
974	25+31.14	32.96' RT	751.38	481198.36	740401.37
975	25+36.25	32.95' RT	751.30	481198.33	740406.49
976	25+41.25	32.94' RT	751.23	481198.32	740411.49

NOTES:

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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - SCOTT PARK DR/JACKSON AVE SW	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 17-ScottParkDr-Jackson-SW

PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_31

NOTES:

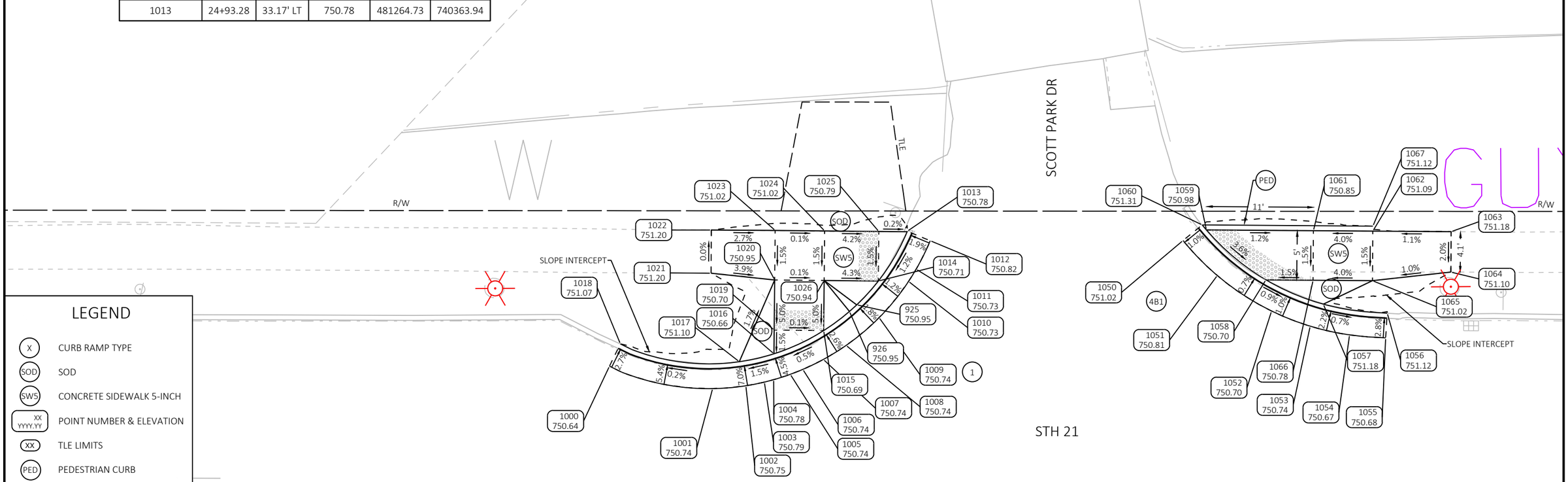
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

Scott Park Dr - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
925	24+88.16	25.74' LT	750.95	481257.34	740358.77
926	24+87.43	25.08' LT	750.95	481256.68	740358.04
1000	24+63.19	19.56' LT	750.64	481251.32	740333.76
1001	24+73.61	17.30' LT	750.74	481248.99	740344.17
1002	24+76.97	17.59' LT	750.75	481249.25	740347.53
1003	24+78.83	17.95' LT	750.79	481249.61	740349.40
1004	24+79.78	18.20' LT	750.78	481249.85	740350.34
1005	24+81.46	18.73' LT	750.74	481250.37	740352.02
1006	24+82.72	19.23' LT	750.74	481250.86	740353.29
1007	24+84.79	20.24' LT	750.74	481251.85	740355.37
1008	24+87.09	21.66' LT	750.74	481253.26	740357.68
1009	24+90.42	24.47' LT	750.74	481256.05	740361.02
1010	24+93.40	28.11' LT	750.73	481259.68	740364.02
1011	24+94.16	29.34' LT	750.73	481260.90	740364.80
1012	24+95.59	32.21' LT	750.82	481263.76	740366.24
1013	24+93.28	33.17' LT	750.78	481264.73	740363.94

Scott Park Dr - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1014	24+90.34	28.15' LT	750.71	481259.73	740360.97
1015	24+84.82	23.15' LT	750.69	481254.77	740355.42
1016	24+79.80	20.81' LT	750.66	481252.46	740350.38
1017	24+76.31	20.01' LT	751.10	481251.68	740346.88
1018	24+64.29	21.81' LT	751.07	481253.55	740334.88
1019	24+79.82	23.20' LT	750.70	481254.85	740350.42
1020	24+79.88	28.25' LT	750.95	481259.90	740350.50
1021	24+73.45	28.94' LT	751.20	481260.63	740344.08
1022	24+73.48	33.30' LT	751.20	481264.98	740344.14
1023	24+79.93	33.25' LT	751.02	481264.90	740350.59
1024	24+84.93	33.20' LT	751.02	481264.82	740355.59
1025	24+90.40	33.15' LT	750.79	481264.73	740361.05
1026	24+84.88	28.20' LT	750.94	481259.82	740355.50

Scott Park Dr - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1050	25+21.12	32.24' LT	751.02	481263.62	740391.77
1051	25+24.59	28.71' LT	750.81	481260.07	740395.22
1052	25+30.07	25.12' LT	750.70	481256.44	740400.67
1053	25+33.97	23.59' LT	750.74	481254.89	740404.56
1054	25+37.95	22.71' LT	750.67	481253.99	740408.54
1055	25+41.59	22.41' LT	750.68	481253.66	740412.18
1056	25+41.75	24.90' LT	751.12	481256.15	740412.35
1057	25+35.29	25.81' LT	751.18	481257.10	740405.90
1058	25+29.49	28.26' LT	750.70	481259.59	740400.12
1059	25+23.48	33.30' LT	750.98	481264.67	740394.14
1060	25+23.06	33.81' LT	751.31	481265.18	740393.73
1061	25+34.29	33.23' LT	750.85	481264.53	740404.95
1062	25+40.29	33.19' LT	751.09	481264.45	740410.95
1063	25+48.20	33.13' LT	751.18	481264.34	740418.86
1064	25+48.18	29.05' LT	751.10	481260.26	740418.81
1065	25+40.26	28.19' LT	751.02	481259.45	740410.89
1066	25+34.26	28.23' LT	750.78	481259.53	740404.89
1067	25+40.30	33.69' LT	751.12	481264.95	740410.96

N



LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

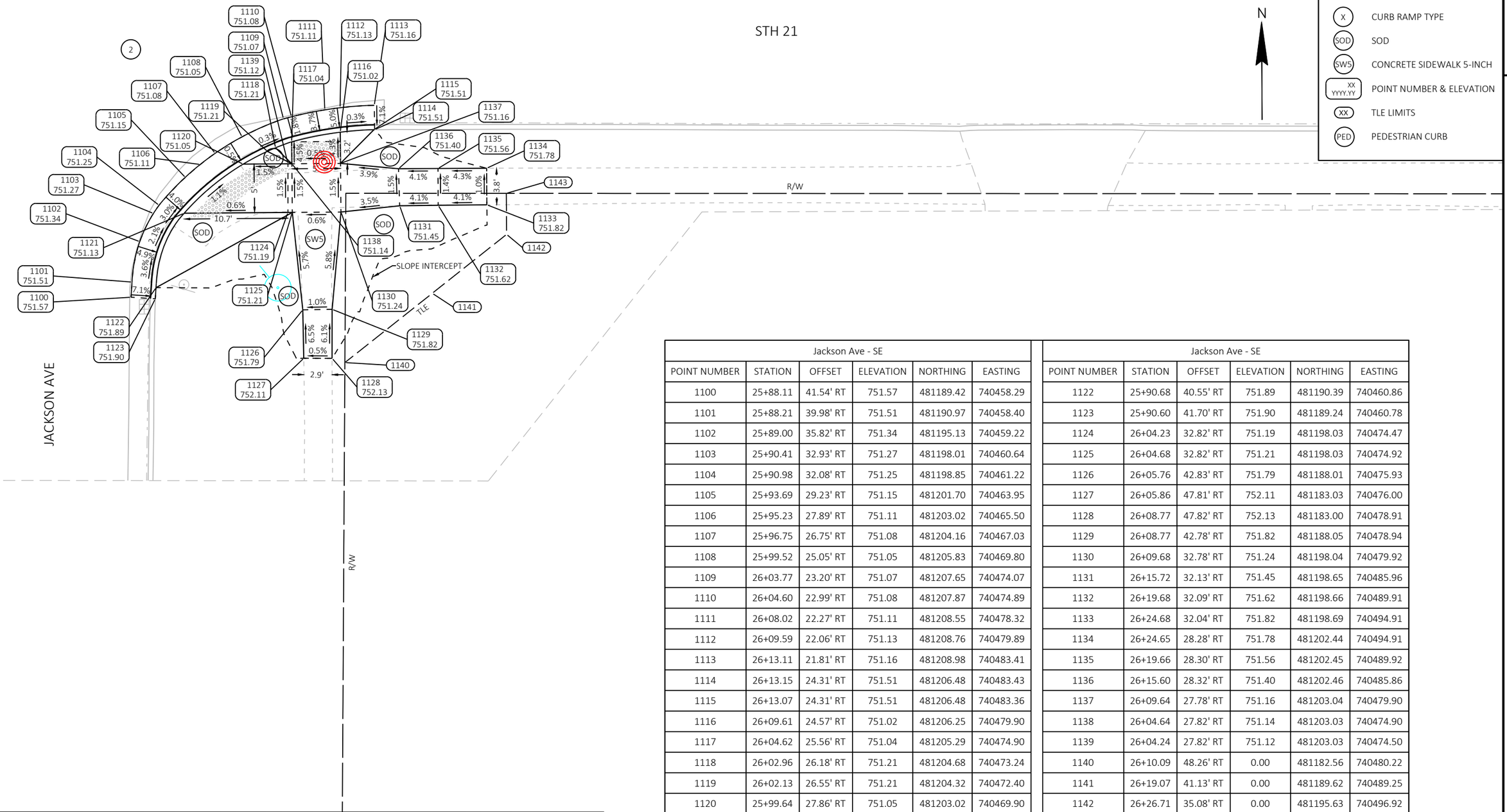
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - SCOTT PARK DR NW/NE	SHEET E

PRE_32

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 18-ScottParkDr-NW-NE

PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



Jackson Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1100	25+88.11	41.54' RT	751.57	481189.42	740458.29
1101	25+88.21	39.98' RT	751.51	481190.97	740458.40
1102	25+89.00	35.82' RT	751.34	481195.13	740459.22
1103	25+90.41	32.93' RT	751.27	481198.01	740460.64
1104	25+90.98	32.08' RT	751.25	481198.85	740461.22
1105	25+93.69	29.23' RT	751.15	481201.70	740463.95
1106	25+95.23	27.89' RT	751.11	481203.02	740465.50
1107	25+96.75	26.75' RT	751.08	481204.16	740467.03
1108	25+99.52	25.05' RT	751.05	481205.83	740469.80
1109	26+03.77	23.20' RT	751.07	481207.65	740474.07
1110	26+04.60	22.99' RT	751.08	481207.87	740474.89
1111	26+08.02	22.27' RT	751.11	481208.55	740478.32
1112	26+09.59	22.06' RT	751.13	481208.76	740479.89
1113	26+13.11	21.81' RT	751.16	481208.98	740483.41
1114	26+13.15	24.31' RT	751.51	481206.48	740483.43
1115	26+13.07	24.31' RT	751.51	481206.48	740483.36
1116	26+09.61	24.57' RT	751.02	481206.25	740479.90
1117	26+04.62	25.56' RT	751.04	481205.29	740474.90
1118	26+02.96	26.18' RT	751.21	481204.68	740473.24
1119	26+02.13	26.55' RT	751.21	481204.32	740472.40
1120	25+99.64	27.86' RT	751.05	481203.02	740469.90
1121	25+93.57	32.90' RT	751.13	481198.02	740463.80

Jackson Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1122	25+90.68	40.55' RT	751.89	481190.39	740460.86
1123	25+90.60	41.70' RT	751.90	481189.24	740460.78
1124	26+04.23	32.82' RT	751.19	481198.03	740474.47
1125	26+04.68	32.82' RT	751.21	481198.03	740474.92
1126	26+05.76	42.83' RT	751.79	481188.01	740475.93
1127	26+05.86	47.81' RT	752.11	481183.03	740476.00
1128	26+08.77	47.82' RT	752.13	481183.00	740478.91
1129	26+08.77	42.78' RT	751.82	481188.05	740478.94
1130	26+09.68	32.78' RT	751.24	481198.04	740479.92
1131	26+15.72	32.13' RT	751.45	481198.65	740485.96
1132	26+19.68	32.09' RT	751.62	481198.66	740489.91
1133	26+24.68	32.04' RT	751.82	481198.69	740494.91
1134	26+24.65	28.28' RT	751.78	481202.44	740494.91
1135	26+19.66	28.30' RT	751.56	481202.45	740489.92
1136	26+15.60	28.32' RT	751.40	481202.46	740485.86
1137	26+09.64	27.78' RT	751.16	481203.04	740479.90
1138	26+04.64	27.82' RT	751.14	481203.03	740474.90
1139	26+04.24	27.82' RT	751.12	481203.03	740474.50
1140	26+10.09	48.26' RT	0.00	481182.56	740480.22
1141	26+19.07	41.13' RT	0.00	481189.62	740489.25
1142	26+26.71	35.08' RT	0.00	481195.63	740496.92
1143	26+26.68	30.86' RT	0.00	481199.85	740496.92

NOTES:

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5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - JACKSON AVE SE	SHEET E

PRE_33

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 19-Jackson-SE

PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

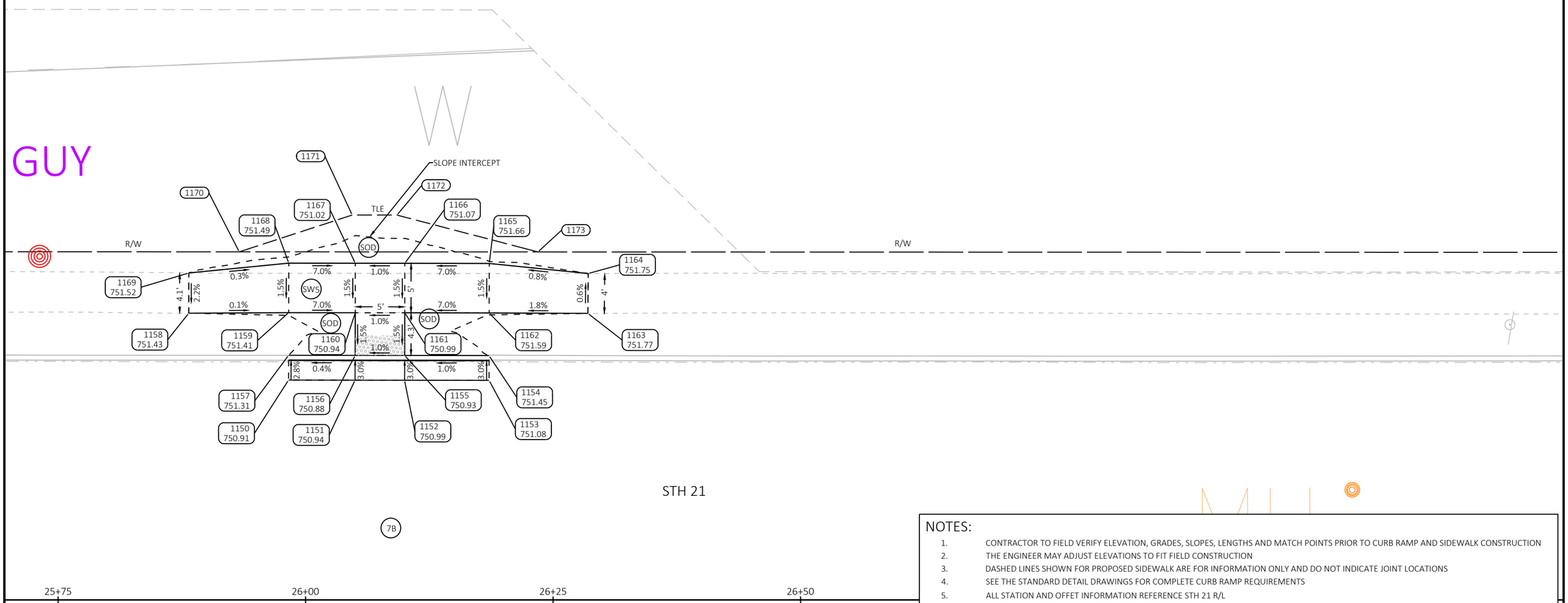
Jackson Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1150	25+98.28	22.20' LT	750.91	481253.09	740468.87
1151	26+04.99	22.19' LT	750.94	481253.04	740475.58
1152	26+09.99	22.19' LT	750.99	481253.00	740480.58
1153	26+18.53	22.17' LT	751.08	481252.93	740489.12
1154	26+18.53	24.67' LT	751.45	481255.43	740489.14
1155	26+10.01	24.69' LT	750.93	481255.50	740480.61
1156	26+05.01	24.69' LT	750.88	481255.54	740475.61
1157	25+98.28	24.70' LT	751.31	481255.59	740468.89
1158	25+88.20	28.96' LT	751.43	481259.91	740458.83
1159	25+98.29	29.01' LT	751.41	481259.90	740468.92
1160	26+05.01	29.00' LT	750.94	481259.85	740475.64
1161	26+10.01	28.99' LT	750.99	481259.81	740480.64

Jackson Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1162	26+18.54	28.98' LT	751.59	481259.74	740489.17
1163	26+28.51	28.94' LT	751.77	481259.63	740499.14
1164	26+28.55	32.96' LT	751.75	481263.66	740499.20
1165	26+18.55	33.98' LT	751.66	481264.74	740489.21
1166	26+10.02	33.99' LT	751.07	481264.81	740480.68
1167	26+05.02	34.00' LT	751.02	481264.85	740475.68
1168	25+98.30	34.01' LT	751.49	481264.90	740468.96
1169	25+88.20	33.02' LT	751.52	481263.97	740458.86
1170	25+93.30	35.15' LT	0.00	481266.08	740463.97
1171	26+04.71	38.87' LT	0.00	481269.72	740475.40
1172	26+09.23	38.87' LT	0.00	481269.69	740479.92
1173	26+23.47	35.14' LT	0.00	481265.87	740494.14

N

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



NOTES:

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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - JACKSON AVE NE	SHEET E

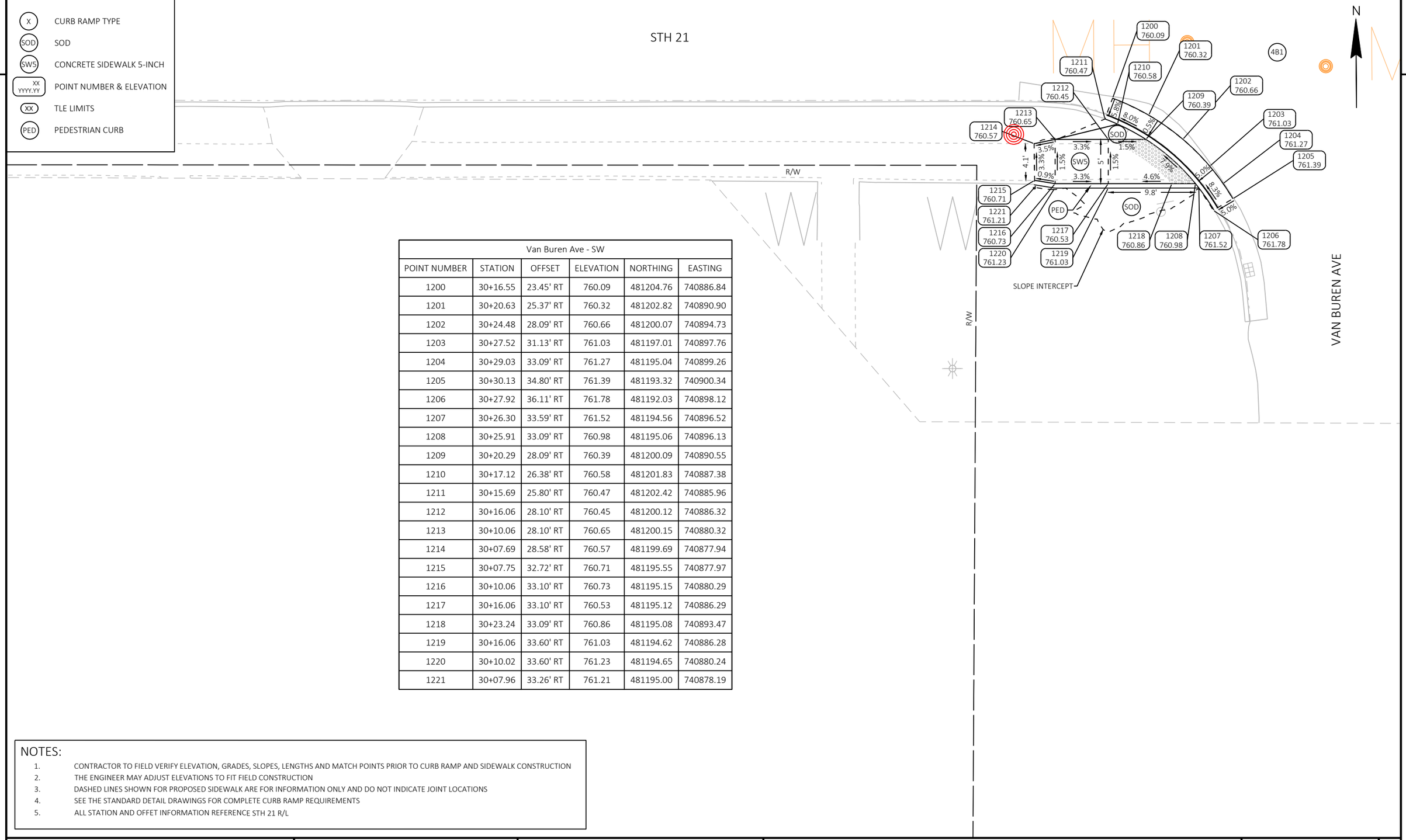
PRE_34

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 20-Jackson-NE

PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

LEGEND

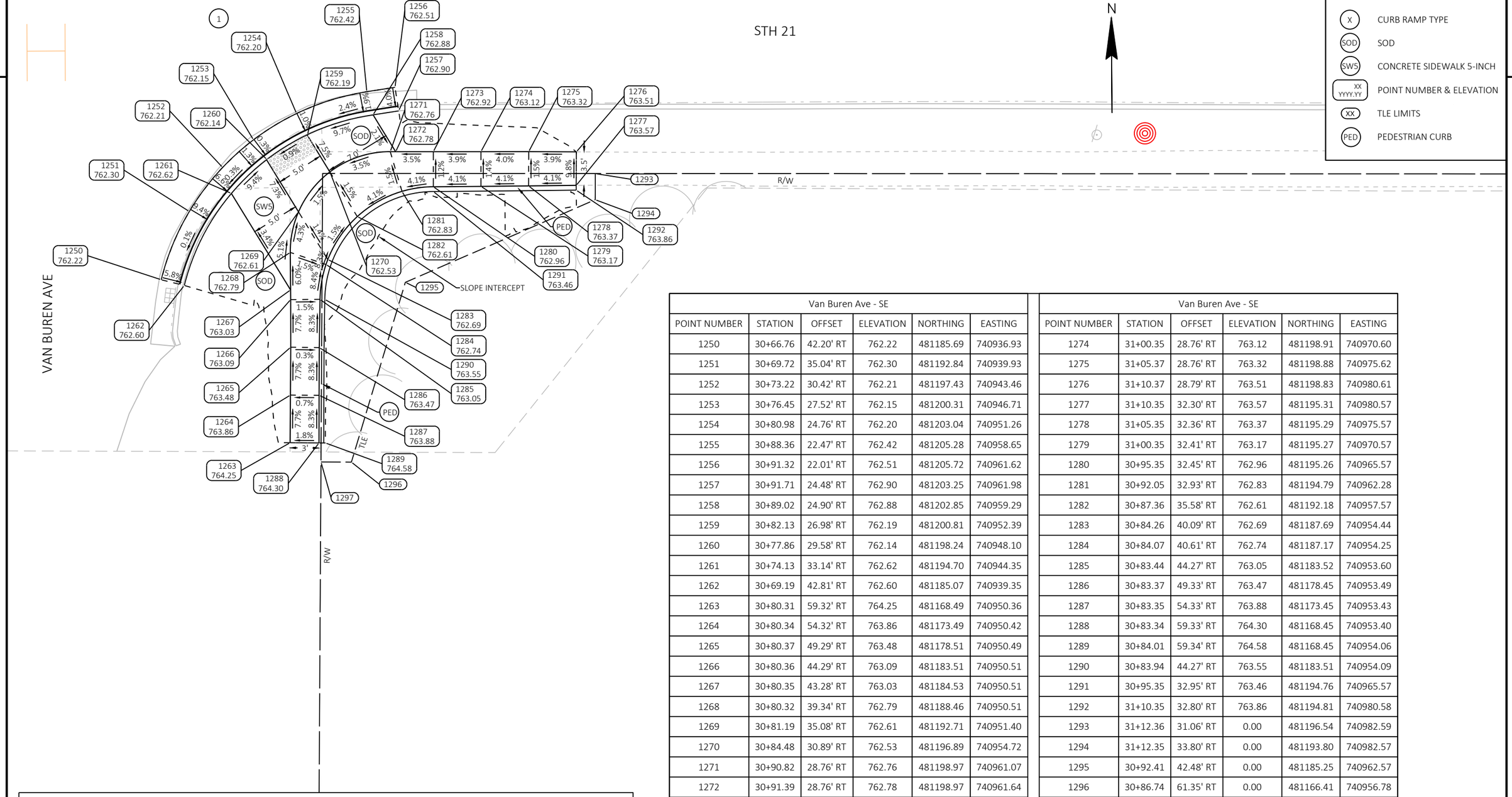
- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Van Buren Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1200	30+16.55	23.45' RT	760.09	481204.76	740886.84
1201	30+20.63	25.37' RT	760.32	481202.82	740890.90
1202	30+24.48	28.09' RT	760.66	481200.07	740894.73
1203	30+27.52	31.13' RT	761.03	481197.01	740897.76
1204	30+29.03	33.09' RT	761.27	481195.04	740899.26
1205	30+30.13	34.80' RT	761.39	481193.32	740900.34
1206	30+27.92	36.11' RT	761.78	481192.03	740898.12
1207	30+26.30	33.59' RT	761.52	481194.56	740896.52
1208	30+25.91	33.09' RT	760.98	481195.06	740896.13
1209	30+20.29	28.09' RT	760.39	481200.09	740890.55
1210	30+17.12	26.38' RT	760.58	481201.83	740887.38
1211	30+15.69	25.80' RT	760.47	481202.42	740885.96
1212	30+16.06	28.10' RT	760.45	481200.12	740886.32
1213	30+10.06	28.10' RT	760.65	481200.15	740880.32
1214	30+07.69	28.58' RT	760.57	481199.69	740877.94
1215	30+07.75	32.72' RT	760.71	481195.55	740877.97
1216	30+10.06	33.10' RT	760.73	481195.15	740880.29
1217	30+16.06	33.10' RT	760.53	481195.12	740886.29
1218	30+23.24	33.09' RT	760.86	481195.08	740893.47
1219	30+16.06	33.60' RT	761.03	481194.62	740886.28
1220	30+10.02	33.60' RT	761.23	481194.65	740880.24
1221	30+07.96	33.26' RT	761.21	481195.00	740878.19

NOTES:

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LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

Van Buren Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1250	30+66.76	42.20' RT	762.22	481185.69	740936.93
1251	30+69.72	35.04' RT	762.30	481192.84	740939.93
1252	30+73.22	30.42' RT	762.21	481197.43	740943.46
1253	30+76.45	27.52' RT	762.15	481200.31	740946.71
1254	30+80.98	24.76' RT	762.20	481203.04	740951.26
1255	30+88.36	22.47' RT	762.42	481205.28	740958.65
1256	30+91.32	22.01' RT	762.51	481205.72	740961.62
1257	30+91.71	24.48' RT	762.90	481203.25	740961.98
1258	30+89.02	24.90' RT	762.88	481202.85	740959.29
1259	30+82.13	26.98' RT	762.19	481200.81	740952.39
1260	30+77.86	29.58' RT	762.14	481198.24	740948.10
1261	30+74.13	33.14' RT	762.62	481194.70	740944.35
1262	30+69.19	42.81' RT	762.60	481185.07	740939.35
1263	30+80.31	59.32' RT	764.25	481168.49	740950.36
1264	30+80.34	54.32' RT	763.86	481173.49	740950.42
1265	30+80.37	49.29' RT	763.48	481178.51	740950.49
1266	30+80.36	44.29' RT	763.09	481183.51	740950.51
1267	30+80.35	43.28' RT	763.03	481184.53	740950.51
1268	30+80.32	39.34' RT	762.79	481188.46	740950.51
1269	30+81.19	35.08' RT	762.61	481192.71	740951.40
1270	30+84.48	30.89' RT	762.53	481196.89	740954.72
1271	30+90.82	28.76' RT	762.76	481198.97	740961.07
1272	30+91.39	28.76' RT	762.78	481198.97	740961.64
1273	30+95.35	28.76' RT	762.92	481198.95	740965.60

Van Buren Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1274	31+00.35	28.76' RT	763.12	481198.91	740970.60
1275	31+05.37	28.76' RT	763.32	481198.88	740975.62
1276	31+10.37	28.79' RT	763.51	481198.83	740980.61
1277	31+10.35	32.30' RT	763.57	481195.31	740980.57
1278	31+05.35	32.36' RT	763.37	481195.29	740975.57
1279	31+00.35	32.41' RT	763.17	481195.27	740970.57
1280	30+95.35	32.45' RT	762.96	481195.26	740965.57
1281	30+92.05	32.93' RT	762.83	481194.79	740962.28
1282	30+87.36	35.58' RT	762.61	481192.18	740957.57
1283	30+84.26	40.09' RT	762.69	481187.69	740954.44
1284	30+84.07	40.61' RT	762.74	481187.17	740954.25
1285	30+83.44	44.27' RT	763.05	481183.52	740953.60
1286	30+83.37	49.33' RT	763.47	481178.45	740953.49
1287	30+83.35	54.33' RT	763.88	481173.45	740953.43
1288	30+83.34	59.33' RT	764.30	481168.45	740953.40
1289	30+84.01	59.34' RT	764.58	481168.45	740954.06
1290	30+83.94	44.27' RT	763.55	481183.51	740954.09
1291	30+95.35	32.95' RT	763.46	481194.76	740965.57
1292	31+10.35	32.80' RT	763.86	481194.81	740980.58
1293	31+12.36	31.06' RT	0.00	481196.54	740982.59
1294	31+12.35	33.80' RT	0.00	481193.80	740982.57
1295	30+92.41	42.48' RT	0.00	481185.25	740962.57
1296	30+86.74	61.35' RT	0.00	481166.41	740956.78
1297	30+83.55	61.33' RT	0.00	481166.45	740953.59

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - VAN BUREN AVE SE	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 22-VanBuren-SE
PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

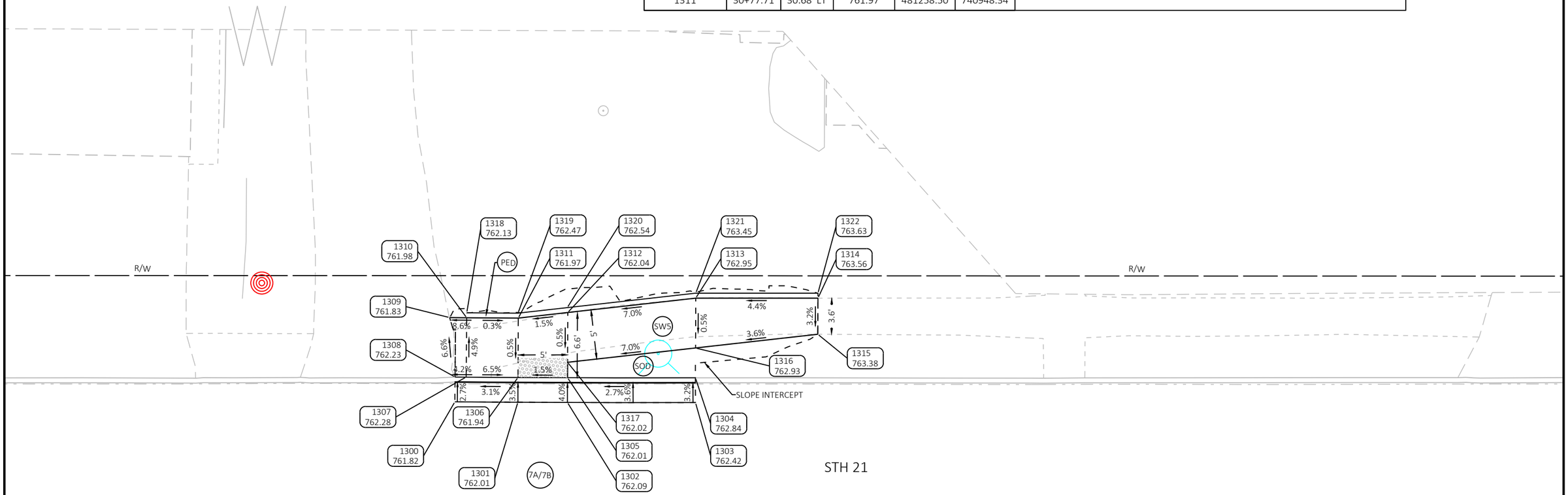
LEGEND

- (X) CURB RAMP TYPE
- (SOD) SOD
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX / YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

Van Buren Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1300	30+71.31	22.22' LT	761.82	481250.08	740941.89
1301	30+77.67	22.18' LT	762.01	481250.00	740948.25
1302	30+82.67	22.16' LT	762.09	481249.95	740953.25
1303	30+95.61	22.14' LT	762.42	481249.85	740966.18
1304	30+95.61	24.64' LT	762.84	481252.35	740966.20
1305	30+82.69	24.66' LT	762.01	481252.45	740953.28
1306	30+77.69	24.68' LT	761.94	481252.50	740948.28
1307	30+72.45	24.72' LT	762.28	481252.58	740943.04
1308	30+71.33	24.72' LT	762.23	481252.58	740941.92
1309	30+70.78	30.73' LT	761.83	481258.59	740941.41
1310	30+72.50	30.71' LT	761.98	481258.56	740943.14
1311	30+77.71	30.68' LT	761.97	481258.50	740948.34

Van Buren Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1312	30+82.71	31.24' LT	762.04	481259.03	740953.35
1313	30+95.64	32.69' LT	762.95	481260.40	740966.28
1314	31+07.98	32.70' LT	763.56	481260.32	740978.63
1315	31+07.96	29.05' LT	763.38	481256.67	740978.58
1316	30+95.62	27.66' LT	762.93	481255.36	740966.23
1317	30+82.69	26.21' LT	762.02	481253.99	740953.30
1318	30+72.51	31.21' LT	762.13	481259.06	740943.14
1319	30+77.69	31.18' LT	762.47	481259.00	740948.32
1320	30+82.66	31.74' LT	762.54	481259.52	740953.30
1321	30+95.64	33.20' LT	763.45	481260.91	740966.29
1322	31+07.98	33.19' LT	763.63	481260.82	740978.63

N



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

STH 21

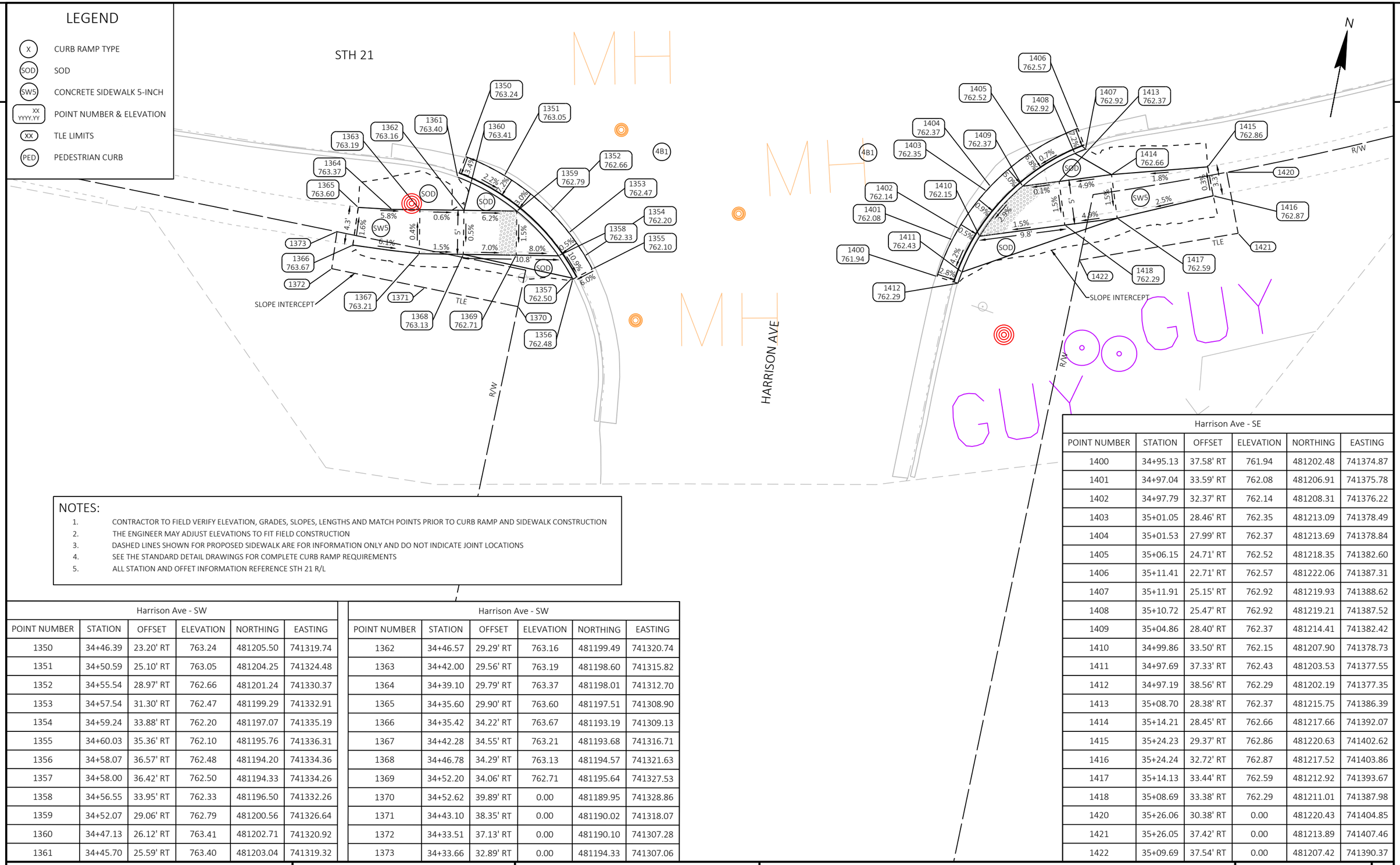
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - VAN BUREN AVE NE	SHEET E

PRE_37

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 23-VanBuren-NE
PLOT DATE : 9/1/2023 11:34 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

Harrison Ave - SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1350	34+46.39	23.20' RT	763.24	481205.50	741319.74
1351	34+50.59	25.10' RT	763.05	481204.25	741324.48
1352	34+55.54	28.97' RT	762.66	481201.24	741330.37
1353	34+57.54	31.30' RT	762.47	481199.29	741332.91
1354	34+59.24	33.88' RT	762.20	481197.07	741335.19
1355	34+60.03	35.36' RT	762.10	481195.76	741336.31
1356	34+58.07	36.57' RT	762.48	481194.20	741334.36
1357	34+58.00	36.42' RT	762.50	481194.33	741334.26
1358	34+56.55	33.95' RT	762.33	481196.50	741332.26
1359	34+52.07	29.06' RT	762.79	481200.56	741326.64
1360	34+47.13	26.12' RT	763.41	481202.71	741320.92
1361	34+45.70	25.59' RT	763.40	481203.04	741319.32

Harrison Ave - SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1362	34+46.57	29.29' RT	763.16	481199.49	741320.74
1363	34+42.00	29.56' RT	763.19	481198.60	741315.82
1364	34+39.10	29.79' RT	763.37	481198.01	741312.70
1365	34+35.60	29.90' RT	763.60	481197.51	741308.90
1366	34+35.42	34.22' RT	763.67	481193.19	741309.13
1367	34+42.28	34.55' RT	763.21	481193.68	741316.71
1368	34+46.78	34.29' RT	763.13	481194.57	741321.63
1369	34+52.20	34.06' RT	762.71	481195.64	741327.53
1370	34+52.62	39.89' RT	0.00	481189.95	741328.86
1371	34+43.10	38.35' RT	0.00	481190.02	741318.07
1372	34+33.51	37.13' RT	0.00	481190.10	741307.28
1373	34+33.66	32.89' RT	0.00	481194.33	741307.06

Harrison Ave - SE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1400	34+95.13	37.58' RT	761.94	481202.48	741374.87
1401	34+97.04	33.59' RT	762.08	481206.91	741375.78
1402	34+97.79	32.37' RT	762.14	481208.31	741376.22
1403	35+01.05	28.46' RT	762.35	481213.09	741378.49
1404	35+01.53	27.99' RT	762.37	481213.69	741378.84
1405	35+06.15	24.71' RT	762.52	481218.35	741382.60
1406	35+11.41	22.71' RT	762.57	481222.06	741387.31
1407	35+11.91	25.15' RT	762.92	481219.93	741388.62
1408	35+10.72	25.47' RT	762.92	481219.21	741387.52
1409	35+04.86	28.40' RT	762.37	481214.41	741382.42
1410	34+99.86	33.50' RT	762.15	481207.90	741378.73
1411	34+97.69	37.33' RT	762.43	481203.53	741377.55
1412	34+97.19	38.56' RT	762.29	481202.19	741377.35
1413	35+08.70	28.38' RT	762.37	481215.75	741386.39
1414	35+14.21	28.45' RT	762.66	481217.66	741392.07
1415	35+24.23	29.37' RT	762.86	481220.63	741402.62
1416	35+24.24	32.72' RT	762.87	481217.52	741403.86
1417	35+14.13	33.44' RT	762.59	481212.92	741393.67
1418	35+08.69	33.38' RT	762.29	481211.01	741387.98
1420	35+26.06	30.38' RT	0.00	481220.43	741404.85
1421	35+26.05	37.42' RT	0.00	481213.89	741407.46
1422	35+09.69	37.54' RT	0.00	481207.42	741390.37

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - HARRISON AVE SW/SE	SHEET E

PRE_38

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 24-Harrison-SW-SE

PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

Maplewood Rd (West) - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1450	34+42.08	21.90' LT	761.91	481249.72	741309.84
1451	34+53.59	22.17' LT	761.81	481251.44	741320.42
1452	34+59.74	22.76' LT	761.70	481252.96	741325.97
1453	34+65.68	24.45' LT	761.64	481255.61	741331.07
1454	34+67.87	25.37' LT	761.61	481256.91	741332.87
1455	34+71.20	27.14' LT	761.60	481259.26	741335.51
1456	34+76.11	30.78' LT	761.67	481263.78	741339.08
1457	34+74.14	32.55' LT	762.16	481265.11	741336.97
1458	34+73.42	31.91' LT	761.63	481264.35	741336.46
1459	34+61.32	25.69' LT	761.58	481256.09	741326.89
1460	34+53.57	24.67' LT	762.00	481253.90	741320.02
1461	34+41.97	24.40' LT	762.30	481252.18	741309.44
1462	34+54.37	25.88' LT	761.59	481255.22	741320.56
1463	34+54.33	25.39' LT	762.09	481254.72	741320.60
1464	34+47.78	26.52' LT	762.01	481254.96	741314.48
1465	34+47.73	26.02' LT	762.51	481254.46	741314.50
1466	34+42.35	26.97' LT	762.08	481254.77	741309.48
1467	34+42.28	26.47' LT	762.58	481254.27	741309.48
1468	34+36.09	27.96' LT	762.41	481255.13	741303.69

Maplewood Rd (West) - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1469	34+36.06	27.45' LT	762.58	481254.63	741303.71
1470	34+31.47	28.20' LT	762.66	481254.99	741299.47
1471	34+31.81	32.62' LT	762.75	481259.42	741299.40
1472	34+31.84	33.11' LT	762.81	481259.91	741299.39
1473	34+36.39	32.37' LT	762.47	481259.55	741303.52
1474	34+36.43	32.87' LT	762.97	481260.05	741303.51
1475	34+42.80	31.95' LT	762.16	481259.77	741309.30
1476	34+42.85	32.45' LT	762.66	481260.27	741309.28
1477	34+48.33	31.49' LT	762.08	481259.96	741314.29
1478	34+48.38	31.99' LT	762.58	481260.46	741314.27
1479	34+54.84	30.87' LT	761.67	481260.20	741320.20
1480	34+54.89	31.36' LT	762.17	481260.70	741320.17
1481	34+68.68	31.79' LT	762.14	481263.34	741332.32
1482	34+73.34	32.41' LT	762.13	481264.82	741336.29
1490	34+29.65	33.77' LT	0.00	481260.40	741297.38
1491	34+30.04	39.12' LT	0.00	481265.77	741297.29
1492	34+46.77	37.44' LT	0.00	481265.67	741312.12
1493	34+63.27	35.00' LT	0.00	481265.57	741326.94

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

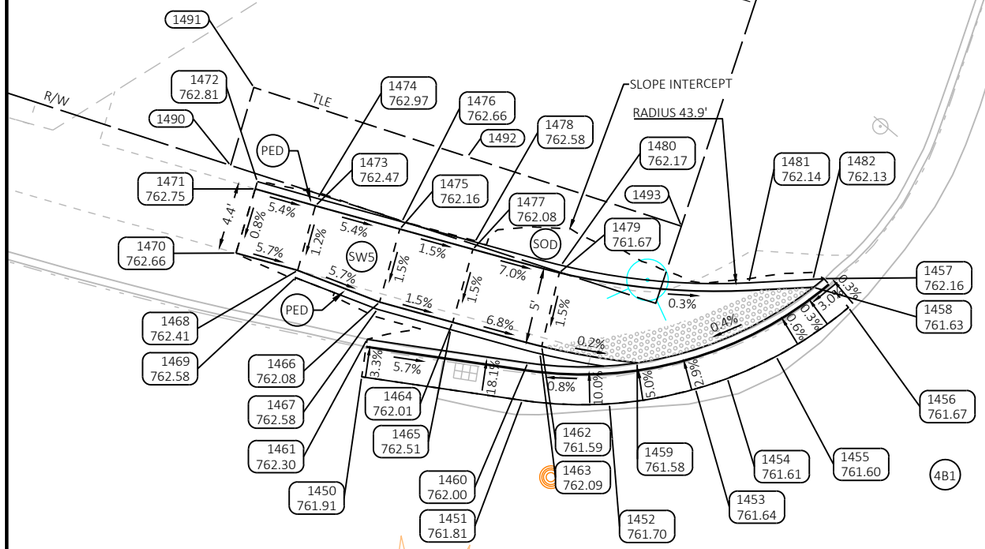
LEGEND

- (X) CURB RAMP TYPE
- (SOD) SOD
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX / YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

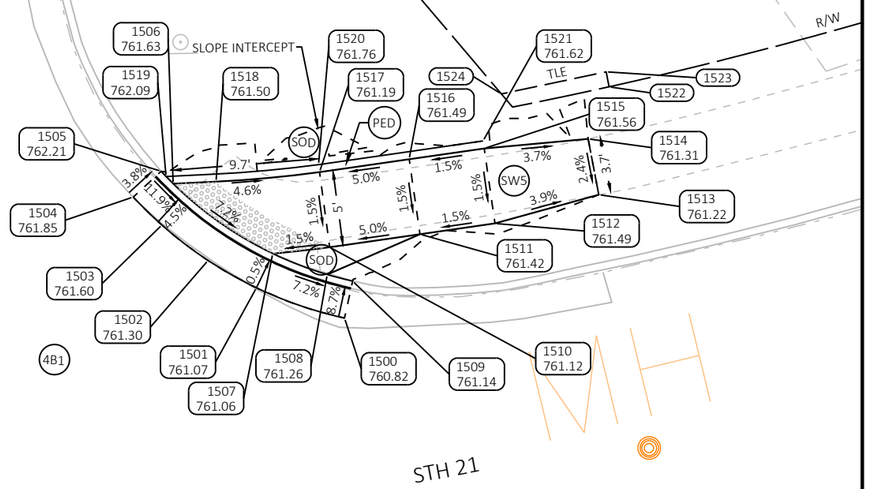
N

Maplewood Rd (West) - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1500	35+50.16	23.82' LT	760.82	481279.81	741405.10
1501	35+44.22	26.61' LT	761.07	481279.96	741398.95
1502	35+40.99	28.81' LT	761.30	481280.72	741395.36
1503	35+37.96	31.48' LT	761.60	481282.03	741391.76
1504	35+36.09	33.52' LT	761.85	481283.22	741389.40
1505	35+38.33	35.00' LT	762.21	481285.39	741390.63
1506	35+39.12	34.10' LT	761.63	481284.85	741391.64
1507	35+45.71	28.70' LT	761.06	481282.44	741399.30
1508	35+49.40	26.83' LT	761.26	481282.21	741403.14
1509	35+51.14	26.16' LT	761.14	481282.30	741404.87
1510	35+49.86	28.59' LT	761.12	481283.98	741402.75
1511	35+56.47	28.50' LT	761.42	481286.59	741408.18
1512	35+61.96	28.33' LT	761.49	481288.77	741412.68
1513	35+69.74	28.84' LT	761.22	481292.64	741418.63
1514	35+69.83	32.59' LT	761.31	481295.94	741416.85
1515	35+62.20	33.32' LT	761.56	481293.27	741410.50
1516	35+56.62	33.50' LT	761.49	481291.09	741406.00
1517	35+49.94	33.59' LT	761.19	481288.50	741400.62
1518	35+42.28	33.90' LT	761.50	481285.83	741394.30
1519	35+38.65	34.63' LT	762.09	481285.16	741391.05
1520	35+49.95	34.09' LT	761.76	481288.95	741400.40
1521	35+62.22	33.82' LT	761.62	481293.72	741410.28
1522	35+72.16	35.65' LT	0.00	481299.64	741417.13
1523	35+72.19	36.66' LT	0.00	481300.52	741416.65
1524	35+64.21	36.64' LT	0.00	481297.04	741410.50

2



MAPLEWOOD RD (WEST)



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MAPLEWOOD RD (WEST) NW/NE	SHEET E

PRE_39

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 25-Maplewood(West)-NW-NE

PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- (X) CURB RAMP TYPE
- (SOD) SOD
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX / YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

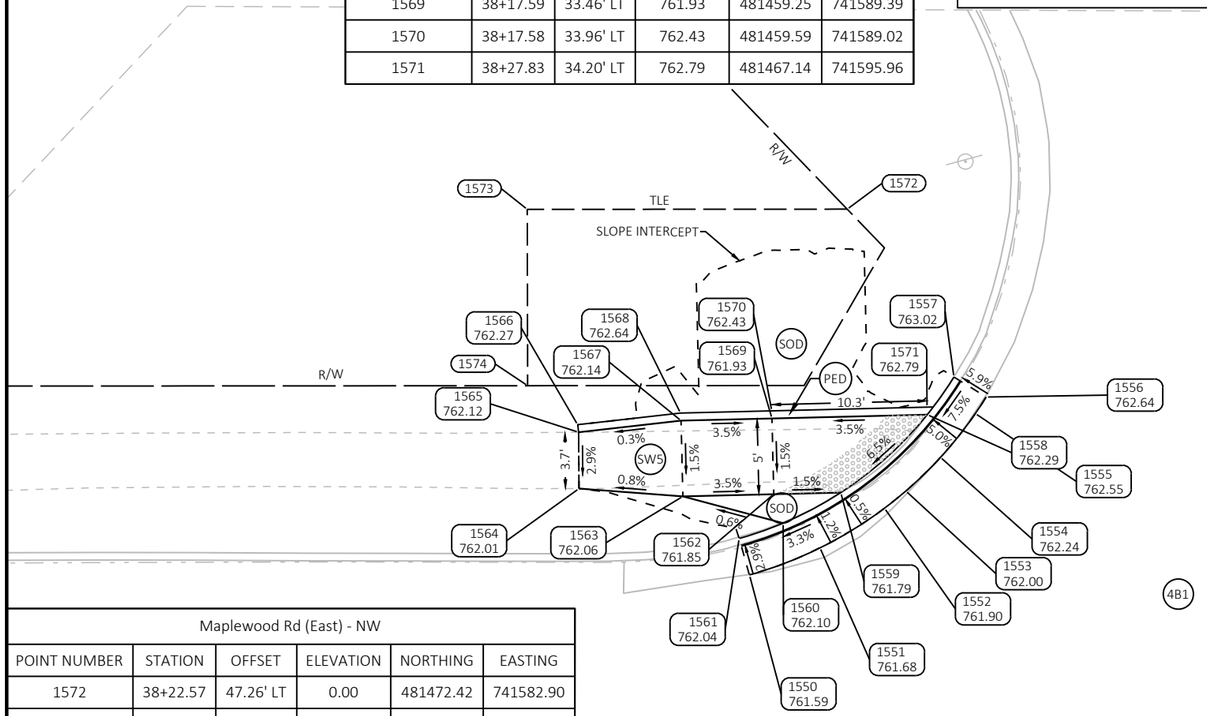
Maplewood Rd (East) - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1550	38+16.10	23.13' LT	761.59	481451.01	741595.78
1551	38+20.75	24.93' LT	761.68	481455.61	741597.72
1552	38+25.01	27.53' LT	761.90	481460.48	741598.81
1553	38+26.42	28.66' LT	762.00	481462.28	741598.97
1554	38+28.71	30.89' LT	762.24	481465.47	741598.95
1555	38+31.02	33.77' LT	762.55	481469.13	741598.48
1556	38+31.73	34.86' LT	762.64	481470.40	741598.19
1557	38+29.60	36.18' LT	763.02	481469.79	741595.77
1558	38+27.84	33.70' LT	762.29	481466.80	741596.33
1559	38+22.13	28.56' LT	761.79	481459.12	741596.06
1560	38+18.33	26.55' LT	762.10	481454.99	741594.87
1561	38+15.42	25.54' LT	762.04	481452.19	741593.58
1562	38+17.71	28.46' LT	761.85	481455.87	741593.06
1563	38+11.71	28.32' LT	762.06	481451.45	741589.00
1564	38+04.86	28.84' LT	762.01	481446.88	741583.87
1565	38+04.83	32.56' LT	762.12	481449.44	741581.18
1566	38+04.77	33.05' LT	762.27	481449.75	741580.78
1567	38+11.59	33.32' LT	762.14	481454.84	741585.32
1568	38+11.56	33.82' LT	762.64	481455.16	741584.94
1569	38+17.59	33.46' LT	761.93	481459.25	741589.39
1570	38+17.58	33.96' LT	762.43	481459.59	741589.02
1571	38+27.83	34.20' LT	762.79	481467.14	741595.96

Maplewood Rd (East) - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1600	38+83.77	37.41' LT	762.88	481509.63	741632.48
1601	38+86.04	33.50' LT	762.79	481508.55	741636.88
1602	38+87.83	31.22' LT	762.70	481508.25	741639.76
1603	38+90.65	28.46' LT	762.64	481508.37	741643.71
1604	38+93.44	26.38' LT	762.62	481508.93	741647.13
1605	39+00.17	23.29' LT	762.69	481511.63	741654.03
1606	39+07.49	22.17' LT	762.72	481516.12	741659.92
1607	39+12.77	22.11' LT	762.73	481519.88	741663.63
1608	39+12.80	24.61' LT	763.11	481521.64	741661.85
1609	39+07.52	24.67' LT	763.10	481517.88	741658.14
1610	39+00.84	25.70' LT	763.11	481513.78	741652.77
1611	38+94.89	28.42' LT	762.62	481511.39	741646.68
1612	38+89.19	33.47' LT	762.69	481510.80	741639.08
1613	38+86.03	38.47' LT	763.34	481511.99	741633.29

Maplewood Rd (East) - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1614	38+99.27	28.38' LT	762.68	481514.52	741649.74
1615	39+06.27	28.32' LT	763.10	481519.51	741654.65
1616	39+11.27	28.28' LT	763.18	481523.08	741658.15
1617	39+17.80	28.89' LT	763.47	481528.33	741662.36
1618	39+20.89	28.90' LT	763.62	481530.69	741664.68
1619	39+20.82	32.63' LT	763.72	481533.26	741661.98
1620	39+17.76	32.58' LT	763.57	481530.87	741659.69
1621	39+11.31	33.28' LT	763.25	481526.58	741654.58
1622	39+11.32	33.78' LT	763.25	481526.94	741654.22
1623	39+06.31	33.32' LT	763.18	481523.02	741651.08
1624	39+06.32	33.82' LT	763.68	481523.37	741650.72
1625	38+99.31	33.38' LT	762.76	481518.02	741646.17
1626	38+99.32	33.88' LT	763.26	481518.37	741645.82
1627	38+89.20	33.97' LT	763.19	481511.15	741638.73

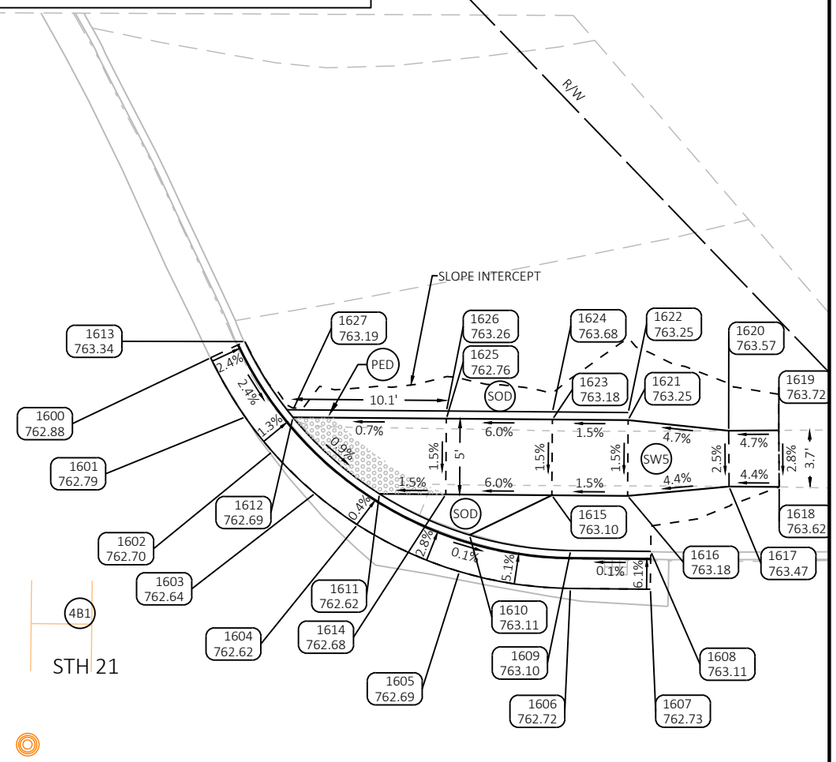
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L



Maplewood Rd (East) - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1572	38+22.57	47.26' LT	0.00	481472.42	741582.90
1573	38+01.46	47.27' LT	0.00	481457.23	741568.25
1574	38+01.47	35.63' LT	0.00	481449.16	741576.63

MAPLEWOOD RD (EAST)



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MAPLEWOOD RD (EAST) NW/NE	SHEET E

PRE_40

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 26-Maplewood(East)-NW-NE

PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

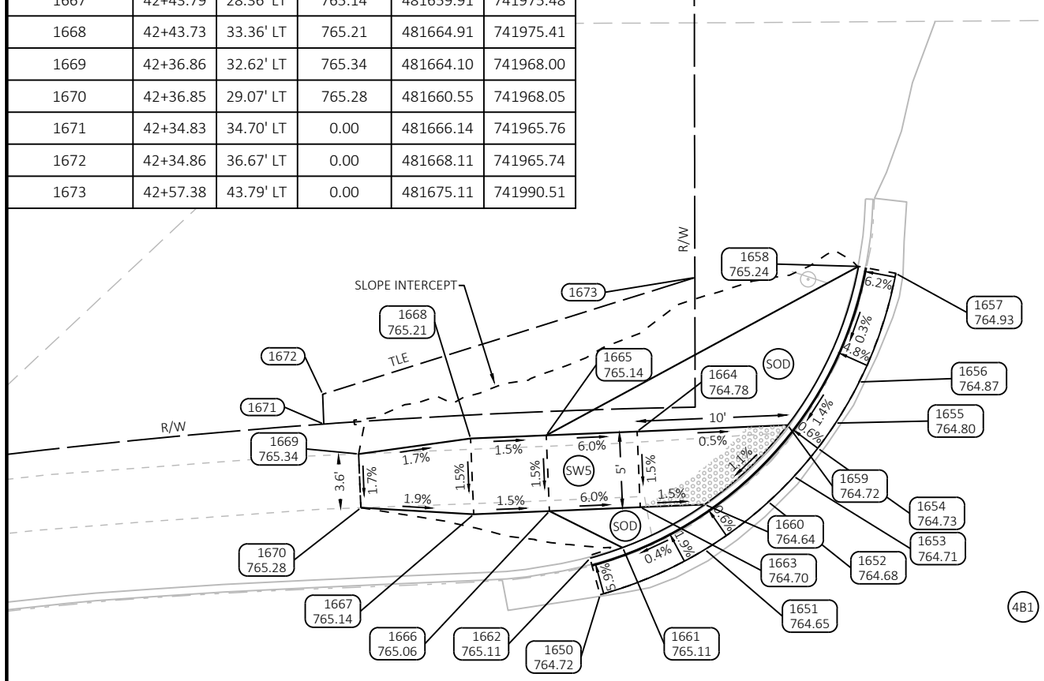
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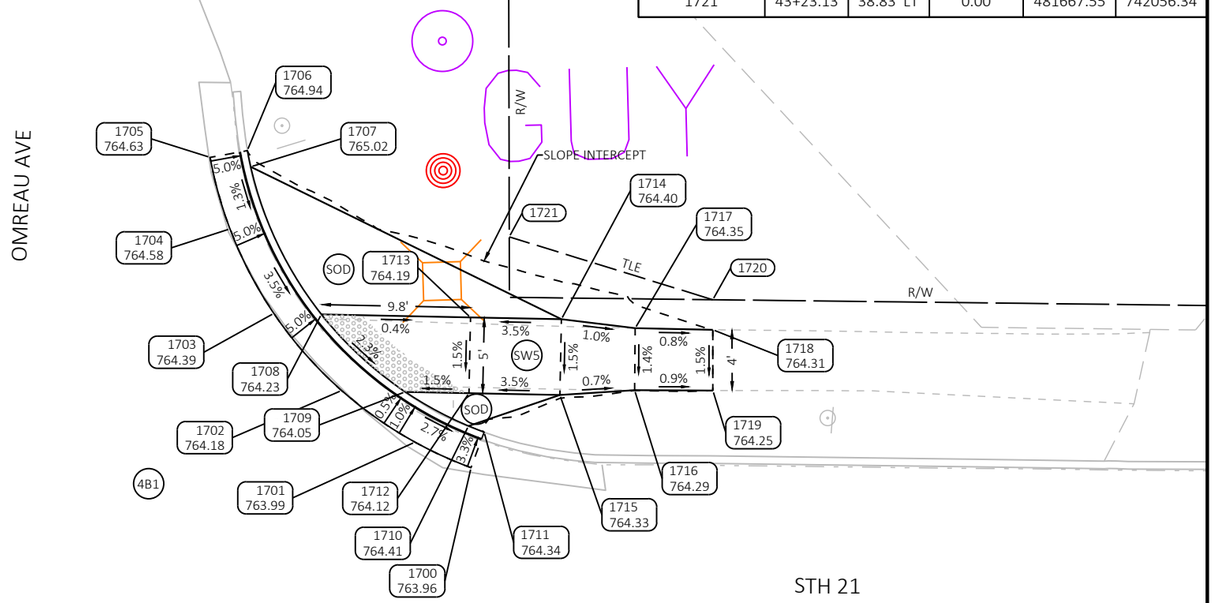
Omreau Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1650	42+51.54	22.87' LT	764.72	481654.36	741983.67
1651	42+58.08	25.85' LT	764.65	481657.15	741990.67
1652	42+62.07	29.04' LT	764.68	481660.18	741994.93
1653	42+63.74	30.74' LT	764.71	481661.81	741996.67
1654	42+65.30	32.61' LT	764.73	481663.62	741998.30
1655	42+66.45	34.28' LT	764.80	481665.24	741999.52
1656	42+67.96	37.01' LT	764.87	481667.92	742001.14
1657	42+70.32	44.21' LT	764.93	481675.01	742003.77
1658	42+67.85	44.64' LT	765.24	481675.54	742001.33
1659	42+63.30	34.11' LT	764.72	481665.20	741996.36
1660	42+58.05	28.82' LT	764.64	481660.12	741990.74
1661	42+52.97	25.97' LT	765.11	481657.43	741985.25
1662	42+50.93	25.29' LT	765.11	481656.79	741983.07
1663	42+54.07	28.64' LT	764.70	481660.06	741986.48
1664	42+53.89	33.63' LT	764.78	481665.06	741986.41
1665	42+48.35	33.45' LT	765.14	481664.98	741980.41
1666	42+48.46	28.45' LT	765.06	481659.98	741980.48
1667	42+43.79	28.36' LT	765.14	481659.91	741975.48
1668	42+43.73	33.36' LT	765.21	481664.91	741975.41
1669	42+36.86	32.62' LT	765.34	481664.10	741968.00
1670	42+36.85	29.07' LT	765.28	481660.55	741968.05
1671	42+34.83	34.70' LT	0.00	481666.14	741965.76
1672	42+34.86	36.67' LT	0.00	481668.11	741965.74
1673	42+57.38	43.79' LT	0.00	481675.11	741990.51

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

N





Omreau Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1700	43+20.78	23.56' LT	763.96	481652.39	742053.39
1701	43+17.06	25.21' LT	763.99	481654.18	742049.73
1702	43+12.18	28.56' LT	764.18	481657.72	742044.99
1703	43+07.66	33.61' LT	764.39	481662.95	742040.67
1704	43+04.71	39.15' LT	764.58	481668.60	742037.94
1705	43+03.33	43.85' LT	764.63	481673.35	742036.75
1706	43+05.79	44.32' LT	764.94	481673.72	742039.22
1707	43+06.02	43.26' LT	765.02	481672.65	742039.41
1708	43+10.79	33.57' LT	764.23	481662.78	742043.80
1709	43+16.38	28.52' LT	764.05	481657.52	742049.18
1710	43+20.58	26.31' LT	764.41	481655.14	742053.29
1711	43+21.62	25.92' LT	764.34	481654.71	742054.31
1712	43+20.59	28.48' LT	764.12	481657.31	742053.39
1713	43+20.64	33.48' LT	764.19	481662.31	742053.63
1714	43+26.64	33.43' LT	764.40	481662.02	742059.63
1715	43+26.59	28.43' LT	764.33	481657.02	742059.38
1716	43+31.52	28.81' LT	764.29	481657.20	742064.32
1717	43+31.51	32.90' LT	764.35	481661.29	742064.48
1718	43+36.63	32.85' LT	764.31	481661.04	742069.59
1719	43+36.68	28.84' LT	764.25	481657.03	742069.48
1720	43+36.61	34.83' LT	0.00	481663.02	742069.64
1721	43+23.13	38.83' LT	0.00	481667.55	742056.34

2

NOTES:

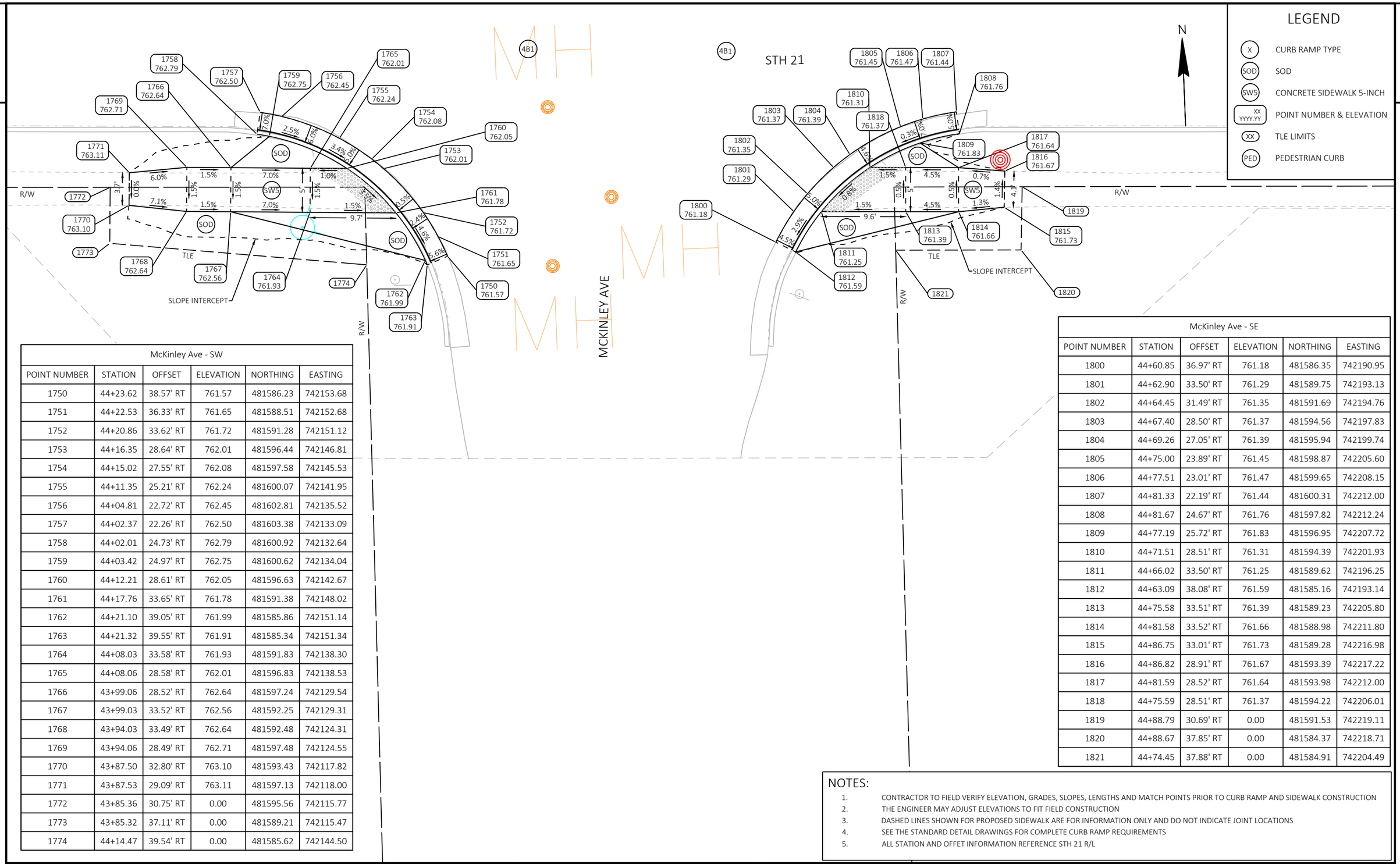
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
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4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - OMREAU AVE NW/NE	SHEET E

PRE_41

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 27-Omreau-NW-NE

PLOT DATE : 9/1/2023 11:34 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT



McKinley Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1750	44+23.62	38.57' RT	761.57	481586.23	742153.68
1751	44+22.53	36.33' RT	761.65	481588.51	742152.68
1752	44+20.86	33.62' RT	761.72	481591.28	742151.12
1753	44+16.35	28.64' RT	762.01	481596.44	742146.81
1754	44+15.02	27.55' RT	762.08	481597.58	742145.53
1755	44+11.35	25.21' RT	762.24	481600.07	742141.95
1756	44+04.81	22.72' RT	762.45	481602.81	742135.52
1757	44+02.37	22.26' RT	762.50	481603.38	742133.09
1758	44+02.01	24.73' RT	762.79	481600.92	742132.64
1759	44+03.42	24.97' RT	762.75	481600.62	742134.04
1760	44+12.21	28.61' RT	762.05	481596.63	742142.67
1761	44+17.76	33.65' RT	761.78	481591.38	742148.02
1762	44+21.10	39.05' RT	761.99	481585.86	742151.14
1763	44+21.32	39.55' RT	761.91	481585.34	742151.34
1764	44+08.03	33.58' RT	761.93	481591.83	742138.30
1765	44+08.06	28.58' RT	762.01	481596.83	742138.53
1766	43+99.06	28.52' RT	762.64	481597.24	742129.54
1767	43+99.03	33.52' RT	762.56	481592.25	742129.31
1768	43+94.03	33.49' RT	762.64	481592.48	742124.31
1769	43+94.06	28.49' RT	762.71	481597.48	742124.55
1770	43+87.50	32.80' RT	763.10	481593.43	742117.82
1771	43+87.53	29.09' RT	763.11	481597.13	742118.00
1772	43+85.36	30.75' RT	0.00	481595.56	742115.77
1773	43+85.32	37.11' RT	0.00	481589.21	742115.47
1774	44+14.47	39.54' RT	0.00	481585.62	742144.50

McKinley Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1800	44+60.85	36.97' RT	761.18	481586.35	742190.95
1801	44+62.90	33.50' RT	761.29	481589.75	742193.13
1802	44+64.45	31.49' RT	761.35	481591.69	742194.76
1803	44+67.40	28.50' RT	761.37	481594.56	742197.83
1804	44+69.26	27.05' RT	761.39	481595.94	742199.74
1805	44+75.00	23.89' RT	761.45	481598.87	742205.60
1806	44+77.51	23.01' RT	761.47	481599.65	742208.15
1807	44+81.33	22.19' RT	761.44	481600.31	742212.00
1808	44+81.67	24.67' RT	761.76	481597.82	742212.24
1809	44+77.19	25.72' RT	761.83	481596.95	742207.72
1810	44+71.51	28.51' RT	761.31	481594.39	742201.93
1811	44+66.02	33.50' RT	761.25	481589.62	742196.25
1812	44+63.09	38.08' RT	761.59	481585.16	742193.14
1813	44+75.58	33.51' RT	761.39	481589.23	742205.80
1814	44+81.58	33.52' RT	761.66	481588.98	742211.80
1815	44+86.75	33.01' RT	761.73	481589.28	742216.98
1816	44+86.82	28.91' RT	761.67	481593.39	742217.22
1817	44+81.59	28.52' RT	761.64	481593.98	742212.00
1818	44+75.59	28.51' RT	761.37	481594.22	742206.01
1819	44+88.79	30.69' RT	0.00	481591.53	742219.11
1820	44+88.67	37.85' RT	0.00	481584.37	742218.71
1821	44+74.45	37.88' RT	0.00	481584.91	742204.49

NOTES:

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5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - MCKINLEY AVE SW/SE	SHEET E

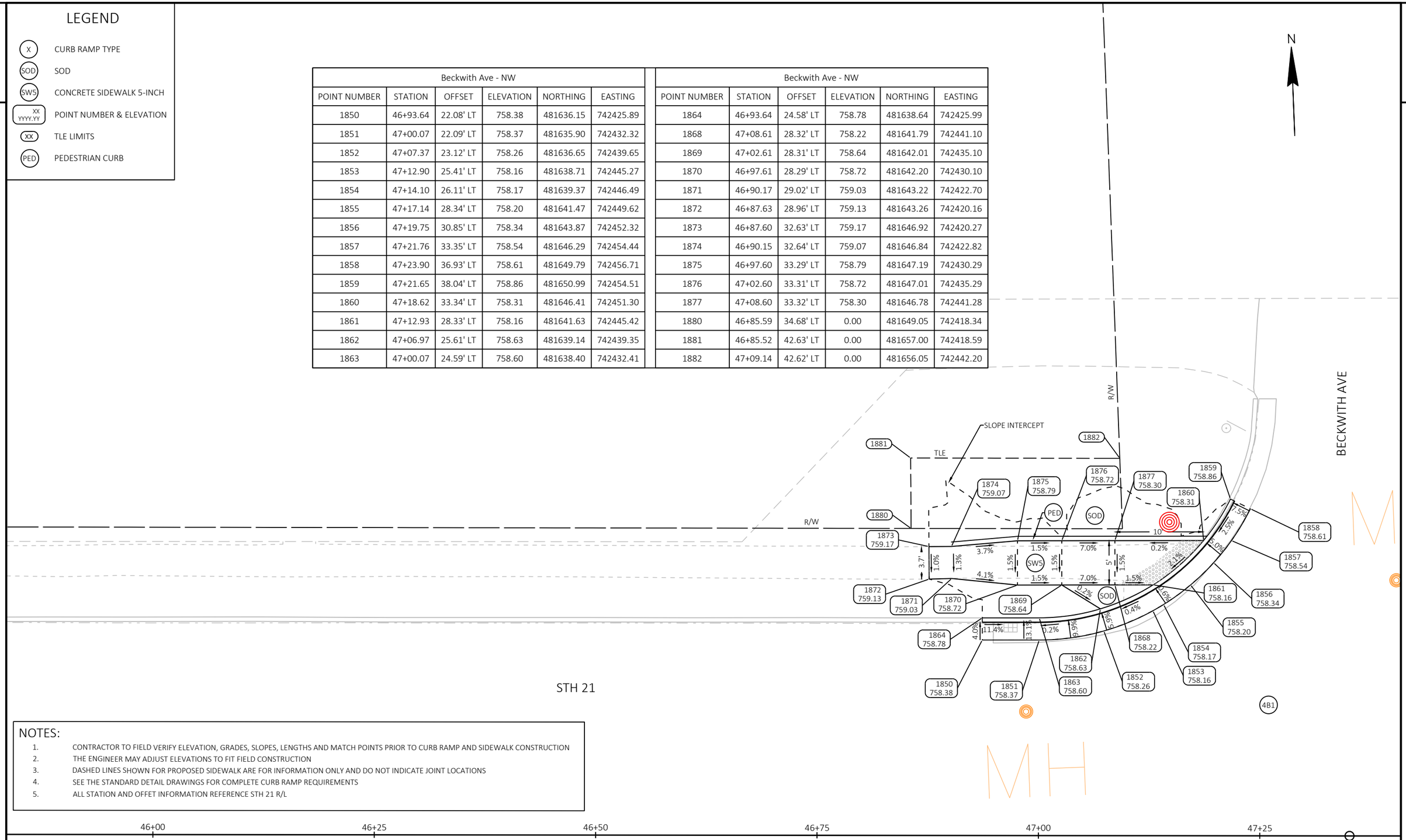
2

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

Beckwith Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1850	46+93.64	22.08' LT	758.38	481636.15	742425.89
1851	47+00.07	22.09' LT	758.37	481635.90	742432.32
1852	47+07.37	23.12' LT	758.26	481636.65	742439.65
1853	47+12.90	25.41' LT	758.16	481638.71	742445.27
1854	47+14.10	26.11' LT	758.17	481639.37	742446.49
1855	47+17.14	28.34' LT	758.20	481641.47	742449.62
1856	47+19.75	30.85' LT	758.34	481643.87	742452.32
1857	47+21.76	33.35' LT	758.54	481646.29	742454.44
1858	47+23.90	36.93' LT	758.61	481649.79	742456.71
1859	47+21.65	38.04' LT	758.86	481650.99	742454.51
1860	47+18.62	33.34' LT	758.31	481646.41	742451.30
1861	47+12.93	28.33' LT	758.16	481641.63	742445.42
1862	47+06.97	25.61' LT	758.63	481639.14	742439.35
1863	47+00.07	24.59' LT	758.60	481638.40	742432.41

Beckwith Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1864	46+93.64	24.58' LT	758.78	481638.64	742425.99
1868	47+08.61	28.32' LT	758.22	481641.79	742441.10
1869	47+02.61	28.31' LT	758.64	481642.01	742435.10
1870	46+97.61	28.29' LT	758.72	481642.20	742430.10
1871	46+90.17	29.02' LT	759.03	481643.22	742422.70
1872	46+87.63	28.96' LT	759.13	481643.26	742420.16
1873	46+87.60	32.63' LT	759.17	481646.92	742420.27
1874	46+90.15	32.64' LT	759.07	481646.84	742422.82
1875	46+97.60	33.29' LT	758.79	481647.19	742430.29
1876	47+02.60	33.31' LT	758.72	481647.01	742435.29
1877	47+08.60	33.32' LT	758.30	481646.78	742441.28
1880	46+85.59	34.68' LT	0.00	481649.05	742418.34
1881	46+85.52	42.63' LT	0.00	481657.00	742418.59
1882	47+09.14	42.62' LT	0.00	481656.05	742442.20



NOTES:

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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - BECKWITH AVE NW	SHEET E

PRE_43

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 29-Beckwith-NW

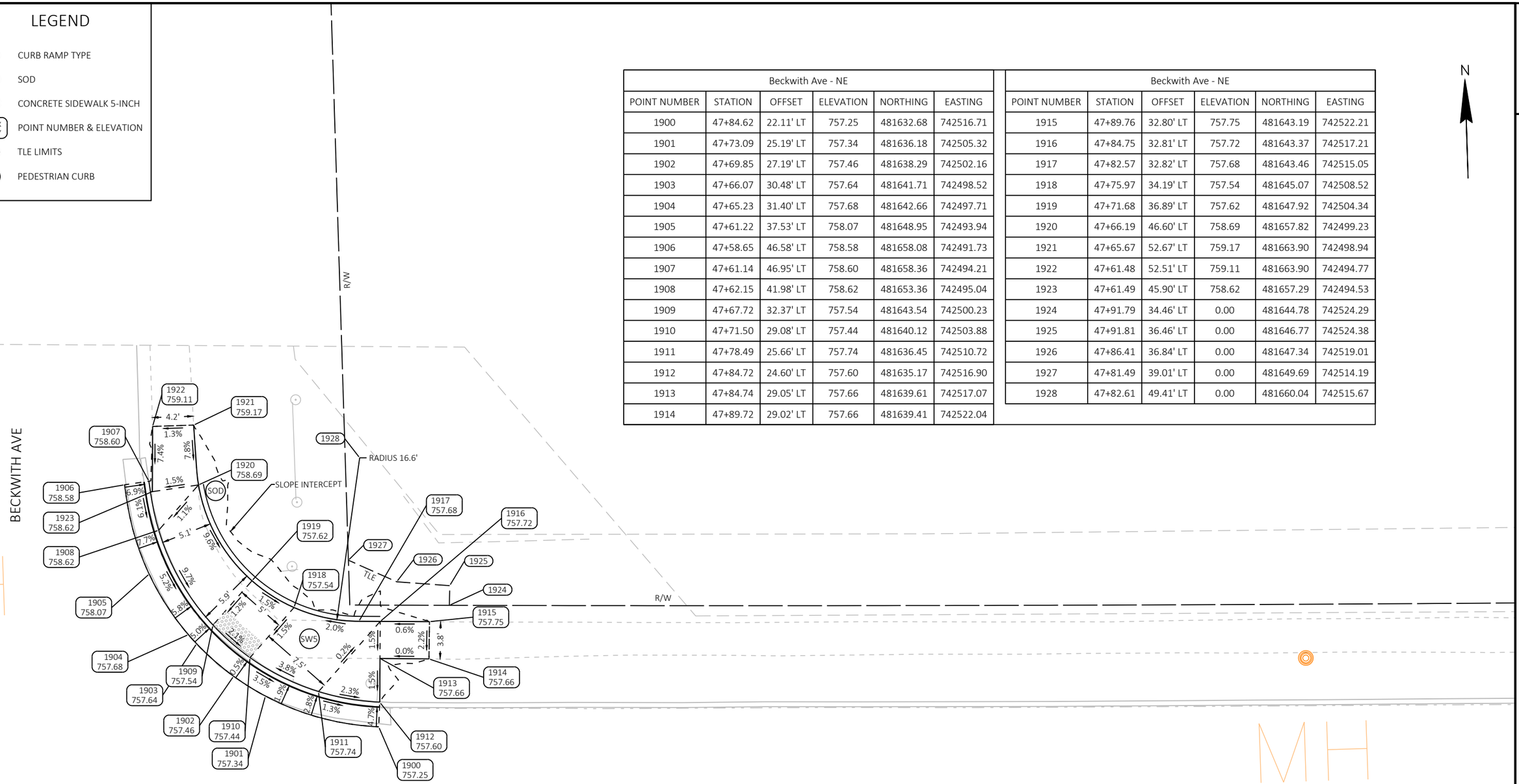
PLOT DATE : 9/1/2023 11:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

Beckwith Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1900	47+84.62	22.11' LT	757.25	481632.68	742516.71
1901	47+73.09	25.19' LT	757.34	481636.18	742505.32
1902	47+69.85	27.19' LT	757.46	481638.29	742502.16
1903	47+66.07	30.48' LT	757.64	481641.71	742498.52
1904	47+65.23	31.40' LT	757.68	481642.66	742497.71
1905	47+61.22	37.53' LT	758.07	481648.95	742493.94
1906	47+58.65	46.58' LT	758.58	481658.08	742491.73
1907	47+61.14	46.95' LT	758.60	481658.36	742494.21
1908	47+62.15	41.98' LT	758.62	481653.36	742495.04
1909	47+67.72	32.37' LT	757.54	481643.54	742500.23
1910	47+71.50	29.08' LT	757.44	481640.12	742503.88
1911	47+78.49	25.66' LT	757.74	481636.45	742510.72
1912	47+84.72	24.60' LT	757.60	481635.17	742516.90
1913	47+84.74	29.05' LT	757.66	481639.61	742517.07
1914	47+89.72	29.02' LT	757.66	481639.41	742522.04

Beckwith Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1915	47+89.76	32.80' LT	757.75	481643.19	742522.21
1916	47+84.75	32.81' LT	757.72	481643.37	742517.21
1917	47+82.57	32.82' LT	757.68	481643.46	742515.05
1918	47+75.97	34.19' LT	757.54	481645.07	742508.52
1919	47+71.68	36.89' LT	757.62	481647.92	742504.34
1920	47+66.19	46.60' LT	758.69	481657.82	742499.23
1921	47+65.67	52.67' LT	759.17	481663.90	742498.94
1922	47+61.48	52.51' LT	759.11	481663.90	742494.77
1923	47+61.49	45.90' LT	758.62	481657.29	742494.53
1924	47+91.79	34.46' LT	0.00	481644.78	742524.29
1925	47+91.81	36.46' LT	0.00	481646.77	742524.38
1926	47+86.41	36.84' LT	0.00	481647.34	742519.01
1927	47+81.49	39.01' LT	0.00	481649.69	742514.19
1928	47+82.61	49.41' LT	0.00	481660.04	742515.67



NOTES:

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47+50 47+75 48+00 48+25 48+50 48+75 49

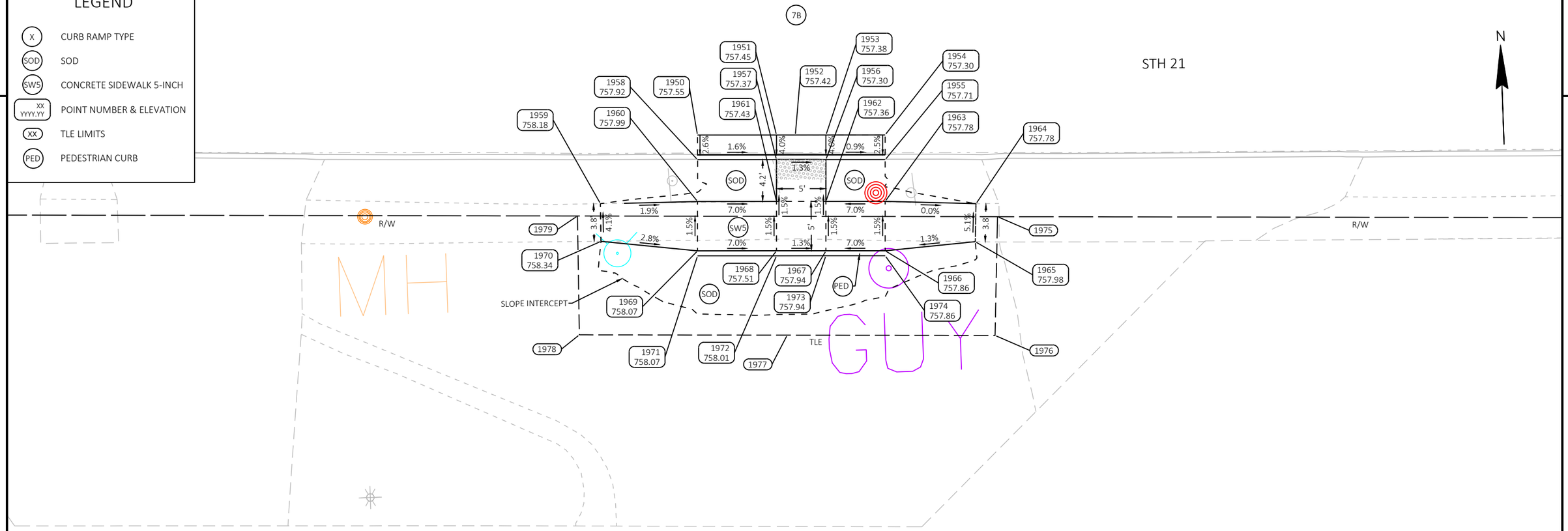
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - BECKWITH AVE NE	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 30-Beckwith-NE
PLOT DATE : 9/1/2023 11:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_44

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB



Beckwith Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1950	47+59.72	21.95' RT	757.55	481589.56	742490.22
1951	47+67.70	21.94' RT	757.45	481589.27	742498.22
1952	47+69.60	21.94' RT	757.42	481589.20	742500.12
1953	47+72.70	21.94' RT	757.38	481589.09	742503.22
1954	47+78.68	21.93' RT	757.30	481588.88	742509.21
1955	47+78.68	24.43' RT	757.71	481586.38	742509.12
1956	47+72.69	24.44' RT	757.30	481586.60	742503.12
1957	47+67.71	24.44' RT	757.37	481586.77	742498.13
1958	47+59.72	24.45' RT	757.92	481587.06	742490.13
1959	47+49.92	28.92' RT	758.18	481582.96	742480.15
1960	47+59.73	28.69' RT	757.99	481582.83	742489.98
1961	47+67.71	28.67' RT	757.43	481582.55	742497.98
1962	47+72.70	28.66' RT	757.36	481582.37	742502.97
1963	47+78.68	28.66' RT	757.78	481582.16	742508.97
1964	47+87.86	28.90' RT	757.78	481581.59	742518.16

Beckwith Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1965	47+87.78	32.75' RT	757.98	481577.75	742517.94
1966	47+78.69	33.66' RT	757.86	481577.16	742508.79
1967	47+72.70	33.69' RT	757.94	481577.35	742502.80
1968	47+67.72	33.67' RT	757.51	481577.55	742497.80
1969	47+59.74	33.69' RT	758.07	481577.83	742489.81
1970	47+49.99	32.73' RT	758.34	481579.15	742480.07
1971	47+59.74	34.19' RT	758.07	481577.33	742489.79
1972	47+67.72	34.17' RT	758.01	481577.05	742497.78
1973	47+72.70	34.16' RT	757.94	481576.87	742502.78
1974	47+78.69	34.16' RT	757.86	481576.66	742508.78
1975	47+90.03	30.21' RT	0.00	481580.20	742520.28
1976	47+89.77	42.25' RT	0.00	481568.18	742519.61
1977	47+68.80	42.21' RT	0.00	481568.98	742498.57
1978	47+47.83	42.21' RT	0.00	481569.77	742477.54
1979	47+47.61	30.18' RT	0.00	481581.80	742477.78

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - BECKWITH AVE SE	SHEET E

PRE_45

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 31-Beckwith-SE

PLOT DATE : 9/1/2023 11:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

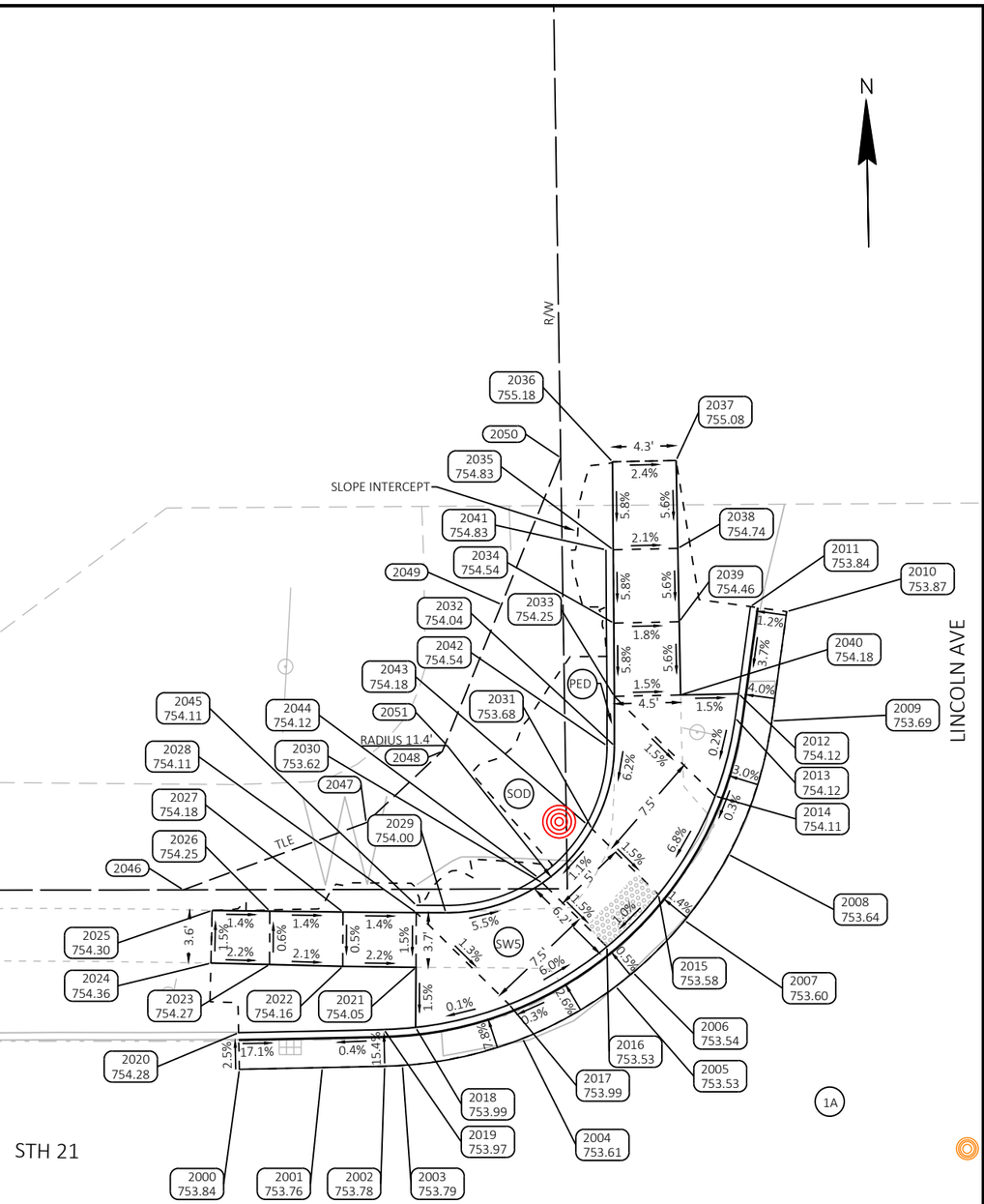
WISDOT/CADDS SHEET 42

LEGEND

- (X) CURB RAMP TYPE
- (SOD) SOD
- (SW5) CONCRETE SIDEWALK 5-INCH
- (XX YYYY.YY) POINT NUMBER & ELEVATION
- (XX) TLE LIMITS
- (PED) PEDESTRIAN CURB

Lincoln Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2000	50+24.03	22.12' LT	753.84	481626.76	742755.58
2001	50+29.71	22.23' LT	753.76	481626.79	742761.25
2002	50+33.98	22.30' LT	753.78	481626.81	742765.51
2003	50+35.19	22.35' LT	753.79	481626.84	742766.72
2004	50+43.41	24.16' LT	753.61	481628.54	742774.95
2005	50+49.80	27.68' LT	753.53	481631.98	742781.37
2006	50+51.00	28.62' LT	753.54	481632.91	742782.57
2007	50+54.54	32.16' LT	753.60	481636.40	742786.15
2008	50+57.57	36.65' LT	753.64	481640.86	742789.21
2009	50+60.59	45.74' LT	753.69	481649.91	742792.33
2010	50+61.66	53.20' LT	753.87	481657.36	742793.48
2011	50+59.17	53.55' LT	753.84	481657.74	742791.00
2012	50+58.32	47.61' LT	754.12	481651.81	742790.09
2013	50+58.08	45.96' LT	754.12	481650.16	742789.84
2014	50+56.67	40.64' LT	754.11	481644.86	742788.37
2015	50+52.76	33.93' LT	753.58	481638.20	742784.39
2016	50+49.22	30.40' LT	753.53	481634.70	742780.82
2017	50+42.50	26.49' LT	753.99	481630.88	742774.07
2018	50+36.10	24.94' LT	753.99	481629.41	742767.66
2019	50+33.93	24.80' LT	753.97	481629.31	742765.50
2020	50+23.99	24.62' LT	754.28	481629.26	742755.57
2021	50+36.14	29.04' LT	754.05	481633.52	742767.76
2022	50+31.13	29.13' LT	754.16	481633.67	742762.76
2023	50+26.12	29.27' LT	754.27	481633.88	742757.76
2024	50+22.10	29.38' LT	754.36	481634.05	742753.76
2025	50+22.20	32.97' LT	754.30	481637.63	742753.91

Lincoln Ave - NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2026	50+26.14	32.91' LT	754.25	481637.52	742757.84
2027	50+31.16	32.84' LT	754.18	481637.38	742762.84
2028	50+36.17	32.78' LT	754.11	481637.25	742767.84
2029	50+38.19	32.76' LT	754.00	481637.20	742769.86
2030	50+44.82	34.77' LT	753.62	481639.13	742776.49
2031	50+48.24	38.44' LT	753.68	481642.76	742779.94
2032	50+49.79	44.11' LT	754.04	481648.41	742781.55
2033	50+49.81	47.48' LT	754.25	481651.78	742781.61
2034	50+49.79	52.48' LT	754.54	481656.78	742781.66
2035	50+49.78	57.48' LT	754.83	481661.78	742781.70
2036	50+49.76	63.48' LT	755.18	481667.78	742781.76
2037	50+54.12	63.55' LT	755.08	481667.79	742786.09
2038	50+54.20	57.55' LT	754.74	481661.79	742786.11
2039	50+54.28	52.55' LT	754.46	481656.79	742786.12
2040	50+54.35	47.55' LT	754.18	481651.79	742786.14
2041	50+49.27	57.48' LT	754.83	481661.78	742781.20
2042	50+49.28	44.11' LT	754.54	481648.42	742781.05
2043	50+47.86	38.77' LT	754.18	481643.09	742779.57
2044	50+44.51	35.15' LT	754.12	481639.51	742776.18
2045	50+36.18	33.28' LT	754.11	481637.75	742767.85
2046	50+20.22	34.38' LT	0.00	481639.07	742751.96
2047	50+32.76	38.92' LT	0.00	481643.44	742764.52
2048	50+38.00	43.78' LT	0.00	481648.23	742769.80
2049	50+42.09	53.78' LT	0.00	481658.17	742774.01
2050	50+46.20	63.77' LT	0.00	481668.12	742778.22
2051	50+38.33	44.17' LT	0.00	481648.61	742770.14



NOTES:

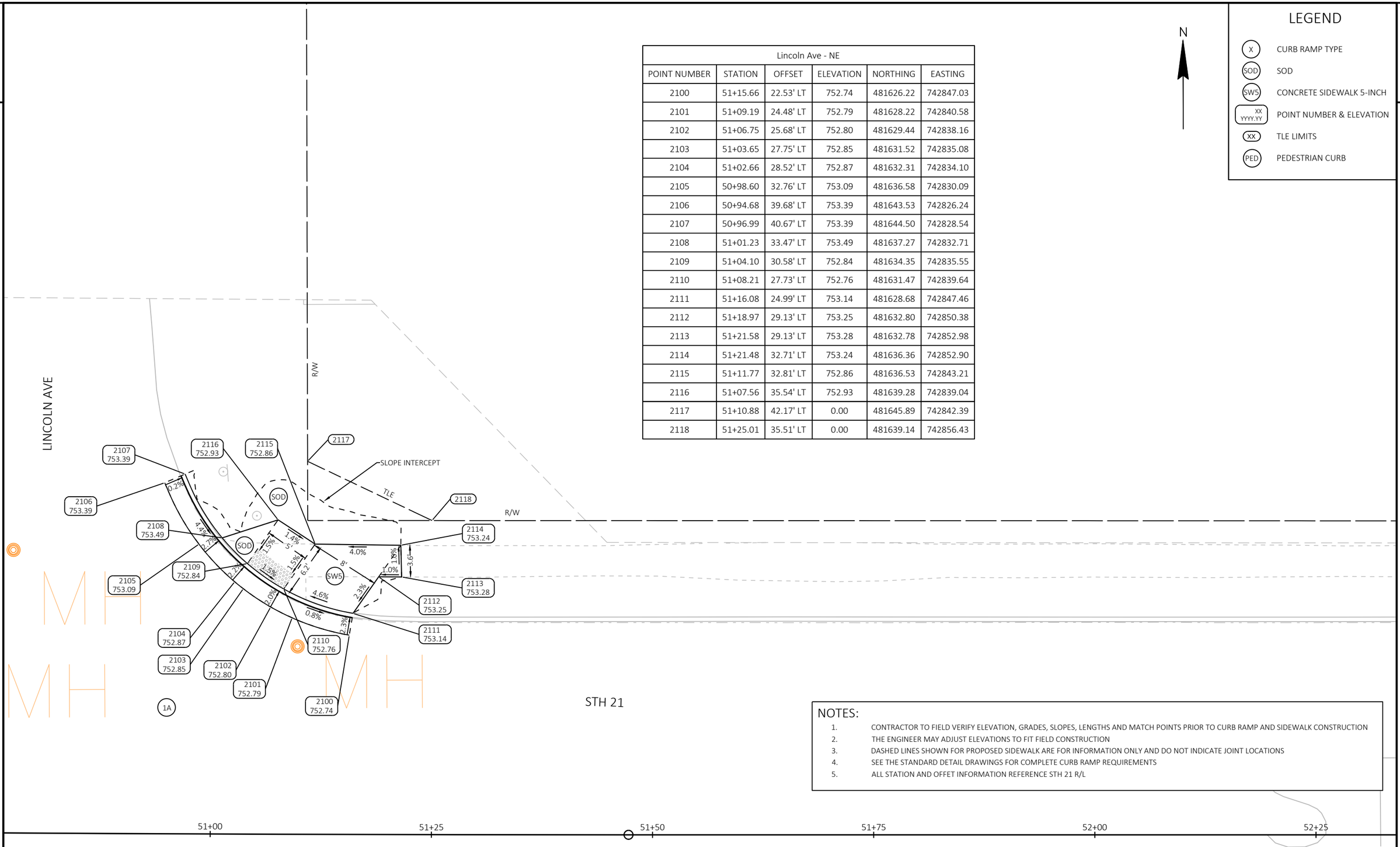
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
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5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

49+25 49+50 49+75 50+00 50+25 50+50 50

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - LINCOLN AVE NW	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 32-Lincoln-NW
PLOT DATE : 9/1/2023 11:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



Lincoln Ave - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2100	51+15.66	22.53' LT	752.74	481626.22	742847.03
2101	51+09.19	24.48' LT	752.79	481628.22	742840.58
2102	51+06.75	25.68' LT	752.80	481629.44	742838.16
2103	51+03.65	27.75' LT	752.85	481631.52	742835.08
2104	51+02.66	28.52' LT	752.87	481632.31	742834.10
2105	50+98.60	32.76' LT	753.09	481636.58	742830.09
2106	50+94.68	39.68' LT	753.39	481643.53	742826.24
2107	50+96.99	40.67' LT	753.39	481644.50	742828.54
2108	51+01.23	33.47' LT	753.49	481637.27	742832.71
2109	51+04.10	30.58' LT	752.84	481634.35	742835.55
2110	51+08.21	27.73' LT	752.76	481631.47	742839.64
2111	51+16.08	24.99' LT	753.14	481628.68	742847.46
2112	51+18.97	29.13' LT	753.25	481632.80	742850.38
2113	51+21.58	29.13' LT	753.28	481632.78	742852.98
2114	51+21.48	32.71' LT	753.24	481636.36	742852.90
2115	51+11.77	32.81' LT	752.86	481636.53	742843.21
2116	51+07.56	35.54' LT	752.93	481639.28	742839.04
2117	51+10.88	42.17' LT	0.00	481645.89	742842.39
2118	51+25.01	35.51' LT	0.00	481639.14	742856.43

N

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
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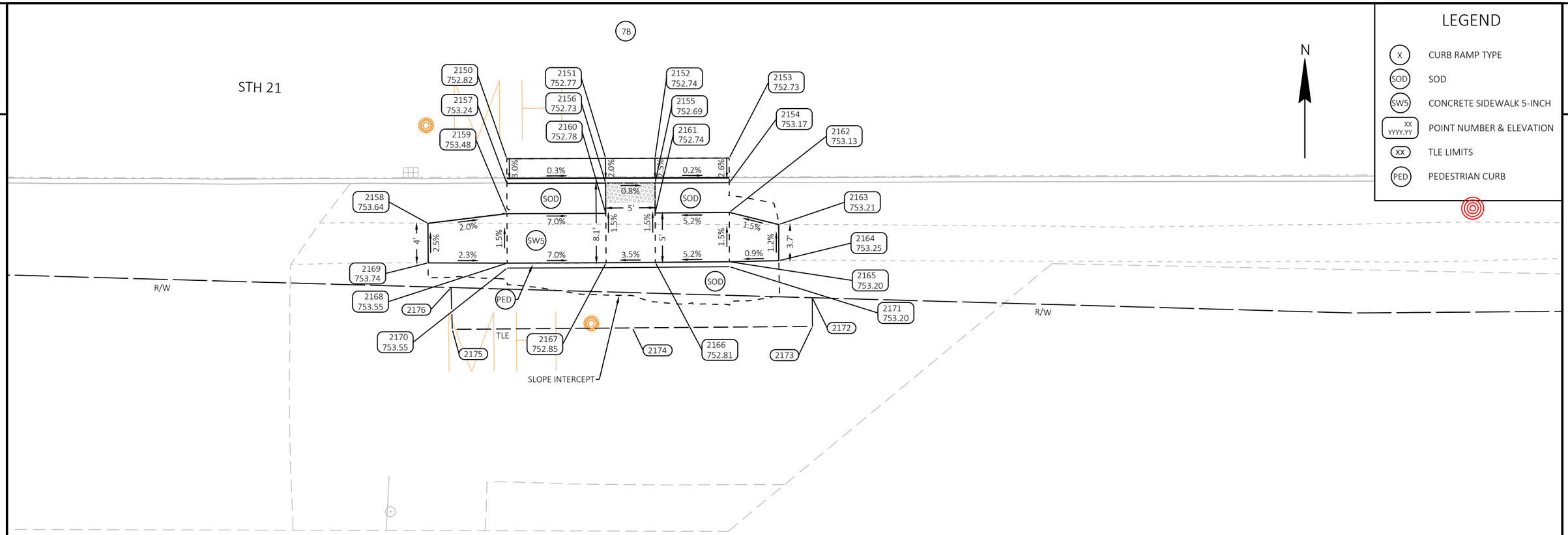
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - LINCOLN AVE NE	SHEET E

PRE_47

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\023101-CR-UTILITYPLAN.DWG
LAYOUT NAME - 33-Lincoln-NE

PLOT DATE : 9/1/2023 11:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



Lincoln Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2150	50+97.07	21.85' RT	752.82	481581.98	742828.13
2151	51+07.07	21.82' RT	752.77	481581.93	742838.14
2152	51+12.05	21.81' RT	752.74	481581.90	742843.13
2153	51+19.55	21.81' RT	752.73	481581.86	742850.64
2154	51+19.55	24.31' RT	753.17	481579.36	742850.63
2155	51+12.05	24.31' RT	752.69	481579.40	742843.11
2156	51+07.06	24.32' RT	752.73	481579.43	742838.11
2157	50+97.08	24.34' RT	753.24	481579.48	742828.11
2158	50+89.10	28.39' RT	753.64	481575.50	742820.08
2159	50+97.09	27.42' RT	753.48	481576.41	742828.10
2160	51+07.06	27.38' RT	752.78	481576.37	742838.10
2161	51+12.05	27.35' RT	752.74	481576.37	742843.10
2162	51+19.55	27.30' RT	753.13	481576.37	742850.61
2163	51+24.54	28.55' RT	753.21	481575.09	742855.60

Lincoln Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2164	51+24.53	32.21' RT	753.25	481571.43	742855.57
2165	51+19.54	32.30' RT	753.20	481571.37	742850.57
2166	51+12.06	32.35' RT	752.81	481571.37	742843.07
2167	51+07.10	32.38' RT	752.85	481571.37	742838.10
2168	50+97.10	32.42' RT	753.55	481571.41	742828.07
2169	50+89.13	32.40' RT	753.74	481571.50	742820.08
2170	50+97.10	32.92' RT	753.55	481570.91	742828.07
2171	51+19.54	32.80' RT	753.20	481570.87	742850.57
2172	51+27.90	35.97' RT	0.00	481567.65	742858.93
2173	51+27.91	38.87' RT	0.00	481564.75	742858.93
2174	51+09.74	38.98' RT	0.00	481564.75	742840.69
2175	50+91.57	39.13' RT	0.00	481564.75	742822.46
2176	50+91.45	34.89' RT	0.00	481568.98	742822.38

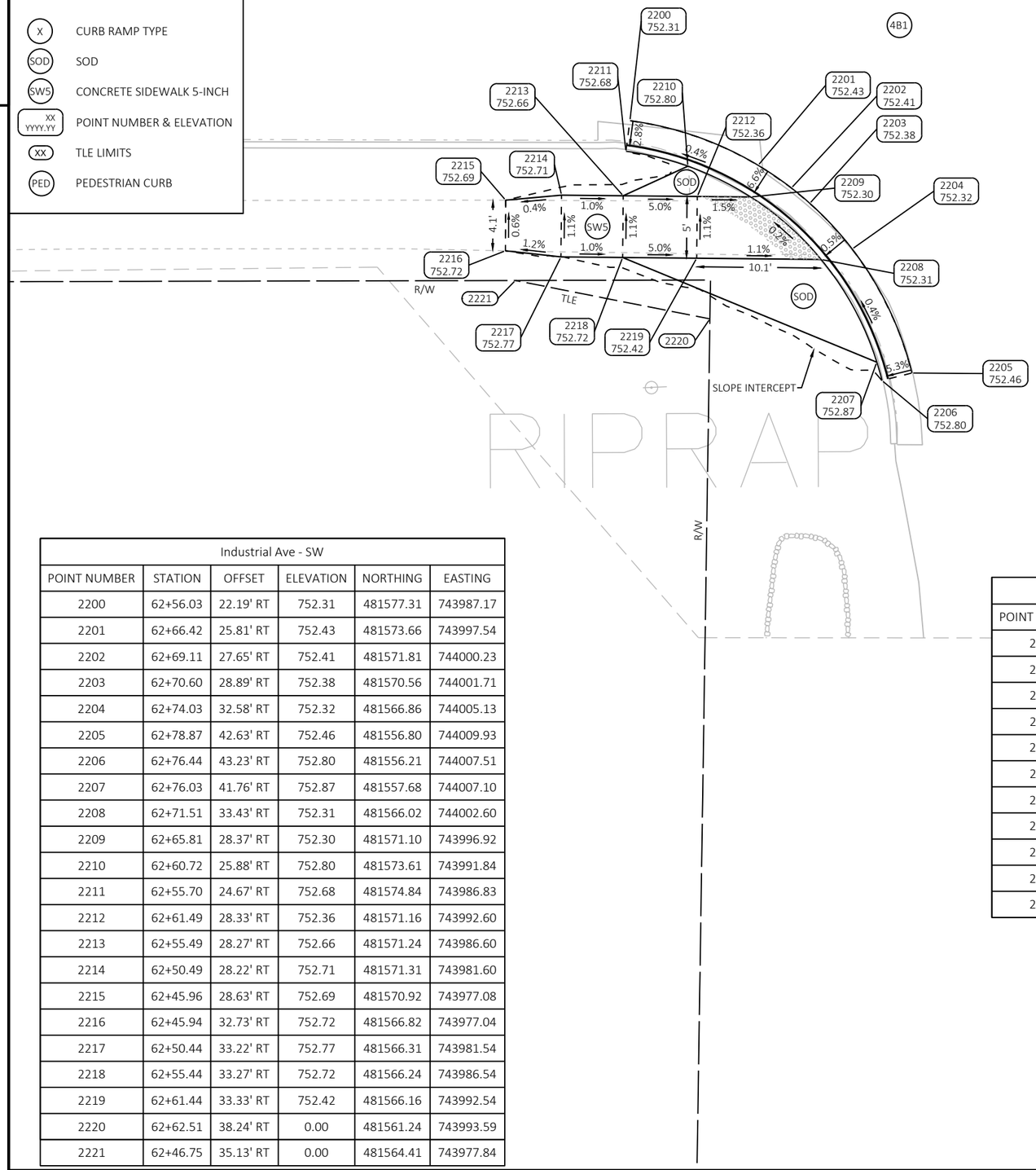
NOTES:

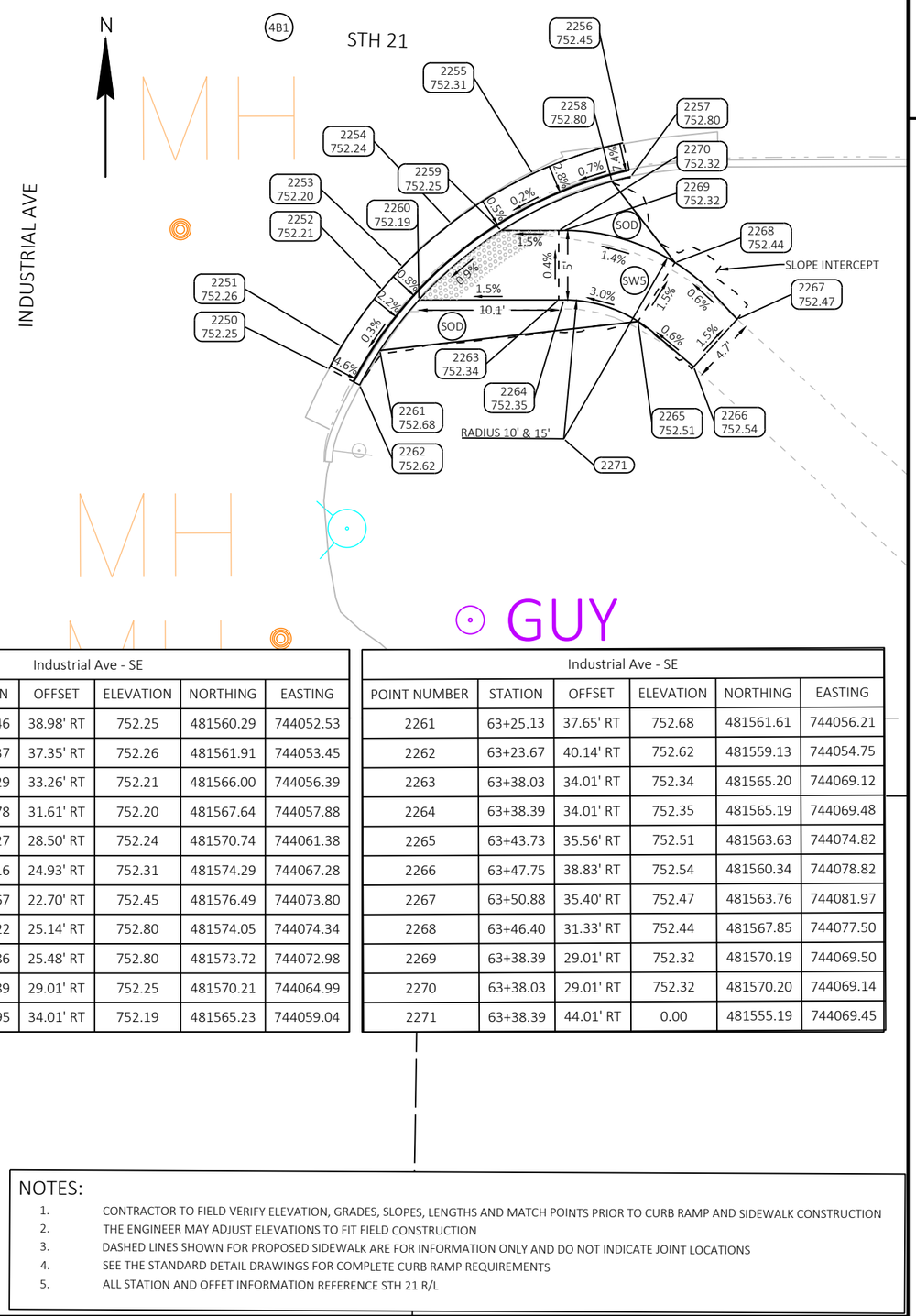
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET E

LEGEND

- X — CURB RAMP TYPE
- SOD — SOD
- SW5 — CONCRETE SIDEWALK 5-INCH
- XX / YYYY.YY — POINT NUMBER & ELEVATION
- XX — TLE LIMITS
- PED — PEDESTRIAN CURB





Industrial Ave - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2200	62+56.03	22.19' RT	752.31	481577.31	743987.17
2201	62+66.42	25.81' RT	752.43	481573.66	743997.54
2202	62+69.11	27.65' RT	752.41	481571.81	744000.23
2203	62+70.60	28.89' RT	752.38	481570.56	744001.71
2204	62+74.03	32.58' RT	752.32	481566.86	744005.13
2205	62+78.87	42.63' RT	752.46	481556.80	744009.93
2206	62+76.44	43.23' RT	752.80	481556.21	744007.51
2207	62+76.03	41.76' RT	752.87	481557.68	744007.10
2208	62+71.51	33.43' RT	752.31	481566.02	744002.60
2209	62+65.81	28.37' RT	752.30	481571.10	743996.92
2210	62+60.72	25.88' RT	752.80	481573.61	743991.84
2211	62+55.70	24.67' RT	752.68	481574.84	743986.83
2212	62+61.49	28.33' RT	752.36	481571.16	743992.60
2213	62+55.49	28.27' RT	752.66	481571.24	743986.60
2214	62+50.49	28.22' RT	752.71	481571.31	743981.60
2215	62+45.96	28.63' RT	752.69	481570.92	743977.08
2216	62+45.94	32.73' RT	752.72	481566.82	743977.04
2217	62+50.44	33.22' RT	752.77	481566.31	743981.54
2218	62+55.44	33.27' RT	752.72	481566.24	743986.54
2219	62+61.44	33.33' RT	752.42	481566.16	743992.54
2220	62+62.51	38.24' RT	0.00	481561.24	743993.59
2221	62+46.75	35.13' RT	0.00	481564.41	743977.84

Industrial Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2250	63+21.46	38.98' RT	752.25	481560.29	744052.53
2251	63+22.37	37.35' RT	752.26	481561.91	744053.45
2252	63+25.29	33.26' RT	752.21	481566.00	744056.39
2253	63+26.78	31.61' RT	752.20	481567.64	744057.88
2254	63+30.27	28.50' RT	752.24	481570.74	744061.38
2255	63+36.16	24.93' RT	752.31	481574.29	744067.28
2256	63+42.67	22.70' RT	752.45	481576.49	744073.80
2257	63+43.22	25.14' RT	752.80	481574.05	744074.34
2258	63+41.86	25.48' RT	752.80	481573.72	744072.98
2259	63+33.89	29.01' RT	752.25	481570.21	744064.99
2260	63+27.95	34.01' RT	752.19	481565.23	744059.04

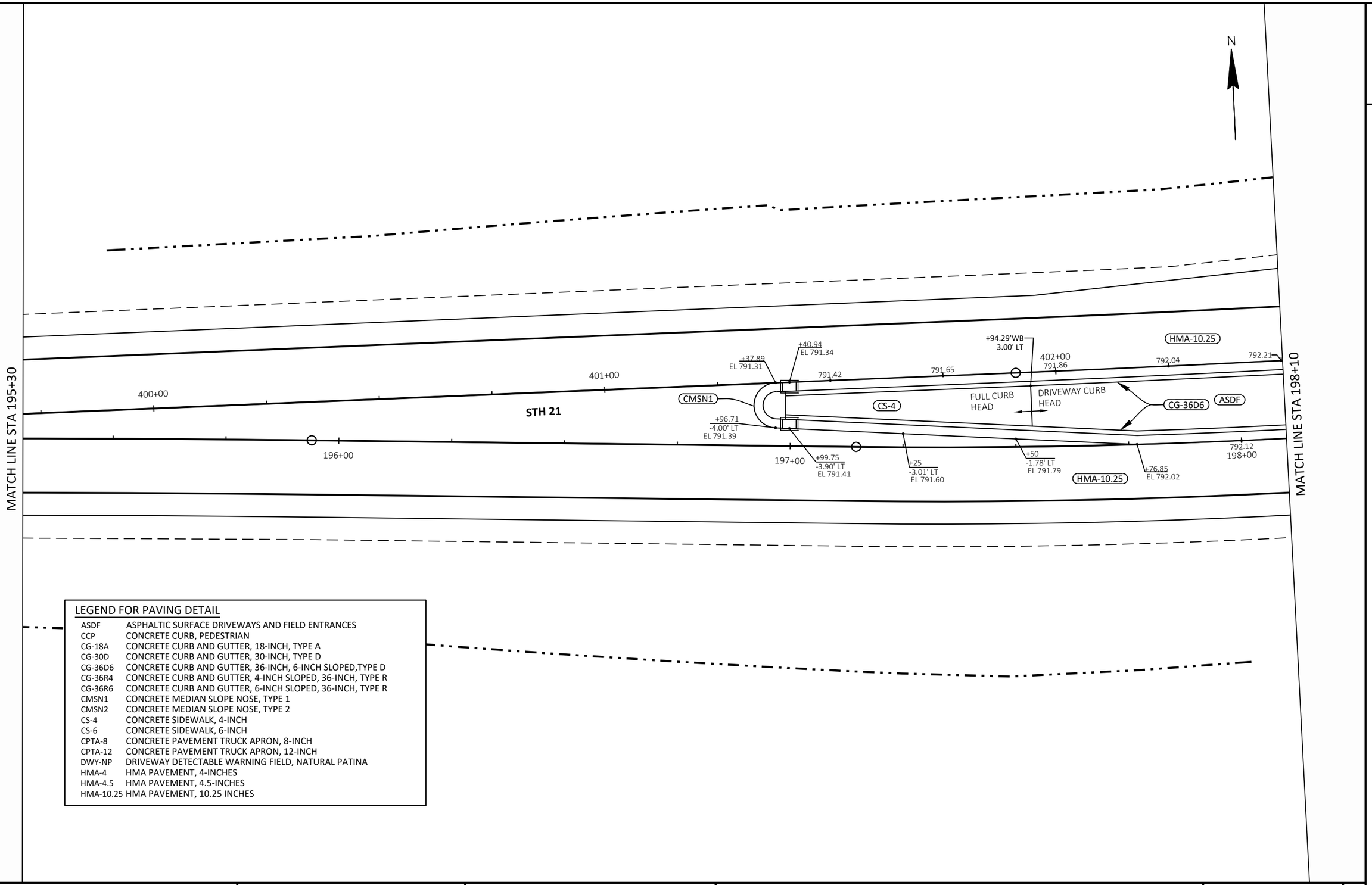
Industrial Ave - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2261	63+25.13	37.65' RT	752.68	481561.61	744056.21
2262	63+23.67	40.14' RT	752.62	481559.13	744054.75
2263	63+38.03	34.01' RT	752.34	481565.20	744069.12
2264	63+38.39	34.01' RT	752.35	481565.19	744069.48
2265	63+43.73	35.56' RT	752.51	481563.63	744074.82
2266	63+47.75	38.83' RT	752.54	481560.34	744078.82
2267	63+50.88	35.40' RT	752.47	481563.76	744081.97
2268	63+46.40	31.33' RT	752.44	481567.85	744077.50
2269	63+38.39	29.01' RT	752.32	481570.19	744069.50
2270	63+38.03	29.01' RT	752.32	481570.20	744069.14
2271	63+38.39	44.01' RT	0.00	481555.19	744069.45

NOTES:

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4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
5. ALL STATION AND OFFET INFORMATION REFERENCE STH 21 R/L

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CURB RAMP DETAILS - INDUSTRIAL AVE SW/SE	SHEET E

2



LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INT	SHEET E

PRE_50

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021212-pd

PLOT DATE : 10/2/2022 8:27 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA 198+10

MATCH LINE STA 200+98

STH 21

FUTURE TRAIL

GRAVEL

ASDF

CG-36D6

CG-30D

HMA-10.25

20'

+96.22
-20.00' LT
EL 792.08

792.10 792.23 792.38 792.55 792.64 792.86 793.02 793.11 793.35 793.60 793.88 794.09

7+00NW

CROWN LINE

+19.33
EL 794.19

CMSN2

DWF-NP

405+00
794.00

794.30

403+00
792.50

792.37 792.63 792.78 792.95 793.13 793.32 793.53 793.76

404+00

10' CURB & GUTTER TRANSITION

DRIVEWAY CURB HEAD

FULL CURB HEAD

CS-4

CS-6

CCP

794.32

793.57 793.87 794.20

793.30
200+00

793.07

792.22 792.32 792.42 792.54
199+00 792.68 792.86

+60.20'
-2.50' RT

+39.40'
-2.50' RT

+41.06
EL 793.07

793.19 793.56

792.89

792.73

CPTA-8

CG-36R4

11'

3+00SW
794.00

794.18

793.48 793.54 793.91

+44.57'
14.00' RT

794.36 794.55 794.76 794.40 794.70

+80.77
EL 794.28

794.35

+36.60'
12.30' RT

794.82

R98'
STA 2+70.08
112.00' RT

R60'
STA 3+67.40
69.5' RT

LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

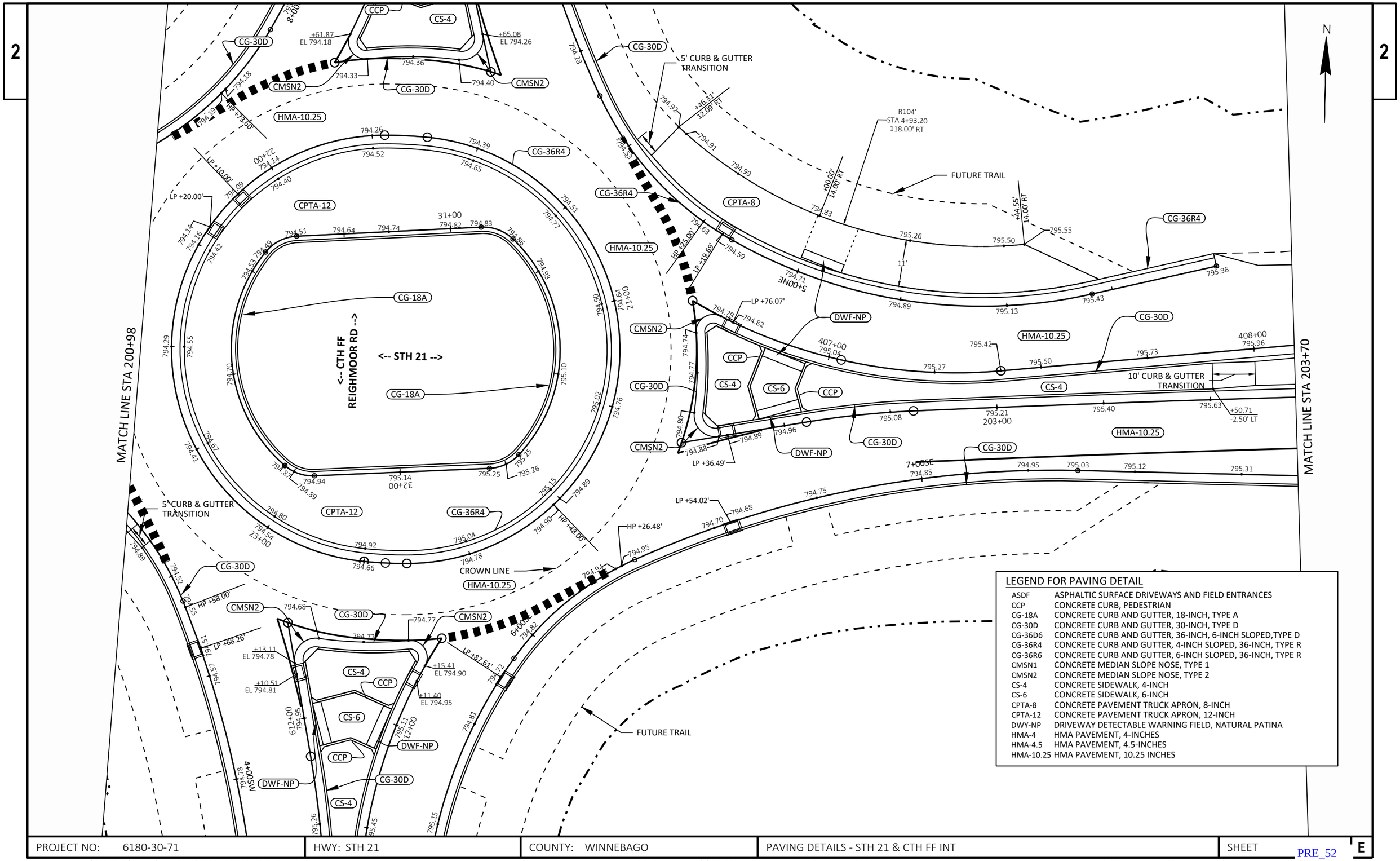
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INT	SHEET E

PRE_51

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021213-pd

PLOT DATE : 10/2/2022 8:27 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42



LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INT	SHEET E

PRE_52

2

N

2

MATCH LINE STA 203+70

MATCH LINE STA 206+50

+13.89
EL 796.09

796.15

796.43

796.66

409+00
796.88

STH 21

797.09

797.28

HMA-10.25

+63.93
0.00
EL 797.38

+99.99
2.33' RT
EL 797.53

410+00

+25
3.44' RT
EL 797.64

+42.14
3.96' RT
EL 797.77

CS-4

CG-36D6

CMSN1

795.86

796.09
204+00

796.32

796.55

796.77

796.98
205+00

797.18

797.36

797.53

206+00

+01.34
EL 797.69

HMA-10.25

CG-30D

795.81 OOSE

795.72

LEGEND FOR PAVING DETAIL	
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INT	SHEET E

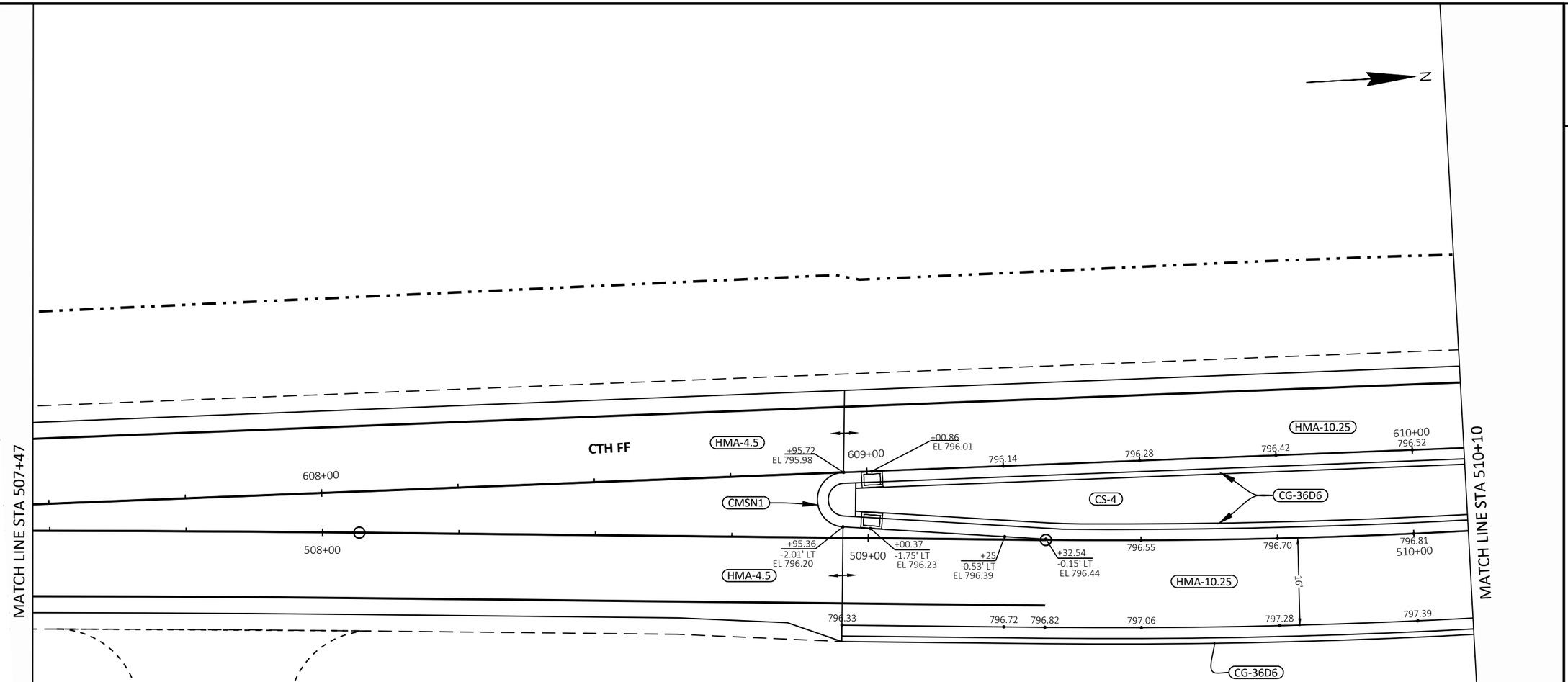
PRE_53

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021215-pd

PLOT DATE : 10/2/2022 8:27 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

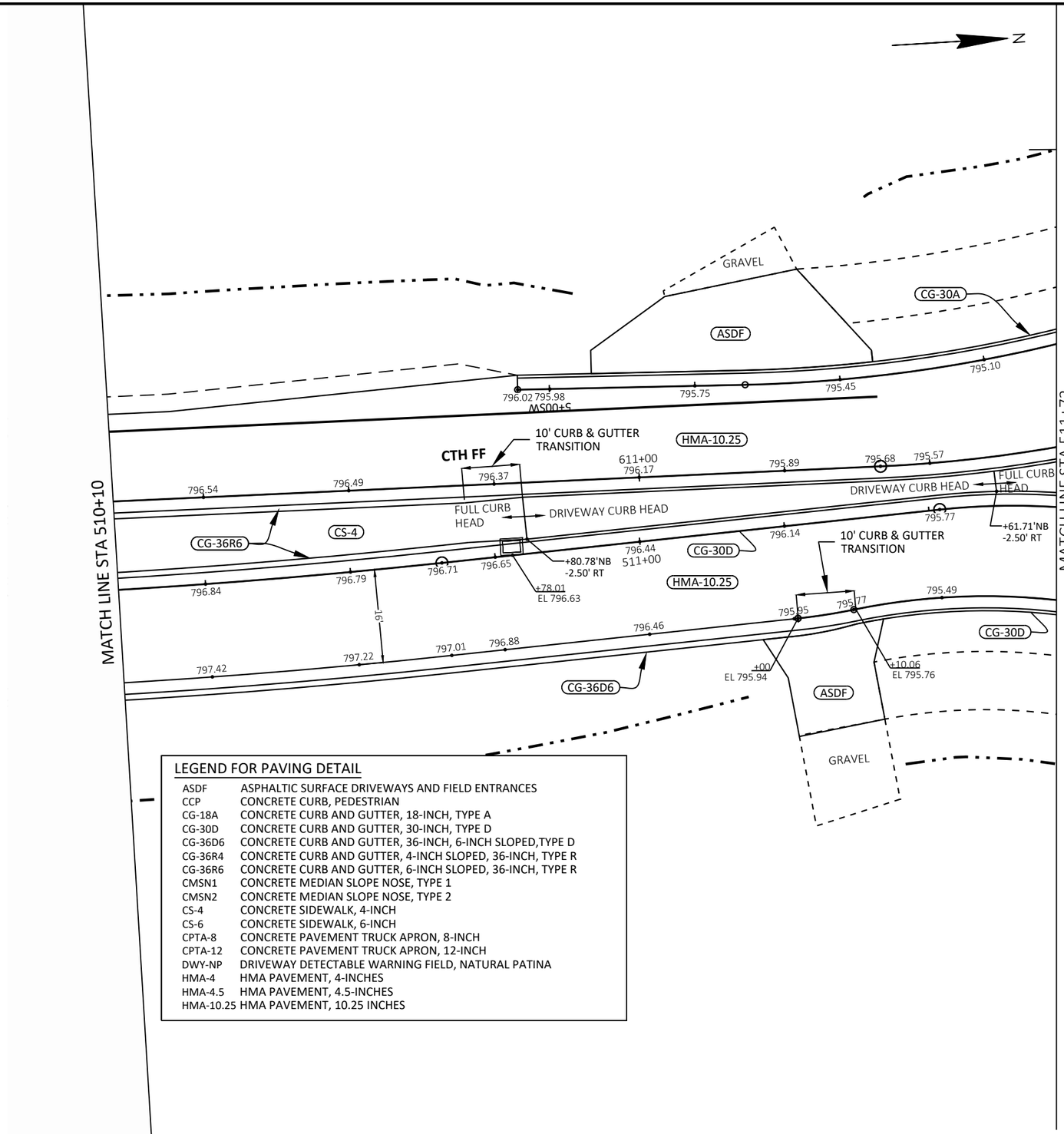


LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INT	SHEET E

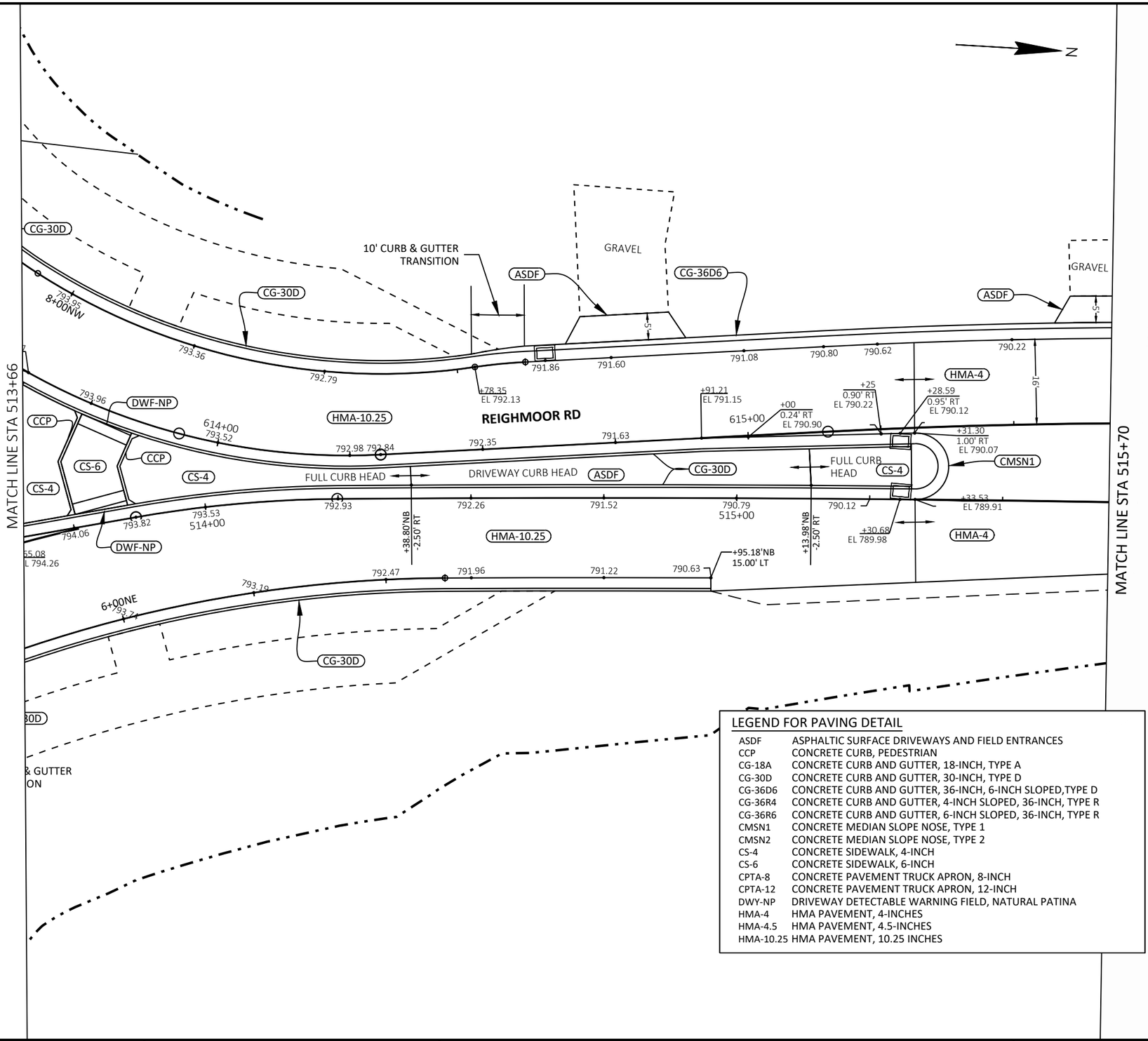
PRE_54



LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

2



LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INT	SHEET E

PRE_56

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021224-pd

PLOT DATE : 10/2/2022 8:28 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

2

N

GRAVEL

ASDF 5

ASDF 5

789.68 789.22 788.81 788.43 788.00 787.38

REIGHMOOR RD

16

CG-36D6

+05.73
-16.00' LT
EL 787.23

616+00 617+00 618+00

HMA-4

516+00 517+00 518+00

MATCH LINE STA 515+70

MATCH LINE STA 518+50

ASDF

LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & CTH FF INT	SHEET E

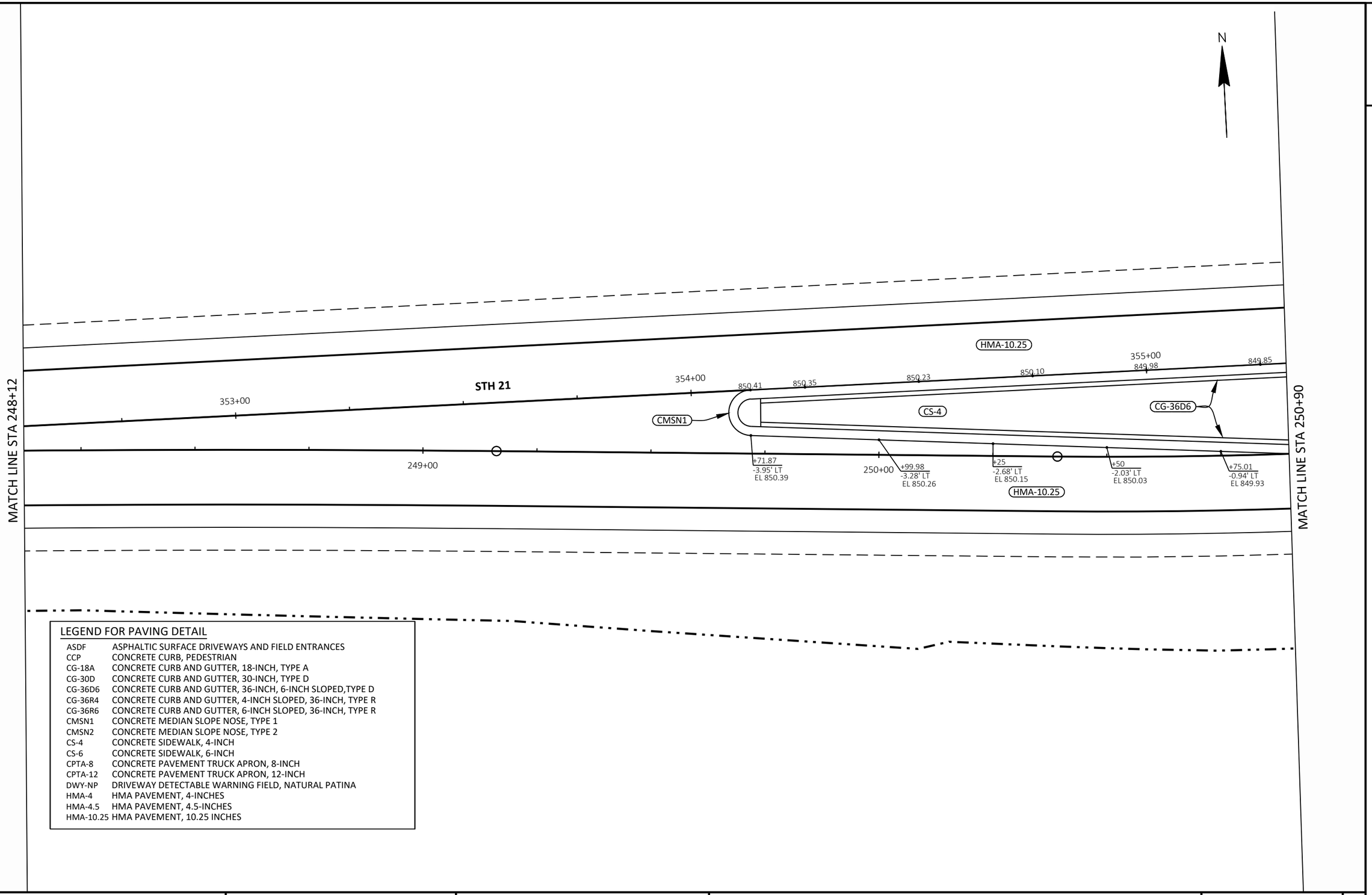
FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021225-pd

PLOT DATE : 10/2/2022 8:28 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

PRE_57

WISDOT/CADDS SHEET 42

2



LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

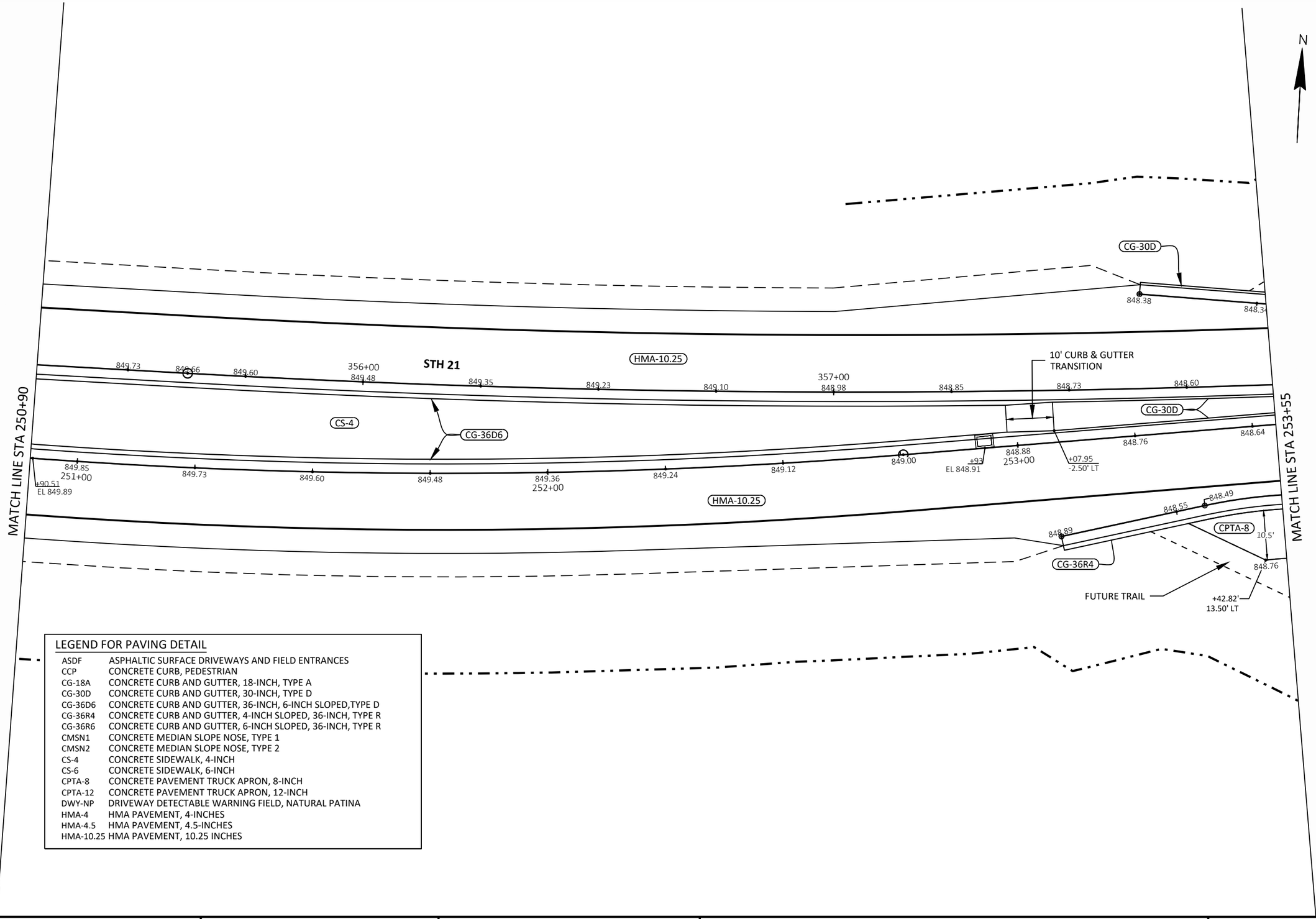
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INT	SHEET E

PRE_58

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021232-pd

PLOT DATE : 10/2/2022 8:28 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



LEGEND FOR PAVING DETAIL

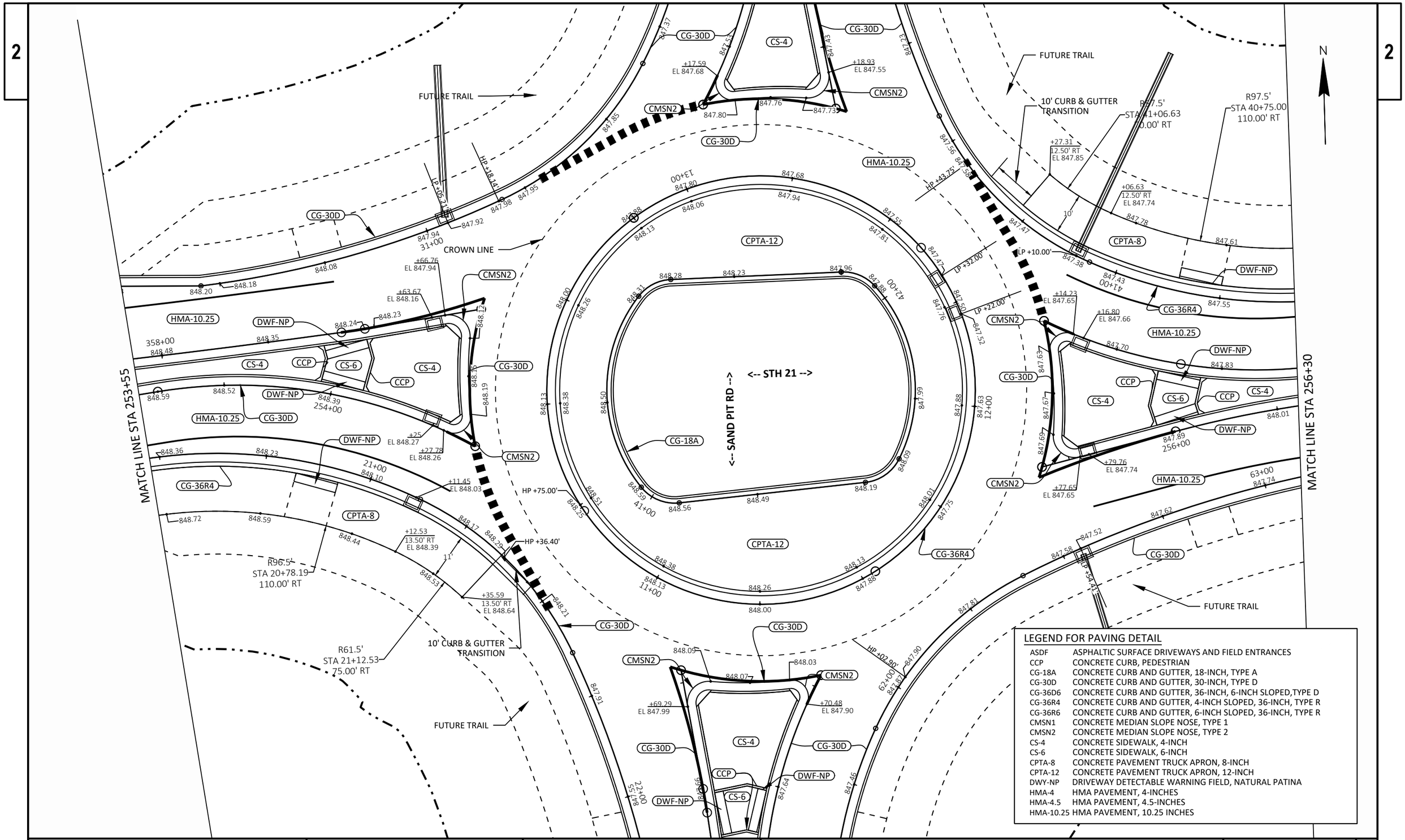
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INT	SHEET E

PRE_59

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021233-pd
PLOT DATE : 10/2/2022 8:28 AM
PLOT BY : RYAN BETKER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INT	SHEET E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021234-pd

PLOT DATE : 10/2/2022 8:28 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

N

MATCH LINE STA 256+30

MATCH LINE STA 258+70

FUTURE TRAIL

+41.01
12.50' RT
EL 848.12

848.05

10'

CPTA-8

847.70

847.93

848.27

CG-36R4

HMA-10.25

STH 21

+97.54
EL 848.34

363+00

848.76

362+00

848.49

848.51

848.49

848.43

+30
EL 848.23

+44.43
2.50' RT

361+00

848.08

847.85

848.20

848.33

848.36

848.43

CG-30D

CS-4

CG-36D6

848.14

848.26

848.38

257+00

848.46

848.49

848.49

848.44

258+00

848.36

848.23

10' CURB & GUTTER
TRANSITION

HMA-10.25

847.99

847.89

848.02

CG-30D

848.10

848.15

FUTURE TRAIL

LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INT	SHEET E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021235-pd

PLOT DATE : 10/2/2022 8:28 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

PRE_61

2

N

MATCH LINE STA 258+70

+25
1.75' RT
EL 848.17

+50
2.79' RT
EL 848.02

HMA-10.25

+75
3.32' RT
EL 847.89

+00
3.72' RT
EL 847.77

364+00

+03.92
3.78' RT
EL 847.75

+13.82
3.94' RT
EL 847.71

STH 21

365+00

+17.57
4.00' RT
EL 847.68

CG-36D6

CS-4

CMSN1

848.11

847.98
259+00

847.86

847.73

+78.49
EL 847.59

260+00

HMA-10.25

+75
EL 847.61

MATCH LINE STA 260+86

LEGEND FOR PAVING DETAIL

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

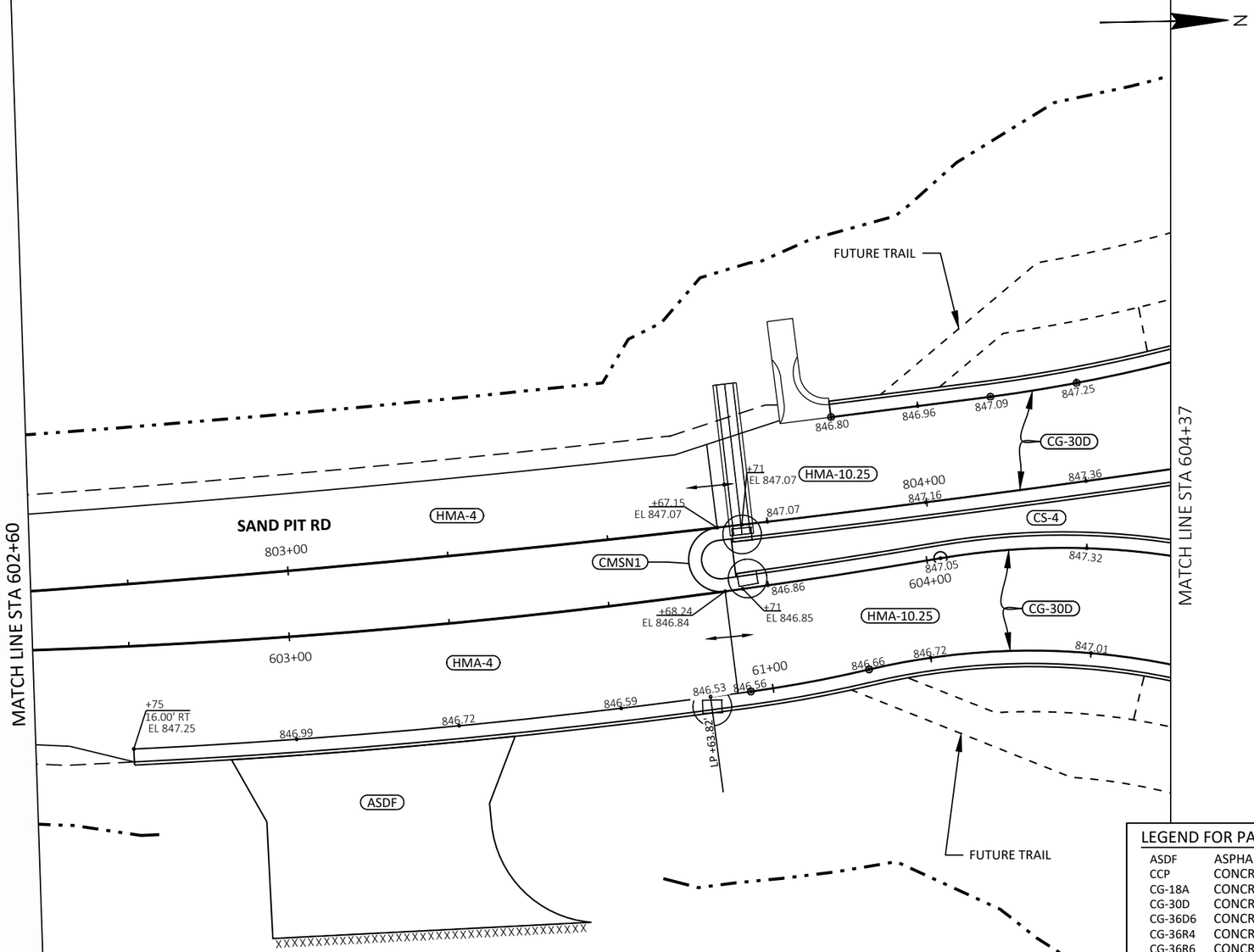
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INT	SHEET E

PRE_62

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021236-pd

PLOT DATE : 10/2/2022 8:28 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



LEGEND FOR PAVING DETAIL

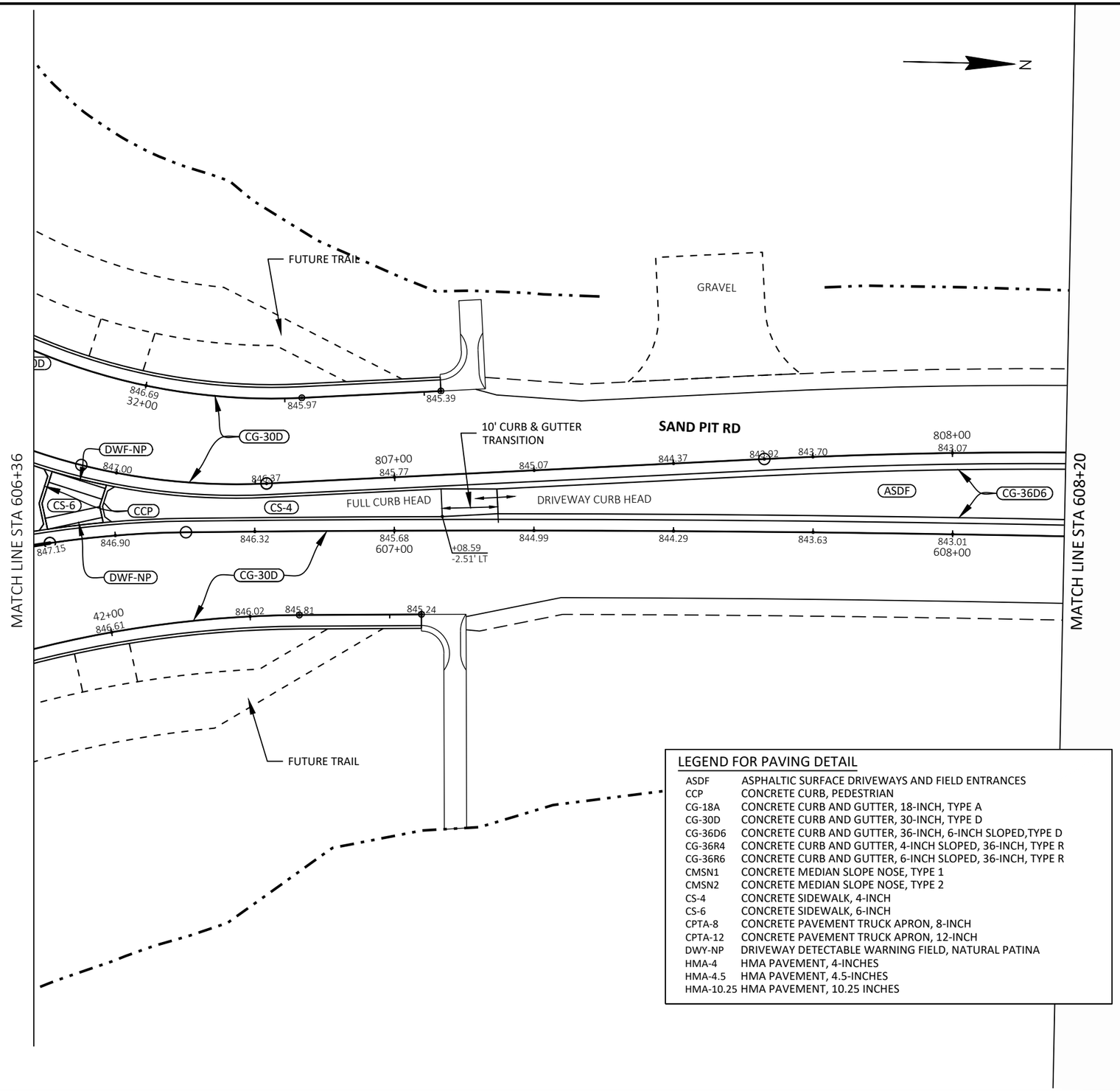
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INT	SHEET E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021242-pd
PLOT DATE : 10/2/2022 8:28 AM
PLOT BY : RYAN BETKER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

PRE_63

2



LEGEND FOR PAVING DETAIL

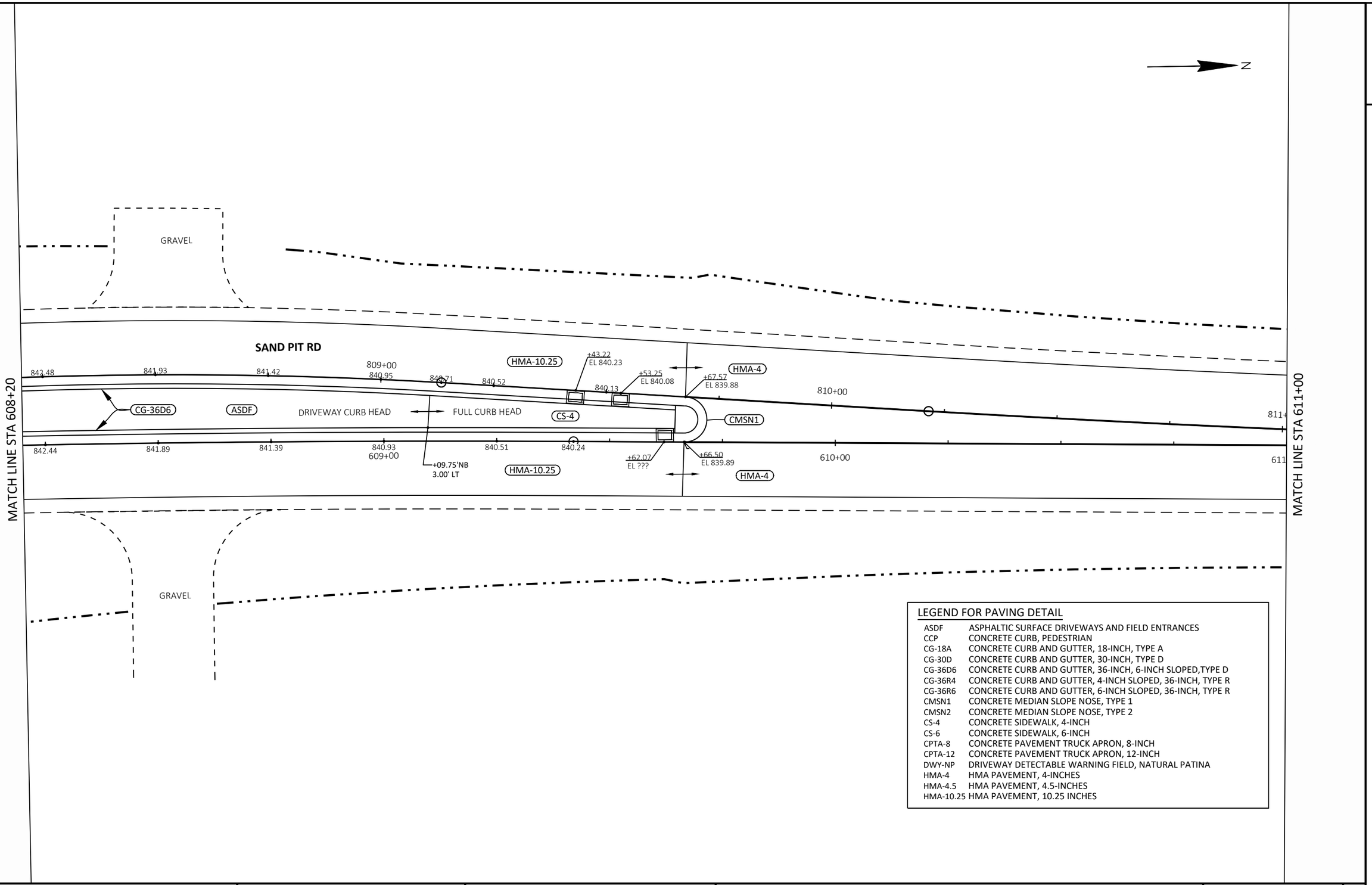
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INT	SHEET E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021243-pd

PLOT DATE : 10/2/2022 8:29 AM PLOT BY : RYAN BETKER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



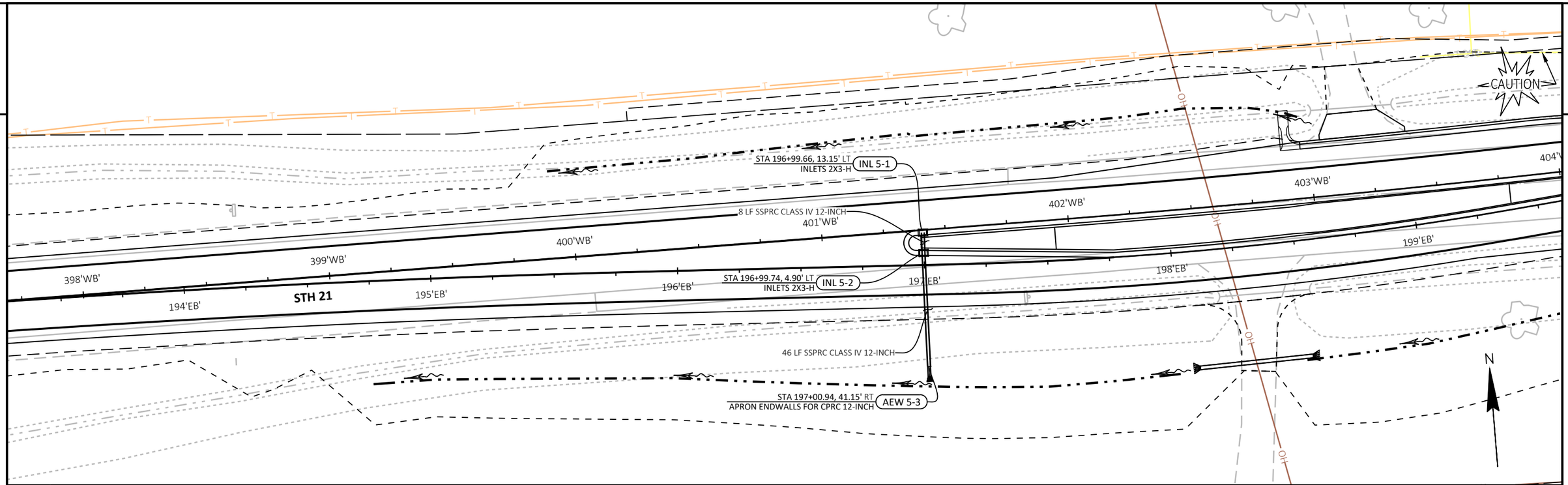
LEGEND FOR PAVING DETAIL

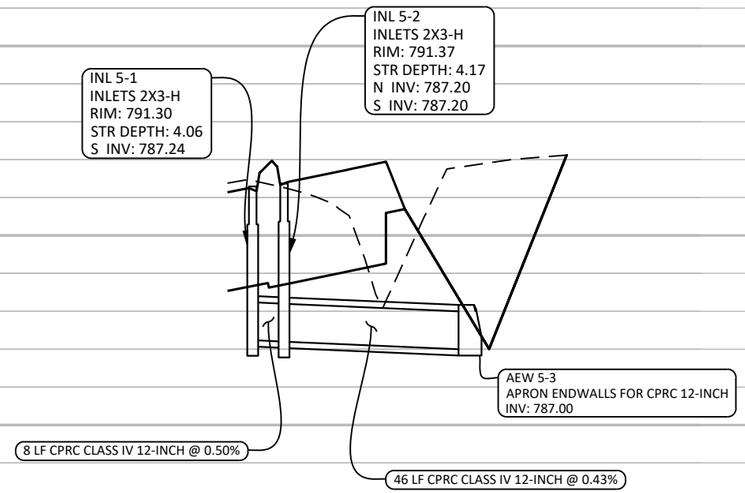
ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCP	CONCRETE CURB, PEDESTRIAN
CG-18A	CONCRETE CURB AND GUTTER, 18-INCH, TYPE A
CG-30D	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
CG-36D6	CONCRETE CURB AND GUTTER, 36-INCH, 6-INCH SLOPED,TYPE D
CG-36R4	CONCRETE CURB AND GUTTER, 4-INCH SLOPED, 36-INCH, TYPE R
CG-36R6	CONCRETE CURB AND GUTTER, 6-INCH SLOPED, 36-INCH, TYPE R
CMSN1	CONCRETE MEDIAN SLOPE NOSE, TYPE 1
CMSN2	CONCRETE MEDIAN SLOPE NOSE, TYPE 2
CS-4	CONCRETE SIDEWALK, 4-INCH
CS-6	CONCRETE SIDEWALK, 6-INCH
CPTA-8	CONCRETE PAVEMENT TRUCK APRON, 8-INCH
CPTA-12	CONCRETE PAVEMENT TRUCK APRON, 12-INCH
DWY-NP	DRIVEWAY DETECTABLE WARNING FIELD, NATURAL PATINA
HMA-4	HMA PAVEMENT, 4-INCHES
HMA-4.5	HMA PAVEMENT, 4.5-INCHES
HMA-10.25	HMA PAVEMENT, 10.25 INCHES

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PAVING DETAILS - STH 21 & SAND PIT RD INT	SHEET E

FILE NAME : N:\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-021200-PD.DWG
LAYOUT NAME - 61803071-021244-pd
PLOT DATE : 10/2/2022 8:29 AM
PLOT BY : RYAN BETKER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

2





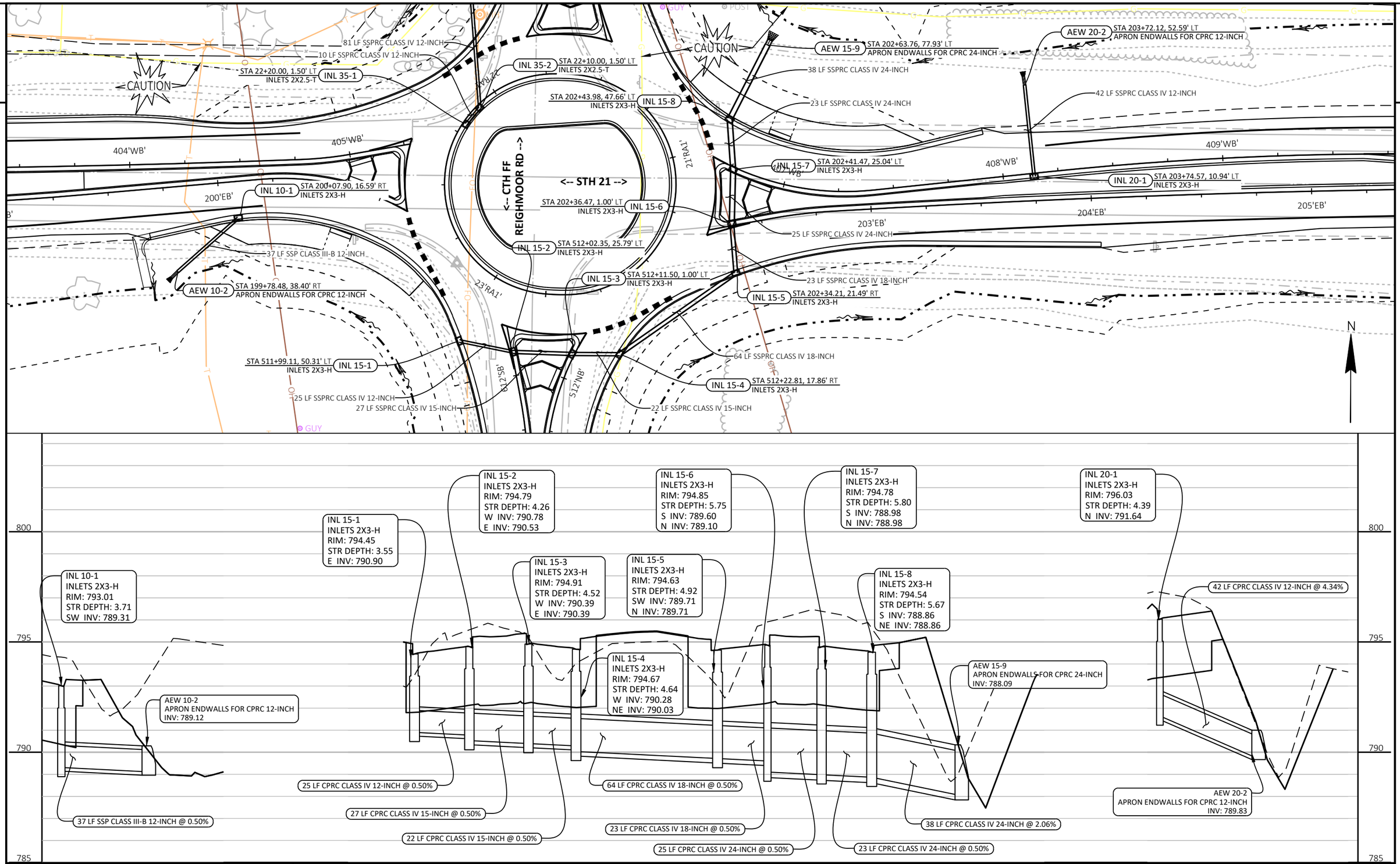
795 790 785 780

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & CTH FF	SHEET E

PRE_66

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022511-ss

PLOT DATE : 9/6/2023 9:57 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT



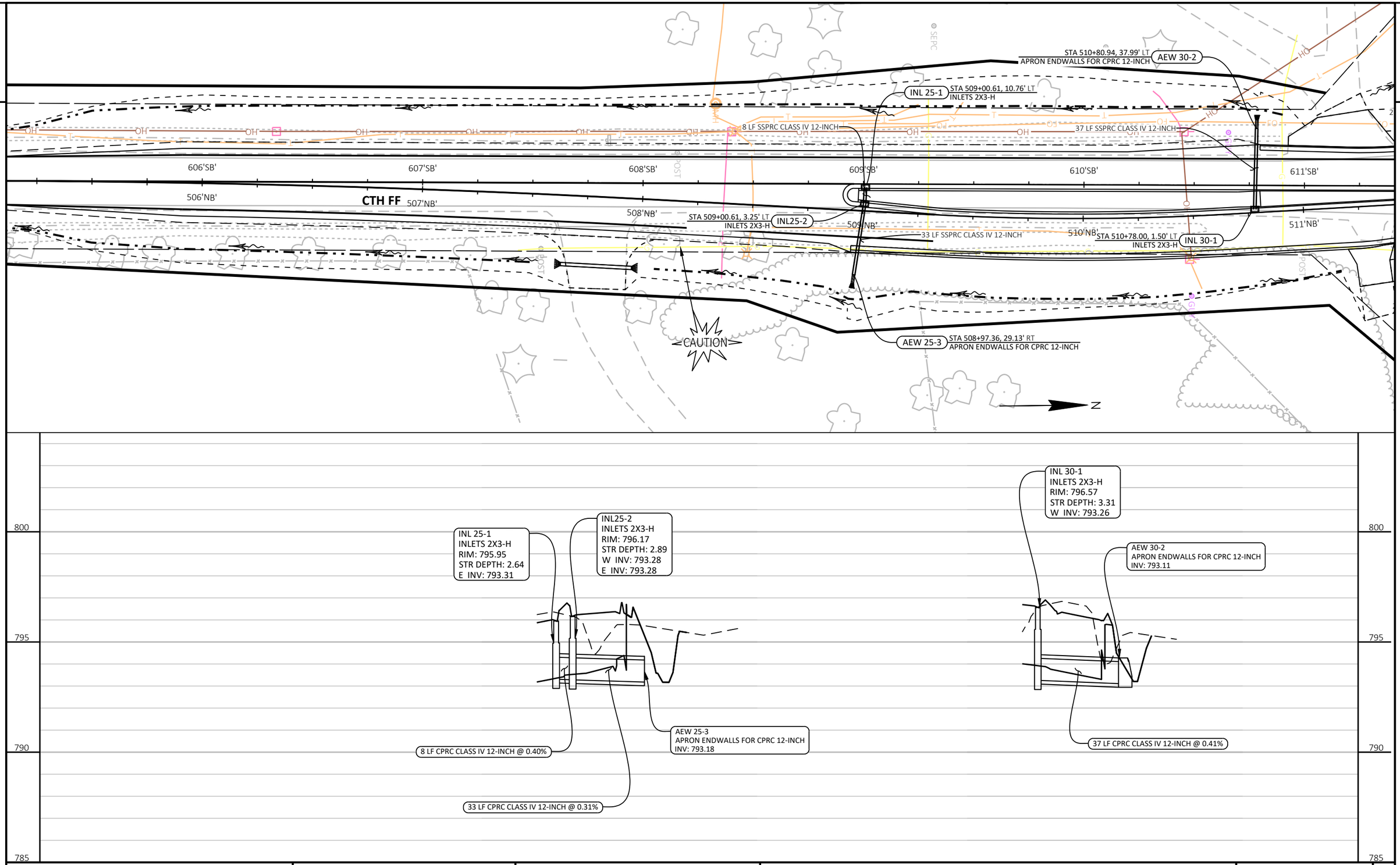
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & CTH FF	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022512-ss

PLOT DATE : 9/6/2023 9:48 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_67

WISDOT/CADDS SHEET 41



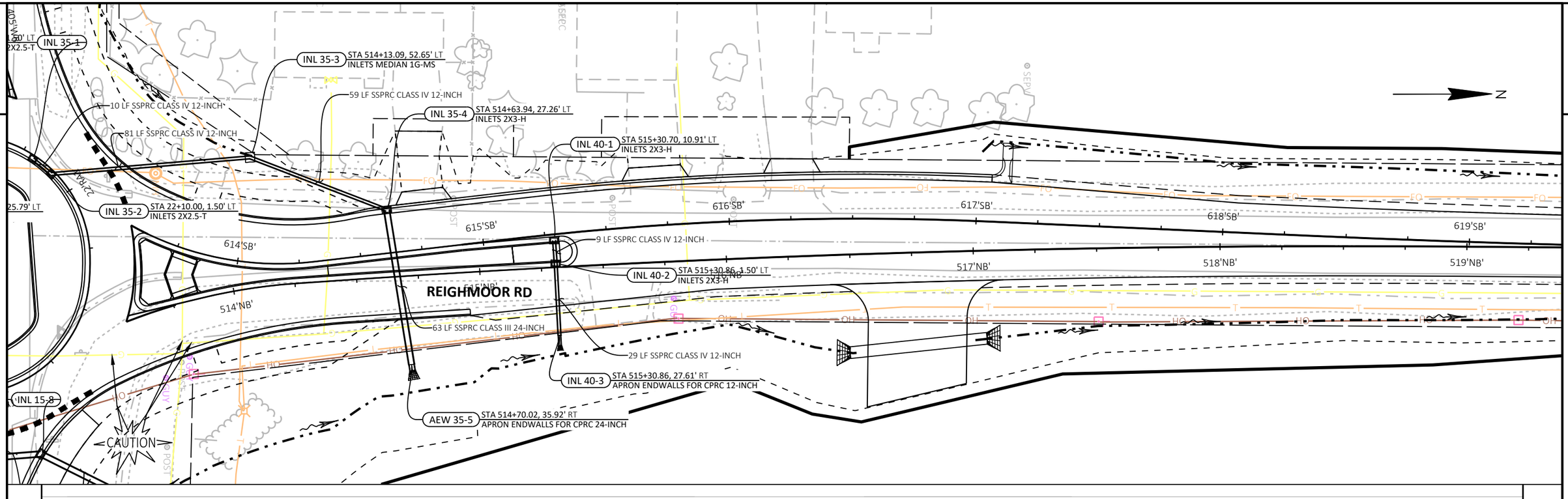
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - CTH FF-REIGHMOOR RD	SHEET E

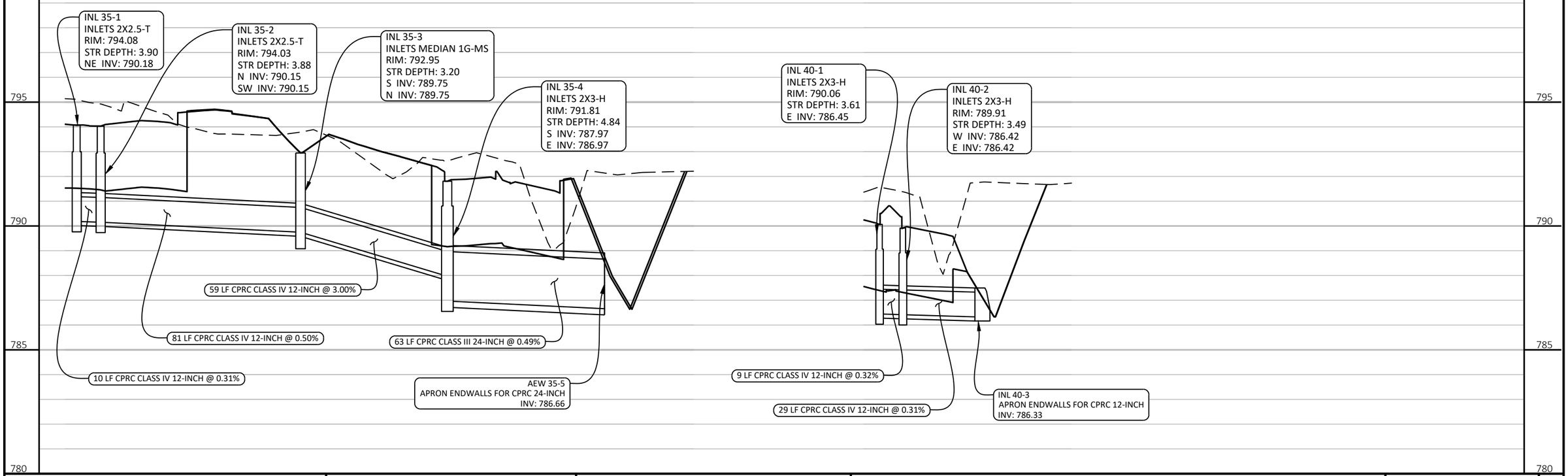
PRE_68

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022521-ss

PLOT DATE : 9/6/2023 9:48 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41





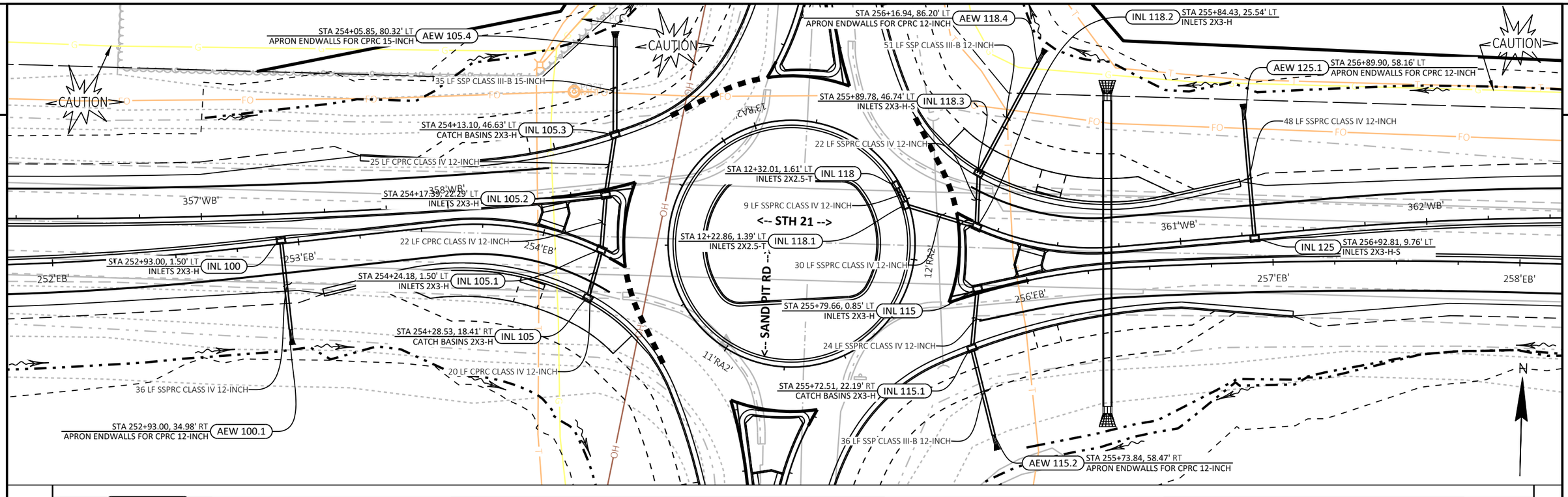
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - CTH FF-REIGHMOOR RD	SHEET E

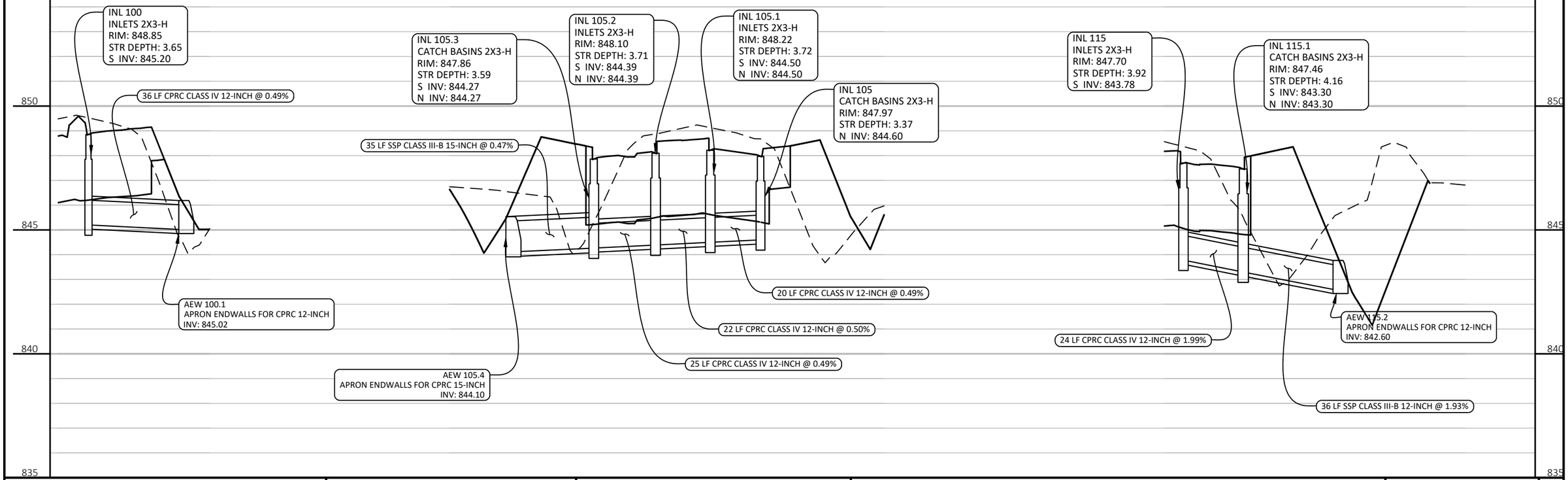
PRE_69

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022522-ss

PLOT DATE : 9/6/2023 9:49 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41





PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & SAND PIT RD	SHEET E

PRE_70

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022531-ss

PLOT DATE : 9/6/2023 9:49 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA 254+05.85, 80.32' LT
APRON ENDWALLS FOR CPRC 15-INCH
AEW 105.4

35 LF SSP CLASS III-B 15-INCH

STA 254+13.10, 46.63' LT
CATCH BASINS 2X3-H
INL 105.3

25 LF CPRC CLASS IV 12-INCH

STA 254+17.39, 22.29' LT
INLETS 2X3-H
INL 105.2

22 LF CPRC CLASS IV 12-INCH

STA 252+93.00, 1.50' LT
INLETS 2X3-H
INL 100

STA 254+24.18, 1.50' LT
INLETS 2X3-H
INL 105.1

STA 254+28.53, 18.41' RT
CATCH BASINS 2X3-H
INL 105

20 LF CPRC CLASS IV 12-INCH

36 LF SSPRC CLASS IV 12-INCH

STA 252+93.00, 34.98' RT
APRON ENDWALLS FOR CPRC 12-INCH
AEW 100.1

CAUTION

CAUTION

CAUTION

357'WB'

358'WB'

252'EB'

253'EB'

254'EB'

OH

13'RA2'

STA 256+16.94, 86.20' LT
APRON ENDWALLS FOR CPRC 12-INCH
AEW 118.4

51 LF SSP CLASS III-B 12-INCH

STA 255+89.78, 46.74' LT
INLETS 2X3-H-S
INL 118.3

22 LF SSPRC CLASS IV 12-INCH

STA 12+32.01, 1.61' LT
INLETS 2X2.5-T
INL 118

9 LF SSPRC CLASS IV 12-INCH

<-- STH 21 -->

STA 12+22.86, 1.39' LT
INLETS 2X2.5-T
INL 118.1

30 LF SSPRC CLASS IV 12-INCH

<-- SAND PIT RD --

12'RA2'

STA 255+79.66, 0.85' LT
INLETS 2X3-H
INL 115

24 LF SSPRC CLASS IV 12-INCH

11'RA2'

STA 255+72.51, 22.19' RT
CATCH BASINS 2X3-H
INL 115.1

36 LF SSP CLASS III-B 12-INCH

AEW 115.2
STA 255+73.84, 58.47' RT
APRON ENDWALLS FOR CPRC 12-INCH

INL 118.2
STA 255+84.43, 25.54' LT
INLETS 2X3-H

AEW 125.1
STA 256+89.90, 58.16' LT
APRON ENDWALLS FOR CPRC 12-INCH

48 LF SSPRC CLASS IV 12-INCH

INL 125
STA 256+92.81, 9.76' LT
INLETS 2X3-H-S

361'WB'

362'WB'

256'EB'

257'EB'

258'EB'

N

INL 118
INLETS 2X2.5-T
RIM: 847.40
STR DEPTH: 4.15
SE INV: 843.25

INL 118.1
INLETS 2X2.5-T
RIM: 847.46
STR DEPTH: 4.39
NW INV: 843.07
E INV: 843.07

INL 118.2
INLETS 2X3-H
RIM: 847.60
STR DEPTH: 5.13
W INV: 842.47
N INV: 842.47

INL 118.3
INLETS 2X3-H-S
RIM: 847.32
STR DEPTH: 5.27
S INV: 842.05

51 LF SSP CLASS III-B 12-INCH @ 4.80%

AEW 118.4
APRON ENDWALLS FOR CPRC 12-INCH
INV: 839.60

22 LF CPRC CLASS IV 12-INCH @ 1.92%

30 LF CPRC CLASS IV 12-INCH @ 1.98%

9 LF CPRC CLASS IV 12-INCH @ 2.03%

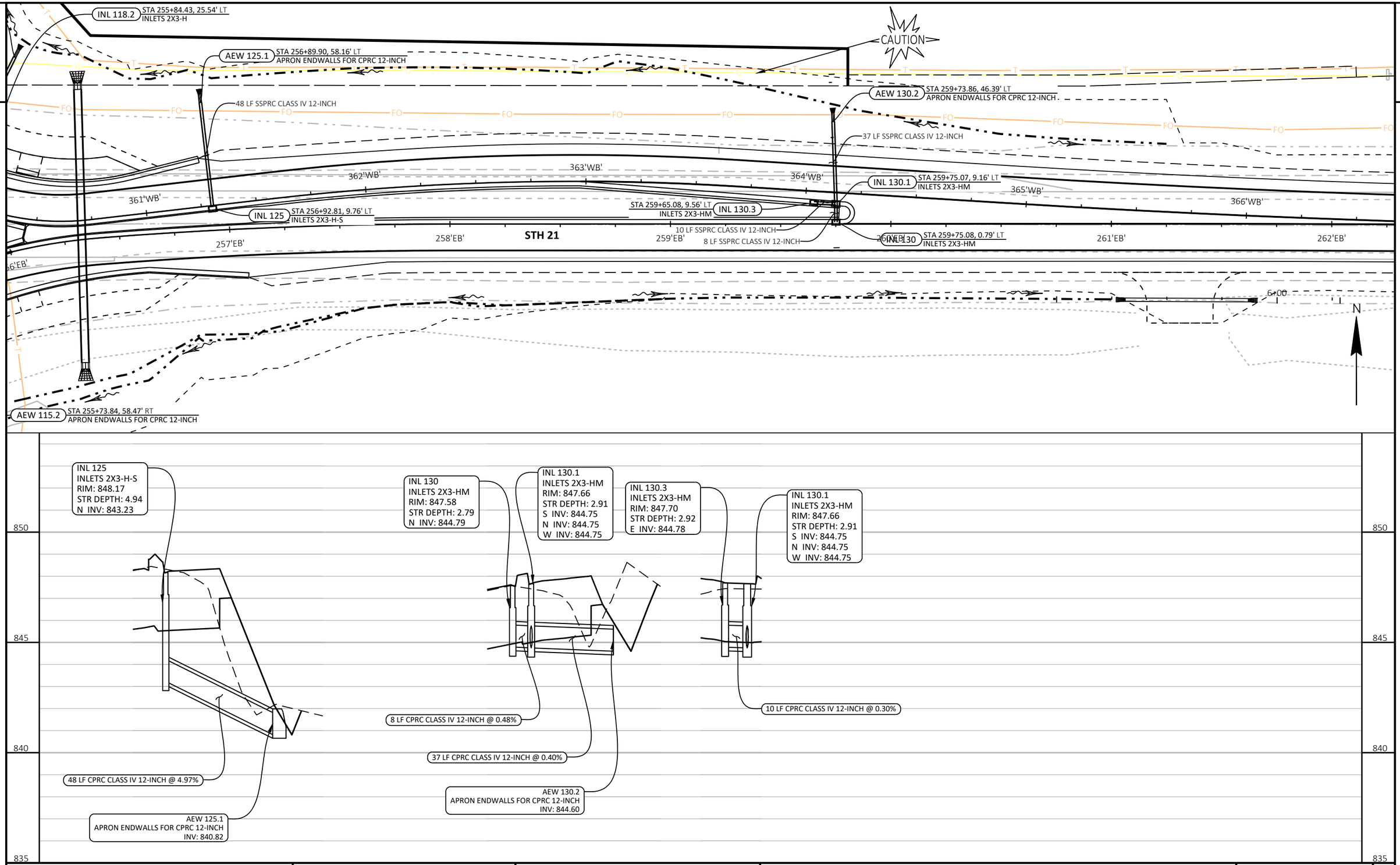
850
845
840
835

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & SAND PIT RD	SHEET E

PRE_71

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022532-ss

PLOT DATE : 9/6/2023 9:49 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - STH 21 & SAND PIT RD	SHEET E

2

CAUTION

SAND PIT RD

599'NB' 600'NB' 601'NB' 602'NB'

801'SB' 802'SB' 803'SB' 804'SB'

STA 603+72.67, 31.97' LT
APRON ENDWALLS FOR CPRC 36-INCH
AEW 110

24 LF SSPRC CLASS IV 36-INCH

STA 603+72.07, 8.41' LT
CATCH BASINS 5-H
INL 110.1

7 LF CPRC CLASS IV 36-INCH

621 LF CPRC CLASS IV 36-INCH

STA 603+71.96, 1.50' LT
CATCH BASINS 5-H
INL 110.2

INL 110.3
STA 603+63.89, 17.50' RT
CATCH BASINS 5-H-S
12 LF CPRC CLASS IV 36-INCH

6+00

STA 255+72.51, 22.19
CATCH BASINS 2

36 LF SSP CLASS III-B 12

STA 603+64.17, 29.48' RT
APRON ENDWALLS FOR CPRC 36-INCH
AEW 110.4

CAUTION

N

850
845
840
835

INL 110.2
MH 5-H
RIM: 846.79
STR DEPTH: 4.57
W INV: 842.22
E INV: 842.22

INL 110.3
MH 5-H-S
RIM: 846.47
STR DEPTH: 4.37
W INV: 842.10
E INV: 842.10

INL 110.1
MH 5-H
RIM: 847.01
STR DEPTH: 4.75
E INV: 842.26
W INV: 842.26

AEW 110.4
APRON ENDWALLS FOR CPRC 36-INCH
INV: 841.99

AEW 110
APRON ENDWALLS FOR CPRC 36-INCH
INV: 842.39

12 LF CPRC CLASS IV 36-INCH @ 0.92%

21 LF CPRC CLASS IV 36-INCH @ 0.58%

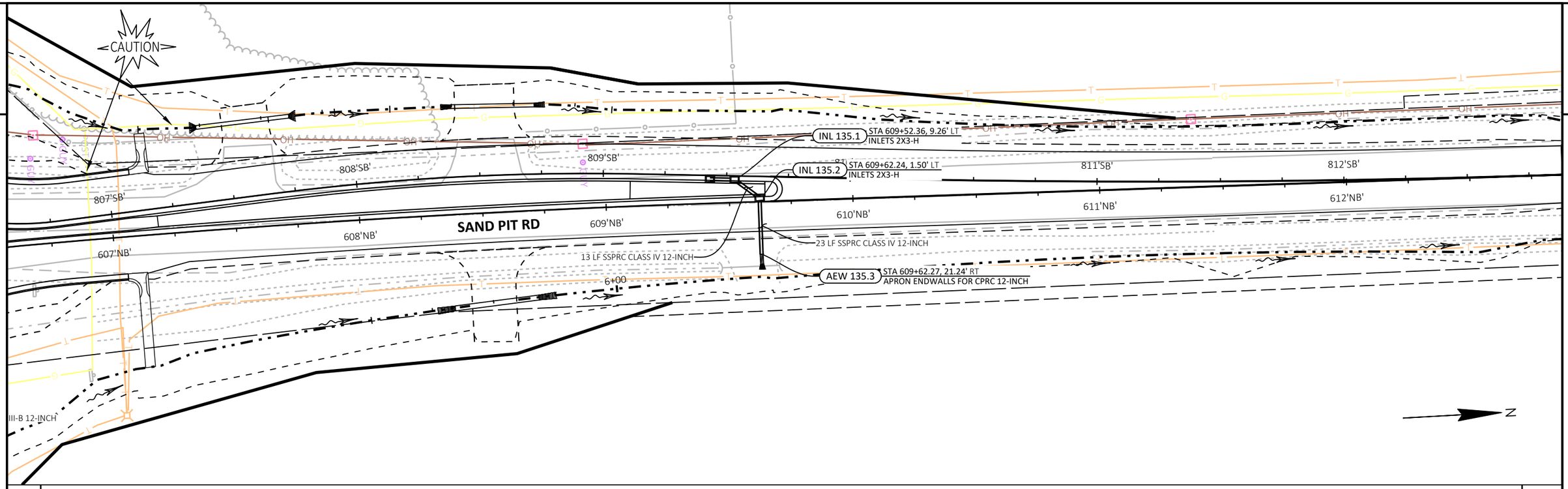
24 LF CPRC CLASS IV 36-INCH @ 0.55%

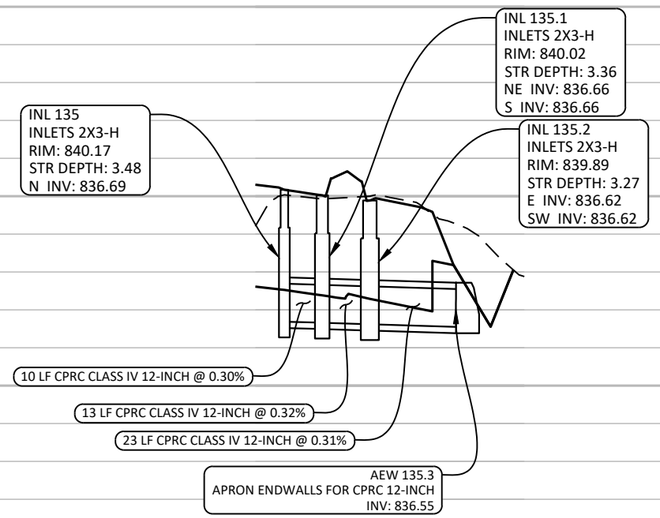
7 LF CPRC CLASS IV 36-INCH @ 0.58%

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - SAND PIT RD	SHEET E

PRE_73

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022541-ss
PLOT DATE : 9/6/2023 9:49 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	STORM SEWER - SAND PIT RD	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-022500-SS.DWG
LAYOUT NAME - 61803071-022542-ss
PLOT DATE : 9/6/2023 9:49 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTES:

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

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N

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

LB1 LB2 LB3 LB4 LB5 LB6 LB7 LB8 LB9 LB13

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8

CB1

CONDUCTOR COLOR SCHEME

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

LEGEND

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

EXAMPLE (see individual label on each lighting unit)

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

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

240 VOLT SYSTEM
120/240 VOLT ELECTRIC SERVICE

STH 21 & CTH FF
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2055
DESIGNER: WISDOT NE REGION TRAFFIC UNIT
DATE: 2/4/2022 SHEET NO. 1 OF 4

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET E

PRE_75

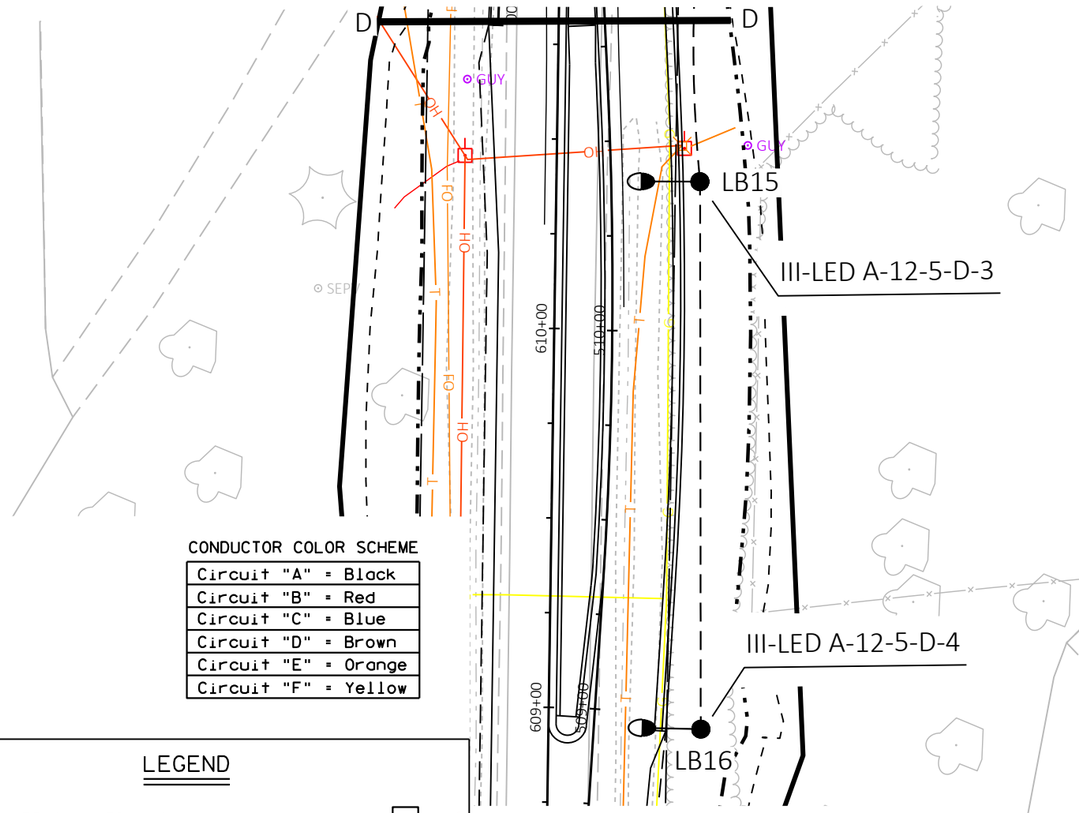
FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\LIGHTING-UTILITYPLAN.DWG
LAYOUT NAME - CTH FF
PLOT DATE : 8/31/2023 9:31 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:

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

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Circuit "D" = Brown
Circuit "E" = Orange
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LEGEND

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- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

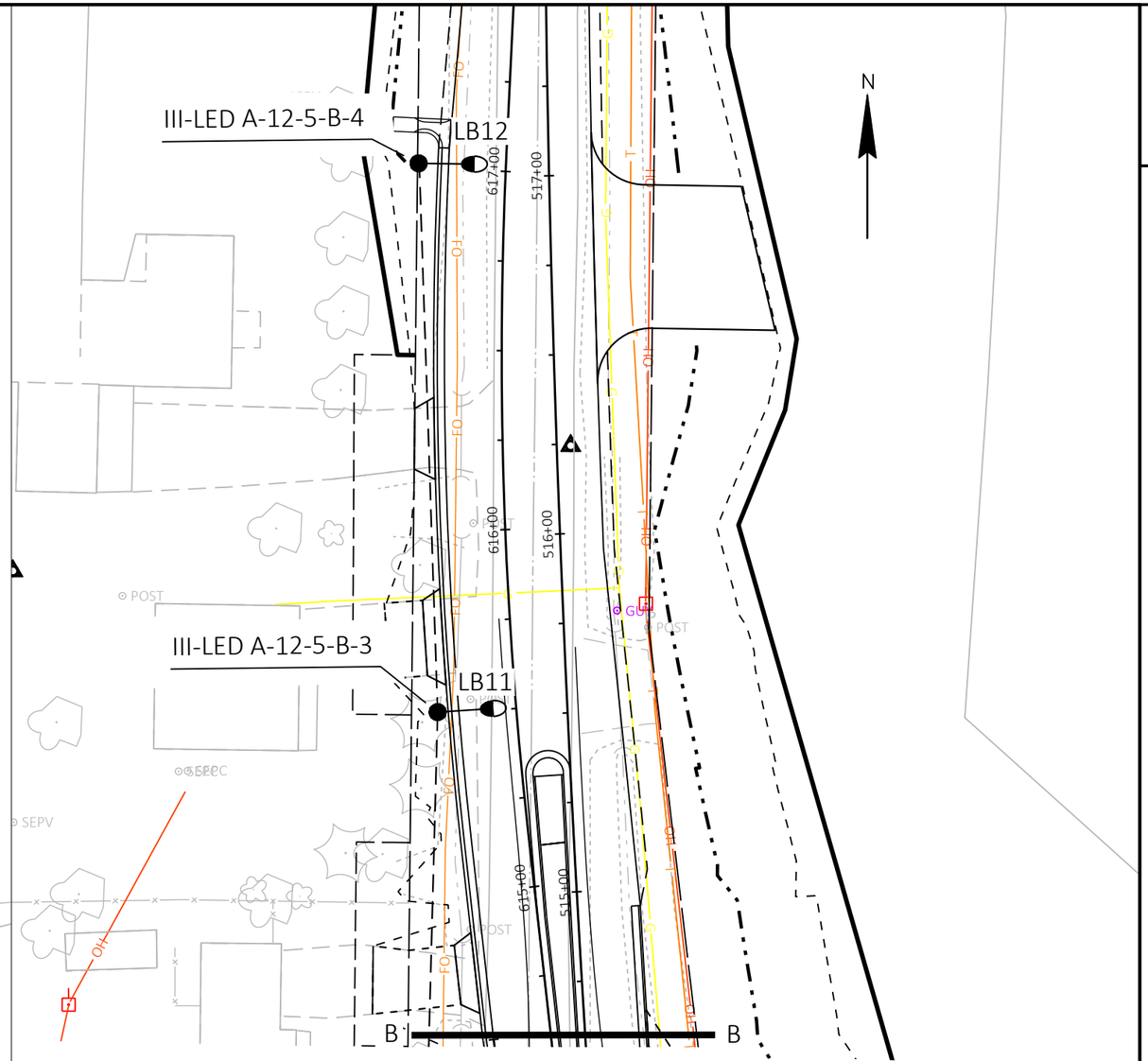
EXAMPLE (see individual label on each lighting unit)

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

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

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE



STH 21 & CTH FF
TOWN OF ALGOMA
WINNEBAGO COUNTY

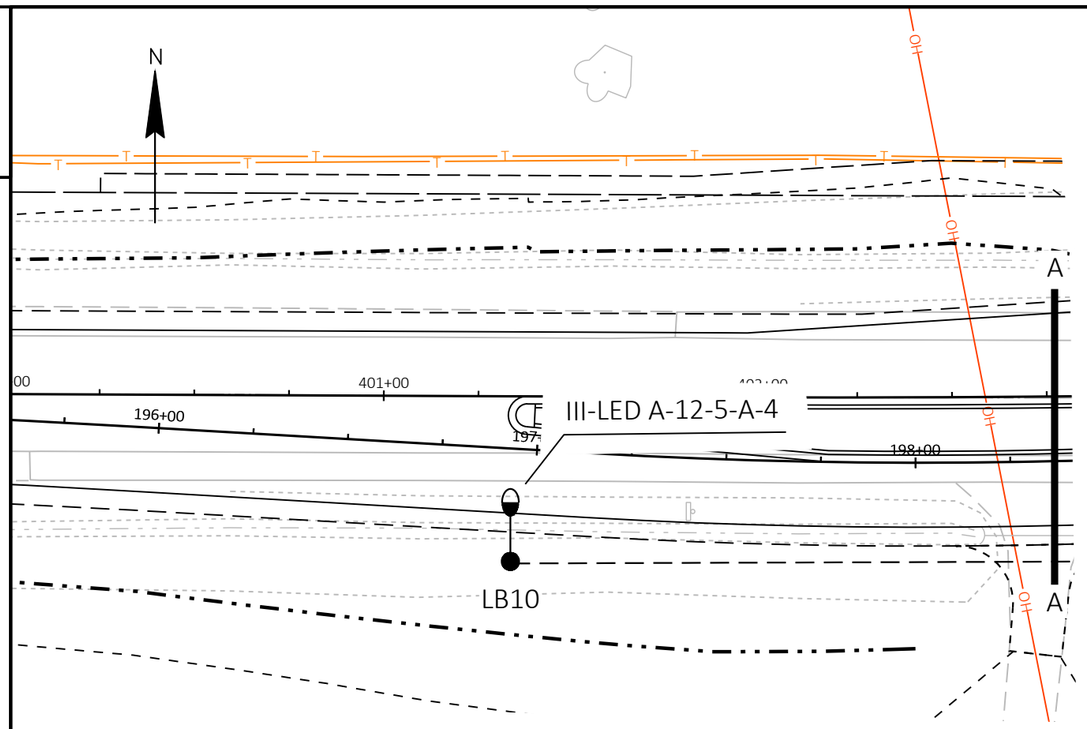
LIGHTING NO. 70-2055

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/4/2022 SHEET NO. 1 OF 4

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET E

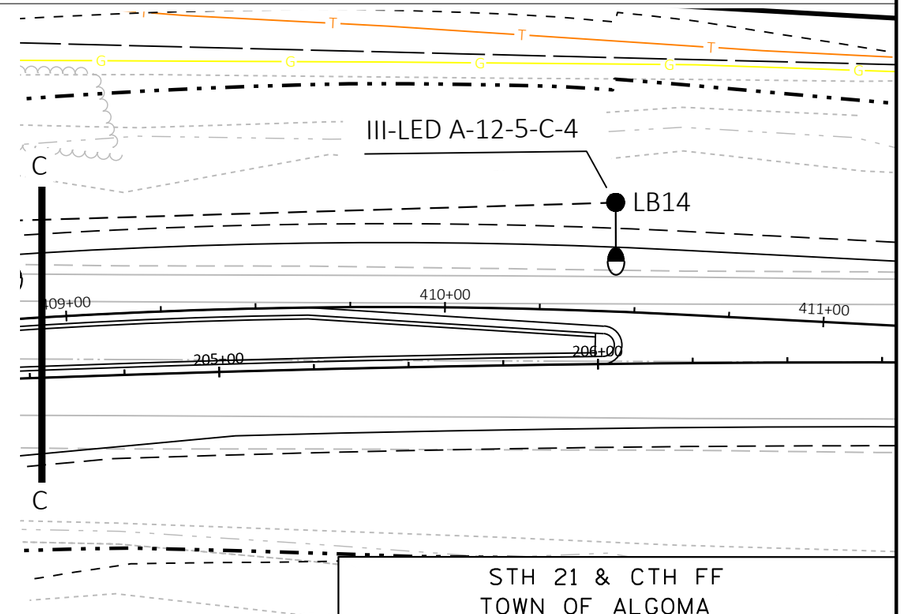
PRE_76



NOTES:

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

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CONDUCTOR COLOR SCHEME

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

LEGEND

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- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

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

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

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

STH 21 & CTH FF
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2055

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/4/2022 SHEET NO. 1 OF 4

PROJECT NO: 6180-30-72	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET E

PRE_77

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\LIGHTING-UTILITYPLAN.DWG
LAYOUT NAME - CTH FF (3)
PLOT DATE : 8/31/2023 9:31 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

NOTES:

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

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LEGEND

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- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

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

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

240 VOLT SYSTEM
120/240 VOLT ELECTRIC SERVICE

LB1 LB2 LB3 LB4 LB5 LB6 LB7 LB8 LB13
PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8
CB1
III-LED A-12-5-A-1 III-LED A-12-5-A-2
III-LED A-12-5-B-1 III-LED A-12-5-B-2
III-LED A-12-5-C-1 III-LED A-12-5-C-2 III-LED A-12-5-C-3
III-LED A-12-5-D-1 III-LED A-12-5-D-2

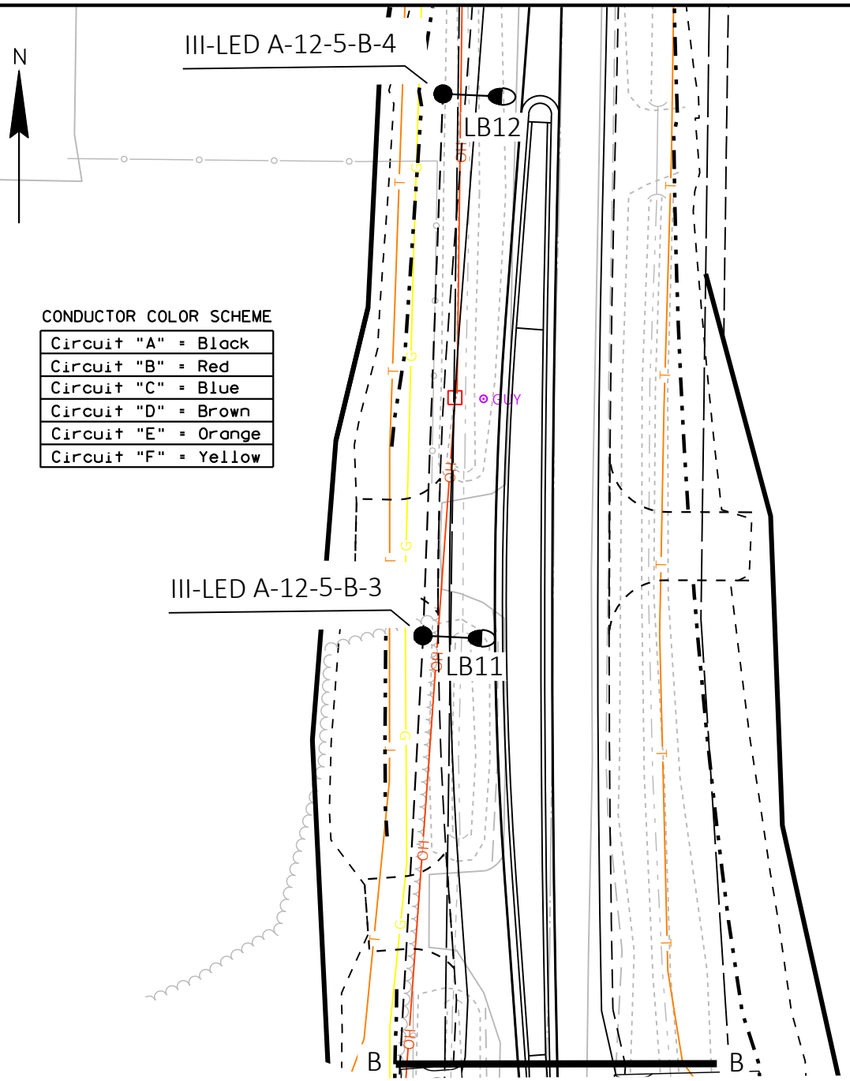
STH 21 & SAND PIT ROAD
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2056
DESIGNER: WISDOT NE REGION TRAFFIC UNIT
DATE: 2/4/2022 SHEET NO. 1 OF 4

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET E

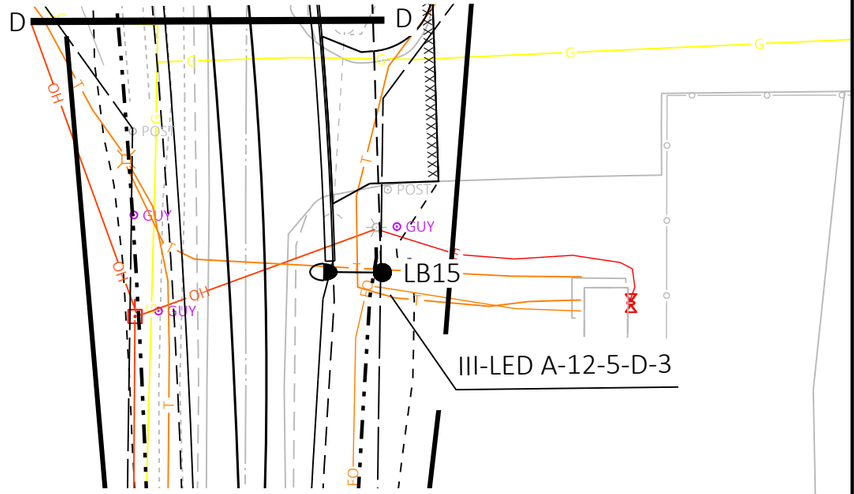
PRE_78

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\LIGHTING-UTILITYPLAN.DWG
LAYOUT NAME - SAND PIT
PLOT DATE : 8/31/2023 9:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT



CONDUCTOR COLOR SCHEME

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



LEGEND

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

EXAMPLE (see individual label on each lighting unit)

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

- III — DISTRIBUTION TYPE
- LED — LAMP WATTAGE
- A-12 — MAST ARM LENGTH (in feet)
- 5 — BASE TYPE
- A — CIRCUIT ID
- 4 — LIGHT UNIT NUMBER IN CIRCUIT

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

NOTES:

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STH 21 & SAND PIT ROAD
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2056

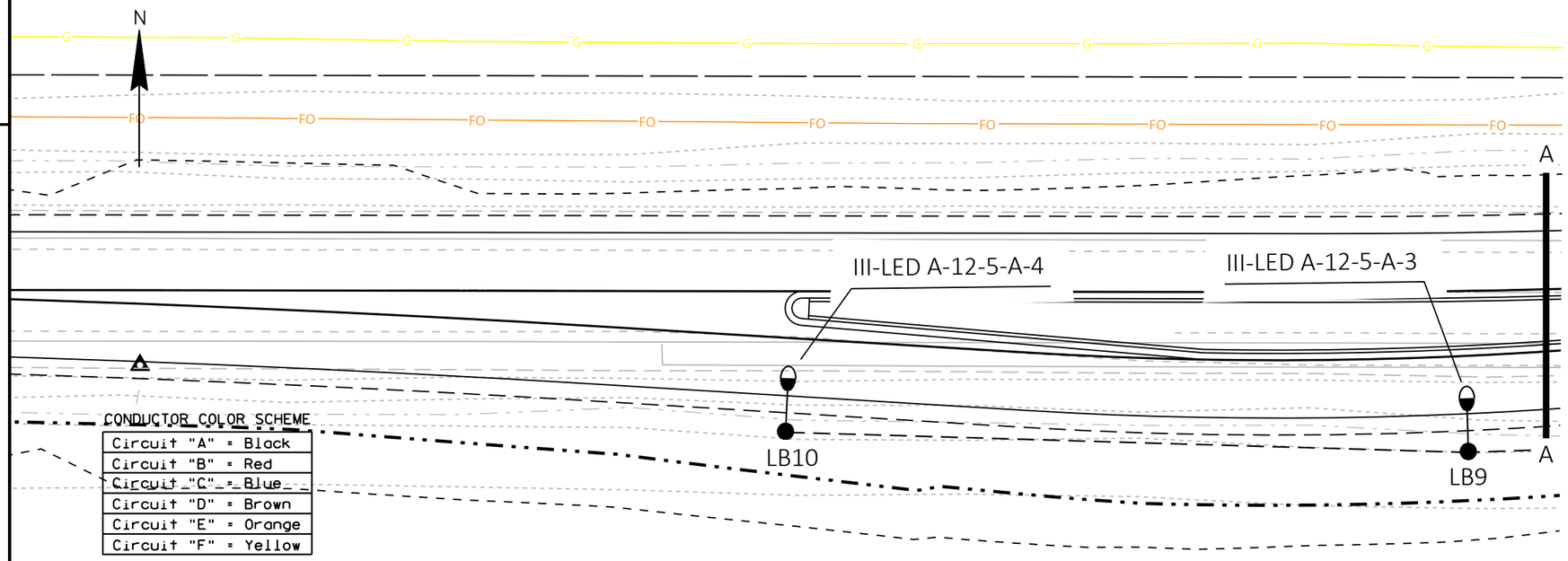
DESIGNER: WISDOT NE REGION TRAFFIC UNIT

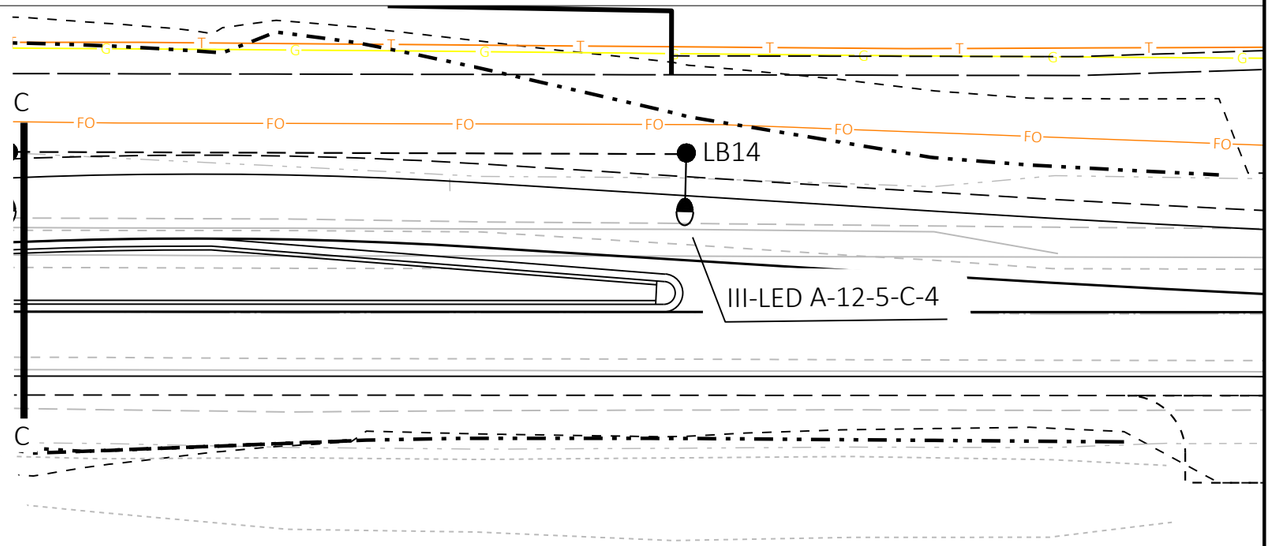
DATE: 2/4/2022 SHEET NO. 1 OF 4

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET E

PRE_79

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\LIGHTING-UTILITYPLAN.DWG
LAYOUT NAME - SAND PIT (2)
PLOT DATE : 8/31/2023 9:33 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42





NOTES:

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

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LEGEND

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- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND — E —
- ELECTRIC, OVERHEAD — OH —

EXAMPLE (see individual label on each lighting unit)

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

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

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

STH 21 & SAND PIT ROAD
TOWN OF ALGOMA
WINNEBAGO COUNTY

LIGHTING NO. 70-2056

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 2/4/2022 SHEET NO. 1 OF 4

PROJECT NO: 6180-30-73	HWY: STH 21	COUNTY: WINNEBAGO	CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING	SHEET E

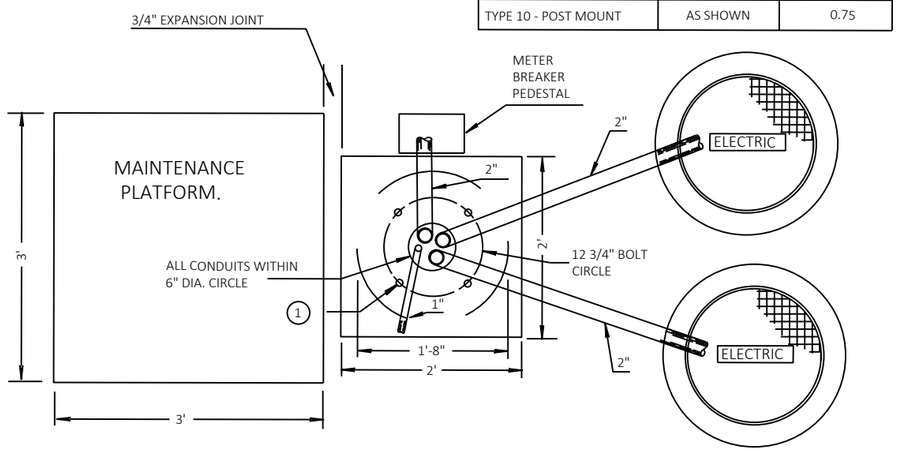
FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\LIGHTING-UTILITYPLAN.DWG
LAYOUT NAME - SAND PIT (3)

PLOT DATE : 8/31/2023 9:33 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_80

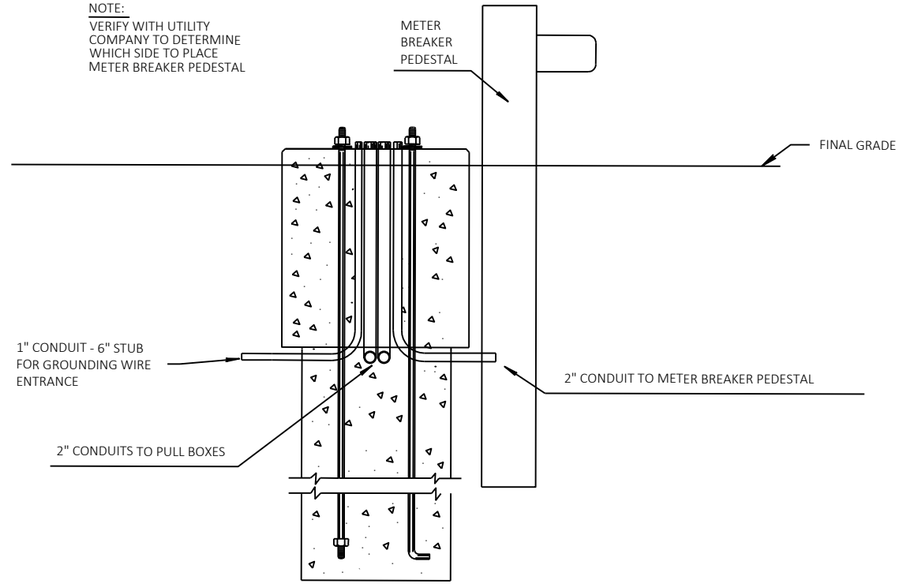
WISDOT/CADDS SHEET 42

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

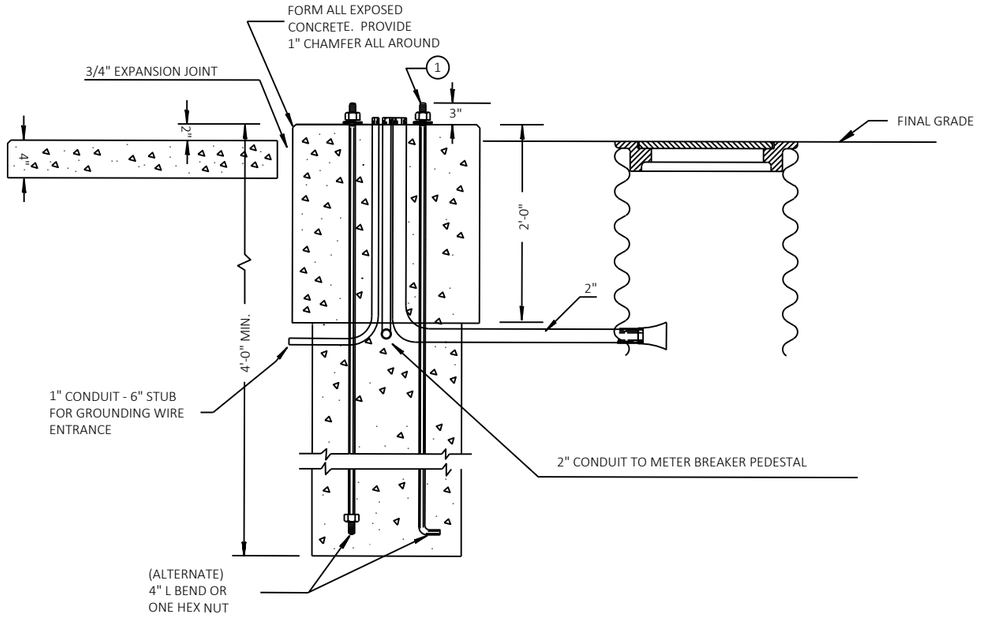


PLAN VIEW

NOTE:
VERIFY WITH UTILITY COMPANY TO DETERMINE WHICH SIDE TO PLACE METER BREAKER PEDESTAL



FRONT VIEW



PROFILE VIEW

GENERAL NOTES

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

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

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

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

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

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

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

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

THE "L" BEND SHALL NOT BE THREADED.

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

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

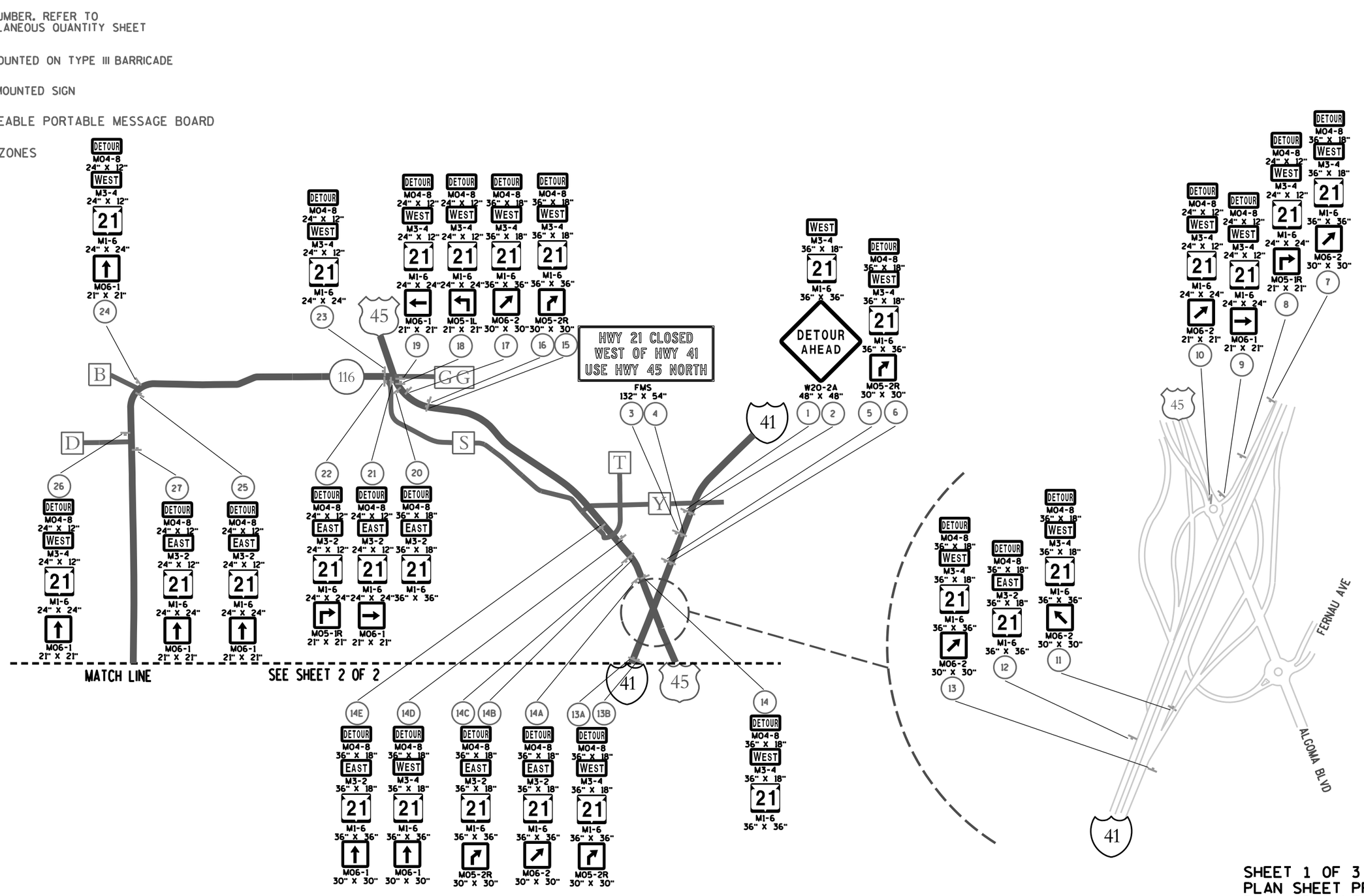
PROJECT NO: 6180-30-72/73	HWY: STH 21	COUNTY: WINNEBAGO	LIGHTING CABINET BASE - TYPE 10 NER	SHEET PRE_81 E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\LIGHTING-UTILITYPLAN.DWG
LAYOUT NAME - Type 10 NER Base
PLOT DATE : 8/31/2023 9:35 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE :

2

LEGEND

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



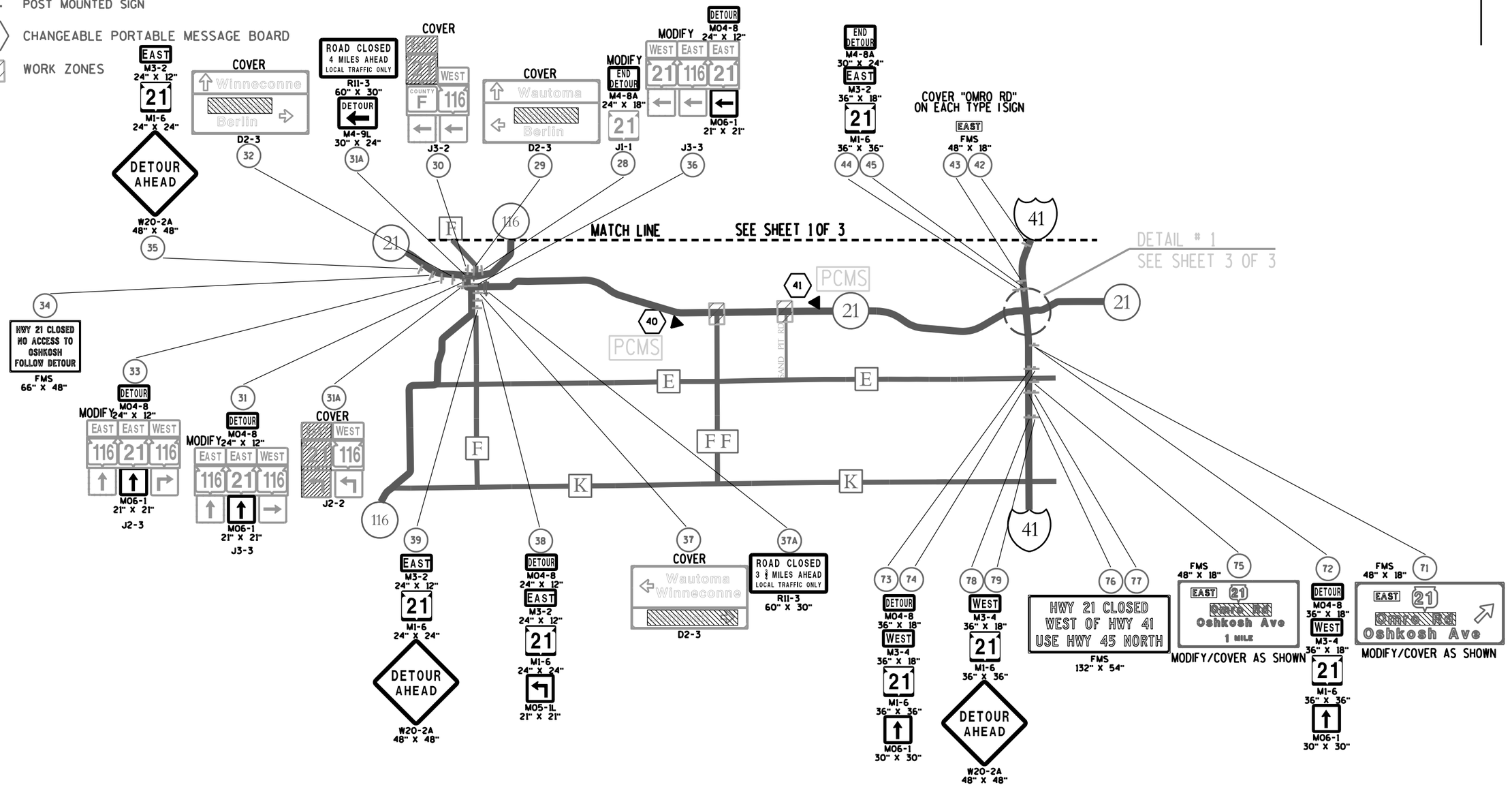
SHEET 1 OF 3
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL	SHEET E

LEGEND

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

N



SHEET 2 OF 3
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL	SHEET E

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

LEGEND

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

N

E6-54A COVER 47

E6-52 COVER 55

COVER E6-54A 56

COVER D1-2 46

DETOUR M04-8 24" X 12" / WEST M3-4 24" X 12" / 21 M1-6 24" X 24" 54

DETOUR M04-8 24" X 12" / WEST M3-4 24" X 12" / 21 M1-6 24" X 24" / M06-2 21" X 21" 58

DETOUR M04-8 24" X 12" / WEST M3-4 24" X 12" / 21 M1-6 24" X 24" / M06-1 21" X 21" 62

DETOUR M04-8 24" X 12" / WEST M3-4 24" X 12" / 21 M1-6 24" X 24" / M05-1R 21" X 21" 63 64

HWY 21 CLOSED NO ACCESS TO OMRO FOLLOW DETOUR FMS 66" X 48" 65 66

ROAD CLOSED 3 ½ MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60" X 30" 49

COVER J4-1 50

SOUTH 41 / 21 WEST COVER D1-3 48

ROAD CLOSED 3 ½ MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60" X 30" 53

OMRO RD

BROOKS RD

21

N WASHBURN ST

N KOELLER ST

41

ROAD CLOSED 3 ½ MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60" X 30" / DETOUR M4-9R 30" X 24" 59

COVER 60 NORTH 41 / WEST 21 Milwaukee E6-54A

COVER 61 21 WEST E6-54A

DETOUR AHEAD W20-2A 48" X 48" 67 68

COVER 51 WEST 21 Washburn St E6-52

COVER 52 WEST 21 Omro Rd E6-52

COVER 57 TO SOUTH 41 / 21 WEST D1-2

COVER 70 D1-2

COVER 69 21 WEST E6-54A

DETAIL 1

SHEET 3 OF 3
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	DETOUR SIGNING DETAIL	SHEET E

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

WISDOT/CADDS SHEET 42

CONVENTIONAL SYMBOLS

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

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) — IP
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN — SIGN
OFF-PREMISE SIGN — #1-25 — SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	⌀	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	▣	▣

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

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

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WINNEBAGO COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN GREEN BAY. EXISTING ACCESS RESTRICTIONS SHOWN PER PREVIOUS PLAT NUMBERS 6184-03-21 AND 6184-03-22.

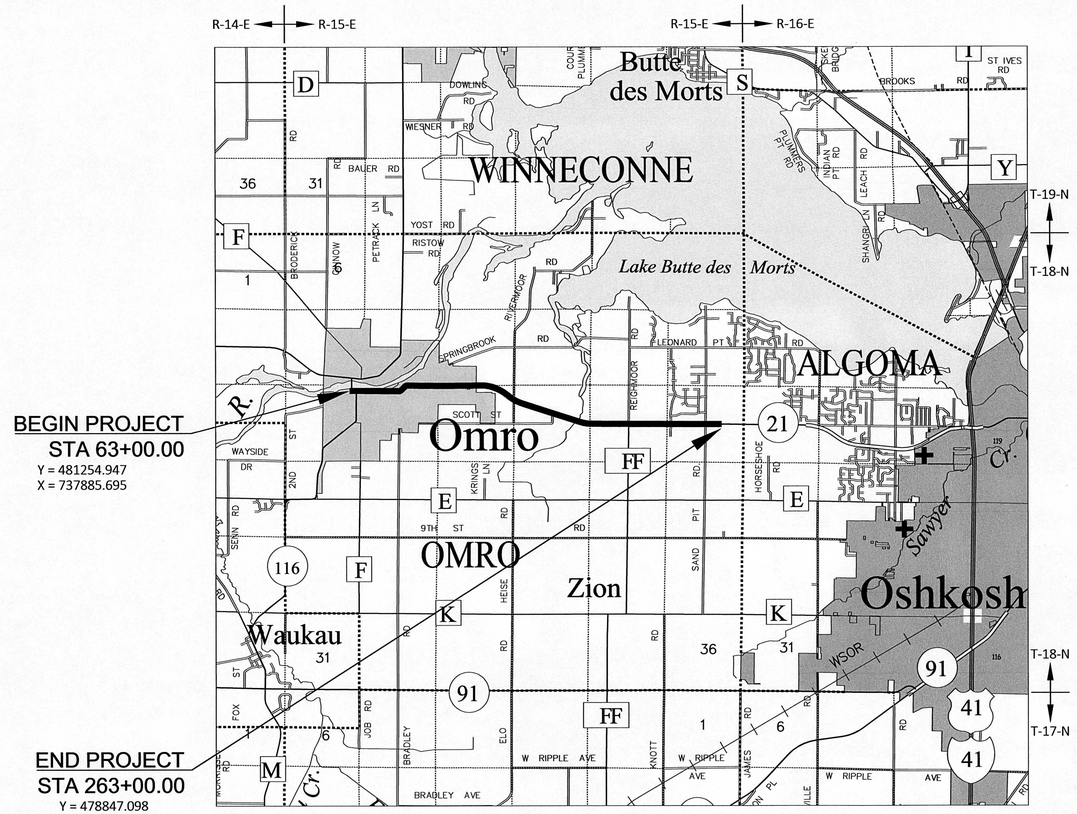
PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE DETAIL SHEETS.

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

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.



TOTAL NET LENGTH OF CENTERLINE = 3.788 MI

R/W PROJECT NUMBER 6180-30-21	SHEET NUMBER	TOTAL SHEETS
CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	4.01	15

PLAT OF RIGHT OF WAY REQUIRED FOR

OMRO - OSHKOSH
STH 116 - LEONARD POINT ROAD

STH 21	WINNEBAGO COUNTY

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

ORIGINAL PLANS PREPARED BY

GRAEF
116 S ADAMS STREET, SUITE 201
GREEN BAY, WI 54301

WISCONSIN TROY M. COLLINS S-2995 GREEN BAY, WI LAND SURVEYOR

6-30-23 (Date) Troy M. Collins (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

REVISION DATE

APPROVED FOR THE DEPARTMENT

DATE: 06/30/2023 Jon L. Herbel (Signature)

JON L. HERBEL (Printed Name)

SECTION LINE
2019.54'

N89°52'24"W 2635.33'
384.67'

231.12'

T 18 N
R 15 E
7 7
18 18

800
FOUND LEANING BERNTSEN MON.
POSITION PER SECTION SUMMARY
Y=481659.232
X=736052.851

T 18 N
R 15 E
7 8
18 17

506
FOUND CHISELED CROSS
Y=481653.406
X=738688.175

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
1	BY FATE II LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	60	-	60	-
2	AMERICAN BANK	FEE & TLE	3	-	3	83
3	TANNERS BAR AND GRILL INC	TLE	-	-	-	268
4	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	441

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	3

BASIS OF EXISTING RIGHT-OF-WAY

ROUTE	BASIS
STH 21	CSM #2852, CSM #6737, CSM #7567, PLAT OF SURVEY DATED 11-8-05
ADAMS AVENUE	CSM #2852
JEFFERSON AVENUE	CSM #7567

STH 21
(SPRUCE ST.)
-R/W VARIES-

402.37'
S00°47'44"W
406.87'

CITY

LOT 2
VOL. 1 CSM PG. 6737
DOC. #1639798

145.7' ±

GOV. LOT 1

WESTERN ADDITION

6 5 4

PLAT OF SURVEY
PLS NO. 2333
DATED 11-8-05

LOT 1
VOL. 1 CSM PG. 1577
DOC. #659313

FACE OF BLD. ON NORTH LINE OF T.L.E.

T.L.E. (137 S.F.)

T.L.E. (131 S.F.)

5.80'

6.50'

BEGIN PROJECT
STA 63+00.00
Y = 481254.947
X = 737885.695

MATCHLINE STA. 69+00
SEE SHEET 4.03

63+00 64+00 65+00 66+00 67+00 68+00 69+00

S89°12'16"E = R/L

S89°27'51"E = R/L

PI: 68+65.77
Y: 481247.090
X: 738451.410

33'

34.08'

VARIES

STH 21
(W. MAIN ST.)
-R/W VARIES-

OF

OMRO

ADAMS AVE.

JEFFERSON AVE.

66'

LOT 1
VOL. 1 CSM PG. 2852
DOC. #865975

WESTERN ADDITION

PART OF LOT 31

SEE DETAIL 1

DETAIL 1
1"=10'

10.0

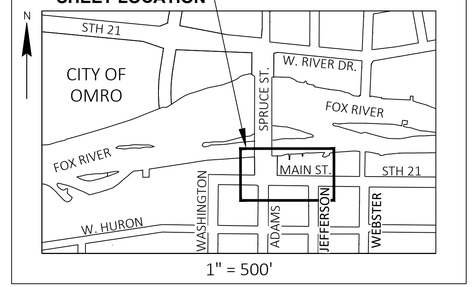
COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
701	702	S89° 12' 16"E	241.00'
702	703	S89° 12' 16"E	21.81'
703	704	S89° 12' 16"E	74.58'
PARCEL 1			
701	100	S00° 47' 44"W	34.08'
100	101	S73° 58' 28"W	20.84'
101	102	N00° 10' 31"E	6.03'
102	100	S89° 12' 16"E	20.02'
PARCEL 2			
702	103	S00° 47' 44"W	34.08'
103	104	S89° 12' 16"E	3.06'
104	105	S00° 16' 57"W	2.01'
105	103	N56° 03' 13"W	3.68'
105	300	S00° 16' 57"W	12.83'
300	301	N89° 43' 03"W	1.61'
301	302	N00° 32' 11"W	8.47'
302	303	N32° 41' 26"W	4.50'
303	304	N89° 43' 03"W	18.41'
304	305	N00° 47' 44"E	2.81'
305	103	S89° 12' 16"E	19.50'
PARCEL 3			
703	306	N00° 47' 44"E	33.00'
306	307	N89° 12' 16"W	22.50'
307	308	N00° 47' 44"E	5.80'
308	309	S89° 12' 16"E	22.50'
309	306	S00° 47' 44"W	5.80'
306	310	S89° 12' 16"E	34.73'
310	311	N00° 47' 44"E	6.50'
311	312	S89° 12' 16"E	21.00'
312	313	S00° 47' 44"W	6.50'
313	310	N89° 12' 16"W	21.00'
PARCEL 4			
704	314	S00° 47' 44"W	33.21'
314	315	S00° 47' 44"W	5.69'
315	316	S52° 34' 28"W	30.52'
316	317	N89° 43' 03"W	3.14'
317	318	N00° 16' 57"E	24.48'
318	314	S89° 27' 51"E	27.33'

COORDINATE / STATION / OFFSET TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
100	481218.353	738066.326	64+81.12	34.08'
101	481212.599	738046.293	64+61.17	40.11'
102	481218.631	738046.312	64+61.11	34.08'
103	481215.007	738307.301	67+22.12	34.08'
104	481214.964	738310.365	67+25.18	34.08'
105	481212.950	738310.355	67+25.20	36.10'
300	481200.116	738310.292	67+25.32	48.93'
301	481200.124	738308.681	67+23.71	48.94'
302	481208.593	738308.602	67+23.51	40.48'
303	481212.379	738306.173	67+21.03	36.72'
304	481212.470	738287.763	67+02.62	36.89'
305	481215.278	738287.802	67+02.62	34.08'
306	481281.779	738330.043	67+43.93	-33.00'
307	481282.091	738307.545	67+21.43	-33.00'
308	481287.891	738307.625	67+21.43	-38.80'
309	481287.578	738330.123	67+43.93	-38.80'
310	481281.297	738364.771	67+78.66	-33.00'
311	481287.796	738364.862	67+78.66	-39.50'
312	481287.504	738385.860	67+99.66	-39.50'
313	481281.005	738385.769	67+99.66	-33.00'
314	481214.535	738403.696	68+18.51	33.21'
315	481208.841	738403.616	68+18.51	38.91'
316	481190.293	738379.379	67+94.54	57.79'
317	481190.309	738376.244	67+91.40	57.82'
318	481214.791	738376.365	67+91.18	33.34'
701	481252.432	738066.800	64+81.12	0.00'
702	481249.085	738307.774	67+22.12	0.00'
703	481248.782	738329.584	67+43.93	0.00'
704	481247.746	738404.157	68+18.51	0.00'

SHEET LOCATION



1" = 500'

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 20 40	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.02	
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET ____	E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.02

PLOT DATE : 7/11/2023 3:42 PM
PRE_86

PLOT BY : COLLINS, TROY

PLOT NAME :

PLOT SCALE : 1 IN:20 FT

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	CSM #7567, PLAT OF SURVEY DATED 11-8-05, PLAT OF SURVEY DATED 4-11-03
SOUTH WEBSTER AVENUE	CSM #7567, PLAT OF SURVEY DATED 11-8-05

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
319	481277.345	738649.306	70+63.37	-32.10'
320	481277.414	738644.307	70+58.37	-32.13'
321	481282.414	738644.369	70+58.39	-37.13'
322	481282.345	738649.368	70+63.39	-37.10'
705	481245.242	738649.006	70+63.37	0.00'
706	481244.923	738683.095	70+97.47	0.00'
765	481246.574	738506.559	69+20.92	0.00'

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
506	706	S00° 42' 45"W	408.51'
706	705	N89°27' 51"W	34.09'
765	705	S89° 27' 51"E	142.45'
PARCEL 5			
705	319	N00° 32' 09"E	32.10'
319	320	N89° 12' 16"W	5.00'
320	321	N00° 42' 45"E	5.00'
321	322	S89° 12' 16"E	5.00'
322	319	S00° 42' 45"W	5.00'

SECTION LINE N89°52'24"W 2635.33'
2457.52' 177.81'

800
FOUND LEANING BERNTSEN MON. POSITION PER SECTION SUMMARY
Y=481659.232
X=736052.851

506
FOUND CHISELED CROSS
Y=481653.406
X=738688.175

SEE SHEET 4.02
MATCHLINE STA. 69+00

407.24'
N00°32'09"E

WESTERN ADDITION

EAST 1/2 OF LOT 1

CITY

WEBSTER AVE.
-R/W VARIES-

±34.2'

FACE OF BLD. ON NORTH LINE OF T.L.E.

BUILDING WALL 0.4' EAST OF R/W LINE

321 5 322 319 320

ORIGINAL PLAT OF OMRO

21

GOV. LOT 1

GOV. LOT 2

±32.3'

33'

69+00 765 S89°27'51"E = R/L 70+00 705 71+00 706 PI: 70+97.47 S89°26'11"E = R/L 72+00

STH 21
(W. MAIN ST.)
-R/W VARIES-

OF

STH 21
(E. MAIN ST.)

2224.31'
2632.82'
S00°42'45"W

SECTION LINE

IP IP IP IP

LOT 1
CSM #7567
DOC. #1805253

SOUTH WEBSTER AVE.

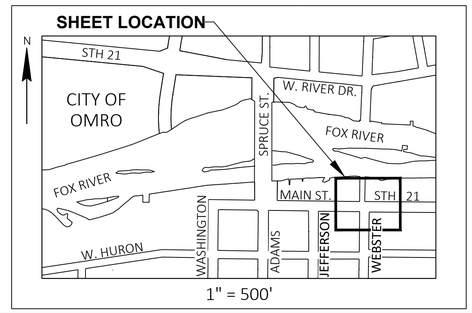
505
FOUND BERNTSEN MON.
Y=479020.781
X=738655.438

66'

PLAT OF SURVEY
PLS NO. 1368
DATED 4-11-03

OMRO

SHEET LOCATION



1" = 500'

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
5	JANE M. CHRISTL	TLE	-	-	-	25

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 10 20	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.03
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET ____ E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.03

PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_87

WISDOT/CADDS SHEET 75

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
6	THE BAUMAN REAL ESTATE LIMITED PARTNERSHIP	TLE	-	-	-	81
7	KENNETH BRESSERS	TLE	-	-	-	155
8	KWIK TRIP INC.	FEE	126	-	126	-
39	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	115

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	PLAT OF SURVEY DATED 8-11-17, PLAT OF SURVEY DATED 4-11-03, CSM #1404
MADISON AVENUE	PLAT OF SURVEY DATED 4-11-03

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
707	708	S89° 26' 11"E	18.83'
708	709	S89° 33' 51"E	43.20'
709	710	S89° 33' 51"E	46.95'
774	707	S89° 26' 11"E	88.37'
710	775	S89° 33' 51"E	29.00'
PARCEL 6			
707	323	N00° 15' 48"E	33.00'
323	324	N00° 32' 29"E	6.25'
324	325	S89° 26' 11"E	13.00'
325	326	S00° 32' 29"W	6.25'
326	323	N89° 26' 11"W	13.00'
PARCEL 7			
709	333	N00° 26' 09"E	33.00'
333	334	N00° 26' 09"E	4.86'
334	335	N77° 39' 26"E	10.24'
335	336	S89° 34' 56"E	9.38'
336	337	S64° 08' 22"E	5.15'
337	338	S00° 26' 09"W	4.92'
338	333	N89° 33' 51"W	24.02'
PARCEL 8			
710	106	S00° 26' 09"W	33.00'
106	107	S76° 42' 56"W	8.54'
107	108	S86° 49' 22"W	7.95'
108	109	S66° 08' 57"W	7.73'
109	110	S37° 59' 34"W	11.40'
110	111	N00° 32' 29"E	14.74'
111	106	S89° 33' 51"E	30.20'
PARCEL 39			
707	327	S00° 15' 48"W	33.00'
327	328	S89° 26' 11"E	12.68'
328	329	S00° 32' 29"W	19.47'
329	330	N89° 27' 31"W	2.00'
330	331	N00° 32' 29"E	12.33'
331	332	N89° 26' 11"W	10.68'
332	327	N00° 33' 49"E	7.14'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
106	481206.190	739286.301	77+00.95	33.00'
107	481204.228	739277.992	76+92.66	35.03'
108	481203.788	739270.056	76+84.72	35.53'
109	481200.660	739262.982	76+77.67	38.71'
110	481191.676	739255.965	76+70.72	47.74'
111	481206.420	739256.104	76+70.75	33.00'
323	481273.060	739177.730	75+91.80	-33.00'
324	481279.310	739177.789	75+91.80	-39.25'
325	481279.182	739190.789	76+04.80	-39.25'
326	481272.932	739190.730	76+04.80	-33.00'
327	481207.060	739177.427	75+92.15	33.00'
328	481206.935	739190.106	76+04.83	33.00'
329	481187.470	739189.922	76+04.83	52.47'
330	481187.489	739187.922	76+02.83	52.47'
331	481199.815	739188.039	76+02.83	40.14'
332	481199.920	739177.357	75+92.15	40.14'
333	481272.545	739239.856	76+54.00	-33.00'
334	481277.408	739239.893	76+54.00	-37.86'
335	481279.597	739249.897	76+63.99	-40.13'
336	481279.529	739259.280	76+73.37	-40.13'
337	481277.282	739263.915	76+78.02	-37.92'
338	481272.362	739263.878	76+78.02	-33.00'
707	481240.060	739177.579	75+91.97	0.00'
708	481239.875	739196.406	76+10.80	0.00'
709	481239.546	739239.605	76+54.00	0.00'
710	481239.189	739286.552	77+00.95	0.00'
774	481240.929	739089.216	75+03.61	0.00'
775	481238.969	739315.551	77+29.95	0.00'

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	7

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 10 20	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.04
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET ____ E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.04

PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_88

WISDOT/CADDS SHEET 75

*PARCELS 40 & 41 ALSO LOCATED ON SHEET 4.06

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
8	KWIK TRIP INC	FEE & TLE	49	-	49	119
9	DUWAYNE D. & DIANE L. LAABS	FEE & TLE	33	-	33	86
10	BLUE EYES OF WISCONSIN, LLC, A WISCONSIN LIMITED LIABILITY COMPNAY	FEE	98	-	98	-
40	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	553
41	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	230

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
776	711	S89° 33' 51"E	22.59'
711	712	S89° 33' 51"E	117.49'
712	713	S89° 33' 51"E	260.13'
713	753	S89° 33' 51"E	37.05'
753	714	S89° 38' 36"E	50.58'
714	715	S89° 38' 36"E	52.87'
PARCEL 8			
711	112	S00° 26' 09"W	33.00'
112	113	S89° 33' 51"E	29.73'
113	114	S00° 40' 35"W	1.79'
114	115	N89° 33' 51"W	9.75'
115	116	N88° 21' 04"W	19.97'
116	112	N00° 26' 09"E	1.37'
114	339	S00° 40' 35"W	5.81'
339	340	N82° 07' 21"W	29.95'
340	116	N00° 26' 09"E	2.35'

COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
PARCEL 9			
712	117	S00° 26' 09"W	33.00'
117	118	S00° 26' 09"W	1.50'
118	119	N89° 33' 51"W	21.77'
119	120	N00° 40' 35"E	1.50'
120	117	S89° 33' 51"E	21.76'
118	341	S00° 26' 09"W	1.59'
341	342	S78° 18' 04"W	22.29'
342	119	N00° 40' 35"E	6.28'
PARCEL 10			
713	121	S00° 26' 09"W	33.00'
121	122	S89° 33' 51"E	18.16'
122	123	S01° 21' 06"W	12.60'
123	124	N48° 00' 04"W	14.75'
124	125	N72° 29' 48"W	5.43'
125	121	N54° 31' 15"W	2.12'

COORDINATE / STATION / OFFSET TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
112	481203.907	739586.525	80+01.18	33.00'
113	481203.681	739616.254	80+30.91	33.00'
114	481201.890	739616.233	80+30.90	34.79'
115	481201.965	739606.478	80+21.15	34.79'
116	481202.539	739586.515	80+01.18	34.37'
117	481203.014	739704.012	81+18.67	33.00'
118	481201.514	739704.001	81+18.67	34.50'
119	481201.679	739682.235	80+96.91	34.50'
120	481203.179	739682.253	80+96.91	33.00'
121	481201.035	739964.130	83+78.80	33.00'
122	481200.897	739982.292	83+96.96	33.00'
123	481188.303	739981.995	83+96.76	45.60'
124	481198.175	739971.030	83+85.72	35.81'
125	481199.808	739965.853	83+80.53	34.21'
339	481196.081	739616.164	80+30.88	40.60'
340	481200.186	739586.497	80+01.18	36.72'
341	481199.921	739703.988	81+18.67	36.09'

COORDINATE / STATION / OFFSET TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
342	481195.401	739682.161	80+96.88	40.78'
343	481200.439	740051.801	84+66.43	33.00'
344	481188.940	740051.529	84+66.23	44.50'
345	481189.065	740031.527	84+46.22	44.50'
346	481200.563	740031.798	84+46.42	33.00'
347	481266.108	740105.082	85+19.30	-33.00'
348	481266.555	740033.355	84+47.57	-33.00'
349	481272.158	740033.487	84+47.67	-38.60'
350	481271.983	740061.530	84+75.71	-38.60'
351	481285.001	740066.131	84+80.23	-51.65'
352	481284.925	740078.287	84+92.38	-51.65'
353	481270.248	740084.604	84+98.79	-37.01'
711	481236.906	739586.776	80+01.18	0.00'
712	481236.013	739704.263	81+18.67	0.00'
713	481234.035	739964.381	83+78.80	0.00'
714	481233.438	740052.006	84+66.43	0.00'
715	481233.109	740104.876	85+19.30	0.00'
753	481233.753	740001.428	84+15.85	0.00'
776	481237.078	739564.187	79+78.59	0.00'

COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
PARCEL 40			
715	347	N00° 21' 24"E	33.00'
347	348	N89° 38' 36"W	71.73'
348	349	N01° 21' 06"E	5.60'
349	350	S89° 38' 36"E	28.04'
350	351	N19° 28' 03"E	13.81'
351	352	S89° 38' 36"E	12.16'
352	353	S23° 17' 20"E	15.98'
353	347	S78° 34' 20"E	20.89'
PARCEL 41			
714	343	S00° 21' 24"W	33.00'
343	344	S01° 21' 06"W	11.50'
344	345	N89° 38' 36"W	20.00'
345	346	N01° 21' 06"E	11.50'
346	343	S89° 38' 36"E	20.00'

BASIS OF EXISTING RIGHT-OF-WAY

ROUTE	BASIS
STH 21	CSM #1404, CSM #7267
MONROE AVENUE	CSM #1404, CSM #7267
QUINCY AVENUE	CSM #7267, CSM #6514

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
101	CITY OF OMRO - WATER	RELEASE OF RIGHTS	-	4

506
FOUND CHISELED CROSS
Y=481653.406
X=738688.175

529
FOUND BERNTSEN MON.
Y=481635.387
X=741363.644

SECTION LINE S89°36'51"E 2675.53' / 540.14'

879.15' | 1256.24'

410.42' S00°26'09"W | 377.75' S00°21'24"W

SEE SHEET 4.06

CITY OF OMRO

GOV. LOT 2 | GOV. LOT 1

STH 21 (E. MAIN ST.)

S89°33'51"E = R/L | S89°38'36"E = R/L

80+00 | 81+00 | 82+00 | 83+00 | 84+00 | 85+00 | 85+50

PI: 84+15.85

SEE DETAIL 2 | SEE DETAIL 3

BLOCK 1
ORIGINAL PLAT OF OMRO

BLOCK E
EASTERN ADDITION

BLOCK F

EASTERN ADDITION

MONROE AVE. | QUINCY AVE. -R/W VARIES-

GOVERNMENT LOT LINE

±31.7'

66' | 49.50'

20.00' | 11.50' | 15.5'

LOT 1
VOL. 1 CSM PG. 1404
DOC. #632279

LOT 2
VOL. 1 CSM PG. 6514
DOC. #1563619

LOT 1
VOL. 1 CSM PG. 6514
DOC. #1563619

LOT 1
VOL. 1 CSM PG. 7267
DOC. #1750470

OMRO

MATCHLINE STA. 85+50

DETAIL 2
1"=10'

DETAIL 3
1"=10'

SHEET LOCATION

1" = 500'

E. RIVER DR. | CITY OF OMRO | FOX RIVER | MAIN ST. | STH 21 | WEBSTER | E. HURON | MADISON | MONROE | QUINCY | JACKSON | VAN BUREN

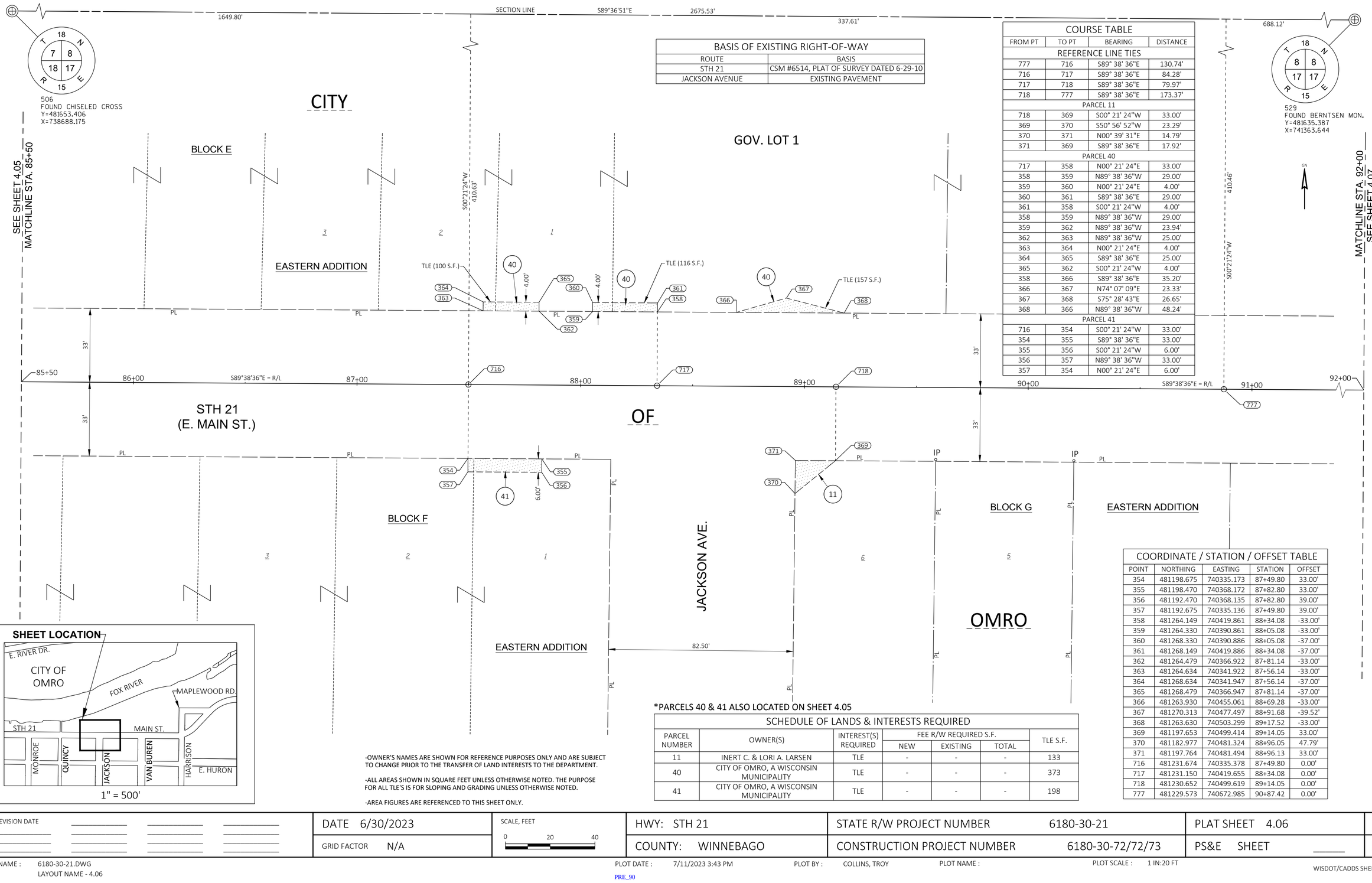
REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 20 40	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.05	
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET ____	E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.05

PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT

PRE_89

WISDOT/CADDS SHEET 75



BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	CSM #6514, PLAT OF SURVEY DATED 6-29-10
JACKSON AVENUE	EXISTING PAVEMENT

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
777	716	S89° 38' 36"E	130.74'
716	717	S89° 38' 36"E	84.28'
717	718	S89° 38' 36"E	79.97'
718	777	S89° 38' 36"E	173.37'
PARCEL 11			
718	369	S00° 21' 24"W	33.00'
369	370	S50° 56' 52"W	23.29'
370	371	N00° 39' 31"E	14.79'
371	369	S89° 38' 36"E	17.92'
PARCEL 40			
717	358	N00° 21' 24"E	33.00'
358	359	N89° 38' 36"W	29.00'
359	360	N00° 21' 24"E	4.00'
360	361	S89° 38' 36"E	29.00'
361	358	S00° 21' 24"W	4.00'
358	359	N89° 38' 36"W	29.00'
359	362	N89° 38' 36"W	23.94'
362	363	N89° 38' 36"W	25.00'
363	364	N00° 21' 24"E	4.00'
364	365	S89° 38' 36"E	25.00'
365	362	S00° 21' 24"W	4.00'
358	366	S89° 38' 36"E	35.20'
366	367	N74° 07' 09"E	23.33'
367	368	S75° 28' 43"E	26.65'
368	366	N89° 38' 36"W	48.24'
PARCEL 41			
716	354	S00° 21' 24"W	33.00'
354	355	S89° 38' 36"E	33.00'
355	356	S00° 21' 24"W	6.00'
356	357	N89° 38' 36"W	33.00'
357	354	N00° 21' 24"E	6.00'

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-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

*PARCELS 40 & 41 ALSO LOCATED ON SHEET 4.05

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
11	INERT C. & LORI A. LARSEN	TLE	-	-	-	133
40	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	373
41	CITY OF OMRO, A WISCONSIN MUNICIPALITY	TLE	-	-	-	198

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
354	481198.675	740335.173	87+49.80	33.00'
355	481198.470	740368.172	87+82.80	33.00'
356	481192.470	740368.135	87+82.80	39.00'
357	481192.675	740335.136	87+49.80	39.00'
358	481264.149	740419.861	88+34.08	-33.00'
359	481264.330	740390.861	88+05.08	-33.00'
360	481268.330	740390.886	88+05.08	-37.00'
361	481268.149	740419.886	88+34.08	-37.00'
362	481264.479	740366.922	87+81.14	-33.00'
363	481264.634	740341.922	87+56.14	-33.00'
364	481268.634	740341.947	87+56.14	-37.00'
365	481268.479	740366.947	87+81.14	-37.00'
366	481263.930	740455.061	88+69.28	-33.00'
367	481270.313	740477.497	88+91.68	-39.52'
368	481263.630	740503.299	89+17.52	-33.00'
369	481197.653	740499.414	89+14.05	33.00'
370	481182.977	740481.324	88+96.05	47.79'
371	481197.764	740481.494	88+96.13	33.00'
716	481231.674	740335.378	87+49.80	0.00'
717	481231.150	740419.655	88+34.08	0.00'
718	481230.652	740499.619	89+14.05	0.00'
777	481229.573	740672.985	90+87.42	0.00'

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 20 40	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.06
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-72/72/73	PS&E SHEET ____ E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.06

PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PRE_90 PLOT SCALE : 1 IN:20 FT

4

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
126	481194.742	740967.140	93+81.78	33.00'
127	481188.229	740955.848	93+70.53	39.58'
128	481194.812	740955.926	93+70.57	33.00'
372	481194.646	740982.581	93+97.22	33.00'
373	481192.905	740982.571	93+97.22	34.74'
374	481190.162	740975.846	93+90.52	37.53'
375	481189.281	740973.120	93+87.80	38.42'
376	481192.493	740963.951	93+78.61	35.27'
377	481181.494	740955.768	93+70.49	46.32'
378	481260.850	740950.015	93+64.25	-33.00'
379	481264.850	740950.040	93+64.25	-37.00'
380	481264.657	740981.040	93+95.25	-37.00'
381	481260.657	740981.015	93+95.25	-33.00'
720	481228.250	740885.565	93+00.00	0.00'
721	481227.850	740949.810	93+64.25	0.00'
722	481227.741	740967.346	93+81.78	0.00'
778	481227.222	741050.838	94+65.28	0.00'

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	PLAT OF SURVEYS DATED 6-29-10 AND 10-5-11
VAN BUREN AVENUE	EXISTING MONUMENTATION

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
720	721	S89° 38' 36"E	64.25'
721	722	S89° 38' 36"E	17.54'
722	778	S89° 38' 36"E	83.49'
PARCEL 12			
722	126	S00° 21' 24"W	33.00'
126	127	S60° 01' 33"W	13.04'
127	128	N00° 40' 43"E	6.58'
128	126	S89° 38' 36"E	11.21'
126	372	S89° 38' 36"E	15.44'
372	373	S00° 21' 24"W	1.74'
373	374	S67° 48' 21"W	7.26'
374	375	S72° 05' 53"W	2.86'
375	376	N70° 41' 38"W	9.72'
376	377	S36° 38' 51"W	13.71'
377	127	N00° 40' 43"E	6.74'
PARCEL 13			
721	378	N00° 21' 24"E	33.00'
378	379	N00° 21' 24"E	4.00'
379	380	S89° 38' 36"E	31.00'
380	381	S00° 21' 24"W	4.00'
381	378	N89° 38' 36"W	31.00'

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-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
12	COURTNEY J. & CLIFTON L. WRIGHT	FEE & TLE	37	-	37	96
13	DONALD C. & JANE M. CHASE	TLE	-	-	-	124

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 10 20	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.07
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET ____ E

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
QUARTER SECTION LINE TIES			
529	723	S00° 40' 52"W	336.78'
723	724	S00° 40' 52"W	33.51'
726	727	S00° 40' 52"W	20.87'
727	504	S00° 40' 52"W	2194.08'
REFERENCE LINE TIES			
529	779	S29° 09' 54"W	468.03'
724	725	S00° 40' 52"W	28.16'
725	726	S00° 40' 52"W	23.98'
PARCEL 14			
727	382	N89° 19' 08"W	33.00'
382	383	S00° 40' 52"W	2.50'
383	384	N89° 38' 36"W	18.00'
384	385	N00° 40' 28"E	2.50'
385	382	S89° 38' 36"E	18.00'
PARCEL 15			
724	132	N89° 19' 08"W	31.22'
132	129	S00° 48' 23"W	7.00'
129	130	N89° 38' 36"W	29.55'
130	131	N00° 21' 24"E	2.08'
131	132	N80° 56' 00"E	30.01'
PARCEL 16			
726	386	S89° 19' 08"E	33.00'
386	387	SEE CURVE 1 DATA	
387	388	S21° 43' 39"E	4.35'
388	389	S69° 16' 14"W	17.00'
389	386	N00° 40' 52"E	4.73'
PARCEL 17			
723	390	S89° 19' 08"E	42.97'
390	391	N60° 26' 14"E	10.77'
391	392	S29° 33' 46"E	8.57'
392	393	SEE CURVE 2 DATA	
393	390	N57° 55' 11"W	9.66'
728	394	N46° 04' 30"W	33.00'
394	395	S43° 55' 30"W	15.55'
395	396	N01° 18' 24"W	5.53'
396	397	N53° 11' 33"E	12.91'
397	394	S15° 45' 49"E	2.14'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
129	481258.498	741327.925	97+47.73	-27.88'
130	481258.681	741298.379	97+15.41	-31.93'
131	481260.766	741298.392	97+15.61	-34.01'
132	481265.494	741328.023	97+49.25	-34.75'
382	481192.512	741325.376	97+34.79	36.85'
383	481190.012	741325.347	97+34.45	39.32'
384	481190.124	741307.347	97+18.49	37.14'
385	481192.624	741307.376	97+18.72	34.65'
386	481212.599	741391.620	97+97.17	33.00'
387	481217.933	741405.848	98+10.94	33.00'
388	481213.889	741407.459	98+10.93	37.35'
389	481207.874	741391.564	97+95.72	37.44'
390	481298.115	741402.603	98+41.73	-41.36'
391	481303.428	741411.970	98+54.11	-41.57'
392	481295.973	741416.198	98+54.11	-33.00'
393	481292.983	741410.791	98+47.22	-33.00'
394	481459.630	741590.162	101+03.31	-33.00'
395	481448.428	741579.373	100+87.76	-33.00'
396	481453.960	741579.247	100+91.66	-36.93'
397	481461.692	741589.580	101+04.39	-34.85'
723	481298.626	741359.640	97+95.05	-58.76'
724	481265.123	741359.242	97+82.76	-26.98'
725	481236.970	741358.907	97+74.34	0.00'
726	481212.991	741358.622	97+68.22	23.13'
727	481192.120	741358.374	97+63.53	43.35'
728	481436.737	741613.930	101+03.31	0.00'
779	481226.694	741135.560	95+50.00	0.00'

SEE SHEET 4.07
MATCHLINE STA. 95+00

529
FOUND BERNTSEN MON.
Y=481635.387
X=741363.644

SECTION LINE S89°58'10"E 2698.03'
250.39' 2447.64'

MAPLEWOOD RD.
66' R/W

801
NOT RECOVERED
COMPUTED FROM TIES
Y=481633.948
X=744061.674

LOT 1
CSM #6217
DOC. #1464730

MAPLEWOOD RD.
S00°40'52"W 2637.38'
QUARTER SECTION LINE
S00°40'52"W 336.78'

CITY OF OMRO

PLAT OF OUTLOTS
SOUTH OF FOX RIVER

LOT 94

GOV. LOT 1

BLOCK H
EASTERN ADDITION

CURVE TABLE						
CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING	TANGENT
C1	15.20'	351.31'	2°28'42"	15.20'	N69°26'53"E	7.60'
C2	6.18'	285.31'	1°14'27"	6.18'	S61°03'27"W	3.09'

PI STA = 98+24.43
Y = 481224.986
X = 741409.981
DELTA = 46°25'54" LT
D = 18°00'00"
T = 136.53'
L = 257.95'
R = 318.31'
PC STA = 96+87.89
Y = 481225.836
X = 741273.451
PT STA = 99+45.85
Y = 481323.323
X = 741504.695
DB = S89°38'36"E
DA = N43°55'30"E

NW-NE

STH 21
(E. MAIN ST.)
N43°55'30"E = R/L

T.L.E. (72 S.F.)
T.L.E. (43 S.F.)

PT: 99+45.85

S29°09'54"W 468.03'
S00°01'50"W 198.52'

95+00 96+00 97+00 98+00 99+00 100+00 101+00
S89°38'36"E = R/L
PC: 96+87.89
97+74.34

33' 66' 21'

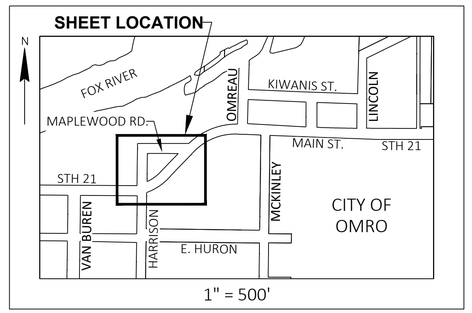
OMRO

HARRISON AVE.

504
FOUND BERNTSEN MON.
Y=478998.195
X=741332.290

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	R/W PROJECT NO. 6184-07-21
MAPLEWOOD ROAD	CSM #6217, CSM #6781
HARRISON AVENUE	CSM #1957

SHEET LOCATION



1" = 500'

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	16
101	CITY OF OMRO - WATER	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	15

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
14	BW ENTERPRISES I, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	45
15	STEVEN L. FRANZ & LORI A. LUEBKE	FEE	134	-	134	-
16	MESUM FAMILY TRUST, DATED NOVEMBER 22, 2019	TLE	-	-	-	70
17	WILLIAM SEUFFER & PEGGY A. SEUFFER REVOCABLE TRUST, DATED OCTOBER 26, 2018	TLE	-	-	-	115

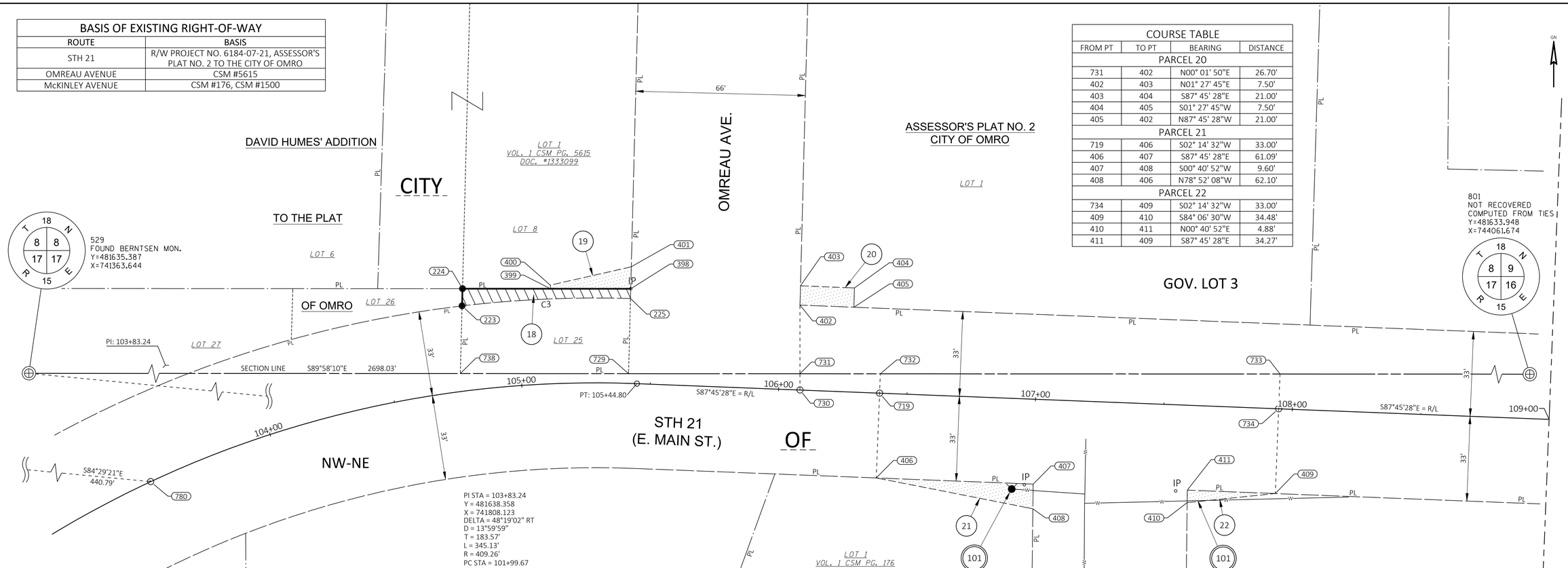
REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 20 40	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.08
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET ____ E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.08

PLOT DATE : 7/11/2023 3:43 PM PLOT BY : COLLINS, TROY PLOT NAME : PRE_92 PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 75

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	R/W PROJECT NO. 6184-07-21, ASSESSOR'S PLAT NO. 2 TO THE CITY OF OMRO
OMREAU AVENUE	CSM #5615
McKINLEY AVENUE	CSM #176, CSM #1500



COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
PARCEL 20			
731	402	N00° 01' 50"E	26.70'
402	403	N01° 27' 45"E	7.50'
403	404	S87° 45' 28"E	21.00'
404	405	S01° 27' 45"W	7.50'
405	402	N87° 45' 28"W	21.00'
PARCEL 21			
719	406	S02° 14' 32"W	33.00'
406	407	S87° 45' 28"E	61.09'
407	408	S00° 40' 52"W	9.60'
408	406	N78° 52' 08"W	62.10'
PARCEL 22			
734	409	S02° 14' 32"W	33.00'
409	410	S84° 06' 30"W	34.48'
410	411	N00° 40' 52"E	4.88'
411	409	S87° 45' 28"E	34.27'

CURVE TABLE						
CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING	TANGENT
C3	65.64'	442.26'	8°30'15"	65.58'	S87°30'02"W	32.88'

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
101	CITY OF OMRO - WATER	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	21, 22

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

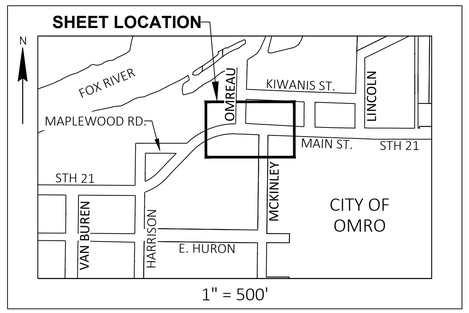
-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
18	DAVID HUMES	FEE	288	1871	2159	-
19	MICHAEL E. & JODI K. DAHLKE	TLE	-	-	-	156
20	JOHN SNYDER, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	158
21	ARLO A. SORENSON	TLE	-	-	-	293
22	VALLEY APARTMENT RENTAL, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	84

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
529	738	S89° 58' 10"E	559.23'
729	731	S89° 58' 10"E	66.69'
731	732	S89° 58' 10"E	31.26'
731	730	S00° 01' 50"W	6.33'
730	719	S87° 45' 28"E	30.99'
719	734	S87° 45' 28"E	155.38'
732	733	S89° 58' 10"E	155.50'
732	719	S02° 14' 32"W	7.53'
733	734	S02° 14' 32"W	13.53'
733	801	S89° 58' 10"E	1819.90'
529	780	S84° 29' 21"E	440.79'
PARCEL 18			
738	223	N01° 27' 45"E	26.34'
223	224	N01° 27' 45"E	6.67'
224	398	S89° 58' 10"E	65.45'
398	225	S01° 27' 45"W	3.77'
225	223	SEE CURVE 3 DATA	
225	729	S01° 27' 45"W	29.24'
738	729	S89° 58' 10"E	65.45'
PARCEL 19			
729	398	N01° 27' 45"E	33.01'
398	399	N89° 58' 10"W	31.20'
399	400	N02° 15' 28"W	1.41'
400	401	N77° 11' 18"E	32.28'
401	398	S01° 27' 45"W	8.59'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
223	481661.422	741923.551	104+80.56	-33.00'
224	481668.085	741923.721	104+81.42	-39.60'
225	481664.282	741989.071	105+41.30	-33.00'
398	481668.050	741989.171	105+41.29	36.77'
399	481668.067	741957.966	105+12.65	-36.92'
400	481669.474	741957.910	105+12.65	-38.33'
401	481676.632	741989.386	105+41.24	-45.35'
402	481661.716	742055.027	106+07.02	-33.00'
403	481669.214	742055.218	106+06.92	-40.50'
404	481668.392	742076.204	106+27.92	-40.50'
405	481660.894	742076.012	106+28.03	-33.00'
406	481594.504	742084.690	106+39.29	33.00'
407	481592.114	742145.733	107+00.38	33.00'
408	481582.515	742145.619	107+00.65	42.60'
409	481588.424	742239.953	107+94.68	33.00'
410	481584.885	742205.651	107+60.54	37.88'
411	481589.765	742205.709	107+60.41	33.00'
719	481627.478	742085.981	106+39.29	0.00'
729	481635.054	741988.324	105+41.45	-3.76'
730	481628.691	742055.009	106+08.30	0.00'
731	481635.018	742055.012	106+08.05	-6.32'
732	481635.002	742086.276	106+39.29	-7.53'
733	481634.919	742241.774	107+94.68	-13.53'
734	481621.399	742241.244	107+94.68	0.00'
738	481635.089	741922.879	104+76.86	-6.95'
780	481593.056	741802.395	140+50.00	0.00'



REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 20 40	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.09	
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET	E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.09

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT

PRE_93

WISDOT/CADDS SHEET 75

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	ASSESSOR'S PLAT NO. 2 TO THE CITY OF OMRO, CSM #1938, CSM #7355
BECKWITH AVENUE	ASSESSOR'S PLAT NO. 2 TO THE CITY OF OMRO
LINCOLN AVENUE	ASSESSOR'S PLAT NO. 2 TO THE CITY OF OMRO

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
101	CITY OF OMRO - WATER	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	22

ASSESSOR'S PLAT NO. 2
CITY OF OMRO

BECKWITH'S ADDITION

GOV. LOT 3

GOV. LOT 2

CITY

OF

OMRO

NW-NE

NE-NE

BECKWITH AVE.

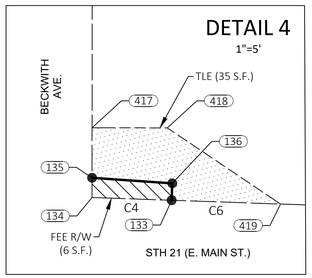
LINCOLN AVE.

GOVERNMENT LOT LINE

SIXTEENTH LINE

PI STA = 111+75.31
Y = 481606.507
X = 742621.590
DELTA = 1°33'00" LT
D = 0°30'00"
T = 155.00'
L = 309.98'
R = 11458.45'
PC STA = 110+20.31
Y = 481612.571
X = 742466.709
PT STA = 113+30.30
Y = 481604.634
X = 742776.579
DB = S87°45'28"E
DA = S89°18'28"E

DETAIL 4
1"=5'



529
FOUND BERNTSEN MON.
Y=481635.387
X=741363.644

801
NOT RECOVERED
COMPUTED FROM TIES
Y=481633.948
X=744061.674

SECTION LINE S89°58'10"E 2698.03'

S87°45'28"E = R/L

S89°18'28"E = R/L

S89°47'31"E = R/L

109+00 110+00 111+00 112+00 113+00 114+00

PC: 110+20.31

PT: 113+30.30

PI: 111+75.31

PI: 114+16.78
Y: 481603.590
X: 742863.053

33'

VARIES

72'

66'

TLE (169 S.F.)

FEE R/W (23 S.F.)

C5 C7

30' INGRESS/EGRESS EASEMENT PER CSM 5277 AND CSM 7355 (APPROX. LOCATION SHOWN - NO SPECIFIC LOCATION DESCRIBED)

LOT 1 CSM #7355 DOC. #1764863

LOT 1 VOL. 1 CSM PG. 1938 DOC. #712322

UNPLATTED LANDS

LOT 2 CSM #5277 DOC. #1258016

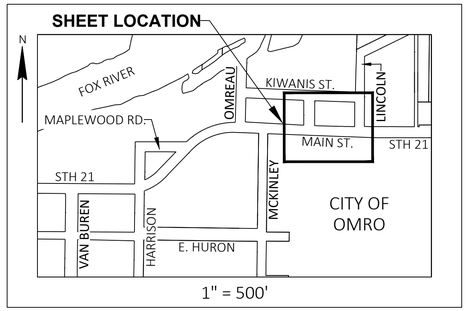
SEE SHEET 4.09
MATCHLINE STA. 109+00

SEE DETAIL 4

PARCEL 25 EXIST. R/W COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
138	226	S88° 22' 22"E	197.25'
226	227	S87° 57' 54"E	2.05'
227	228	N00° 52' 45"E	62.60'
228	229	N89° 58' 10"W	199.37'
229	138	S00° 48' 51"W	57.03'

CURVE TABLE						
CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH	CHORD BEARING	TANGENT
C4	5.25'	11425.45'	0°01'35"	5.25'	N87°59'48"W	2.63'
C5	12.97'	11425.45'	0°03'54"	12.97'	N89°16'31"W	6.48'
C6	7.19'	11425.45'	0°02'10"	7.19'	S88°01'40"E	3.60'
C7	20.67'	11425.45'	0°06'13"	20.67'	N89°11'27"W	10.34'

SHEET LOCATION



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-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
22	VALLEY APARTMENT RENTAL, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	49	-	49	280
23	MARINE TOPS UNLIMITED LLC	TLE	-	-	-	168
24	MAIN AUTOMOTIVE, LLP, A WISCONSIN LIMITED LIABILITY PARTNERSHIP	FEE & TLE	29	-	29	204
25	TANNAN PROPERTIES, LLC, A WISCONISN LIMITED LIABILITY COMPANY	FEE & TLE	4	11920	11924	66
26	SELENE E. SLAETS	TLE	-	-	-	63
27	JMK, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	24

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
133	481643.690	742518.227	110+70.72	-33.00'
134	481643.874	742512.976	110+65.45	-33.00'
135	481645.174	742512.976	110+65.41	-34.30'
136	481644.805	742518.266	110+70.72	-34.12'
137	481579.106	742477.957	110+32.83	33.01'
138	481577.754	742512.474	110+67.27	33.10'
139	481577.542	742519.928	110+74.71	33.05'
140	481576.161	742508.801	110+63.67	34.82'
141	481576.926	742489.254	110+44.16	34.76'
142	481637.796	742764.013	113+17.29	-33.00'
143	481641.143	742776.979	113+30.25	-36.51'
144	481637.632	742776.977	113+30.29	-33.00'
226	481572.153	742709.646	112+63.95	33.48'
227	481572.080	742711.698	112+66.00	33.52'
228	481634.668	742712.659	112+65.85	-29.08'
229	481634.774	742513.285	110+66.08	-23.92'
412	481648.138	742401.790	109+54.05	-33.00'
413	481655.156	742440.981	109+92.94	-41.55'
414	481646.605	742440.977	109+93.27	-33.00'
415	481569.611	742477.631	110+32.86	42.51'
416	481567.968	742519.599	110+74.71	42.63'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
417	481648.471	742512.978	110+65.29	-37.59'
418	481648.469	742517.941	110+70.27	-37.77'
419	481643.443	742525.413	110+77.93	-33.00'
420	481638.088	742743.343	112+96.56	-33.00'
421	481641.169	742761.550	113+14.78	-36.34'
422	481655.191	742776.986	113+30.09	-50.56'
423	481636.622	742854.310	114+07.63	-32.92'
424	481636.663	742842.977	113+96.30	-32.83'
425	481643.954	742842.980	113+96.22	-40.12'
426	481640.459	742854.357	114+07.63	-36.76'
427	481567.501	742840.568	113+94.73	36.36'
428	481567.075	742852.561	114+06.73	36.64'
429	481565.076	742852.490	114+06.68	38.64'
430	481565.502	742840.497	113+94.68	38.36'
735	481634.834	742401.269	109+54.05	-19.69'
736	481615.164	742400.499	109+54.05	0.00'
737	481634.792	742479.873	110+32.62	-22.71'
739	481634.771	742517.917	110+70.72	-24.08'
740	481634.640	742763.971	113+17.29	-29.84'
741	481634.599	742841.379	113+94.73	-30.75'
742	481634.592	742854.286	114+07.63	-30.89'
743	481603.700	742853.912	114+07.63	0.00'

R/L TIES COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
529	735	S89° 58' 10"E	1037.63'
735	736	S02° 14' 32"W	19.69'
735	737	S89° 58' 10"E	78.60'
737	739	S89° 58' 10"E	38.04'
739	740	S89° 58' 10"E	246.05'
740	741	S89° 58' 10"E	77.41'
741	742	S89° 58' 10"E	12.91'
742	743	S00° 41' 32"W	30.89'
742	801	S89° 58' 10"E	1207.39'

PARCEL 23 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
735	412	N02° 14' 32"E	13.31'
412	413	N79° 50' 53"E	39.81'
413	414	S00° 01' 38"W	8.55'
414	412	N87° 45' 35"W	39.22'

PARCEL 22 AND 25 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
737	137	S01° 58' 13"W	55.72'
137	138	S87° 45' 28"E	34.54'
138	139	S88° 22' 22"E	7.46'
139	140	S82° 55' 22"W	11.21'
140	141	N87° 45' 28"W	19.56'
141	137	N79° 04' 48"W	11.50'
137	415	S01° 58' 13"W	9.50'
415	416	S87° 45' 28"E	42.00'
416	139	N01° 58' 13"E	9.58'

PARCEL 24 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
739	133	N01° 59' 25"E	8.92'
133	134	SEE CURVE 4 DATA	
134	135	N00° 01' 38"E	1.30'
135	136	S86° 00' 17"E	5.30'
136	133	S01° 59' 25"W	1.12'
135	417	N00° 01' 38"E	3.30'
417	418	S89° 58' 22"E	4.96'
418	419	S56° 04' 29"E	9.01'
419	133	SEE CURVE 6 DATA	
740	142	N00° 45' 26"E	3.16'
142	143	N75° 31' 35"E	13.39'
143	144	S00° 01' 38"W	3.51'
144	142	SEE CURVE 5 DATA	
142	420	SEE CURVE 7 DATA	
420	421	N80° 23' 44"E	18.47'
421	422	N47° 44' 45"E	20.85'
422	143	S00° 01' 38"W	14.05'

PARCEL 26 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
742	423	N00° 41' 32"E	2.03'
423	424	N89° 47' 31"W	11.33'
424	425	N00° 01' 38"E	7.29'
425	426	S72° 55' 06"E	11.90'
426	423	S00° 41' 32"W	3.84'

PARCEL 27 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
741	427	S00° 41' 32"W	67.10'
427	428	S87° 57' 54"E	12.00'
428	429	S02° 02' 06"W	2.00'
429	430	N87° 57' 54"W	12.00'
430	427	N02° 02' 06"E	2.00'

REVISION DATE

DATE 6/30/2023

GRID FACTOR N/A

SCALE, FEET 0 20 40

HWY: STH 21

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 6180-30-21

CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.10

PS&E SHEET _____ E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.10

PLOT DATE : 7/11/2023 3:44 PM

PLOT BY : COLLINS, TROY

PLOT NAME :

PLOT SCALE : 1 IN:20 FT

PRE_94

WISDOT/CADDS SHEET 75

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	R/W PROJECT NO. 6184-07-21, PLAT OF SURVEY DATED 8-18-21
INDUSTRIAL DRIVE	PLAT OF OMRO INDUSTRIAL PARK

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	28
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	DOC. #211136	28

CITY

GOV. LOT 2

OF

NE-NE

NW-NW

UNPLATTED LANDS

INDUSTRIAL DR.

OMRO

II

PLAT OF OMRO INDUSTRIAL PARK

4

4

PL

SECTION LINE S89°58'10"E 2698.03'

S01°04'32"W 2658.80'

SECTION LINE

STH 21
(E. MAIN ST.)
-R/W VARIES-

STH 21
(E. MAIN ST.)

50'

70'

±34.6'

66'

GN

751 752 745 746 744 431 432 433

124+00 125+00 126+00

S89°47'31"E = R/L

UTILITY EASEMENT TO WISCONSIN POWER & LIGHT
DOC. #211136

1'

107 28 100

529
FOUND BERNTSEN MON.
Y=481635.387
X=741363.644

801
NOT RECOVERED
COMPUTED FROM TIES
Y=481633.948
X=744061.674

802
NOT RECOVERED
POSITION PER SECTION SUMMARY
Y=478975.616
X=744011.765

T 18 N
R 15 E
8 9
17 16

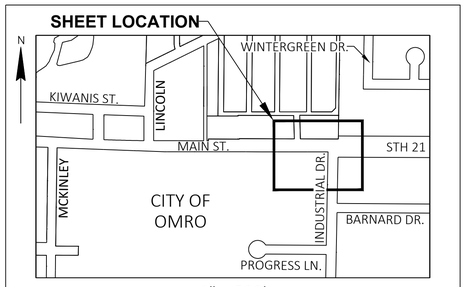
T 18 N
R 15 E
8 8
17 17

T 18 N
R 15 E
17 16

COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
REFERENCE LINE TIES			
801	745	N89° 58' 10"W	79.37'
745	746	S00° 12' 29"W	34.47'
746	744	S89° 47' 31"E	78.84'
751	752	S00° 12' 29"W	34.04'
751	745	S89° 58' 10"E	135.91
752	746	S89° 47' 31"E	135.91'
801	744	S01° 04' 32"W	34.72'
744	802	S01° 04' 32"W	2624.08'
529	751	S89° 58' 10"E	2482.75'
PARCEL 28			
746	431	S00° 12' 29"W	34.81'
431	432	S89° 38' 21"E	12.31'
432	433	S01° 04' 32"W	4.08'
433	431	N71° 12' 56"W	12.92'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
431	481564.714	743982.055	125+35.91	34.81'
432	481564.636	743994.361	125+48.22	34.85'
433	481560.554	743994.284	125+48.16	38.93'
744	481599.239	744061.022	126+14.75	0.00'
745	481633.990	743982.307	125+35.91	-34.47'
746	481599.526	743982.181	125+35.91	0.00'
751	481634.063	743846.395	124+00.00	-34.04'
752	481600.019	743846.271	124+00.00	0.00'

SHEET LOCATION



1" = 500'

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
28	D&S ECKSTEIN PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	-	-	-	25

REVISION DATE

DATE 6/30/2023

GRID FACTOR N/A

SCALE, FEET 0 10 20

HWY: STH 21

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 6180-30-21

CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.11

PS&E SHEET _____ E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.11

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PRE_95 PLOT SCALE : 1 IN:10 FT

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #668042	29
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #668043	30
106	AT&T WISCONSIN	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	31, 33
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #668045	32
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	DOC. #211139	31
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	DOC. #211565	33
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	33

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	TPP NO. 6180-22-00-4.15 AND 4.16
REIGHMOOR ROAD	CSM #7800
CTH FF	TPP NO. 6180-22-00-4.15 AND 4.16

PARCEL 29 AND 30 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
747	434	N00° 14' 32"E	50.33'
434	435	N00° 14' 44"E	5.00'
435	436	S89° 45' 28"E	154.23'
436	437	N86° 23' 39"E	65.23'
437	438	S89° 45' 28"E	90.95'
438	439	S84° 36' 38"E	48.79'
439	440	S89° 45' 28"E	113.38'
440	441	N37° 58' 06"E	87.29'
441	442	S00° 37' 31"W	13.71'
442	443	S33° 37' 35"W	72.25'
443	434	N89° 45' 28"W	485.82'
756	441	N89° 22' 29"W	33.00'

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

*PARCELS 31, 32 & 33 ALSO LOCATED ON SHEET 4.13

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
29	DAVID J. SCHERER	TLE	-	-	-	2708
30	NATHAN A. & MARLENA M. ROSS	TLE	-	-	-	1801
*31	HARVE C. & RENE M. ROSS AND TOWERCO II, LLC.	FEE & TLE	1357	2473	3830	260
*32	BIG STORAGE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	13186	-	13186	-
*33	ANTHONY G. & VICTORIA A. POTRATZ	FEE	2967	2365	5332	-

PARCEL 30 AND 31 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
441	444	N00° 37' 31"E	33.89'
444	445	N89° 22' 29"W	15.00'
445	446	N00° 37' 31"E	57.00'
446	447	S89° 22' 29"E	15.00'
447	444	S00° 37' 31"W	57.00'

PARCEL 32 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
755	145	N00° 14' 32"E	75.13'
145	146	N88° 34' 45"W	513.31'
146	217	N06° 42' 53"W	136.01'
217	154	S89° 22' 29"E	42.62'
154	155	S16° 32' 39"E	79.09'
155	156	S28° 08' 56"E	62.52'
156	157	N88° 55' 09"E	259.88'
157	158	S86° 28' 53"E	174.96'
158	145	S00° 14' 32"W	10.56'

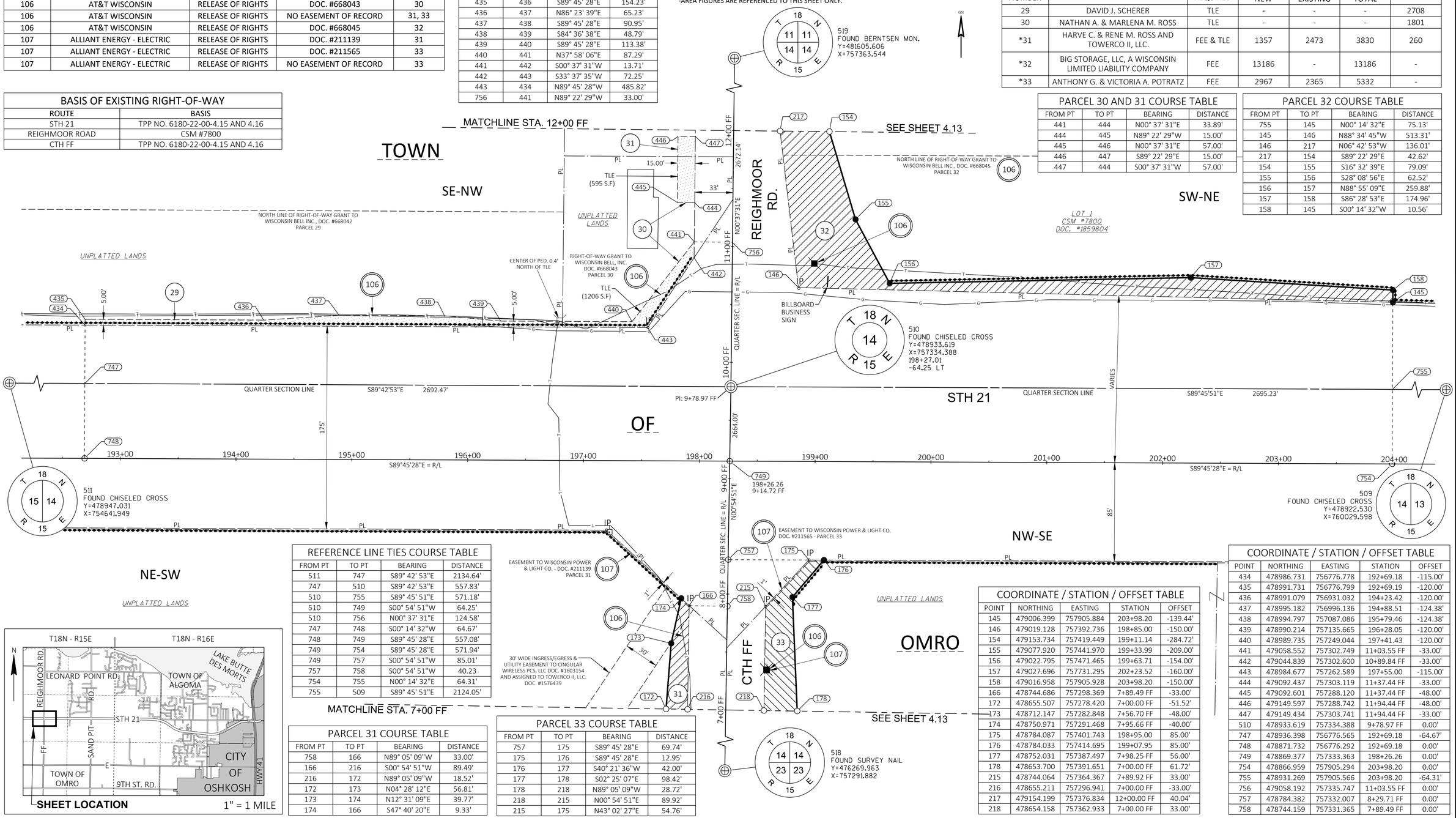
REFERENCE LINE TIES COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
511	747	S89° 42' 53"E	2134.64'
747	510	S89° 42' 53"E	557.83'
510	755	S89° 45' 51"E	571.18'
510	749	S00° 54' 51"W	64.25'
510	756	N00° 37' 31"E	124.58'
747	748	S00° 14' 32"W	64.67'
748	749	S89° 45' 28"E	557.08'
749	754	S89° 45' 28"E	571.94'
749	757	S00° 54' 51"W	85.01'
757	758	S00° 54' 51"W	40.23
754	755	N00° 14' 32"E	64.31'
755	509	S89° 45' 51"E	2124.05'

PARCEL 31 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
758	166	N89° 05' 09"W	33.00'
166	216	S00° 54' 51"W	89.49'
216	172	N89° 05' 09"W	18.52'
172	173	N04° 28' 12"E	56.81'
173	174	N12° 31' 09"E	39.77'
174	166	S47° 40' 20"E	9.33'

PARCEL 33 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
757	175	S89° 45' 28"E	69.74'
175	176	S89° 45' 28"E	12.95'
176	177	S40° 21' 36"W	42.00'
177	178	S02° 25' 07"E	98.42'
178	218	N89° 05' 09"W	28.72'
218	215	N00° 54' 51"E	89.92'
215	175	N43° 02' 27"E	54.76'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
145	479006.399	757905.884	203+98.20	-139.44'
146	479019.128	757392.736	198+85.00	-150.00'
154	479153.734	757419.449	199+11.14	-284.72'
155	479077.920	757441.970	199+33.99	-209.00'
156	479022.795	757471.465	199+63.71	-154.00'
157	479027.696	757731.295	202+23.52	-160.00'
158	479016.958	757905.928	203+98.20	-150.00'
166	478744.686	757298.369	7+89.49 FF	-33.00'
172	478655.507	757278.420	7+00.00 FF	-51.52'
173	478712.147	757282.848	7+56.70 FF	-48.00'
174	478750.971	757291.468	7+95.66 FF	-40.00'
175	478784.087	757401.743	198+95.00	85.00'
176	478784.033	757414.695	199+07.95	85.00'
177	478752.031	757387.497	7+98.25 FF	56.00'
178	478653.700	757391.651	7+00.00 FF	61.72'
215	478744.064	757364.367	7+89.92 FF	33.00'
216	478655.211	757296.941	7+00.00 FF	-33.00'
217	479154.199	757376.834	12+00.00 FF	40.04'
218	478654.158	757362.933	7+00.00 FF	33.00'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
434	478986.731	756776.778	192+69.18	-115.00'
435	478991.731	756776.799	192+69.19	-120.00'
436	478991.079	756931.032	194+23.42	-120.00'
437	478995.182	756996.136	194+88.51	-124.38'
438	478994.797	757087.086	195+79.46	-124.38'
439	478990.214	757135.665	196+28.05	-120.00'
440	478989.735	757249.044	197+41.43	-120.00'
441	479058.552	757302.749	11+03.55 FF	-33.00'
442	479044.839	757302.600	10+89.84 FF	-33.00'
443	478984.677	757262.589	197+55.00	-115.00'
444	479092.437	757303.119	11+37.44 FF	-33.00'
445	479092.601	757288.120	11+37.44 FF	-48.00'
446	479149.597	757288.742	11+94.44 FF	-48.00'
447	479149.434	757303.741	11+94.44 FF	-33.00'
510	478933.619	757334.388	9+78.97 FF	0.00'
747	478936.398	756776.565	192+69.18	-64.67'
748	478871.732	756776.292	192+69.18	0.00'
749	478869.377	757333.363	198+26.26	0.00'
754	478866.959	757905.294	203+98.20	0.00'
755	478931.269	757905.566	203+98.20	-64.31'
756	479058.192	757335.747	11+03.55 FF	0.00'
757	478784.382	757332.007	8+29.71 FF	0.00'
758	478744.159	757331.365	7+89.49 FF	0.00'



REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 40 80	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73

PLAT SHEET 4.12

PS&E SHEET _____ E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.12

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:40 FT

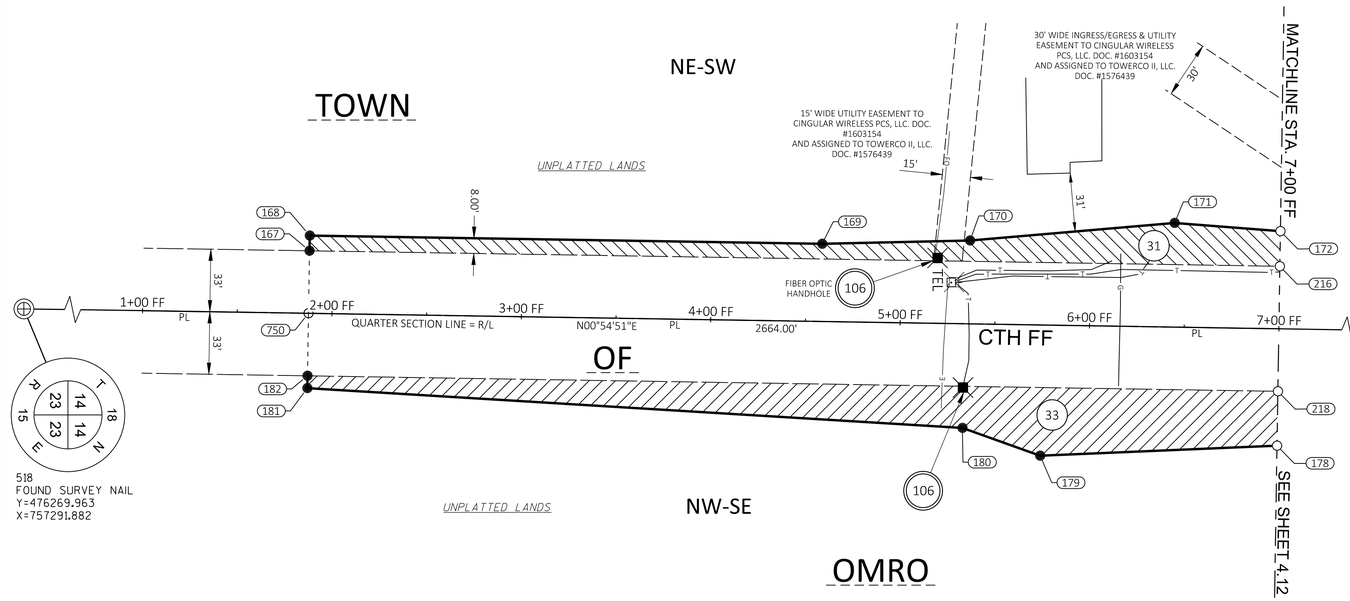
PRE_96

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
147	479208.903	757370.394	12+54.63 FF	33.00'
148	479679.048	757375.524	17+24.80 FF	33.00'
149	479679.016	757378.524	17+24.80 FF	36.00'
150	479576.345	757385.404	16+22.21 FF	44.00'
151	479388.902	757388.359	14+34.81 FF	49.00'
152	479282.190	757413.196	13+28.38 FF	75.00'
153	479237.041	757394.702	12+83.03 FF	57.00'
154	479153.734	757419.449	12+00.00 FF	82.65'
159	479285.372	757305.224	13+30.38 FF	-33.00'
160	479285.426	757300.225	13+30.38 FF	-38.00'
161	479343.832	757290.861	13+88.68 FF	-48.00'
162	479462.909	757301.161	15+07.87 FF	-39.00'
163	479525.296	757301.842	15+70.26 FF	-39.00'
164	479636.438	757306.055	16+81.44 FF	-36.00'
165	479636.405	757309.055	16+81.44 FF	-33.00'
178	478653.700	757391.651	7+00.00 FF	61.72'
179	478528.615	757396.934	5+75.02 FF	69.00'
180	478487.616	757382.278	5+33.79 FF	55.00'
181	478141.740	757361.256	1+87.62 FF	39.50'
182	478141.844	757354.757	1+87.62 FF	33.00'
217	479154.199	757376.834	12+00.00 FF	40.04'
448	479184.378	757304.122	12+29.38 FF	-33.00'
449	479184.541	757289.123	12+29.38 FF	-48.00'
450	479285.535	757290.225	13+30.38 FF	-48.00'
750	478142.370	757321.761	1+87.62 FF	0.00'
759	479285.012	757338.222	13+30.38 FF	0.00'
760	479636.045	757342.053	16+81.44 FF	0.00'
761	479679.409	757342.526	17+24.80 FF	0.00'

REFERENCE LINE TIES COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
518	750	N00° 54' 51"E	1872.65'
750	510	N00° 54' 51"E	791.35'
510	759	N00° 37' 31"E	351.41'
759	760	N00° 37' 31"E	351.05'
760	761	N00° 37' 31"E	43.37'
761	519	N00° 37' 31"E	1926.31'

PARCEL 31 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
750	167	N89° 05' 09"W	33.00'
167	168	N89° 05' 09"W	8.00'
168	169	N00° 54' 51"E	270.54'
169	170	N01° 17' 10"W	78.14'
170	171	N04° 54' 43"W	108.36'
171	172	N04° 28' 11"E	56.06'
172	216	S89° 05' 09"E	18.52'
216	167	S00° 54' 51"W	512.38'

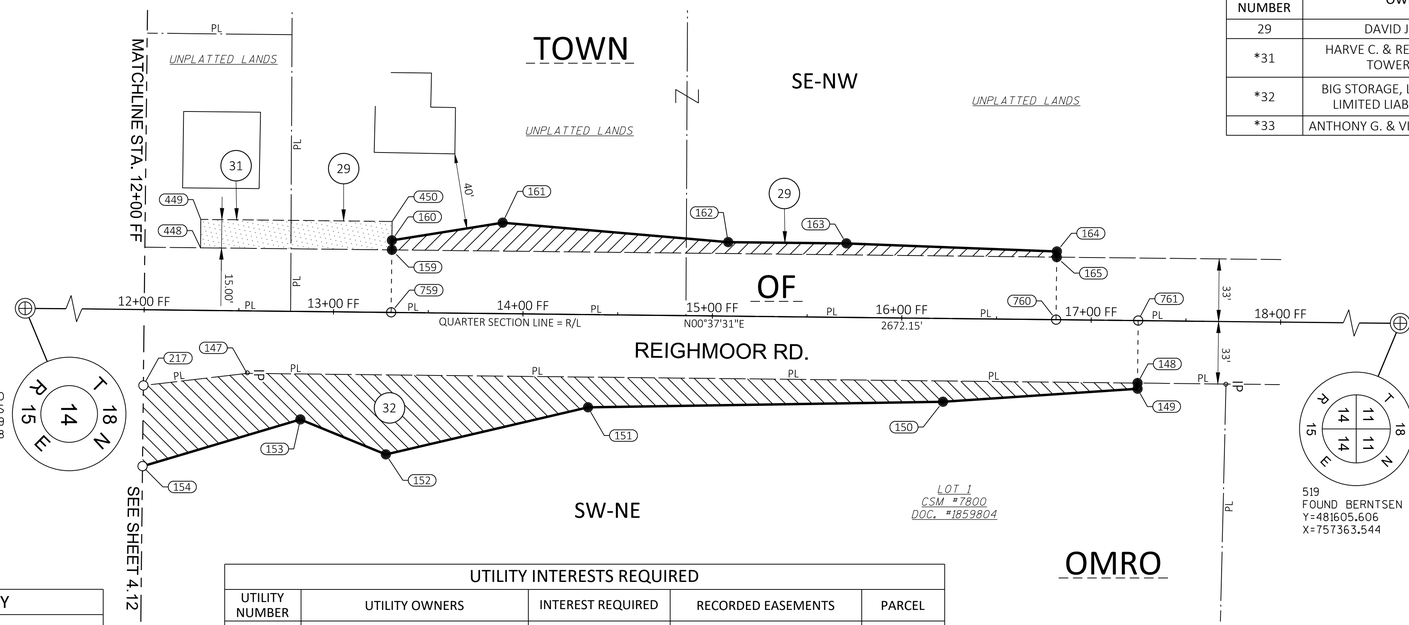
PARCEL 33 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
750	182	S89° 05' 09"E	33.00'
182	181	S89° 05' 09"E	6.50'
181	180	N03° 28' 41"E	346.51'
180	179	N19° 40' 14"E	43.54'
179	178	N02° 25' 07"W	125.20'
178	218	N89° 05' 09"W	28.72'
218	182	S00° 54' 51"W	512.38'



PARCEL 29 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
759	159	N89° 22' 29"W	33.00'
159	160	N89° 22' 29"W	5.00'
160	161	N09° 06' 28"W	59.15'
161	162	N04° 56' 37"E	119.52'
162	163	N00° 37' 31"E	62.39'
163	164	N02° 10' 15"E	111.22'
164	165	S89° 22' 29"E	3.00'
165	760	S89° 22' 29"E	33.00'
165	159	S00° 37' 31"W	351.05'

PARCEL 29 AND 31 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
159	448	S00° 37' 31"W	101.00'
448	449	N89° 22' 29"W	15.00'
449	450	N00° 37' 31"E	101.00'
450	159	S89° 22' 29"E	15.00'

PARCEL 32 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
761	148	S89° 22' 29"E	33.00'
148	149	S89° 22' 29"E	3.00'
149	150	S03° 50' 02"E	102.90'
150	151	S00° 54' 11"E	187.47'
151	152	S13° 06' 09"E	109.56'
152	153	S22° 16' 29"W	48.79'
153	154	S16° 32' 39"E	86.90'
154	217	N89° 22' 29"W	42.62'
217	147	N06° 42' 53"W	55.08'
147	148	N00° 37' 31"E	470.17'



*PARCELS 31, 32 & 33 ALSO LOCATED ON SHEET 4.12

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
29	DAVID J. SCHERER	FEE & TLE	2709	11585	14294	799
*31	HARVE C. & RENE M. ROSS AND TOWERCO II, LLC.	FEE & TLE	5819	16909	22728	716
*32	BIG STORAGE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	10697	-	10697	-
*33	ANTHONY G. & VICTORIA A. POTRATZ	FEE	10173	16909	27082	-

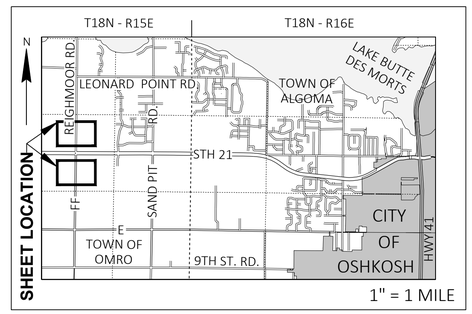
-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
REIGHMOOR ROAD	CSM #7800
CTH FF	TPP NO. 6180-22-00-4.15 AND 4.16

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
106	AT&T WISCONSIN	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	33
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #1603154	31



REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 40 80	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.13
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET ____ E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.13

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_97

WISDOT/CADDS SHEET 75

PARCEL 35 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
768	194	N00° 06' 14"E	62.51'
194	195	N89° 53' 46"W	389.34'
195	196	N41° 01' 18"W	38.51'
196	220	N05° 19' 24"W	120.16'
220	201	S89° 12' 49"E	24.79'
201	202	S12° 43' 07"E	84.96'
202	203	S41° 38' 27"E	58.29'
203	204	S89° 03' 44"E	343.62'
204	194	S00° 06' 14"W	17.00'
194	458	N00° 06' 14"E	5.00'
458	459	S89° 53' 46"E	105.99'
459	460	N88° 10' 34"E	124.58'
460	461	S01° 49' 26"E	5.00'
461	462	S88° 10' 34"W	124.67'
462	194	N89° 53' 46"W	106.08'

PARCEL 34 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
762	183	N00° 06' 14"E	62.09'
183	184	N77° 16' 11"E	108.83'
184	185	N38° 46' 37"E	98.76'
185	186	N02° 21' 47"W	48.62'
186	219	S89° 12' 49"E	33.67'
219	192	S00° 47' 11"W	41.84'
192	193	S46° 58' 55"W	157.44'
193	183	N89° 53' 46"W	83.99'

-OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

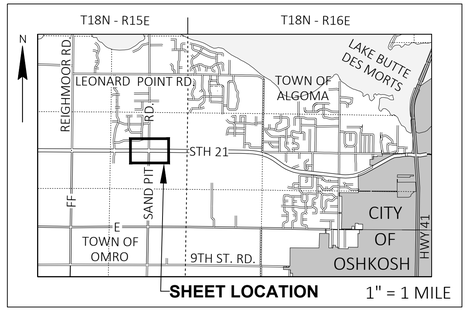
-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

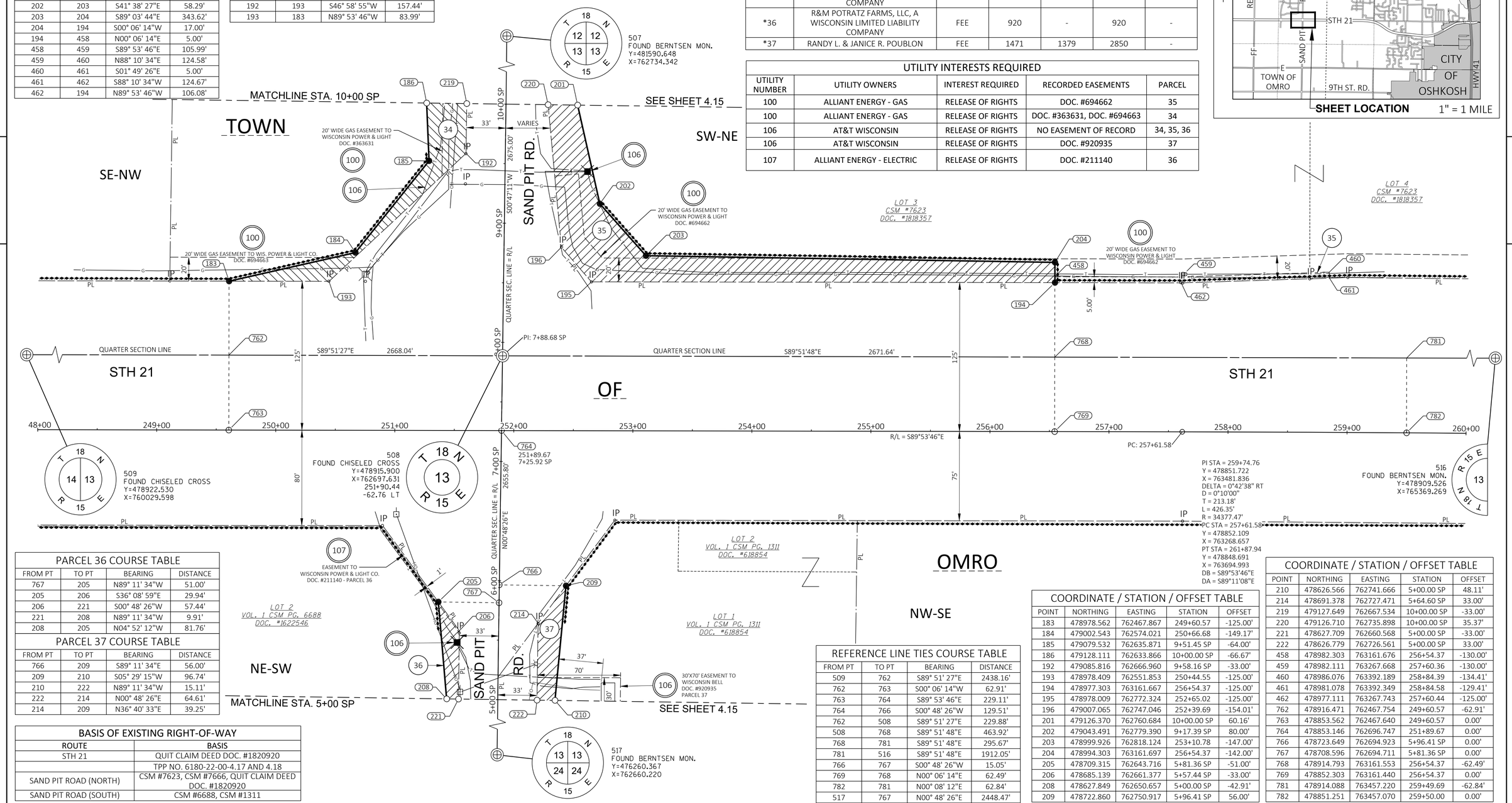
-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

*PARCELS 34, 35, 36 & 37 ALSO LOCATED ON SHEET 4.15

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
*34	MECHANICAL SERVICES INC.	FEE	3682	-	3682	-
*35	JONMAR INVESTMENTS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	12717	-	12717	1153
*36	R&M POTRATZ FARMS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE	920	-	920	-
*37	RANDY L. & JANICE R. POUBLON	FEE	1471	1379	2850	-

UTILITY INTERESTS REQUIRED				
UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	DOC. #694662	35
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	DOC. #363631, DOC. #694663	34
106	AT&T WISCONSIN	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	34, 35, 36
106	AT&T WISCONSIN	RELEASE OF RIGHTS	DOC. #920935	37
107	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	DOC. #211140	36





PARCEL 36 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
767	205	N89° 11' 34"W	51.00'
205	206	S36° 08' 59"E	29.94'
206	221	S00° 48' 26"W	57.44'
221	208	N89° 11' 34"W	9.91'
208	205	N04° 52' 12"W	81.76'

PARCEL 37 COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
766	209	S89° 11' 34"E	56.00'
209	210	S05° 29' 15"W	96.74'
210	222	N89° 11' 34"W	15.11'
222	214	N00° 48' 26"E	64.61'
214	209	N36° 40' 33"E	39.25'

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
STH 21	QUIT CLAIM DEED DOC. #1820920
	TPP NO. 6180-22-00-4.17 AND 4.18
SAND PIT ROAD (NORTH)	CSM #7623, CSM #7666, QUIT CLAIM DEED DOC. #1820920
SAND PIT ROAD (SOUTH)	CSM #6688, CSM #1311

REFERENCE LINE TIES COURSE TABLE			
FROM PT	TO PT	BEARING	DISTANCE
509	762	S89° 51' 27"E	2438.16'
762	763	S00° 06' 14"W	62.91'
763	764	S89° 53' 46"E	229.11'
764	766	S00° 48' 26"W	129.51'
762	508	S89° 51' 27"E	229.88'
508	768	S89° 51' 48"E	463.92'
768	781	S89° 51' 48"E	295.67'
781	516	S89° 51' 48"E	1912.05'
766	767	S00° 48' 26"W	15.05'
769	768	N00° 06' 14"E	62.49'
782	781	N00° 08' 12"E	62.84'
517	767	N00° 48' 26"E	2448.47'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
183	478978.562	762467.867	249+60.57	-125.00'
184	479002.543	762574.021	250+66.68	-149.17'
185	479079.532	762635.871	9+51.45 SP	-64.00'
186	479128.111	762633.866	10+00.00 SP	-66.67'
192	479085.816	762666.960	9+58.16 SP	-33.00'
193	478978.409	762551.853	250+44.55	-125.00'
194	478977.303	763161.667	256+54.37	-125.00'
195	478978.009	762772.324	252+65.02	-125.00'
196	479007.065	762747.046	252+39.69	-154.01'
201	479126.370	762760.684	10+00.00 SP	60.16'
202	479043.491	762779.390	9+17.39 SP	80.00'
203	478999.926	762818.124	253+10.78	-147.00'
204	478994.303	763161.697	256+54.37	-142.00'
205	478709.315	762643.716	5+81.36 SP	-51.00'
206	478685.139	762661.377	5+57.44 SP	-33.00'
208	478627.849	762650.657	5+00.00 SP	-42.91'
209	478722.860	762750.917	5+96.41 SP	56.00'

COORDINATE / STATION / OFFSET TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
210	478626.566	762741.666	5+00.00 SP	48.11'
214	478691.378	762727.471	5+64.60 SP	33.00'
219	479127.649	762667.534	10+00.00 SP	-33.00'
220	479126.710	762735.898	10+00.00 SP	35.37'
221	478627.709	762660.568	5+00.00 SP	-33.00'
222	478626.779	762726.561	5+00.00 SP	33.00'
458	478982.303	763161.676	256+54.37	-130.00'
459	478982.111	763267.668	257+60.36	-130.00'
460	478986.076	763392.189	258+84.39	-134.41'
461	478981.078	763392.349	258+84.58	-129.41'
462	478977.111	763267.743	257+60.44	-125.00'
762	478916.471	762467.754	249+60.57	-62.91'
763	478853.562	762467.640	249+60.57	0.00'
764	478853.146	762696.747	251+89.67	0.00'
766	478723.649	762694.923	5+96.41 SP	0.00'
767	478708.596	762694.711	5+81.36 SP	0.00'
768	478914.793	763161.553	256+54.37	-62.49'
769	478852.303	763161.440	256+54.37	0.00'
781	478914.088	763457.220	259+49.69	-62.84'
782	478851.251	763457.070	259+50.00	0.00'

REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 40 80	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.14
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET ____ E

*PARCELS 34, 35, 36 & 37 ALSO LOCATED ON SHEET 4.14

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	FEE R/W REQUIRED S.F.			TLE S.F.
			NEW	EXISTING	TOTAL	
31	HARVE C. & RENE M. ROSS	FEE & TLE	2273	-	2273	340
*34	MECHANICAL SERVICES INC.	FEE	5782	-	5782	-
*35	JONMAR INVESTMENTS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	2705	-	2705	1880
*36	R&M POTRATZ FARMS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE & TLE	494	-	494	901
*37	RANDY L. & JANICE R. POUBLON	FEE	159	367	526	-
38	JAMES B. & MARGARET A. POTRATZ	FEE	2020	7348	9368	-

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-ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED. THE PURPOSE FOR ALL TLE'S IS FOR SLOPING AND GRADING UNLESS OTHERWISE NOTED.

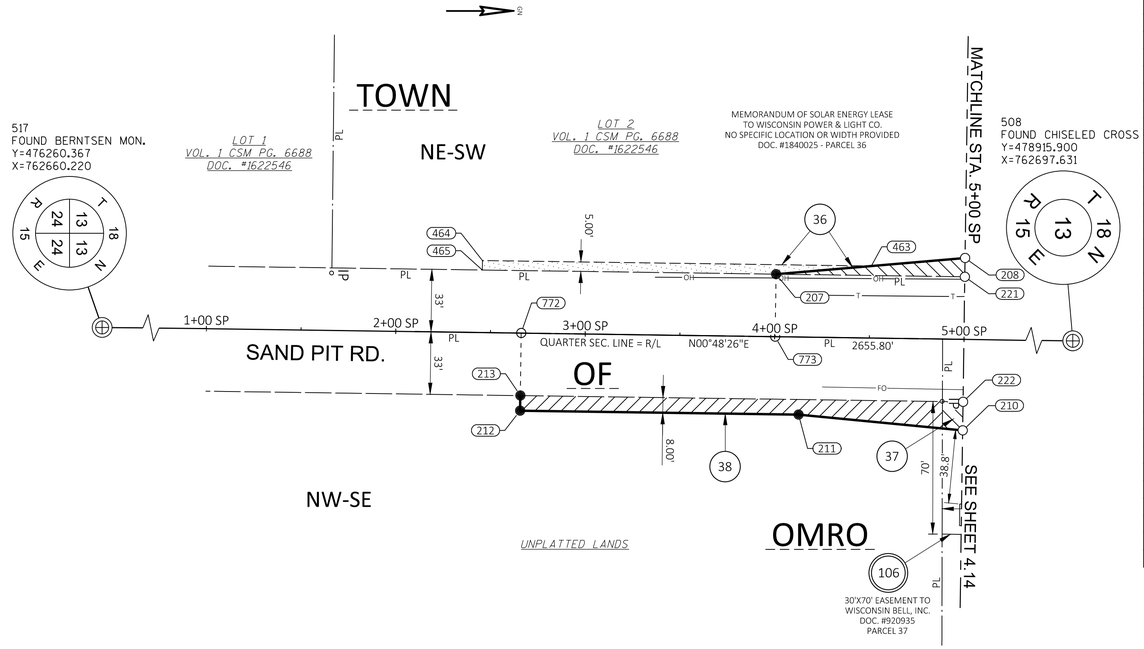
-AREA FIGURES ARE REFERENCED TO THIS SHEET ONLY.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNERS	INTEREST REQUIRED	RECORDED EASEMENTS	PARCEL
106	AT&T	RELEASE OF RIGHTS	DOC. #920935	37
106	AT&T	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	31, 34
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	DOC. 363631	34
100	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD	31

REFERENCE LINE TIES COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
508	770	N00° 47' 11"E	377.84'
770	771	N00° 47' 11"E	207.55'
771	507	N00° 47' 11"E	2089.61'
517	772	N00° 48' 26"E	2133.31'
772	773	N00° 48' 26"E	134.09'
773	508	N00° 48' 26"E	388.40'



COORDINATE / STATION / OFFSET TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
186	479128.111	762633.866	10+00.00 SP	-66.67'
187	479170.462	762632.118	10+42.32 SP	-69.00'
188	479249.463	762638.203	11+21.40 SP	-64.00'
189	479284.615	762646.686	11+56.67 SP	-56.00'
190	479345.158	762649.517	12+17.24 SP	-54.00'
191	479501.690	762672.668	13+74.08 SP	-33.00'
197	479148.884	762733.832	10+22.14 SP	33.00'
198	479293.249	762735.813	11+66.52 SP	33.00'
199	479229.583	762752.941	11+03.10 SP	51.00'
200	479147.918	762755.821	10+21.48 SP	55.00'
201	479126.370	762760.684	10+00.00 SP	60.16'
207	478528.008	762659.163	4+00.29 SP	-33.00'
208	478627.849	762650.657	5+00.00 SP	-42.91'
210	478626.566	762741.666	5+00.00 SP	48.11'
211	478539.877	762733.338	4+13.20 SP	41.00'
212	478392.892	762731.267	2+66.20 SP	41.00'
213	478393.005	762723.268	2+66.20 SP	33.00'
451	479593.765	762673.932	14+66.16 SP	-33.00'
452	479593.834	762668.932	14+66.16 SP	-38.00'
453	479661.828	762669.865	15+34.16 SP	-38.00'
454	479661.759	762674.865	15+34.16 SP	-33.00'
455	479660.355	762740.852	15+33.66 SP	33.00'
456	479660.286	762745.851	15+33.66 SP	38.00'
457	479275.564	762740.571	11+48.90 SP	38.00'
463	478578.335	762654.872	4+50.55 SP	-38.00'
464	478373.039	762651.979	2+45.23 SP	-38.00'
465	478372.968	762656.979	2+45.23 SP	-33.00'
770	479293.702	762702.816	11+66.52 SP	0.00'
771	479501.237	762705.665	13+74.08 SP	0.00'
772	478393.470	762690.271	2+66.20 SP	0.00'
773	478527.544	762692.160	4+00.29 SP	0.00'

PARCEL 31 AND 34 COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
186	219	S89° 12' 49"E	33.67'
219	191	N00° 47' 11"E	374.08'
186	187	N02° 21' 47"W	42.39'
187	188	N04° 24' 15"E	79.24'
188	189	N13° 34' 04"E	36.16'
189	190	N02° 40' 38"E	60.61'
190	191	N08° 24' 46"E	158.24'
771	191	N89° 12' 49"W	33.00'

PARCEL 31 T.L.E. COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
191	451	N00° 47' 11"E	92.08'
451	452	N89° 12' 49"W	5.00'
452	453	N00° 47' 11"E	68.00'
453	454	S89° 12' 49"E	5.00'
454	451	S00° 47' 11"W	68.00'

PARCEL 36 COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
773	207	N89° 11' 34"W	33.00'
207	208	N04° 52' 12"W	100.20'
208	221	S89° 11' 34"E	9.91'
221	207	S00° 48' 26"W	99.71'
207	465	S00° 48' 26"W	155.06'
465	464	N89° 11' 34"W	5.00'
464	463	N00° 48' 26"E	205.32'
463	207	S04° 52' 26"E	50.51'

PARCEL 37 AND 38 COURSE TABLE

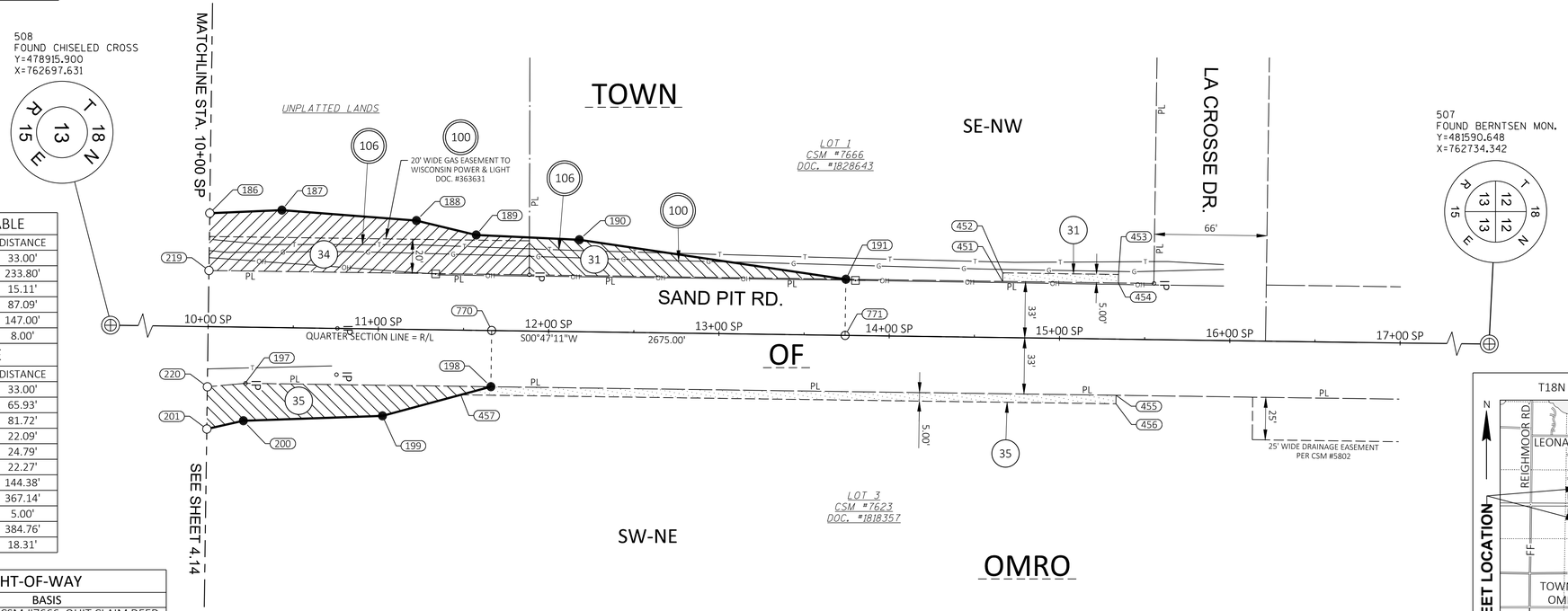
FROM PT	TO PT	BEARING	DISTANCE
772	213	S89° 11' 34"E	33.00'
213	222	N00° 48' 26"E	233.80'
222	210	S89° 11' 34"E	15.11'
210	211	S05° 29' 16"W	87.09'
211	212	S00° 48' 26"W	147.00'
212	213	N89° 11' 34"W	8.00'

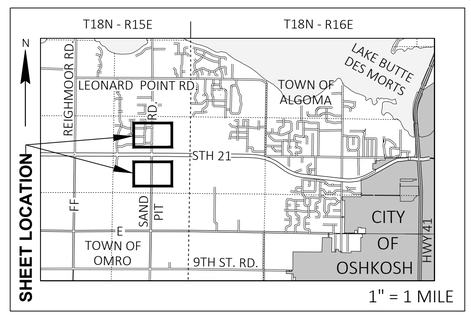
PARCEL 35 COURSE TABLE

FROM PT	TO PT	BEARING	DISTANCE
770	198	S89° 12' 49"E	33.00'
198	199	S15° 03' 28"E	65.93'
199	200	S02° 01' 10"E	81.72'
200	201	S12° 43' 07"E	22.09'
201	220	N89° 12' 49"E	24.79'
220	197	N05° 19' 24"W	22.27'
197	198	N00° 47' 11"E	144.38'
198	455	N00° 47' 11"E	367.14'
455	456	S89° 12' 49"E	5.00'
456	457	S00° 47' 11"W	384.76'
457	198	N15° 03' 28"W	18.31'

BASIS OF EXISTING RIGHT-OF-WAY

ROUTE	BASIS
SAND PIT ROAD (NORTH)	CSM #7623, CSM #7666, QUIT CLAIM DEED DOC. #1820920
SAND PIT ROAD (SOUTH)	CSM #6688, CSM #1311





REVISION DATE	DATE 6/30/2023	SCALE, FEET 0 40 80	HWY: STH 21	STATE R/W PROJECT NUMBER 6180-30-21	PLAT SHEET 4.15
	GRID FACTOR N/A		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 6180-30-71/72/73	PS&E SHEET _____ E

FILE NAME : 6180-30-21.DWG
LAYOUT NAME - 4.15

PLOT DATE : 7/11/2023 3:44 PM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_99

N

BUTT JOINT REQUIRED

REMOVE AND REPLACE 25 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 21 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 19 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

BP: 0+00.00

R/W

PI: 3+53.05

TLE

TLE

SAWING CONCRETE

5

BUTT JOINT REQUIRED

1+00

S89°18'59"E

2+00

3+00

4+00

5+00

S89°09'22"E

6+00

5

STH 21

BEGIN PROJECT
STA 0+81.00
Y=481,253.835
X=737,951.560

TLE

TLE

R/W

TLE

TLE

REMOVING ASPHALTIC SURFACE

SAWING CONCRETE

REMOVE AND REPLACE 24 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 24 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 27 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 27 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVING ASPHALTIC SURFACE

ADAMS AVE

BUTT JOINT REQUIRED

REMOVE AND REPLACE 14 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

REMOVE AND REPLACE 14 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

REMOVE AND REPLACE 8 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

BUTT JOINT REQUIRED

JEFFERSON AVE/ STH 116

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_100

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050201-pn
PLOT DATE : 9/1/2023 8:03 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

N

BUTT JOINT REQUIRED

REMOVE AND REPLACE 45 LF OF
CONCRETE CURB AND GUTTER
6-INCH SLOPED 36-INCH TYPE A

RECENT CURB RAMP UPDATES.
NO WORK NECESSARY.

EXISTING R/W

TLE

5

5

7+00 8+00 9+00 10+00 S89°34'00"E 11+00 12+00

STH 21

8+08.49

EXISTING R/W

REMOVE AND REPLACE 21 LF OF
CONCRETE CURB AND GUTTER
6-INCH SLOPED 36-INCH TYPE A

REMOVE AND REPLACE 15 LF OF
CONCRETE CURB AND GUTTER
6-INCH SLOPED 36-INCH TYPE A

REMOVE AND REPLACE 5 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

BUTT JOINT REQUIRED

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 45 LF OF
CONCRETE CURB AND GUTTER
6-INCH SLOPED 36-INCH TYPE A

REMOVE AND REPLACE 5 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

WEBSTER AVE/ CTH F

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET PRE_101 E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050202-pn

PLOT DATE : 9/1/2023 8:03 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

REMOVE AND REPLACE 20 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 22 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

EXISTING R/W

13+00 14+00 S89°34'00"E 15+00 16+00 17+00 18+00

STH 21

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 13 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 6 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

BUTT JOINT REQUIRED

REMOVE AND REPLACE 5 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

REMOVE AND REPLACE 23 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

EXISTING R/W

REMOVE AND REPLACE 18 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

BUTT JOINT REQUIRED

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 14 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 11 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

MADISON AVE

MONROE AVE

LEGEND

- * CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET PRE_102 E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050203-pn

PLOT DATE : 9/1/2023 8:03 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

REMOVE AND REPLACE 21 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

VETERANS MEMORIAL

REMOVE AND REPLACE 25 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

EXISTING R/W

REMOVE AND REPLACE 19 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

BUTT JOINT REQUIRED

SCOTT PARK DR

GUY

TLE

Pi: 21+25.98

5

19+00 S89°34'00"E 20+00 21+00 22+00 23+00 S89°37'59"E 24+00 25+00

REMOVING ASPHALTIC SURFACE

STH 21

REMOVE AND REPLACE 14 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 4 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

BUTT JOINT REQUIRED

REMOVE AND REPLACE 29 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 6 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

EXISTING R/W

REMOVE AND REPLACE 20 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

QUINCY AVE

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_103

N

REMOVE AND REPLACE 15 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

REMOVE AND REPLACE 21 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

EXISTING R/W

REMOVE AND REPLACE 25 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

GUY

TLE

INL SIGN SIGN SIGN INL

MH

26+00 27+00 S89°37'59"E 28+00 29+00 30+00 31+00

STH 21

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 26 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

REMOVE AND REPLACE 7 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

BUTT JOINT REQUIRED

REMOVE AND REPLACE 4 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

REMOVE AND REPLACE 10 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

EXISTING R/W

REMOVE AND REPLACE 14 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

BUTT JOINT REQUIRED

REMOVE AND REPLACE 19 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

JACKSON AVE

VAN BUREN AVE

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

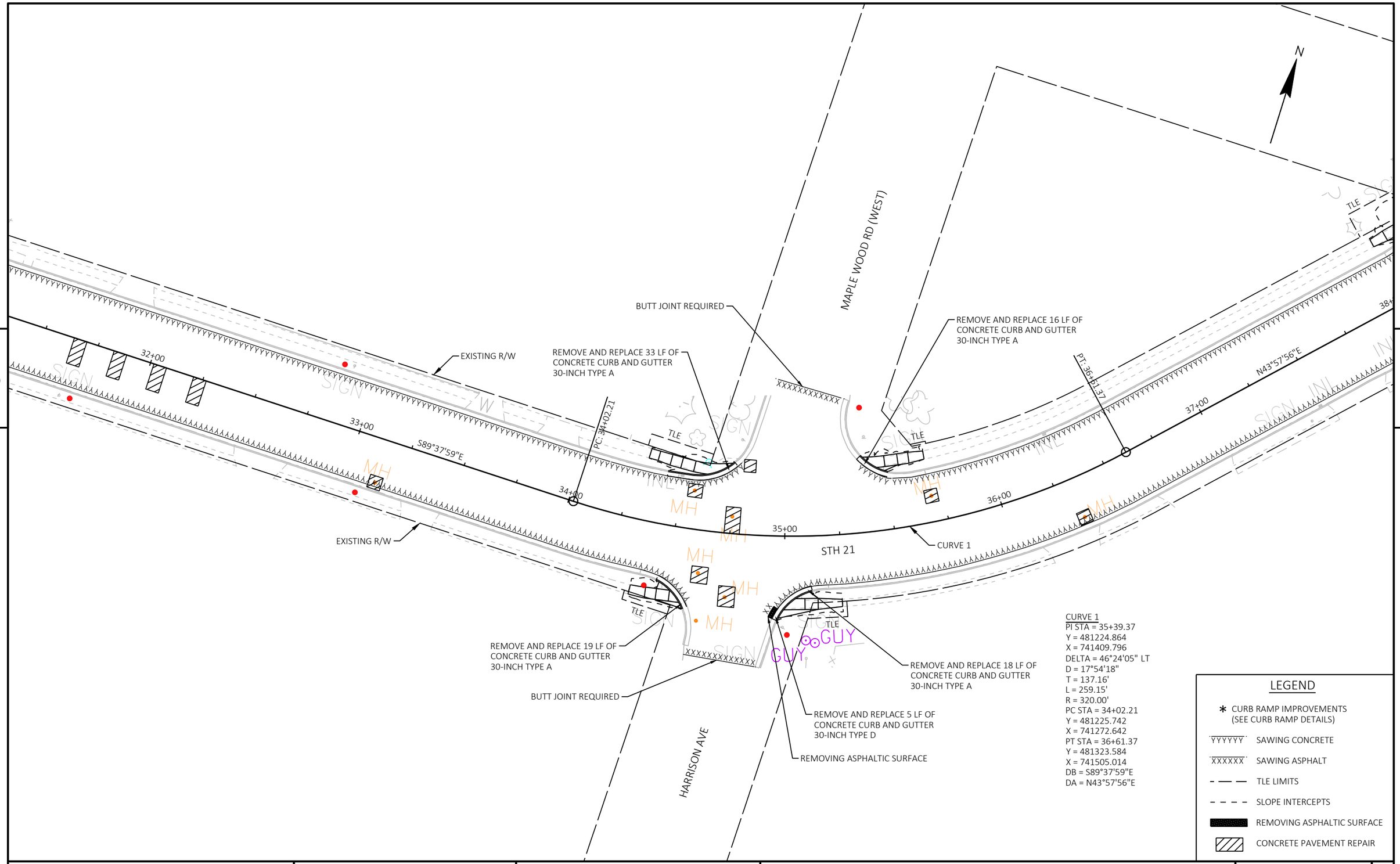
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_104

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050205-pn

PLOT DATE : 9/1/2023 8:03 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5

5

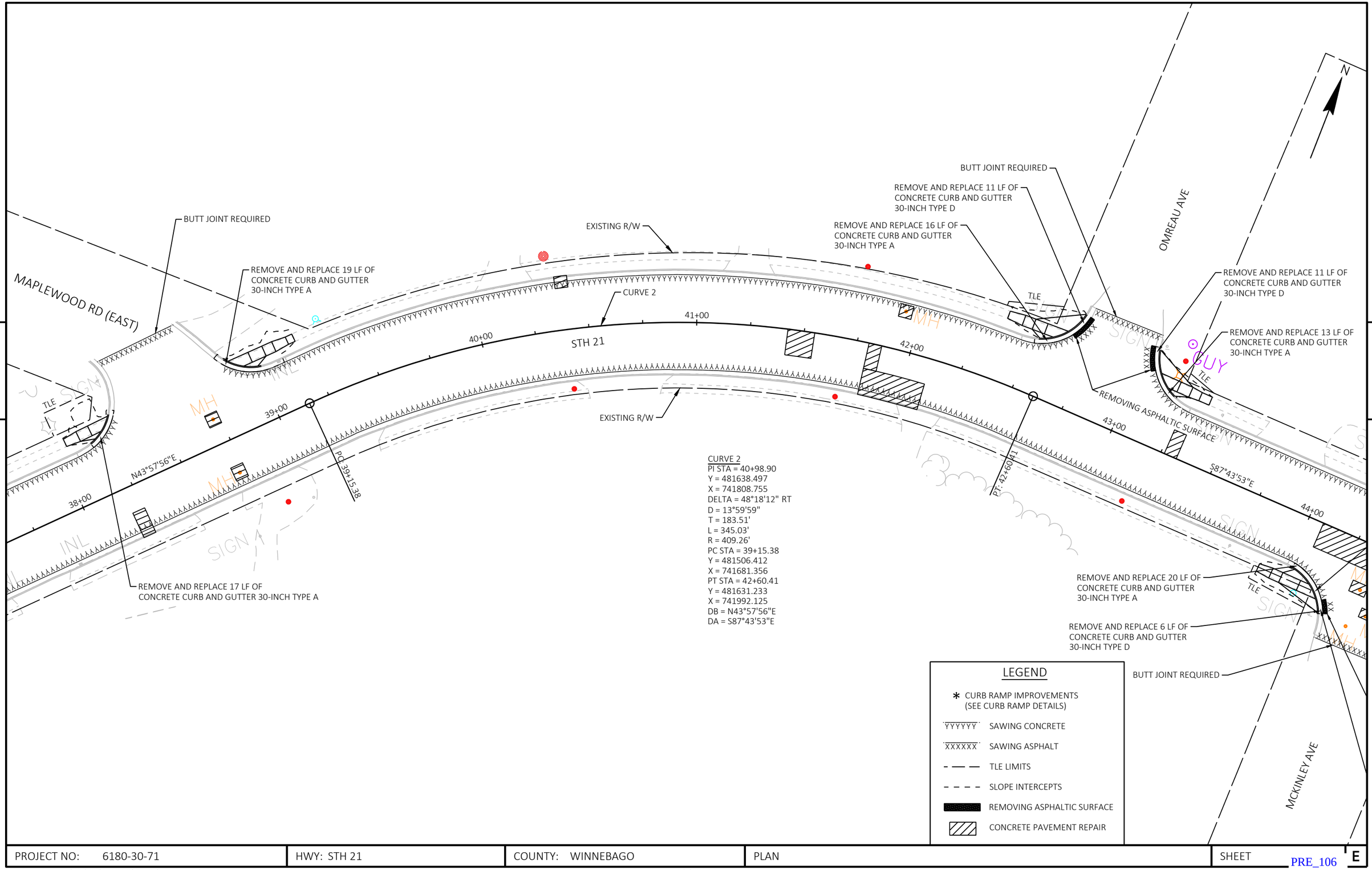
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_105

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050206-pn

PLOT DATE : 9/1/2023 8:03 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



CURVE 2
PI STA = 40+98.90
Y = 481638.497
X = 741808.755
DELTA = 48°18'12" RT
D = 13°59'59"
T = 183.51'
L = 345.03'
R = 409.26'
PC STA = 39+15.38
Y = 481506.412
X = 741681.356
PT STA = 42+60.41
Y = 481631.233
X = 741992.125
DB = N43°57'56"E
DA = S87°43'53"E

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_106

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050207-pn
PLOT DATE : 9/1/2023 8:04 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

N

BUTT JOINT REQUIRED

BECKWITH AVE

REMOVE AND REPLACE 16 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 18 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 23 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 20 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

EXISTING R/W

TLE

5

5

45+00 S87°43'53"E 46+00 47+00 48+00 49+00 50+00

CURVE 3

STH 21

EXISTING R/W

PC: 47+35.13

TLE

REMOVE AND REPLACE 22 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVE AND REPLACE 4 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

REMOVING ASPHALTIC SURFACE

BUTT JOINT REQUIRED

REMOVE AND REPLACE 6 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

MCKINLEY AVE

REMOVE AND REPLACE 19 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

CURVE 3
PI STA = 49+41.23
Y = 481604.282
X = 742672.410
DELTA = 2°03'38" LT
D = 0°30'00"
T = 206.10'
L = 412.15'
R = 11460.00'
PC STA = 47+35.13
Y = 481612.440
X = 742466.472
PT STA = 51+47.28
Y = 481603.534
X = 742878.507
DB = S87°43'53"E
DA = S89°47'31"E

LEGEND

- * CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_107

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050208-pn
PLOT DATE : 9/1/2023 8:04 AM
PLOT BY : DANKE, ERIC A
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LINCOLN AVE

N

REMOVE AND REPLACE 14 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

REMOVE AND REPLACE 22 LF OF
CONCRETE CURB AND GUTTER 30-INCH TYPE A

BUTT JOINT REQUIRED

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 18 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

EXISTING R/W

TLE

TLE

CURVE 3

5

5

51+00

52+00

53+00

54+00

S89°47'31"E

55+00

56+00

STH 21

PT: 51+47.28

TLE

EXISTING R/W

REMOVE AND REPLACE 23 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

CURVE 3
PI STA = 49+41.23
Y = 481604.282
X = 742672.410
DELTA = 2°03'38" LT
D = 0°30'00"
T = 206.10'
L = 412.15'
R = 11460.00'
PC STA = 47+35.13
Y = 481612.440
X = 742466.472
PT STA = 51+47.28
Y = 481603.534
X = 742878.507
DB = S87°43'53"E
DA = S89°47'31"E

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_108

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050209-pn

PLOT DATE : 9/1/2023 8:04 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

N

EXISTING R/W

SIGN

SIGN

SIGN

MH

MH

INL

MH

5

5

57+00

58+00

59+00

60+00

S89°47'31"E

61+00

62+00

63

STH 21

EXISTING R/W

TLE

REMOVE AND REPLACE 18 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE A

REMOVING ASPHALTIC SURFACE

REMOVE AND REPLACE 9 LF OF CONCRETE CURB AND GUTTER 30-INCH TYPE D

BUTT JOINT REQUIRED

XXXXXXX

RIPRAP

INDUSTRIAL DR

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_109

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050210-pn

PLOT DATE : 9/1/2023 8:04 AM

PLOT BY : DANKE, ERIC A

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

N

EXISTING R/W

GUY

PI: 63+28.25

SIGN *

5

5

00

64+00

65+00

66+00

67+00

S89°47'07"E

68+00

69+00

STH 21

BUTT JOINT REQUIRED

EXISTING R/W

MH

SIGN

REMOVE AND REPLACE 21 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE A

SIGN

XXXXXXXX

MH

MH

GUY

REMOVE AND REPLACE 4 LF OF
CONCRETE CURB AND GUTTER
30-INCH TYPE D

REMOVING ASPHALTIC SURFACE

INDUSTRIAL DR

BUTT JOINT REQUIRED

LEGEND

* CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)

YYYYYY SAWING CONCRETE

XXXXXX SAWING ASPHALT

TLE LIMITS

SLOPE INTERCEPTS

REMOVING ASPHALTIC SURFACE

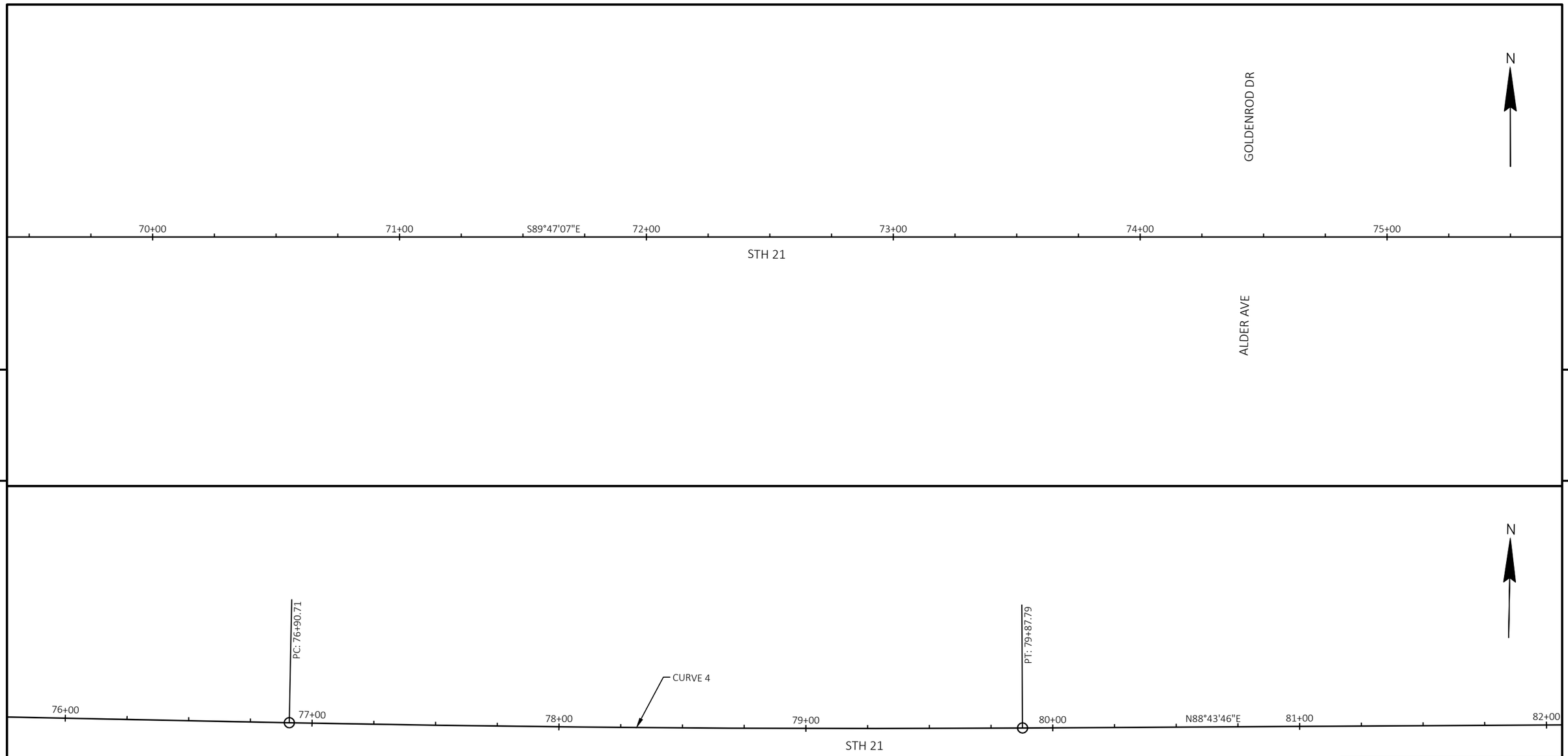
CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_110

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050211-pn

PLOT DATE : 9/1/2023 8:04 AM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT



5

5

CURVE 4
PI STA = 78+39.26
Y = 481593.582
X = 745570.466
DELTA = 1°29'07" LT
D = 0°30'00"
T = 148.55'
L = 297.07'
R = 11459.00'
PC STA = 76+90.71
Y = 481594.139
X = 745421.921
PT STA = 79+87.79
Y = 481596.876
X = 745718.975
DB = S89°47'07"E
DA = N88°43'46"E

LEGEND

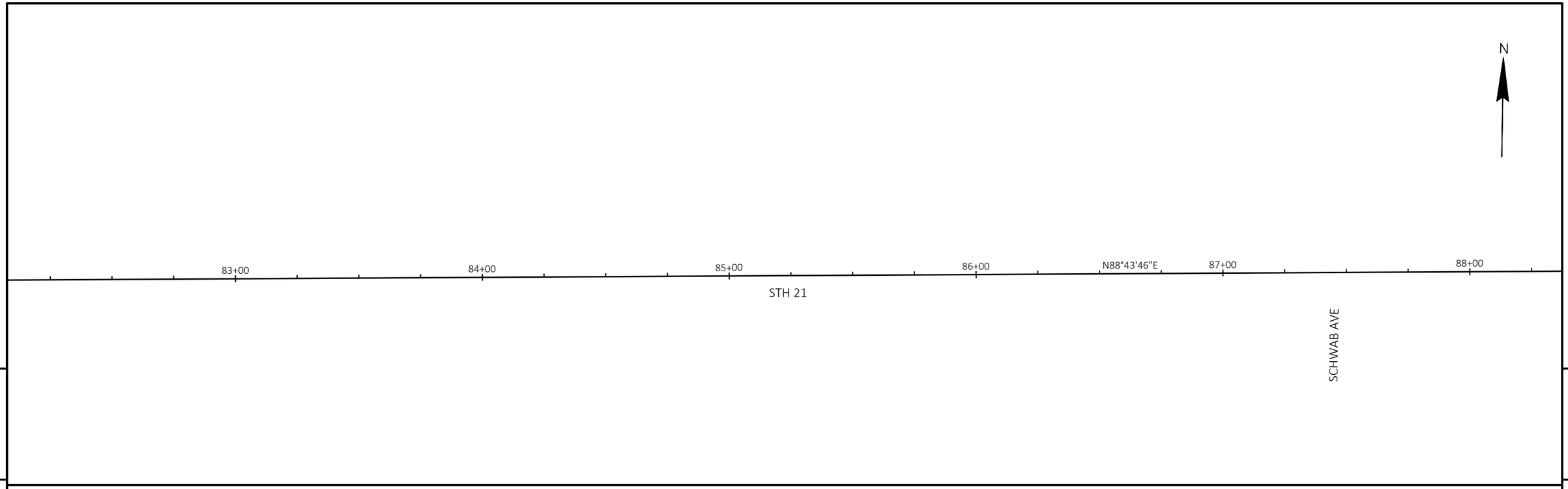
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_111

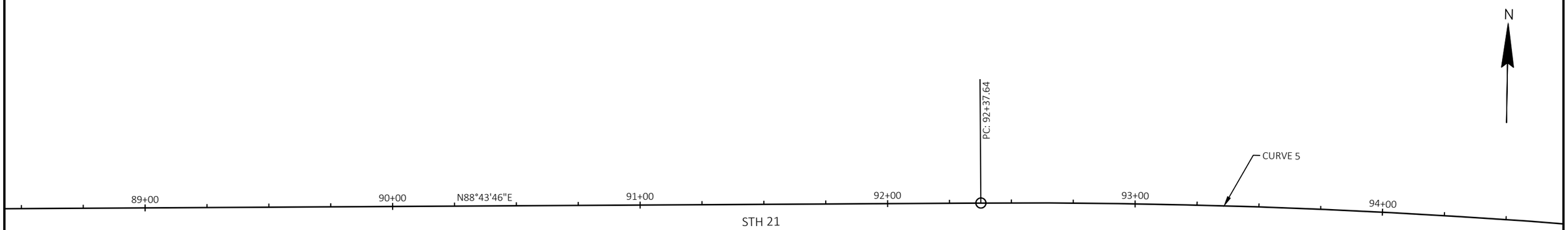
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050212-pn

PLOT DATE : 12/8/2022 10:45 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT



5

5



CURVE 5
PI STA = 102+44.85
Y = 481646.927
X = 747975.483
DELTA = 38°53'23" RT
D = 2°00'30"
T = 1007.21'
L = 1936.49'
R = 2853.00'
PC STA = 92+37.64
Y = 481624.592
X = 746968.517
PT STA = 111+74.12
Y = 481032.114
X = 748773.282
DB = N88°43'46"E
DA = S52°22'51"E

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

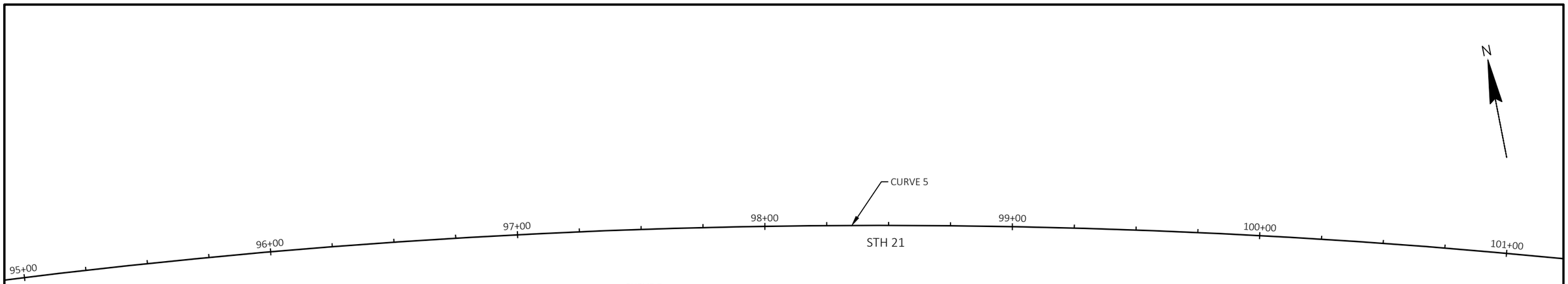
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_112

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050213-pn

PLOT DATE : 12/8/2022 10:45 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

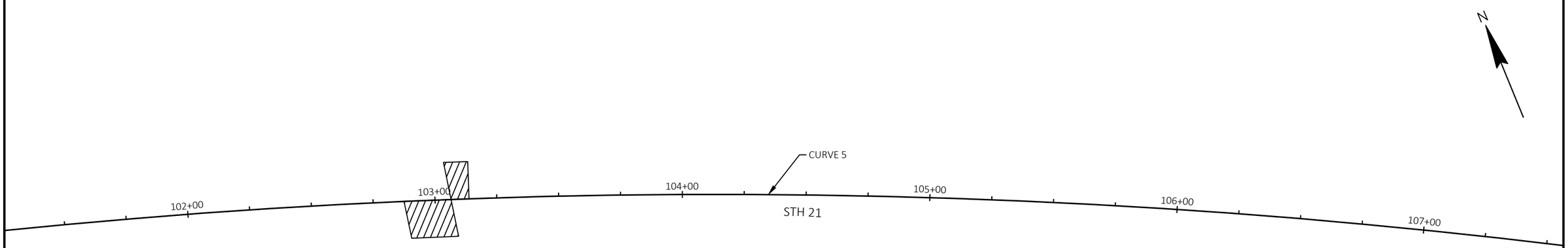
WISDOT/CADDS SHEET 44



CURVE 5
PI STA = 102+44.85
Y = 481646.927
X = 747975.483
DELTA = 38°53'23" RT
D = 2°00'30"
T = 1007.21'
L = 1936.49'
R = 2853.00'
PC STA = 92+37.64
Y = 481624.592
X = 746968.517
PT STA = 111+74.12
Y = 481032.114
X = 748773.282
DB = N88°43'46"E
DA = S52°22'51"E

5

5



LEGEND

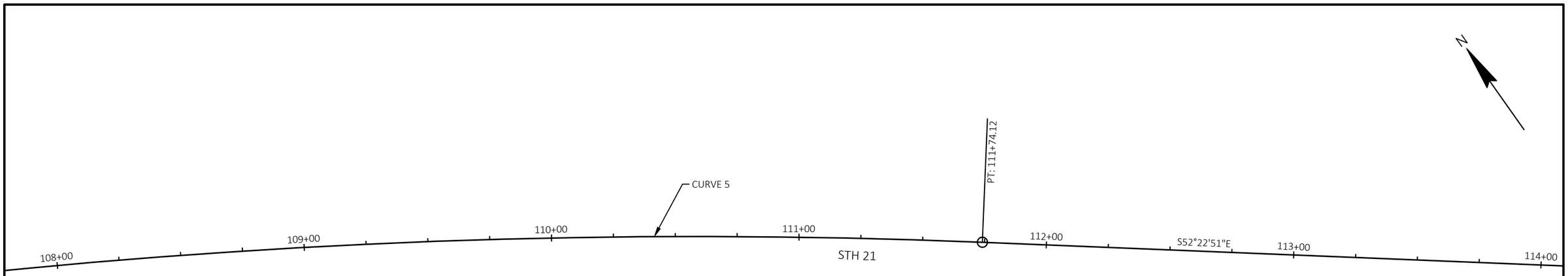
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_113

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050214-pn

PLOT DATE : 12/8/2022 10:46 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

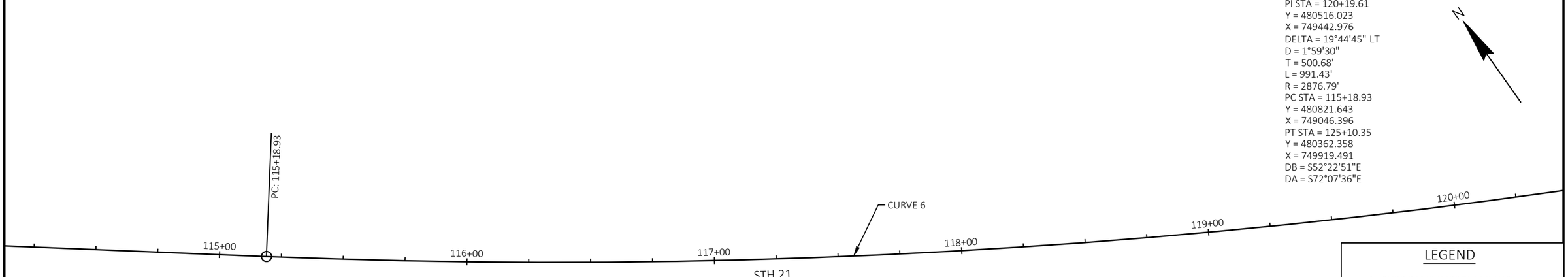


CURVE 5
PI STA = 102+44.85
Y = 481646.927
X = 747975.483
DELTA = 38°53'23" RT
D = 2°00'30"
T = 1007.21'
L = 1936.49'
R = 2853.00'
PC STA = 92+37.64
Y = 481624.592
X = 746968.517
PT STA = 111+74.12
Y = 481032.114
X = 748773.282
DB = N88°43'46"E
DA = S52°22'51"E

5

5

CURVE 6
PI STA = 120+19.61
Y = 480516.023
X = 749442.976
DELTA = 19°44'45" LT
D = 1°59'30"
T = 500.68'
L = 991.43'
R = 2876.79'
PC STA = 115+18.93
Y = 480821.643
X = 749046.396
PT STA = 125+10.35
Y = 480362.358
X = 749919.491
DB = S52°22'51"E
DA = S72°07'36"E



LEGEND

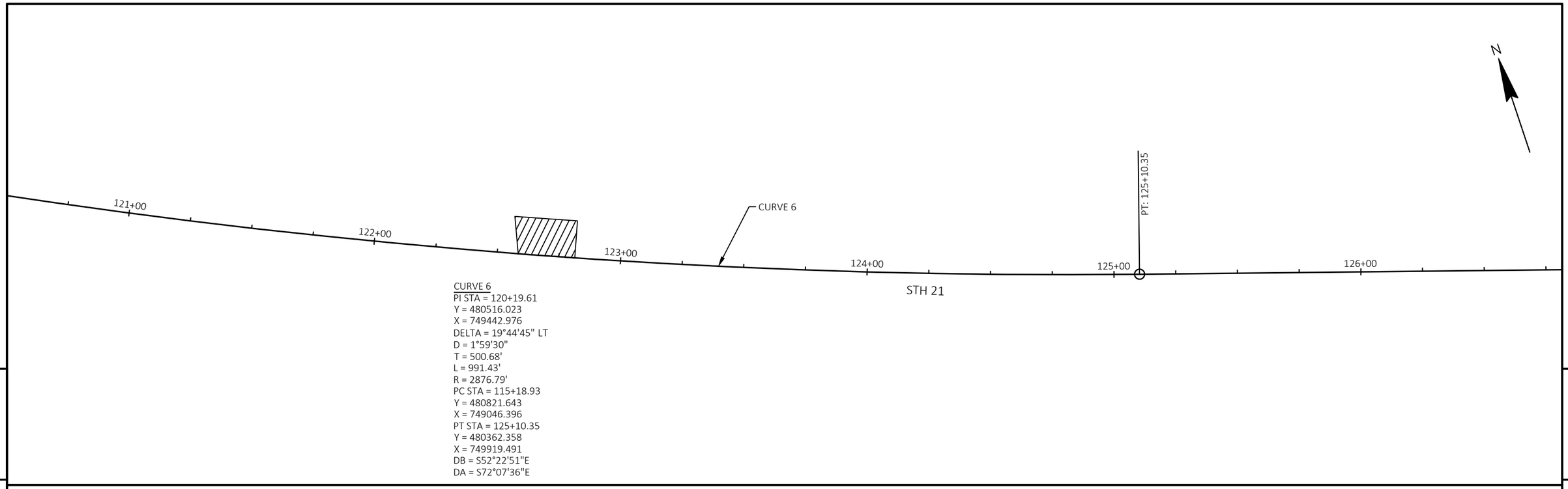
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_114

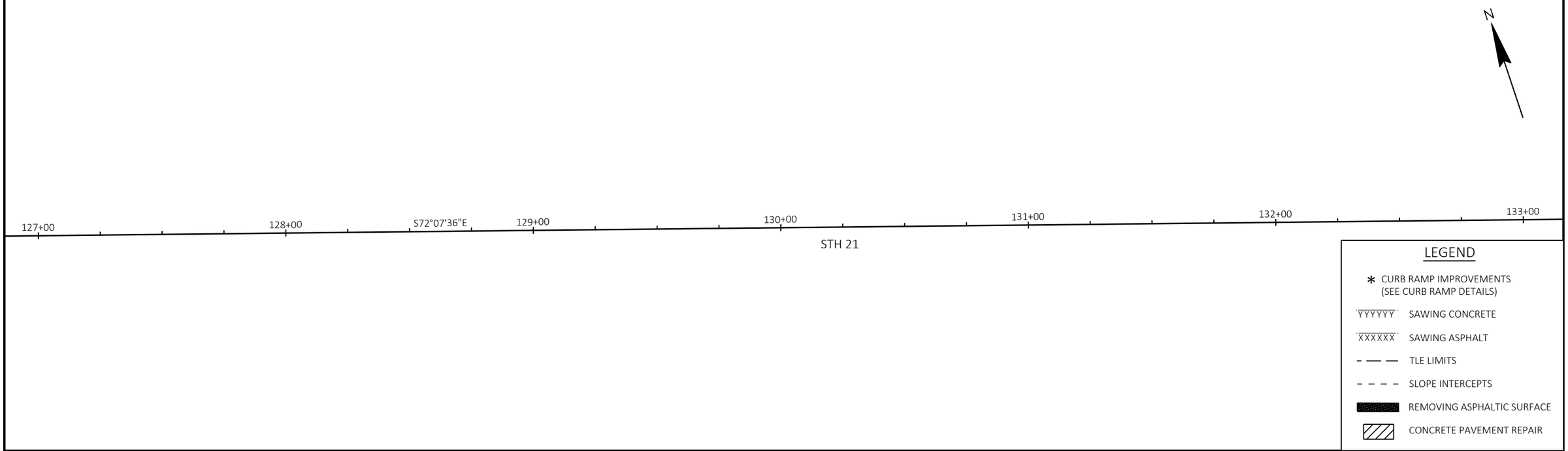
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050215-pn

PLOT DATE : 12/8/2022 10:46 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT



5

5



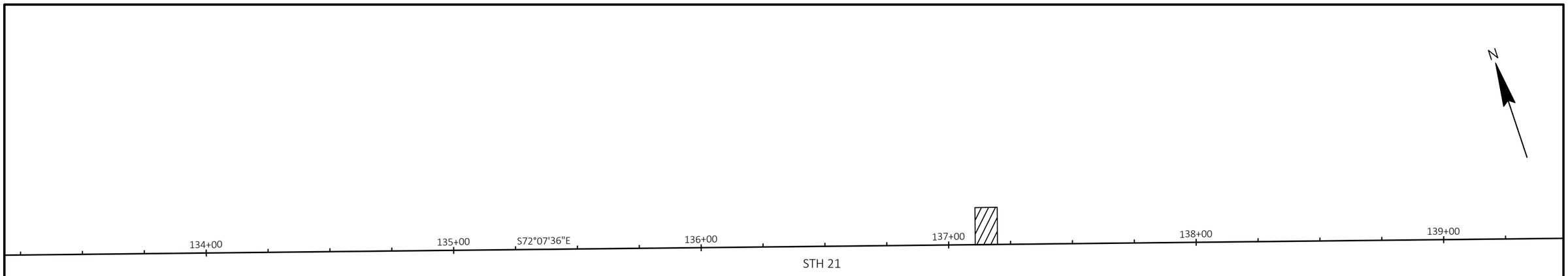
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_115

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050216-pn

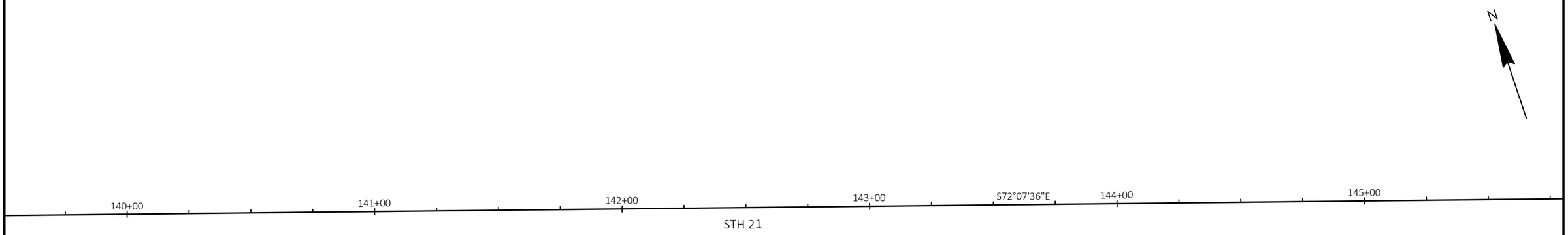
PLOT DATE : 12/8/2022 10:46 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



5

5



LEGEND

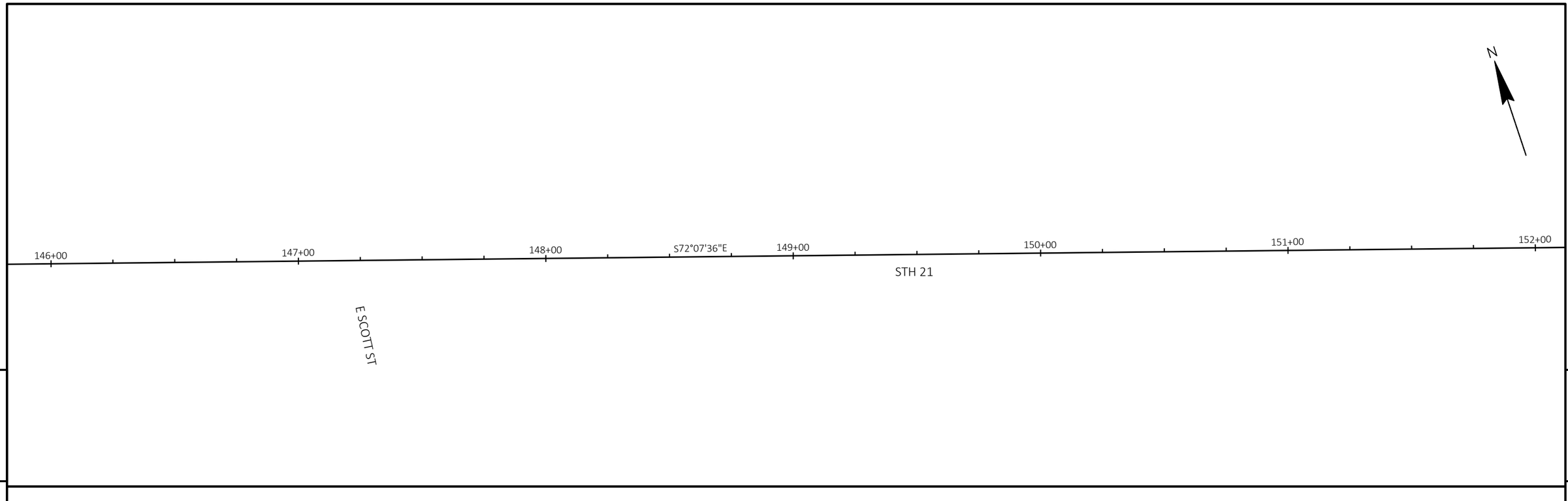
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_116

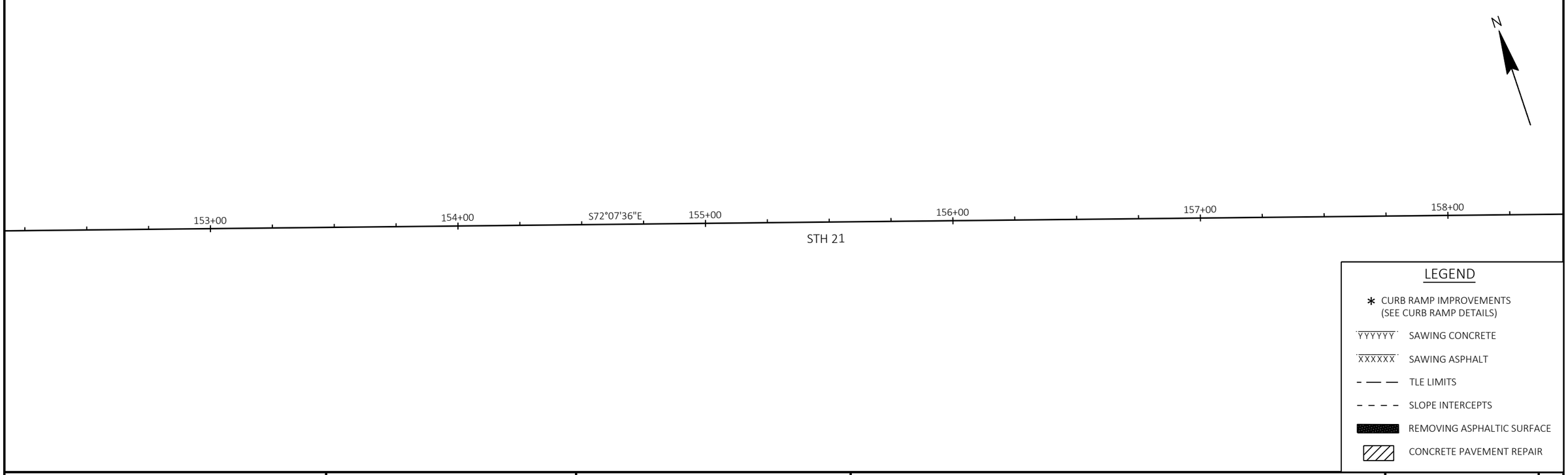
FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050217-pn

PLOT DATE : 12/8/2022 10:47 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT



5

5



LEGEND

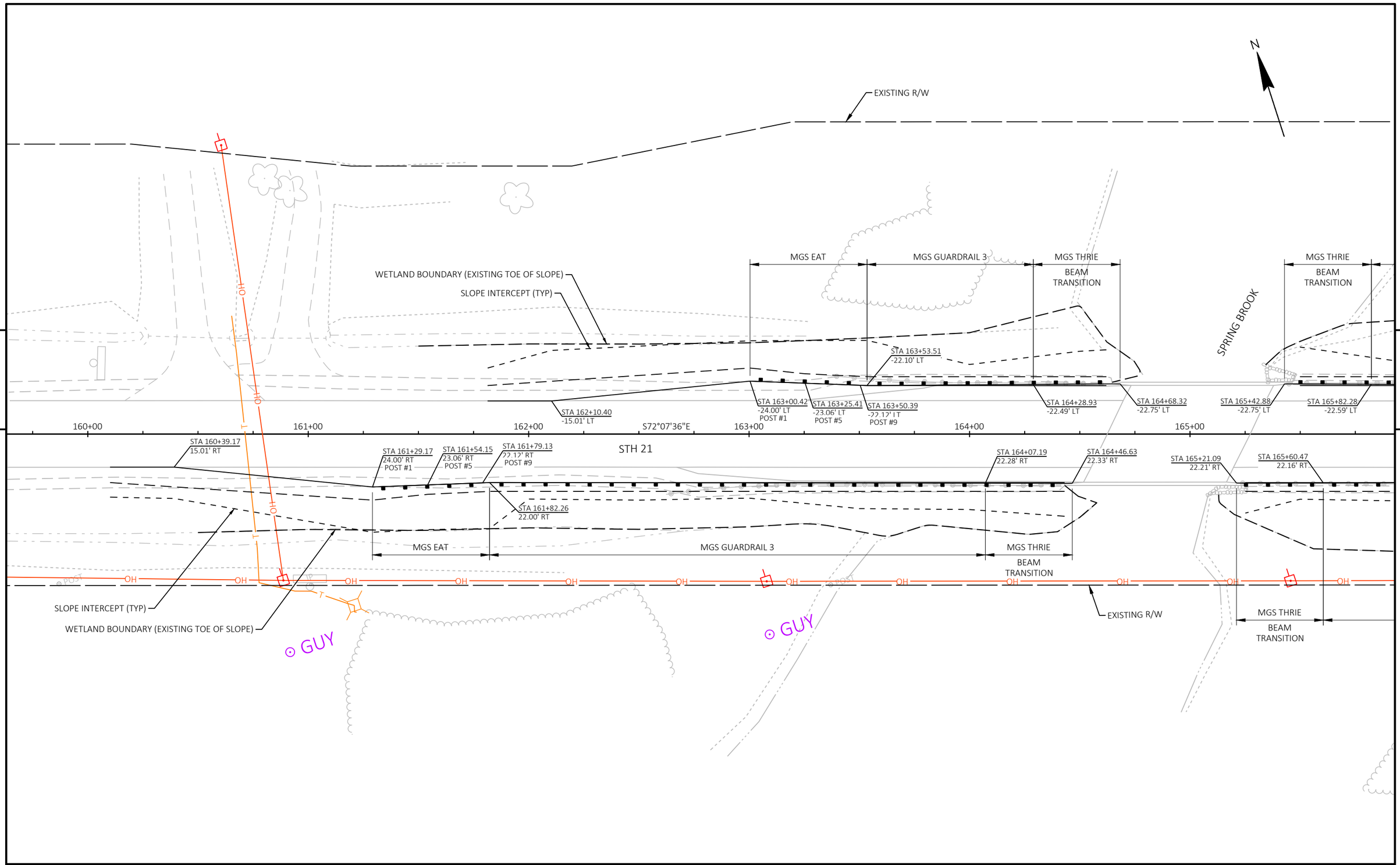
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_117

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050218-pn

PLOT DATE : 12/8/2022 10:47 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050219-pn

PLOT DATE : 8/30/2023 3:41 PM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_118

WISDOT/CADDS SHEET 44

N

EXISTING R/W

IP

GUARDRAIL 3

MGS THRIE BEAM TRANSITION

SPRING BROOK

MGS THRIE BEAM TRANSITION

MGS GUARDRAIL 3

MGS EAT

WETLAND BOUNDARY (EXISTING TOE OF SLOPE)

SLOPE INTERCEPT (TYP)

5

5

STA 164+28.93
-22.49' LT

STA 164+68.32
-22.75' LT

STA 165+42.88
-22.75' LT

STA 165+82.28
-22.59' LT

STA 167+20.87
-22.00' LT

STA 167+23.99
-22.12' LT
POST #9

STA 167+49.09
-23.18' LT
POST #5

STA 167+74.30
-24.32' LT
POST #1

STA 168+76.40
-15.01' LT

164+00 165+00 166+00 S72°07'36"E 167+00 168+00 169+00 170+00

STA 164+07.19
22.28' RT

STA 164+46.63
22.33' RT

STA 165+21.09
22.21' RT

STA 165+60.47
22.16' RT

STA 166+76.32
22.12' RT
POST #9

STA 167+01.30
23.06' RT
POST #5

STA 167+26.28
24.00' RT
POST #1

STH 21

STA 168+35.18
15.01' RT

CURVE 7

STA 166+73.19
22.00' RT

PC STA 167+35.93

GUY

SLOPE INTERCEPT (TYP)

MGS THRIE BEAM TRANSITION

OH

EXISTING R/W

MGS THRIE BEAM TRANSITION

MGS GUARDRAIL 3

MGS EAT

GUY

WETLAND BOUNDARY (EXISTING TOE OF SLOPE)

CURVE 7
PI STA = 171+30.38
Y = 478944.409
X = 754316.542
DELTA = 17°36'50" LT
D = 2°15'02"
T = 394.46'
L = 782.69'
R = 2546.00'
PC STA = 167+35.93
Y = 479065.473
X = 753941.124
PT STA = 175+18.61
Y = 478942.623
X = 754710.993
DB = S72°07'36"E
DA = S89°44'26"E

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_119

FILE NAME : N:\PDS\C3D\61803000\DESIGN\UTILITY PLAN\050201-PN-UTILITYPLAN.DWG
LAYOUT NAME - 050220-pn

PLOT DATE : 8/30/2023 3:42 PM PLOT BY : DANKE, ERIC A PLOT NAME : PLOT SCALE : 1 IN:40 FT

CURVE 7
PI STA = 171+30.38
Y = 478944.409
X = 754316.542
DELTA = 17°36'50" LT
D = 2°15'02"
T = 394.46'
L = 782.69'
R = 2546.00'
PC STA = 167+35.93
Y = 479065.473
X = 753941.124
PT STA = 175+18.61
Y = 478942.623
X = 754710.993
DB = S72°07'36"E
DA = S89°44'26"E

N

PT: 175+18.61

170+00 171+00 172+00 173+00 174+00 175+00 176+00

CURVE 7

STH 21

5

5

HO

N

177+00 178+00 179+00 180+00 S89°44'26"E 181+00 182+00

STH 21

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

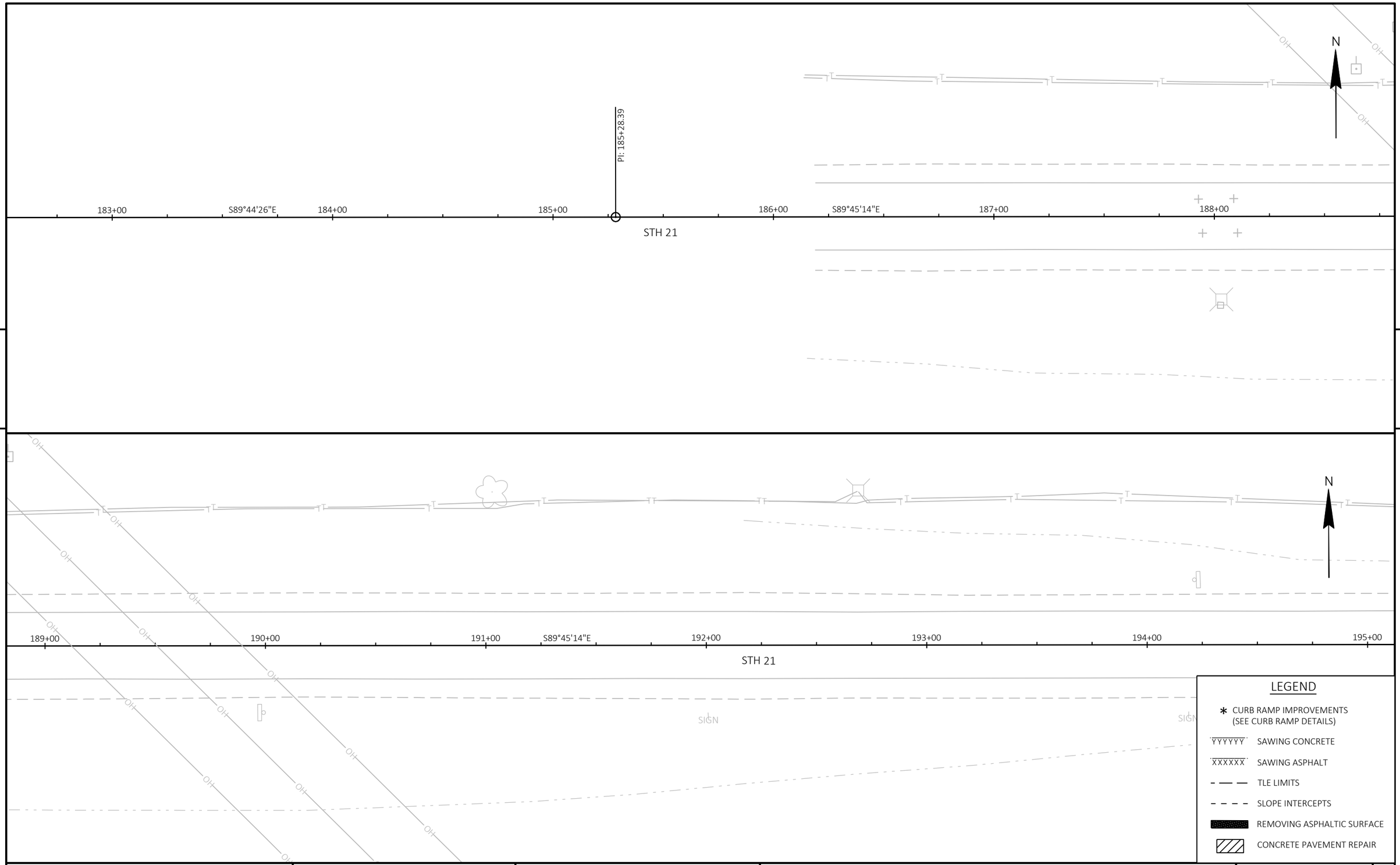
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_120

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050221-pn

PLOT DATE : 12/8/2022 10:48 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



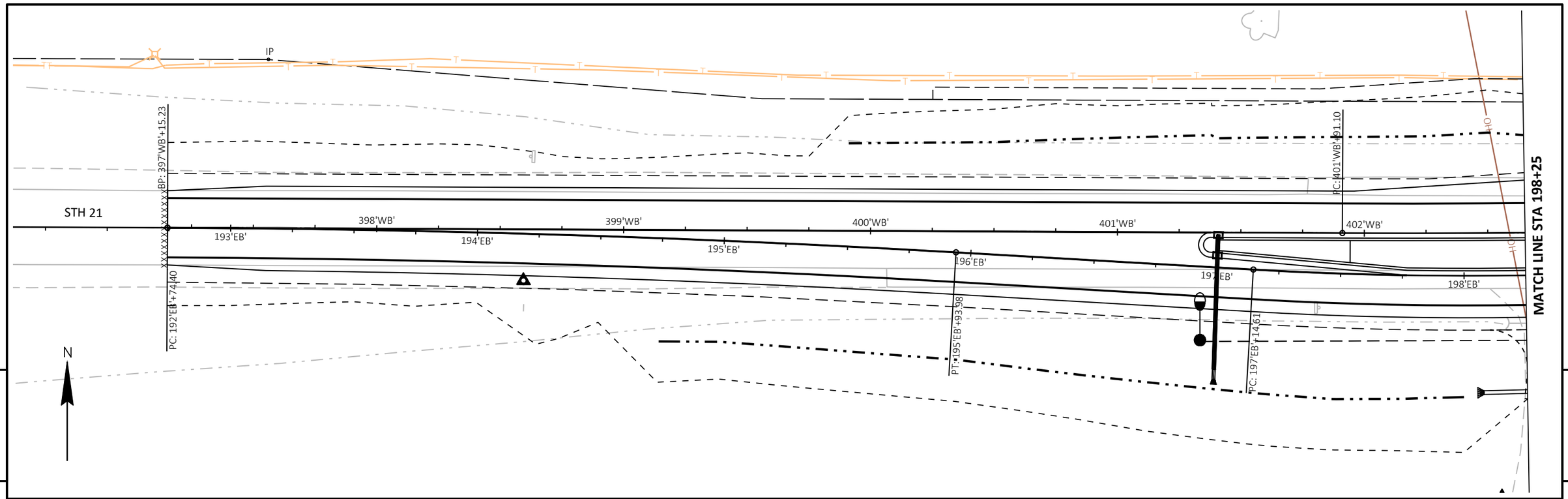
5 5

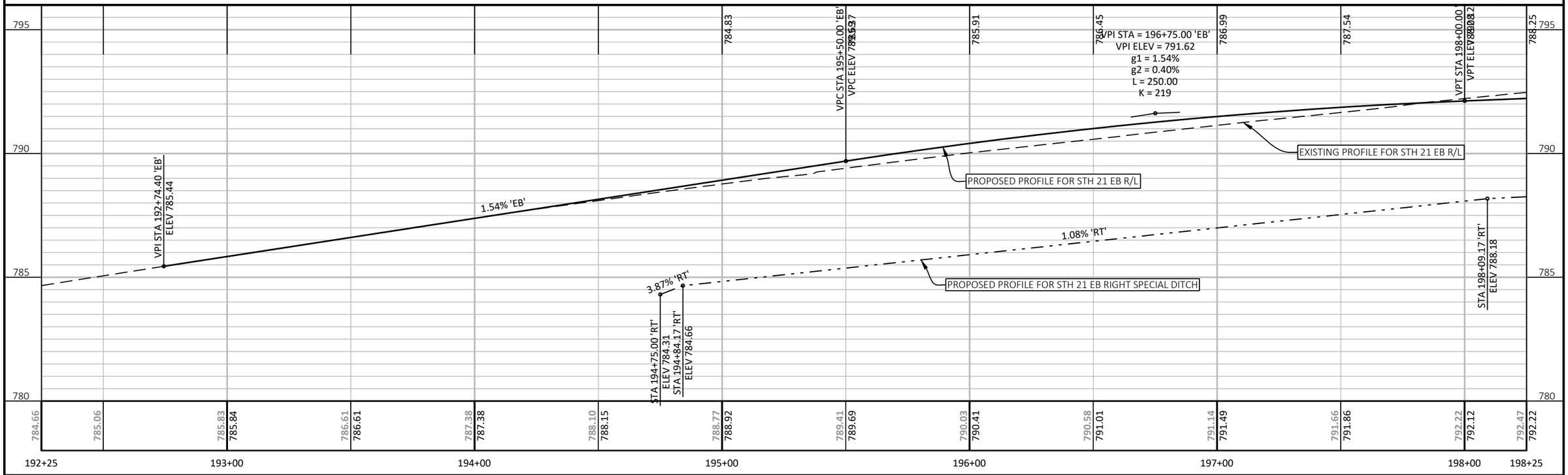
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_121

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050222-pn

PLOT DATE : 12/8/2022 10:48 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EB (CTH FF-REIGHMOOR RD)	SHEET E

PRE_122

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050101-pp

PLOT DATE : 9/5/2023 11:01 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

MATCH LINE STA 198+25

MATCH LINE STA 204+25

<-- STH 21 -->

<-- CTH FF
REIGHMOOR RD -->

<-- STH 21 -->

CAUTION

403'WB' 404'WB' 405'WB' 407'WB' 408'WB'

199'EB' 200'EB' 203'EB' 204'EB'

PI: 613'SB'+42.38

PI: 613'NB'+56.04

PI: 612'SB'+22.58

PI: 512'NB'+80.58

PI: 202'EB'+88.58

PCC: 404'WB'+17.84

PCC: 405'WB'+00.80

PTT: 405'WB'+27.80

PCC: 407'WB'+10.55

PCC: 408'WB'+20.38

PTT: 199'EB'+39.52

PCC: 200'EB'+19.44

PTT: 200'EB'+88.46

PCC: 202'EB'+80.33

PTT: 202'EB'+45.01

22'RA1'

21'RA1'

23'RA1'

N

788.25 788.38 788.63 788.88 792.25 792.77 793.77 793.02 792.27 791.52 791.30

VCL = 200.00

K = 204.15

VPC STA 198+75.00
VPC EL 792.42

VPT STA 200+75.00
VPT EL 794.20

VPI STA 200+00.00 'RT'
ELEV 792.25

VPI STA 200+88.65 'EB'
ELEV 794.39

VPI STA 202+25.58 'EB'
ELEV 794.84

VPI STA 202+34.46 'RT'
ELEV 794.00

VPI STA 203+10.00 'EB'
ELEV 795.26

VPI STA 204+09.11 'RT'
ELEV 791.38

VPI STA 199+75.00
VPI EL 792.822

VPI STA 199+74.17 'RT'
ELEV 789.00

VPI STA 200+88.65 'RT'
ELEV 793.18

EXISTING PROFILE FOR STH 21 EB R/L

PROPOSED PROFILE FOR STH 21 EB R/L

PROPOSED PROFILE FOR STH 21 EB RIGHT SPECIAL DITCH

0.40% 'EB'

1.38% 'EB'

0.50% 'EB'

0.98% 'EB'

0.50% 'RT'

12.58% 'RT'

1.05% 'RT'

-1.50% 'RT'

800 795 790 785

792.47 792.22 792.75 792.32 793.34 792.54 793.92 792.86 794.49 793.30 794.96 793.87 795.06 795.59 795.71 796.01 794.96 796.51 795.21 796.89 795.65 797.24 796.14 797.41 796.39

198+25 199+00 200+00 201+00 202+00 203+00 204+00 204+25

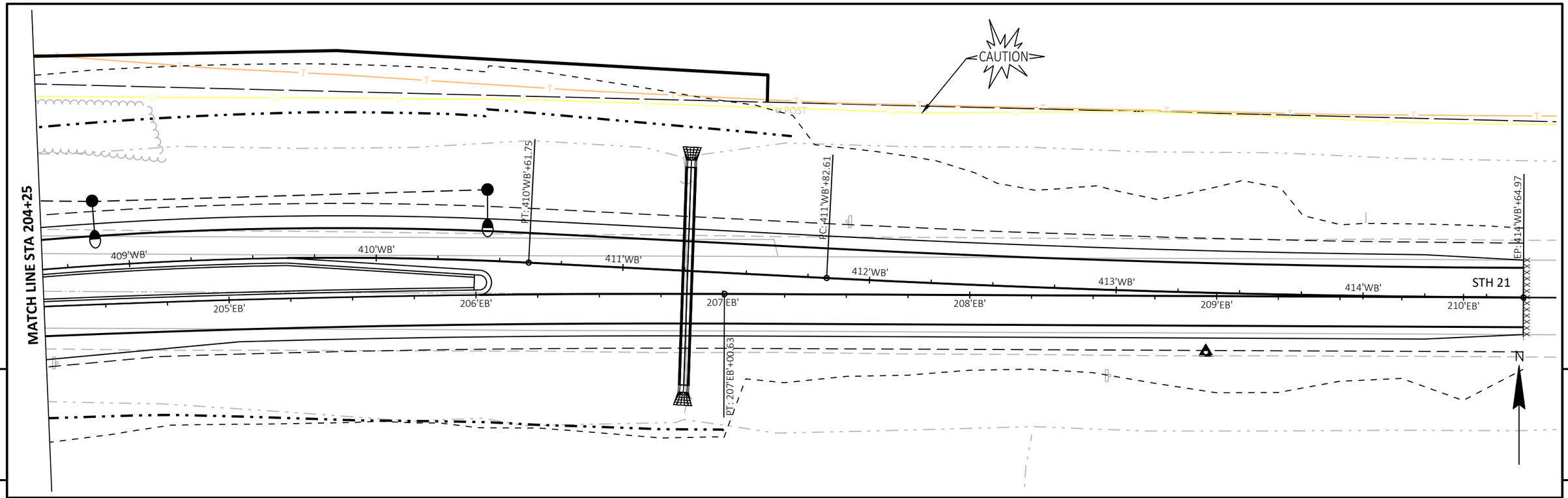
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EB (CTH FF-REIGHMOOR RD)	SHEET E

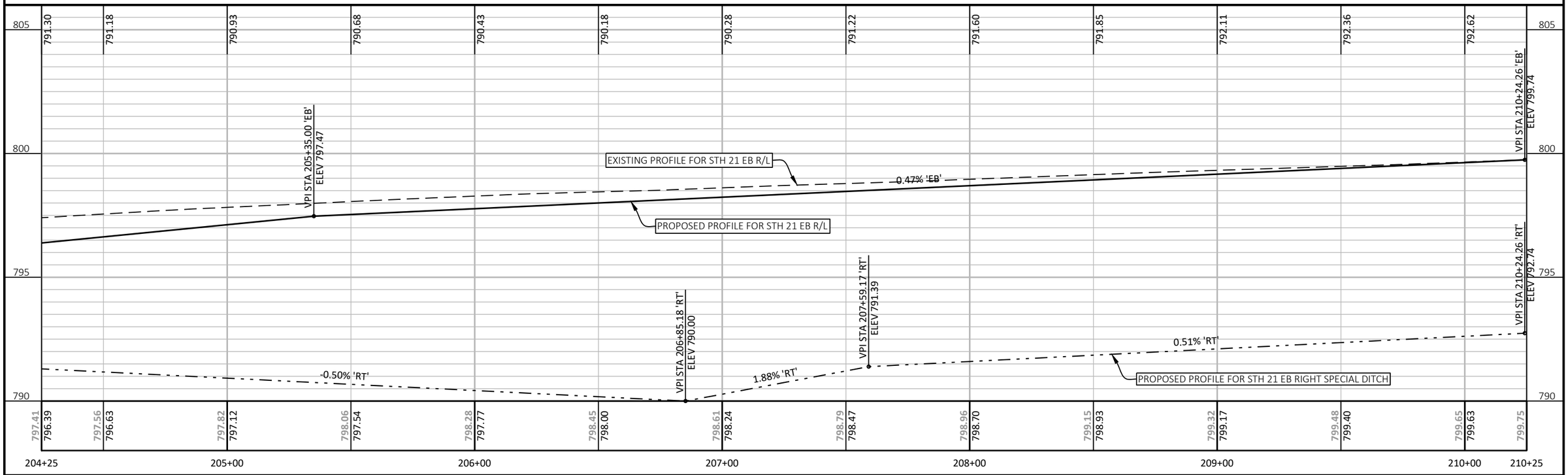
PRE_123

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050102-pp

PLOT DATE : 9/5/2023 11:01 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EB (CTH FF-REIGHMOOR RD)	SHEET E

PRE_124

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050103-pp

PLOT DATE : 9/5/2023 11:01 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

POST

SIGN

N

208+00 209+00 S89°45'14"E 210+00 211+00 212+00 213+00

STH 21

5

5

N

POST

214+00 215+00 S89°45'14"E 216+00 217+00 218+00 219+00

STH 21

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- SAWING CONCRETE
- SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_125

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050224-pn

PLOT DATE : 12/8/2022 10:49 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

220+00 | 221+00 | S89°45'14"E | 222+00 | 223+00 | 224+00 | 225+00 | 226+00

STH 21

5

5

N

MARQUART LN

PI: 228+34.94

227+00 | 228+00 | 229+00 | 230+00 | S89°54'10"E | 231+00 | 232+00

STH 21

POTRATZ HILL RD

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_126

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050225-pn

PLOT DATE : 12/8/2022 10:49 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

233+00 234+00 235+00 236+00 S89°54'10"E 237+00 238+00

STH 21

5

5

GUY

POST

N

239+00 240+00 241+00 242+00 243+00 S89°54'10"E 244+00 245+00

STH 21

LEGEND

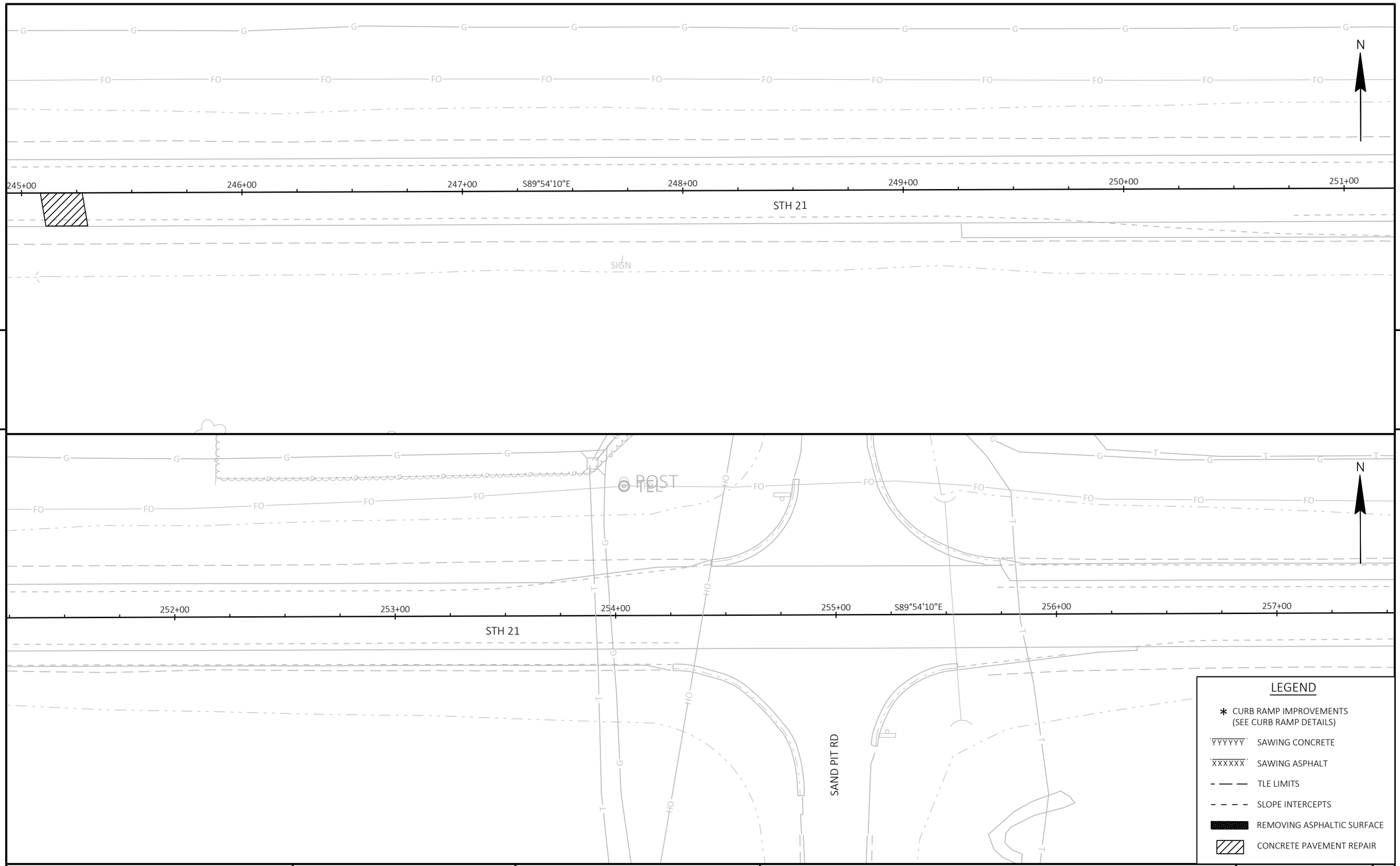
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_127

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050226-pn

PLOT DATE : 12/8/2022 10:50 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

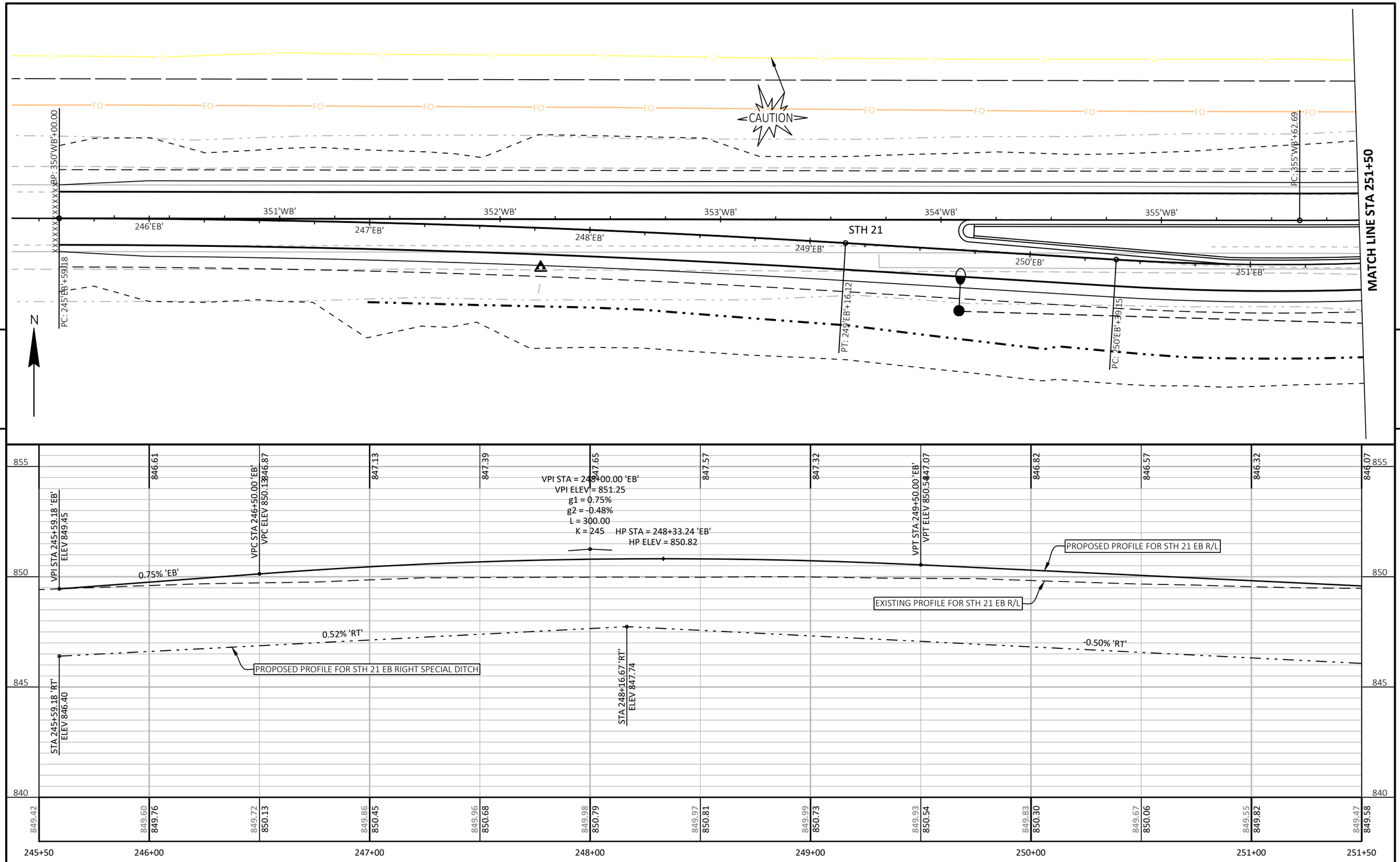


PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_128

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050227-pn

PLOT DATE : 12/8/2022 10:50 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EB (SAND PIT RD)	SHEET E

PRE_129

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050151-pp

PLOT DATE : 9/5/2023 11:02 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

MATCH LINE STA 251+50

MATCH LINE STA 257+50

5

5

CAUTION

CAUTION

<-- STH 21 -->

<-- SAND PIT RD -->

N

358'WB'

357'WB'

356'WB'

254'EB'

253'EB'

252'EB'

361'WB'

257'EB'

256'EB'

PC: 252'EB'+71.60

PC: 253'EB'+59.43

PT: 254'EB'+36.01

PC: 255'EB'+68.42

PC: 256'EB'+00.85

PC: 256'EB'+41.12

PC: 358'WB'+42.26

PT: 358'WB'+47.79

PC: 360'WB'+06.73

PT: 360'WB'+10.97

PT: 361'WB'+56.79

PC: 806'SB'+10.08

PI: 806'NB'+10.31

PI: 804'SB'+77.96

PC: 604'NB'+78.00

PT: 255'EB'+68.42

PC: 604'NB'+58.40

BP: 19'RA2'+00.09

13'RA2'

12'RA2'+40.15

12'RA2'

11'RA2'

OH

OH

855

850

845

840

846.07 845.82 845.57 844.93 844.61 844.36 842.00 842.57 843.69 844.80

849.47 849.58 849.48 849.35 849.48 849.11 849.48 848.87 849.39 848.63 849.26 848.39 848.90 848.64 848.38 848.41 847.89 848.46 848.14 848.36 848.38 848.25 848.49

EXISTING PROFILE FOR STH 21 EB R/L

PROPOSED PROFILE FOR STH 21 EB R/L

PROPOSED PROFILE FOR STH 21 EB RIGHT SPECIAL DITCH

-0.48% 'EB'

0.50% 'EB'

-1.28% 'RT'

-0.50% 'RT'

2.23% 'RT'

-0.50% 'RT'

VPI STA 254+36.01 'EB'
ELEV 848.22

VPI STA 255+68.42 'EB'
ELEV 847.73

VPC STA 256+85.00 'EB'
VPC ELEV 848.31

STA 252+50.00 'RT'
ELEV 845.57

STA 253+09.00 'RT'
ELEV 844.82

STA 254+28.68 'RT'
ELEV 844.22

STA 255+85.00 'RT'
ELEV 842.08

STA 256+20.00 'RT'
ELEV 841.50

251+50 253+00 254+00 255+00 256+00 257+00 257+50

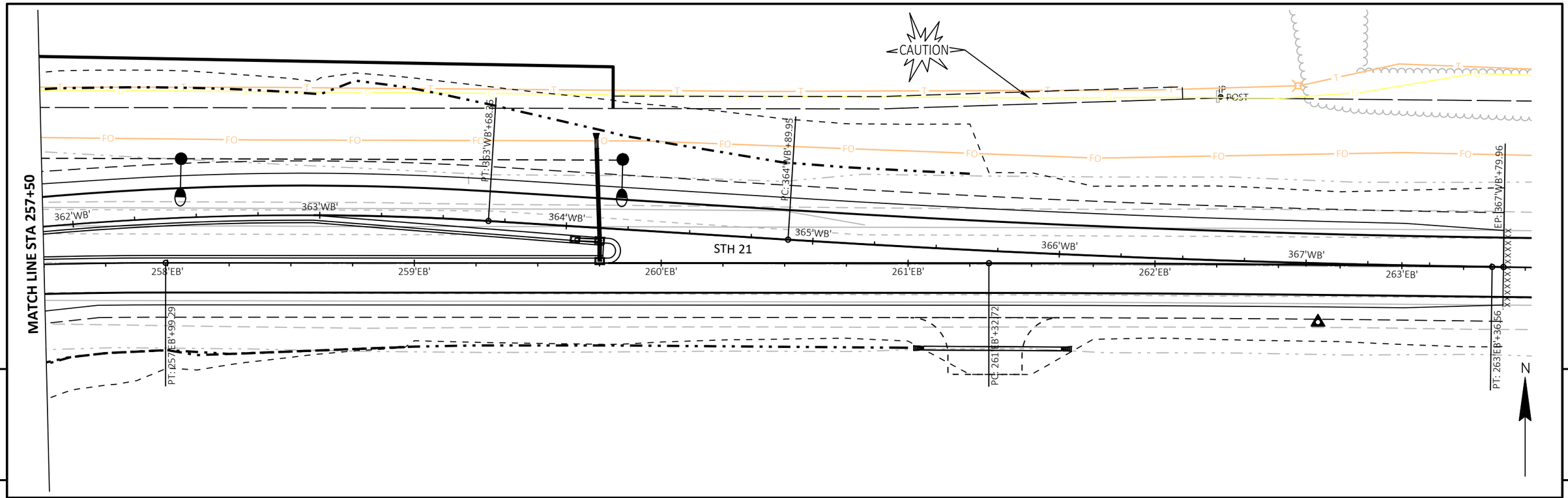
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EB (SAND PIT RD)	SHEET E

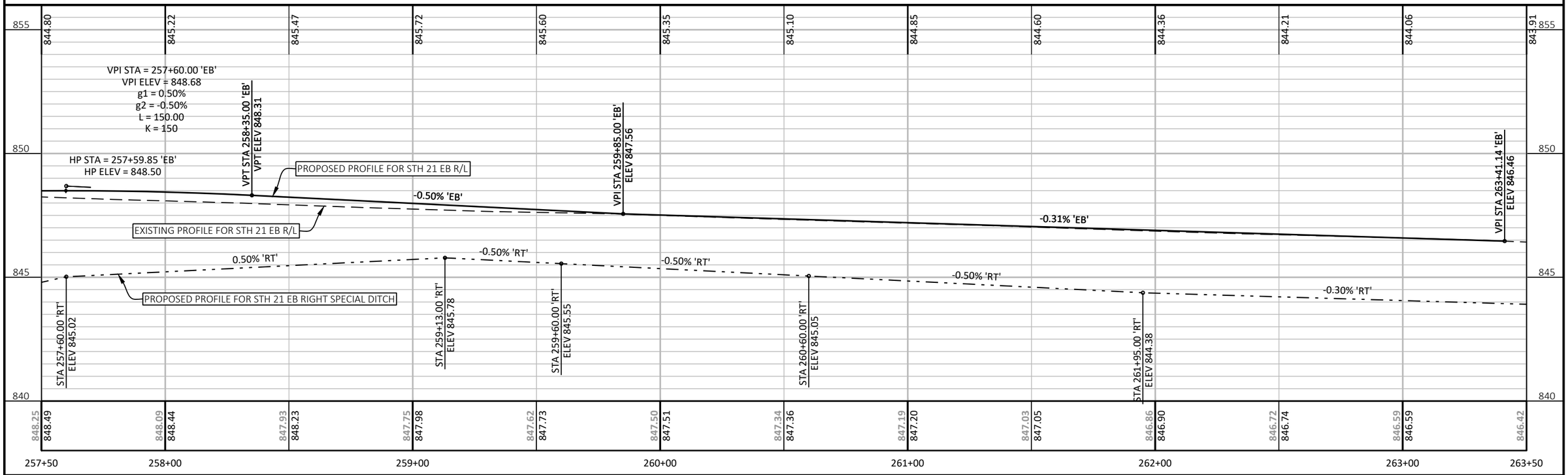
PRE_130

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050152-pp

PLOT DATE : 9/5/2023 11:02 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

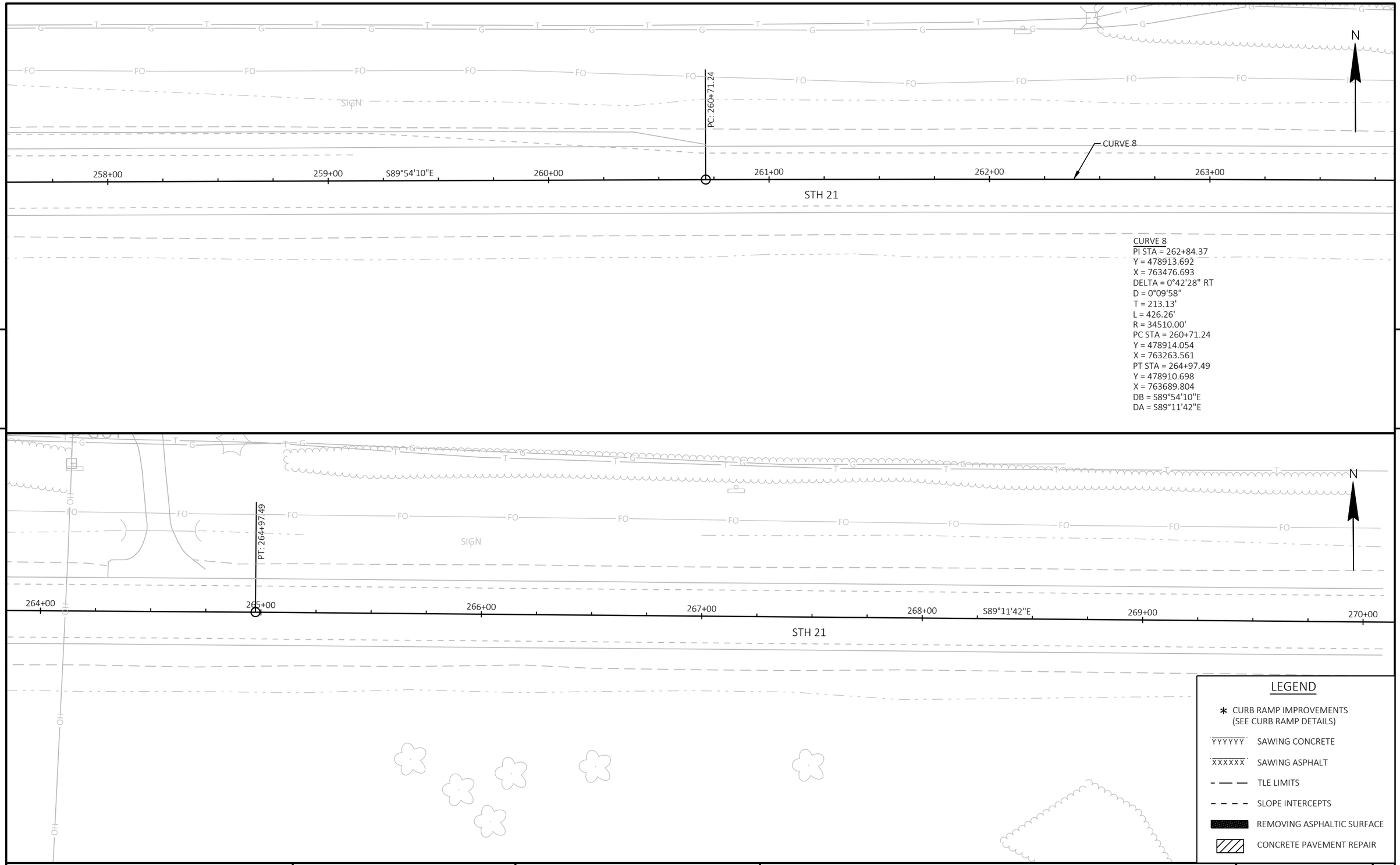
WISDOT/CADDS SHEET 44





PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: STH 21 EB (SAND PIT RD)	SHEET E

PRE_131

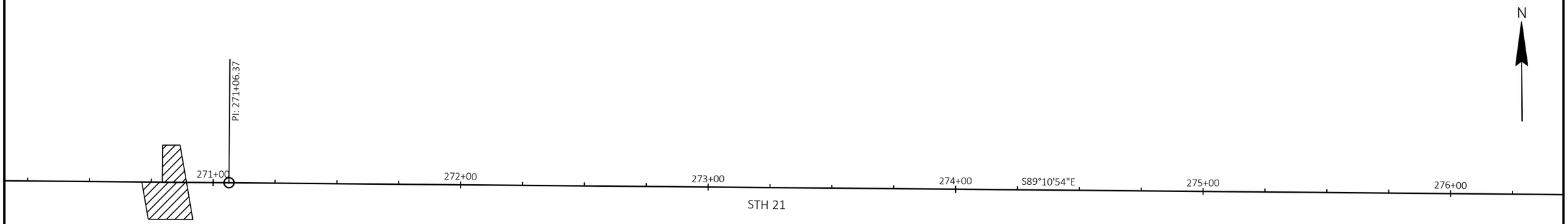


PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050228-pn

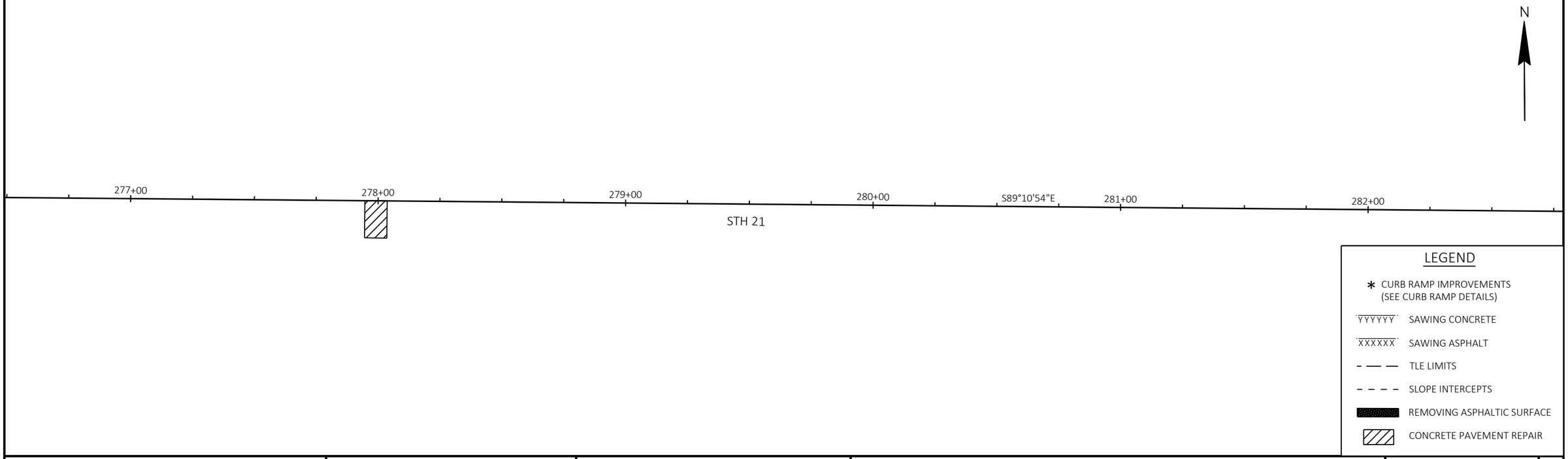
PLOT DATE : 12/8/2022 10:51 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_132



5

5



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_133

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050229-pn

PLOT DATE : 12/8/2022 10:51 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

283+00 284+00 285+00 286+00 S89°10'54"E 287+00 288+00 289+00

STH 21

5

5

N

290+00 291+00 S89°10'54"E 292+00 293+00 294+00 295+00

STH 21

LEGEND

- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_134

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050230-pn

PLOT DATE : 12/8/2022 10:52 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

296+00 297+00 298+00 299+00 S89°10'54"E 300+00 301+00

STH 21

5

5

N

302+00 303+00 304+00 S89°10'54"E 305+00 306+00 307+00 308+00

STH 21

LEGEND

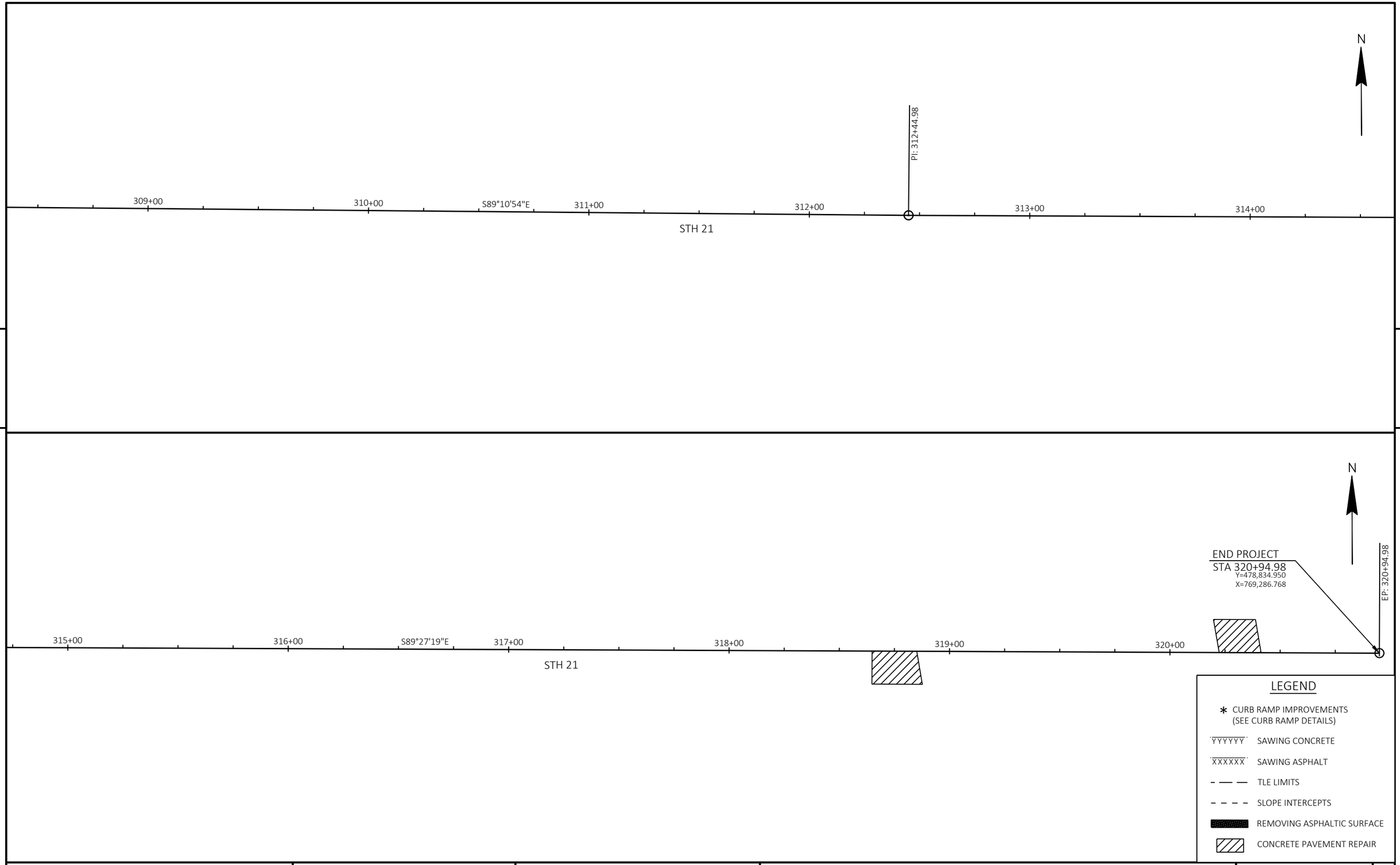
- ✱ CURB RAMP IMPROVEMENTS (SEE CURB RAMP DETAILS)
- YYYYYY SAWING CONCRETE
- XXXXXX SAWING ASPHALT
- TLE LIMITS
- SLOPE INTERCEPTS
- REMOVING ASPHALTIC SURFACE
- CONCRETE PAVEMENT REPAIR

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_135

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050231-pn

PLOT DATE : 12/8/2022 10:52 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT



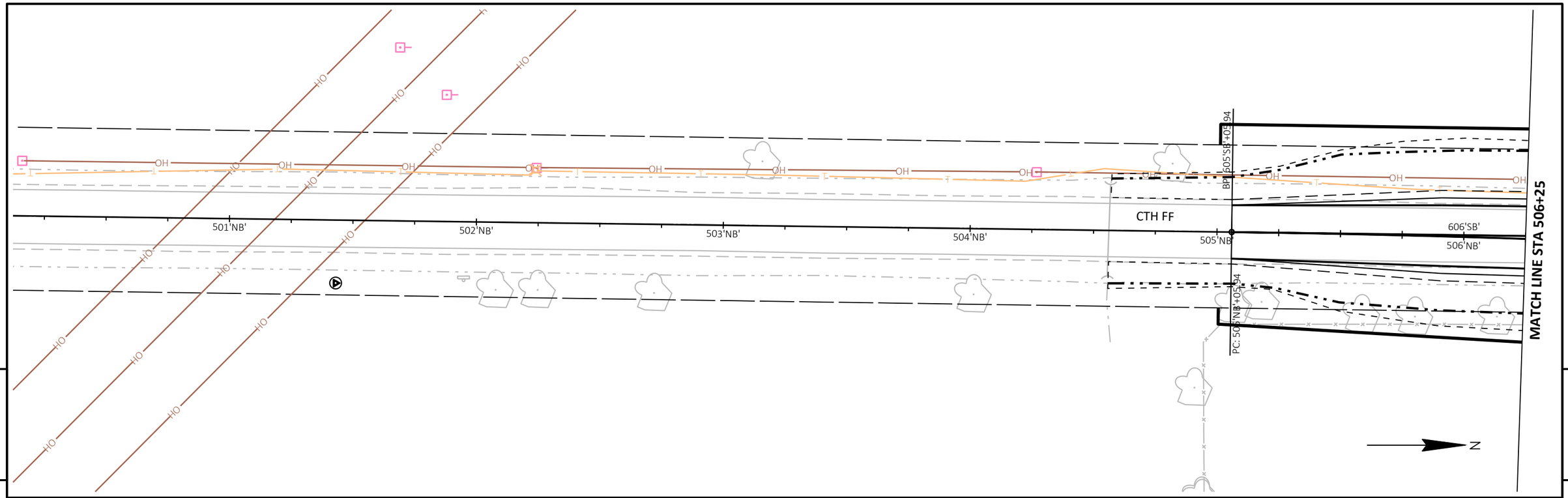
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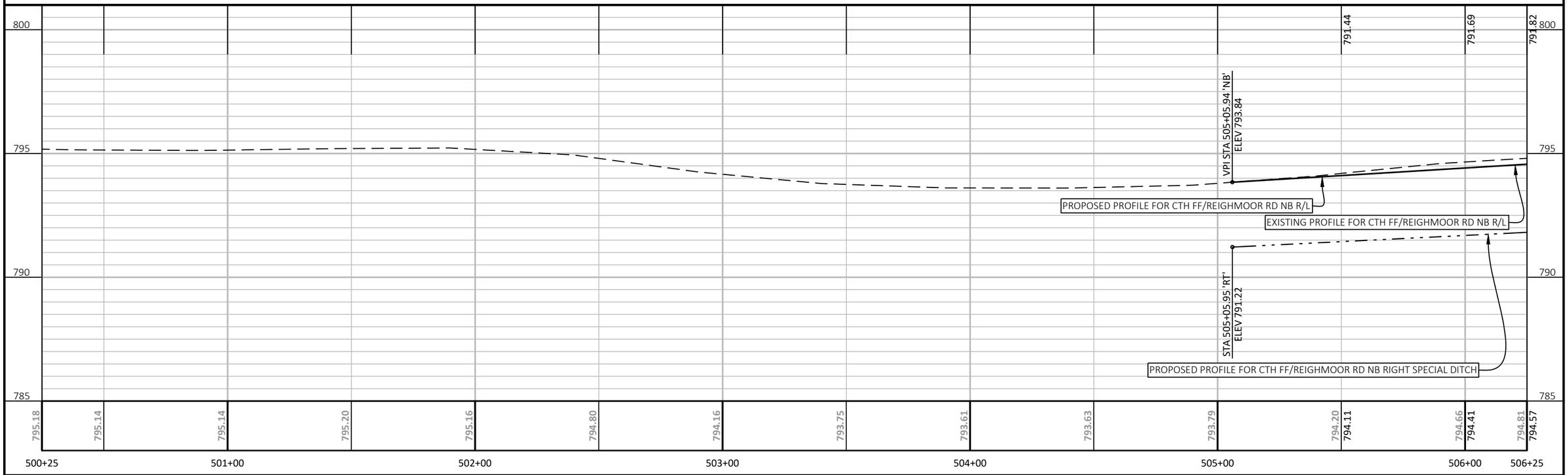
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN	SHEET E

PRE_136

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050232-pn

PLOT DATE : 12/8/2022 10:53 AM PLOT BY : ROHE, JUSTIN LAURENC PLOT NAME : PLOT SCALE : 1 IN:40 FT





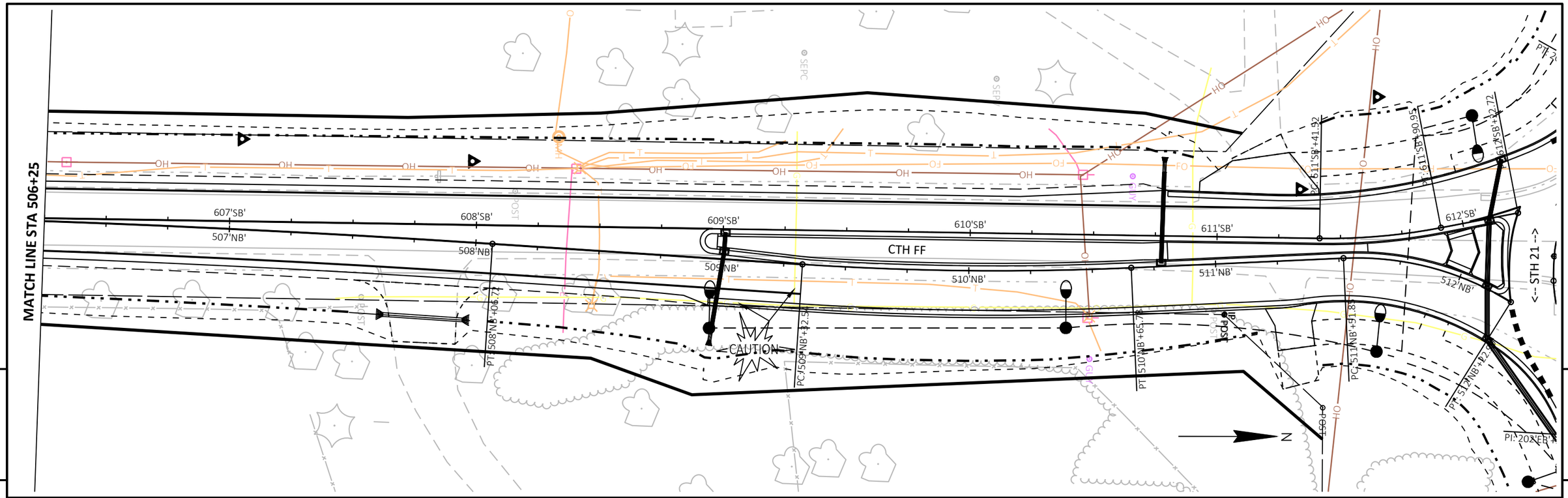
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: CTH FF NB	SHEET E

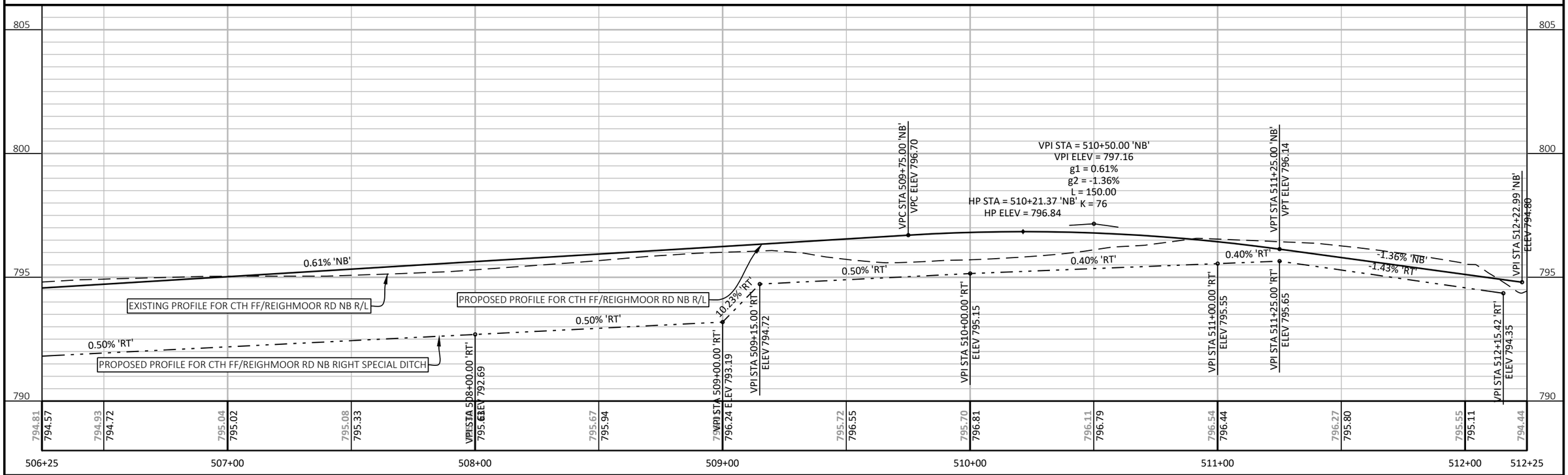
PRE_137

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050121-pp

PLOT DATE : 9/5/2023 11:01 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



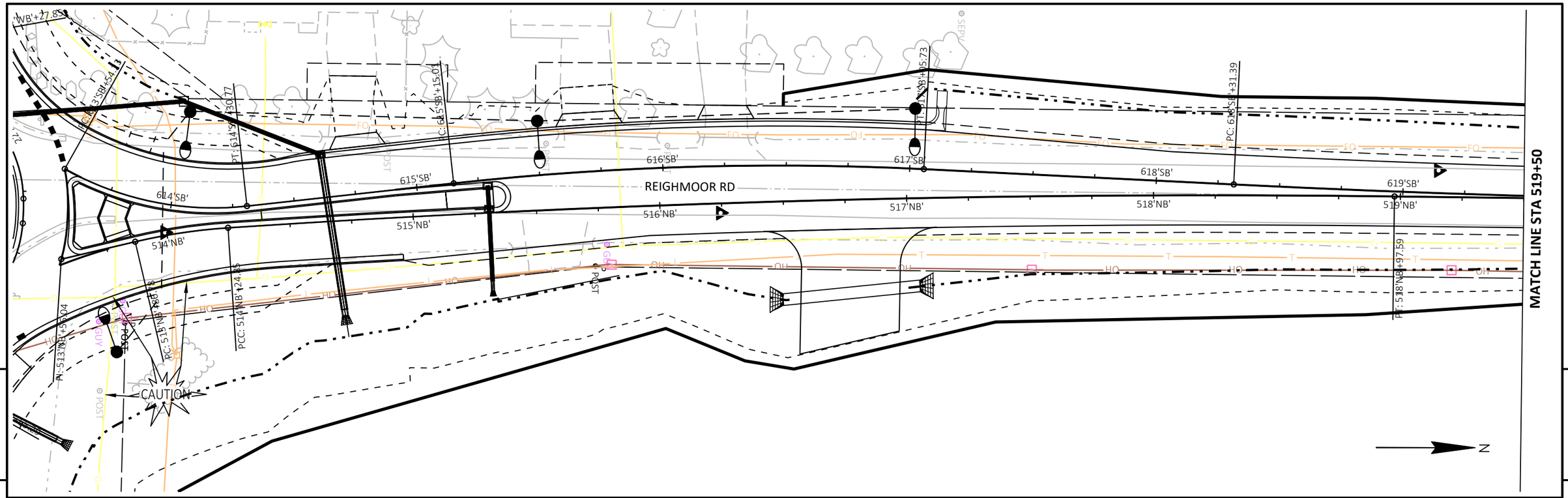


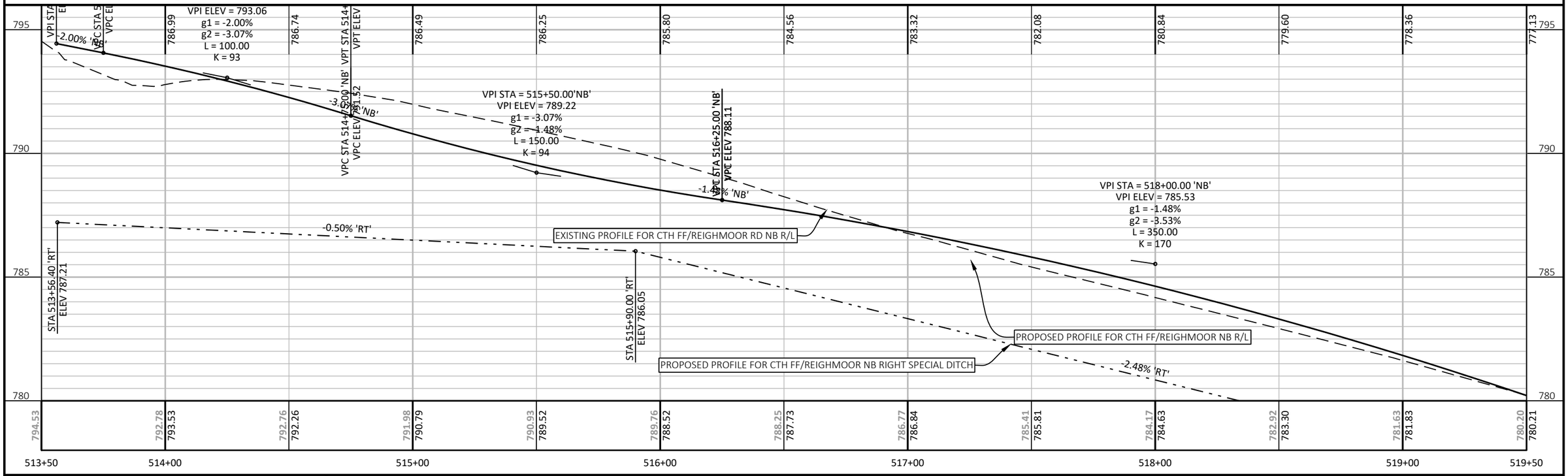
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: CTH FF NB	SHEET E

PRE_138

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050122-pp

PLOT DATE : 9/5/2023 11:01 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT



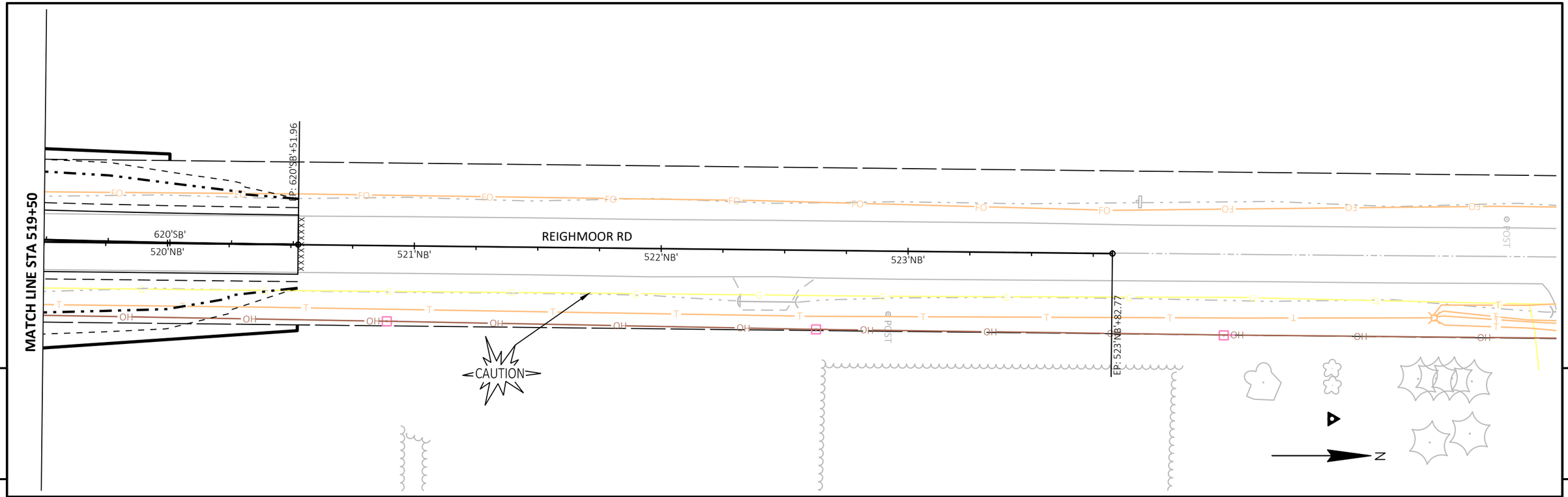


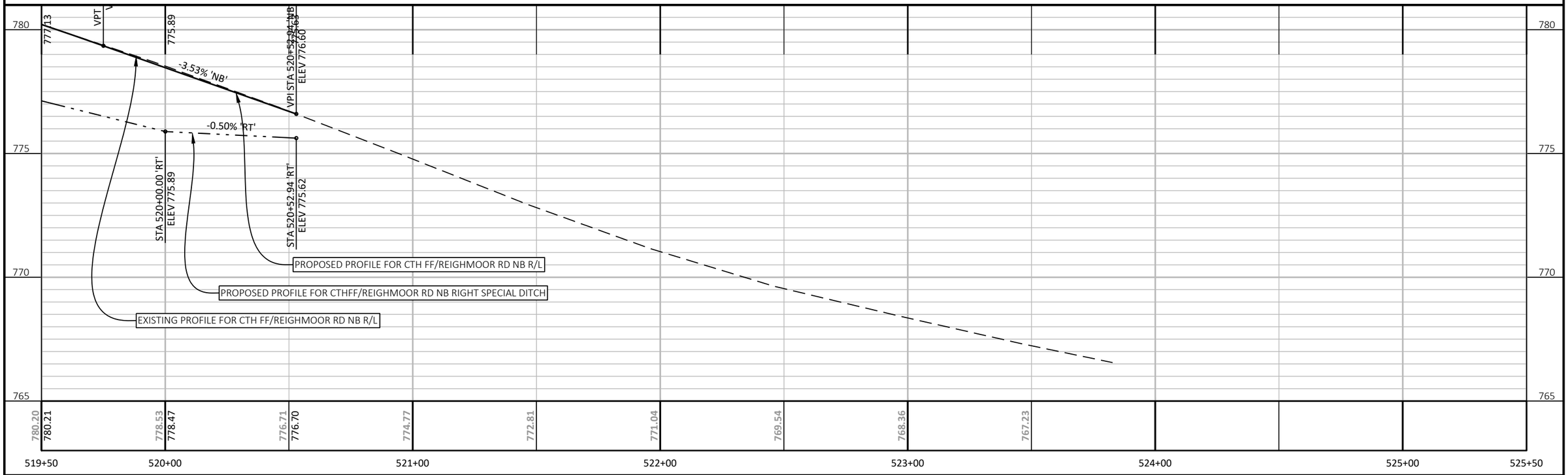
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: REIGHMOOR RD NB	SHEET E

PRE_139

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050125-pp

PLOT DATE : 9/5/2023 11:02 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT





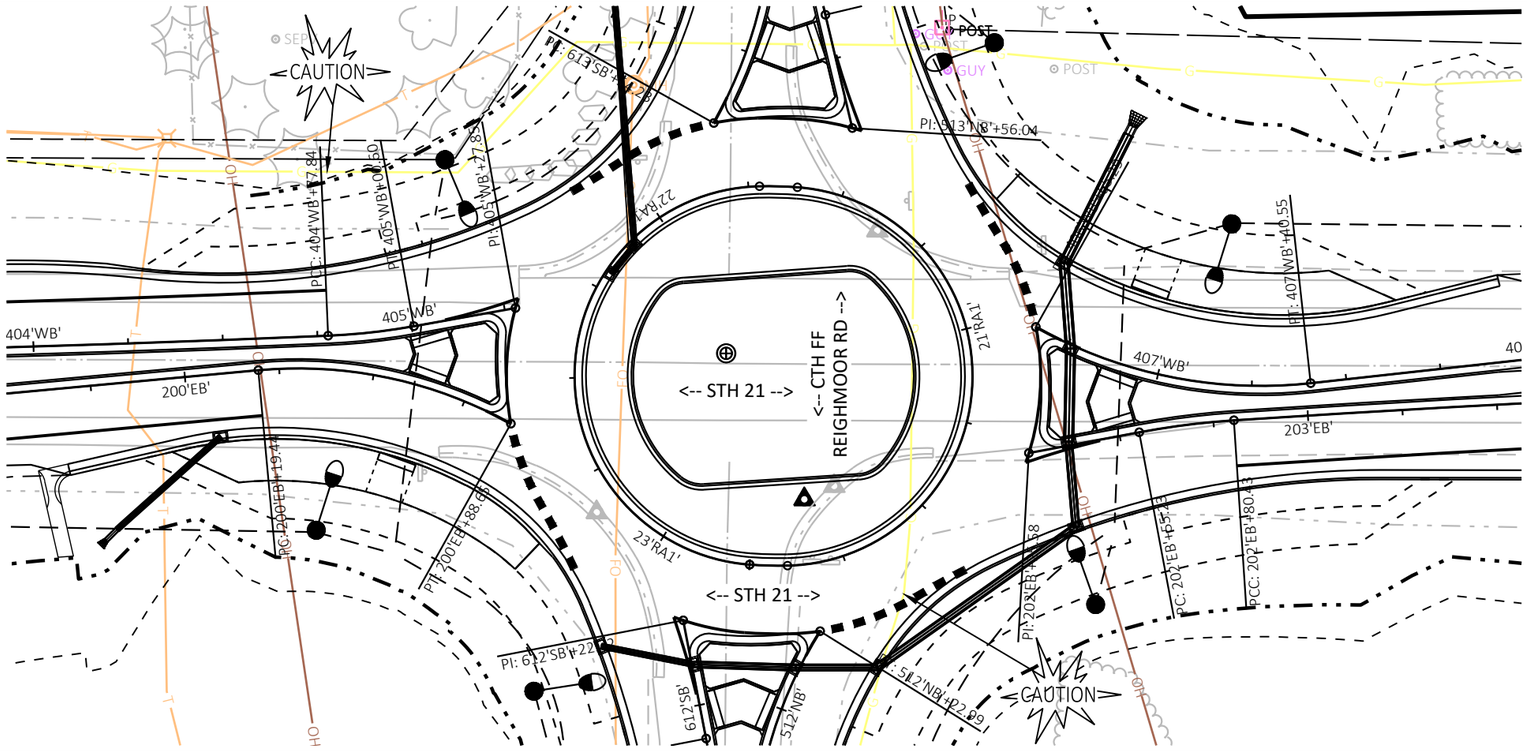
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: REIGHMOOR RD NB	SHEET E

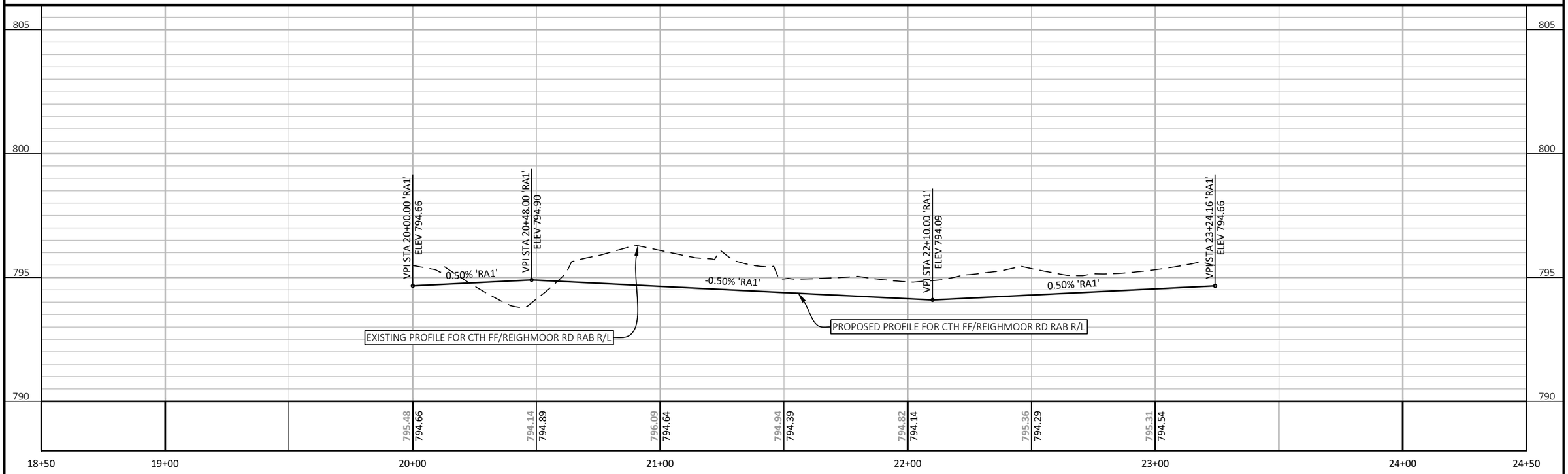
PRE_140

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050126-pp

PLOT DATE : 9/5/2023 11:02 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





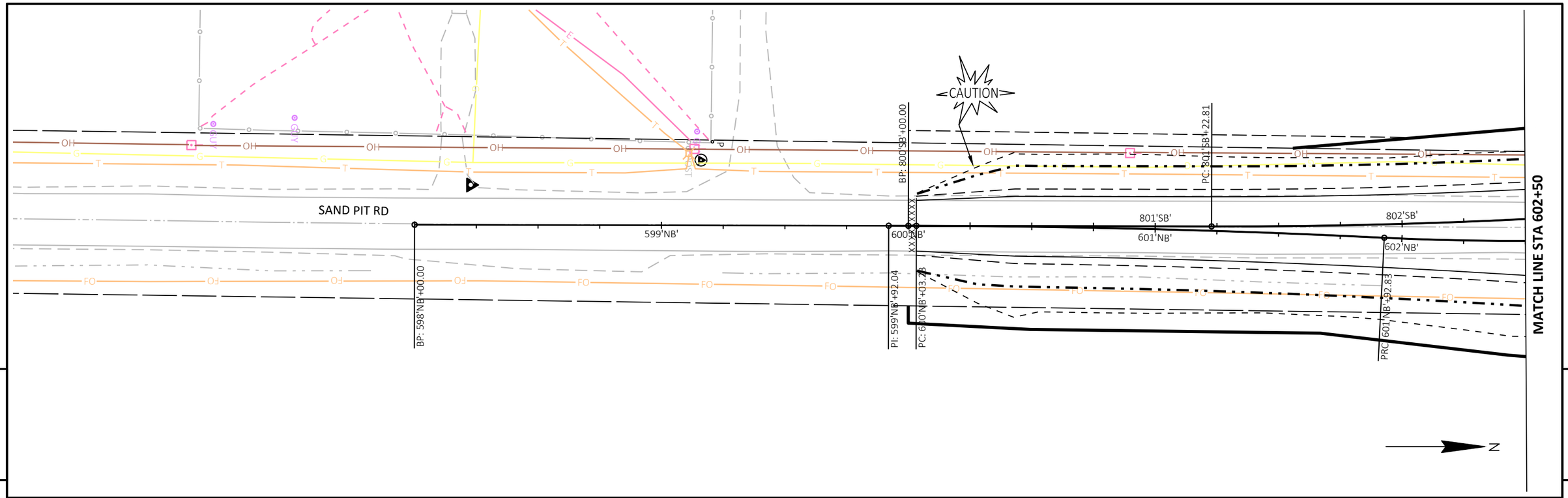
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: CTH FF-REIGHMOOR RD ROUNDABOUT	SHEET E

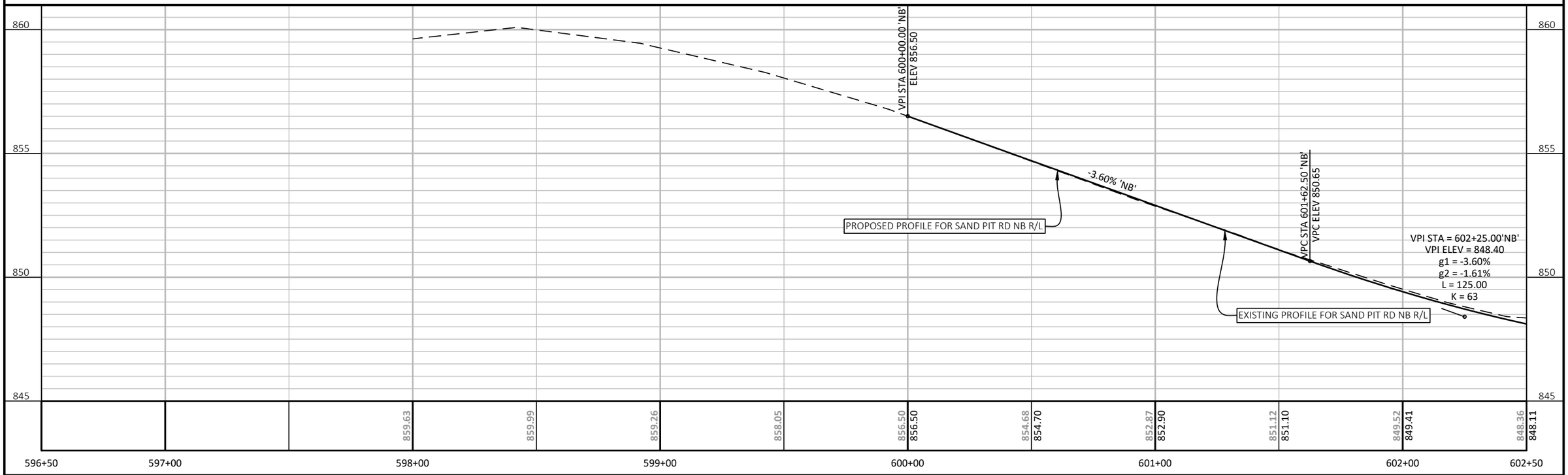
PRE_141

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050131-pp

PLOT DATE : 9/5/2023 11:02 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: SAND PIT RD NB	SHEET E

PRE_142

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050171-pp

PLOT DATE : 9/5/2023 11:02 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

MATCH LINE STA 602+50

MATCH LINE STA 608+50

<-- STH 21 -->

<-- SAND PIT RD -->

CAUTION

CAUTION

804'SB'

803'SB'

604'NB'

603'NB'

807'SB'

808'SB'

607'NB'

608'NB'

PI: 804'SB'+47.96

PC: 804'SB'+44.16

PT: 804'SB'+49.77

PRC: 804'NB'+04.63

PT: 804'NB'+18.05

PCC: 11'RA2'+13.40

PI: 255'EB'+68.42

PC: 256'EB'+00.00

256'EB'

12'RA2'

13'RA2'

11'RA2'

PC: 806'SB'+10.09

PI: 806'SB'+77.01

PCC: 807'SB'+66.29

PC: 606'NB'+38.59

PCC: 606'NB'+62.59

PC: 606'NB'+10.31

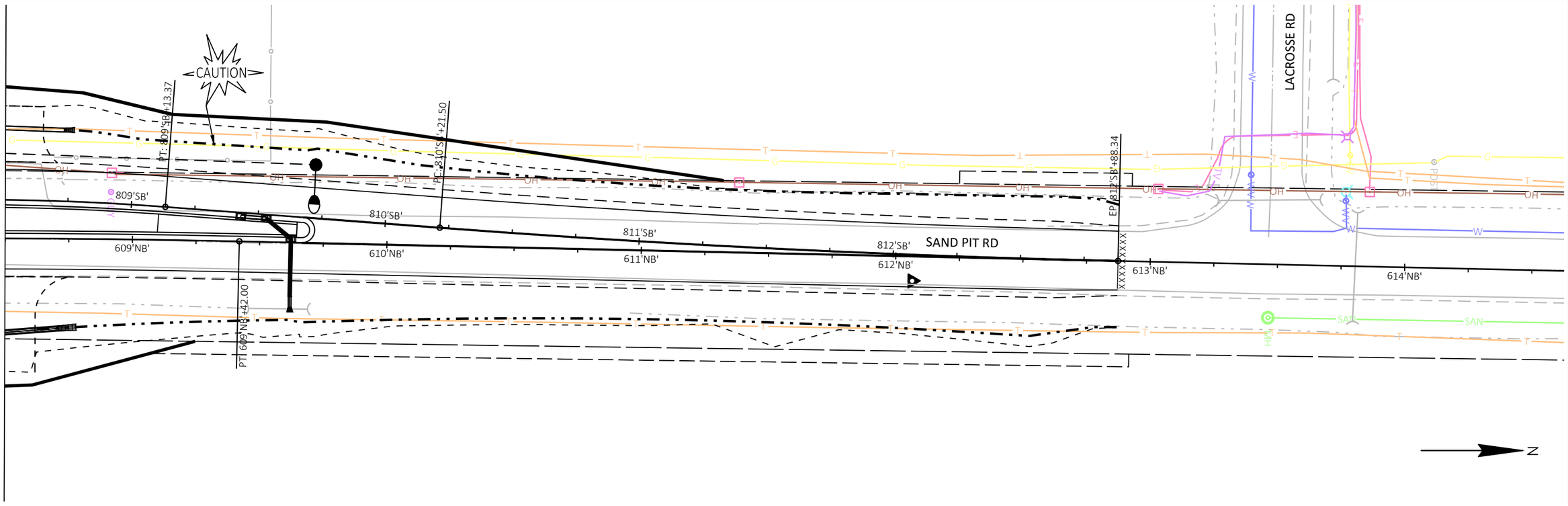
PI: 360'WB'+06.23

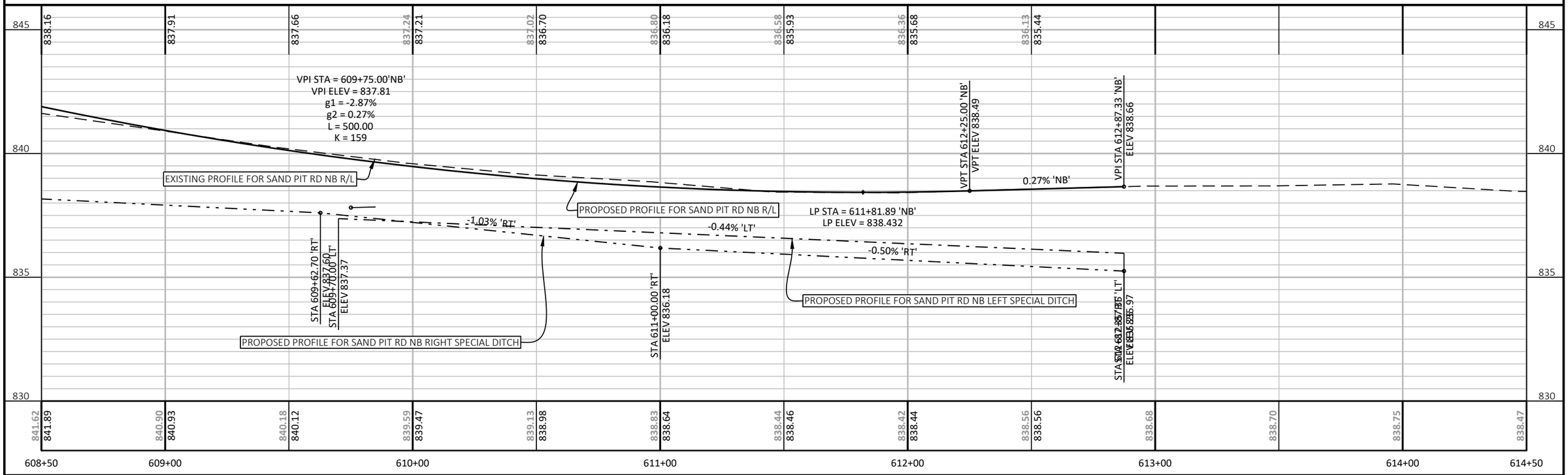
PCC: 12'RA2'+40.15

P POST

P POST

P POST





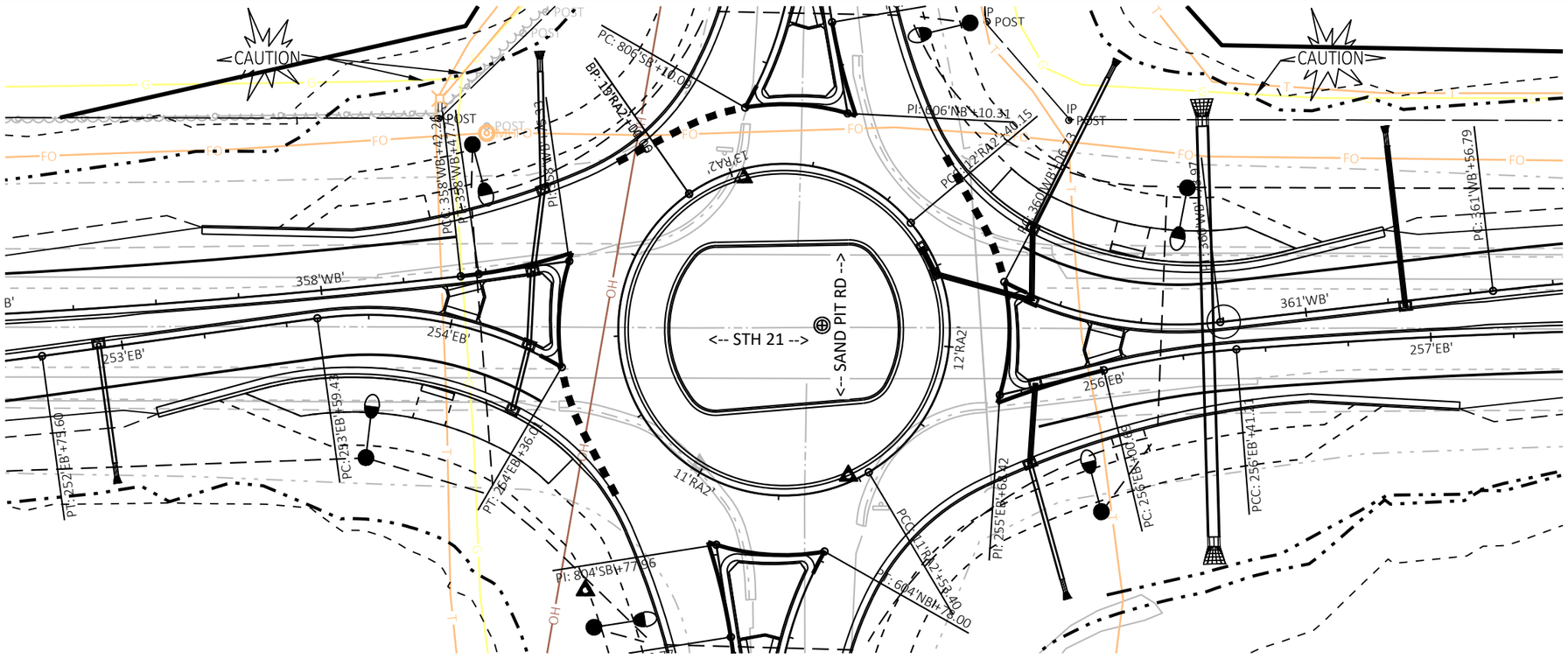
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: SAND PIT RD NB	SHEET E

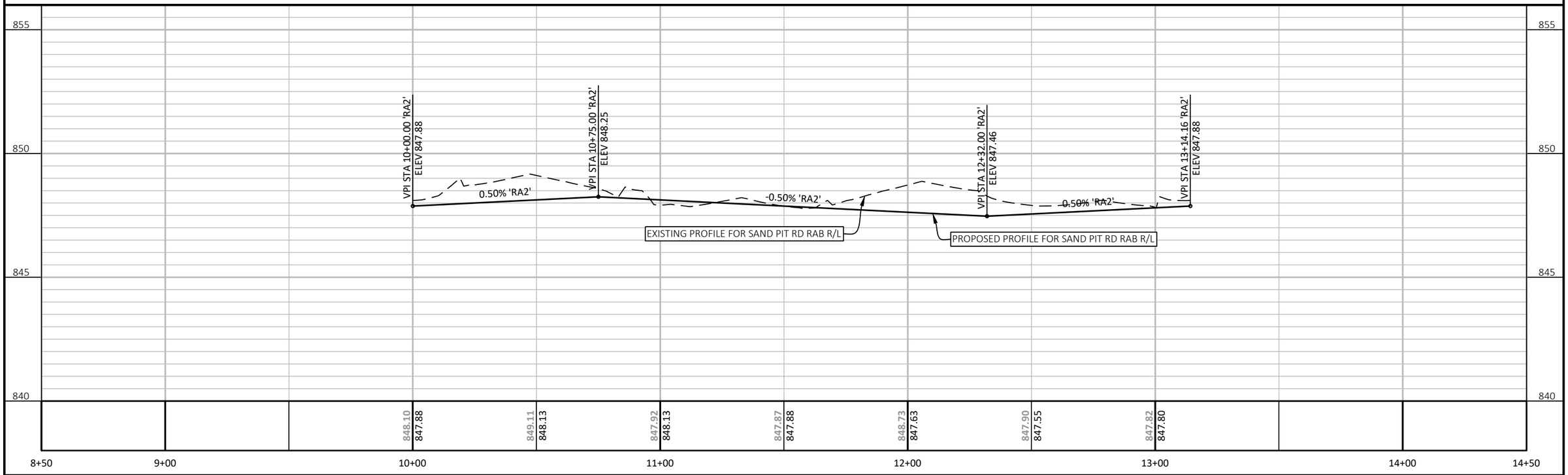
PRE_144

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-050100-PP.DWG
LAYOUT NAME - 61803071-050173-pp

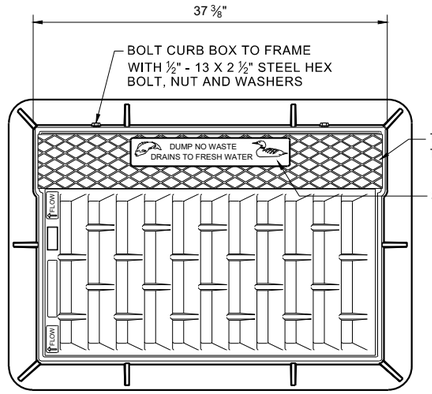
PLOT DATE : 9/5/2023 11:03 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

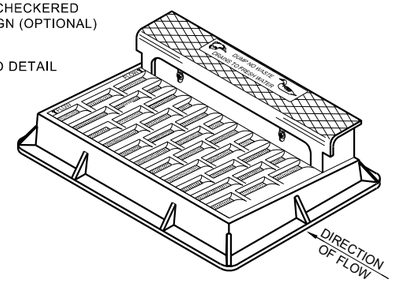




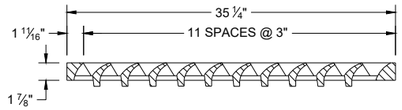
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	PLAN AND PROFILE: SAND PIT RD ROUNDABOUT	SHEET E

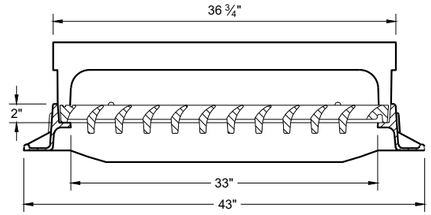


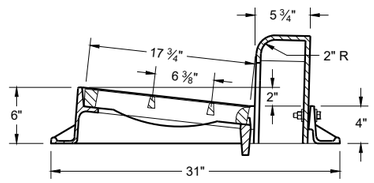
NOTE: EITHER CASTING IS ACCEPTABLE

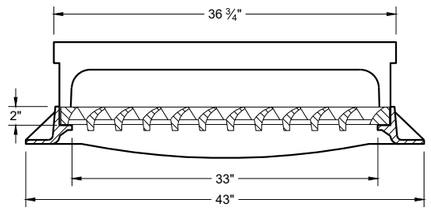


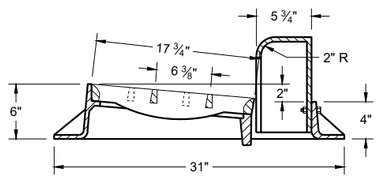
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







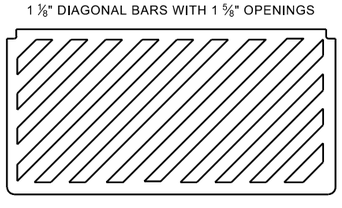




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

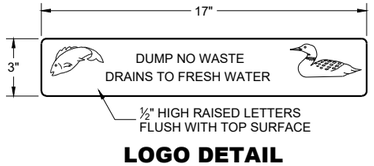
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



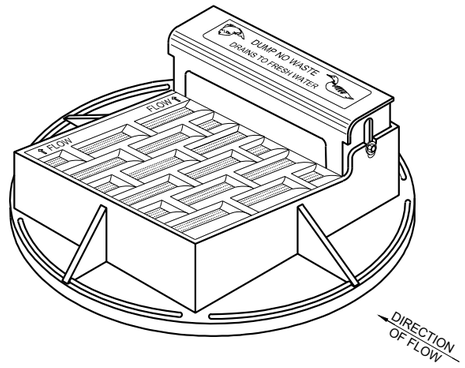
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

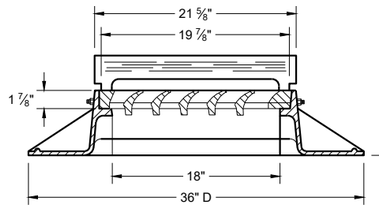


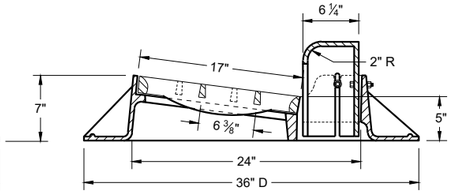
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





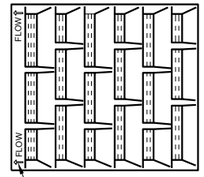
TYPE "A"

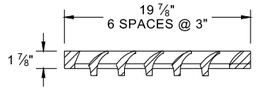
GENERAL NOTES

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.

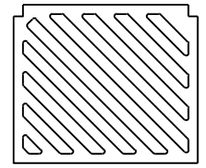
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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





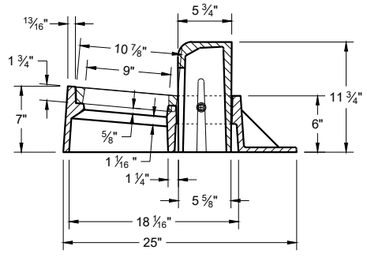
1" DIAGONAL BARS WITH 1 ½" OPENINGS

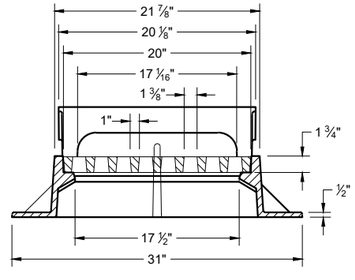


SPECIAL GRATE FOR TYPE "A" COVER

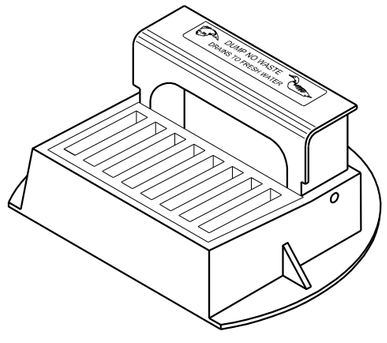
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

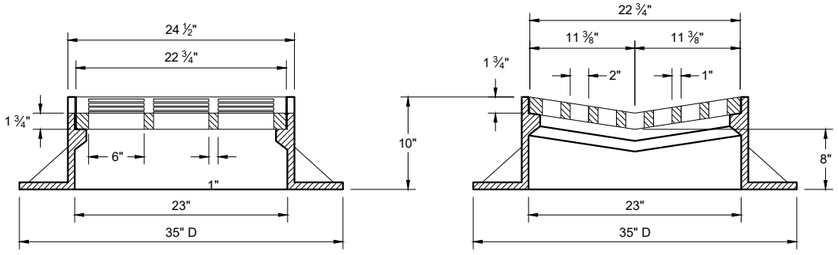
APPROVED
July 2023
DATE

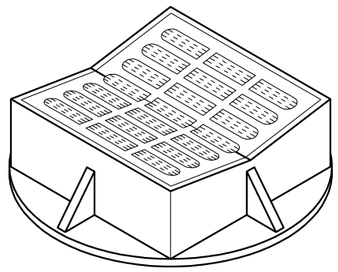
/S/ Rodney Tayler
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

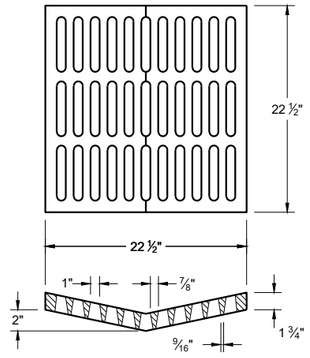
6

SDD 08A05-20a





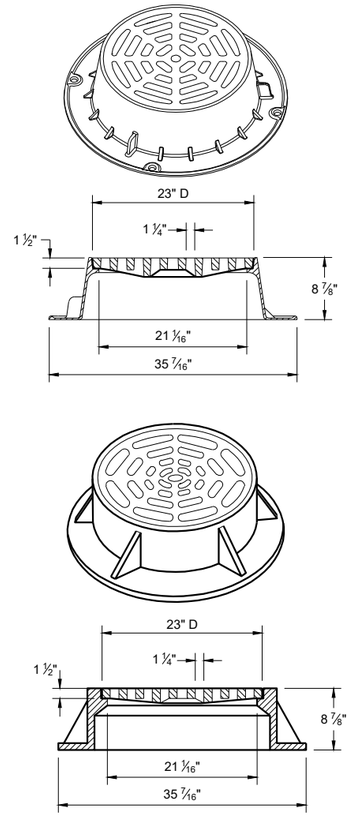
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

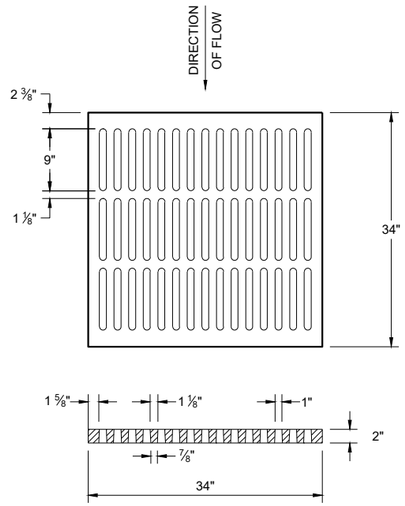
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

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

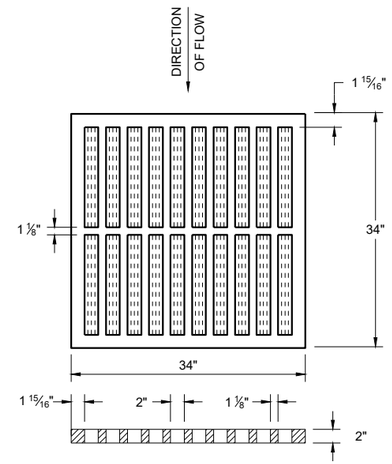
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

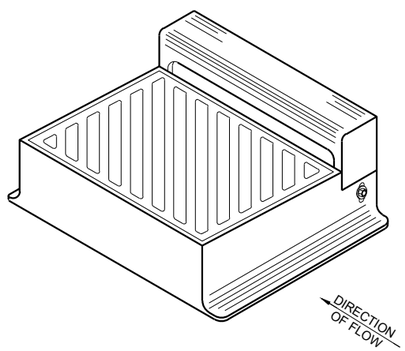
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



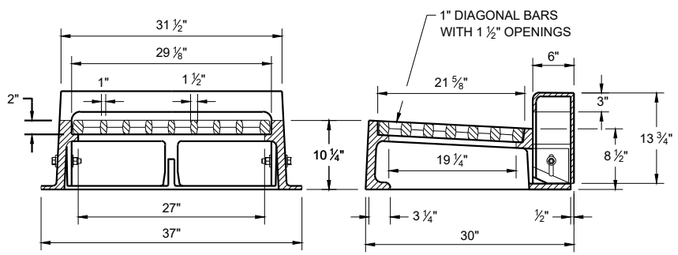
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



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



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPER

FHWA

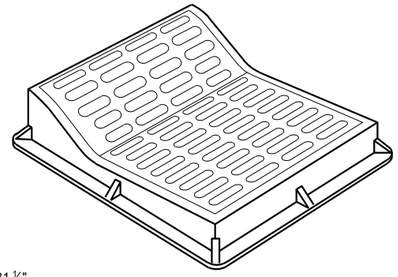
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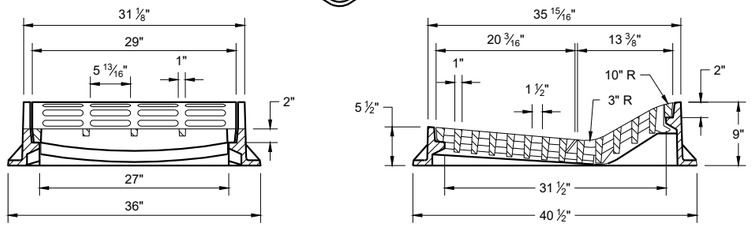
SDD 08A05-20b

GENERAL NOTES

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

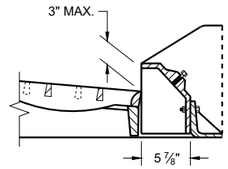
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

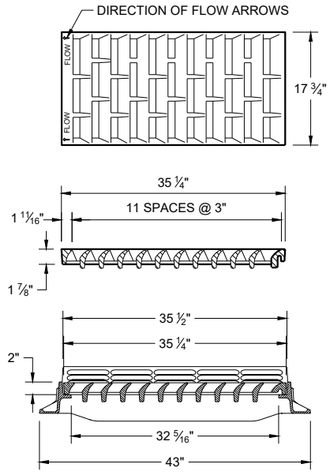


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

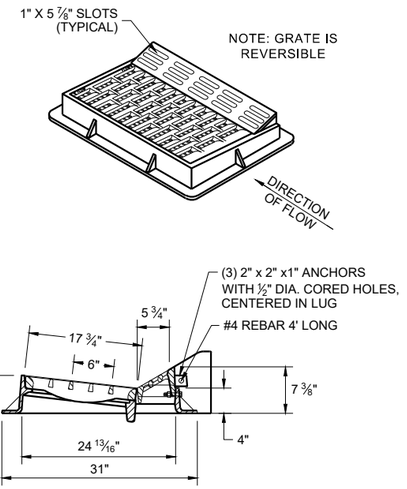
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



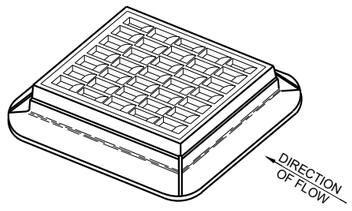
TYPE "HM"

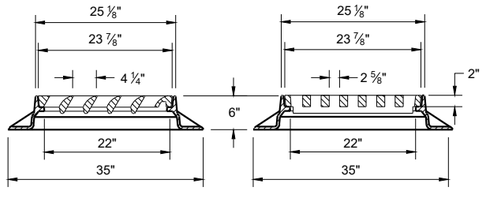
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



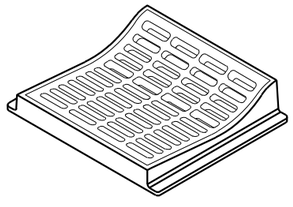
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

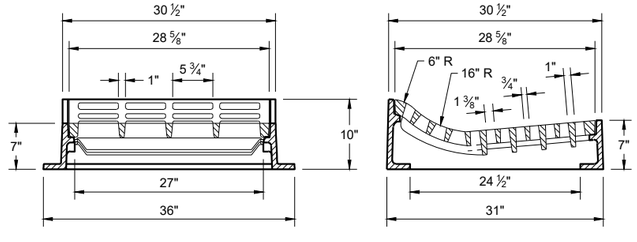
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





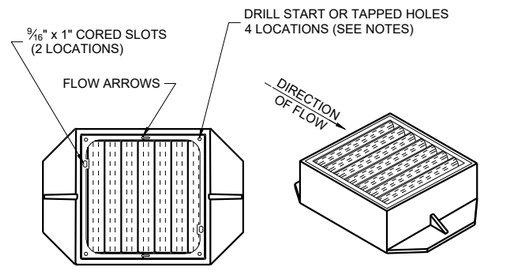
TYPE "S"

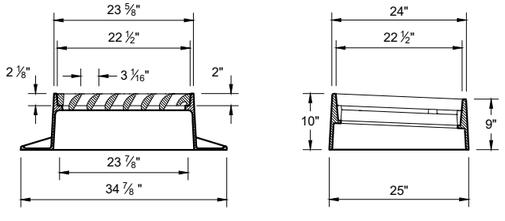




TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

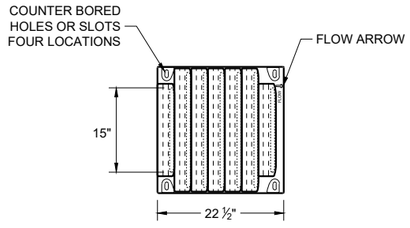




TYPE "V"

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER ALL DRILLING AND TAPPING GRATES AND FRAMES BY CASTING MANUFACTURER

TYPE V
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A
3/8" DIA. X 1/16" DRILL START IN 4 LOCATIONS
GRATE - CAST GRAY IRON ASTM A-48, CLASS 35B



BOLT DOWN GRATE FOR TYPE "V" COVER

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER NOTED AS TYPE "V-B" ON DRAINAGE TABLE

TAP 1/2" -13 HOLES IN FOUR LOCATIONS IN FRAME TO BOLT GRATE
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A

GRATE - CAST DUCTILE IRON ASTM A536, 55+KSI YIELD
BOLTS - 1/2" -13 STAINLESS STEEL BOLTS WITH WASHERS
TORQUE BOLTS TO MANUFACTURER SPECIFICATION DO NOT OVERTIGHTEN.

INLET COVERS TYPES F, HM, HM-S, S, T, V, HM-GJ AND HM-GJ-S

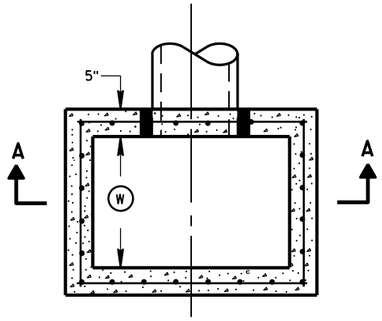
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERV

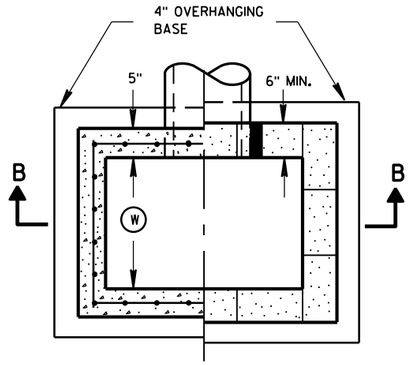
FHWA

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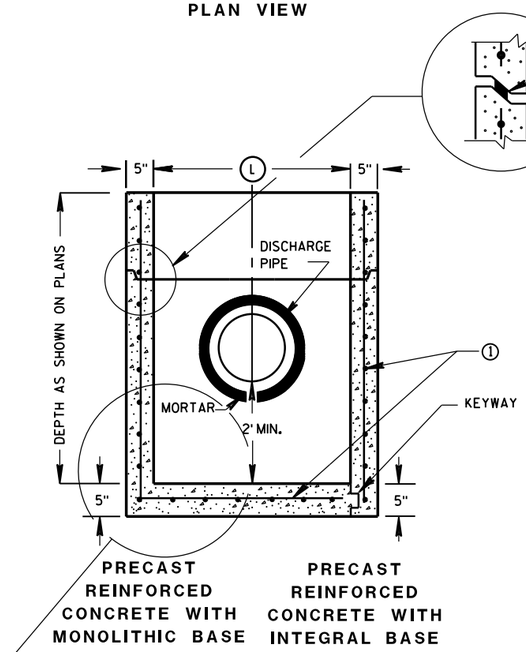
SDD 08A05-20c



PLAN VIEW



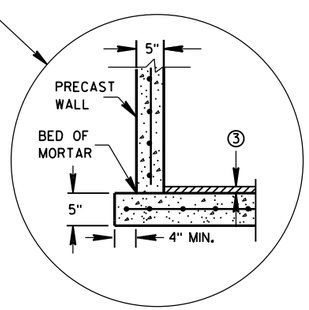
PLAN VIEW



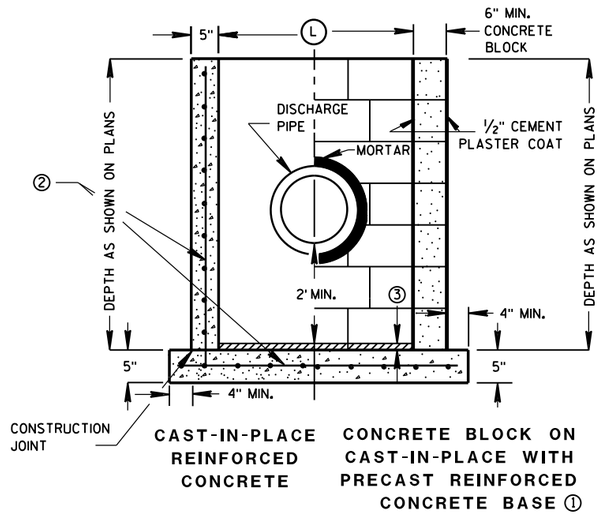
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



CAST-IN-PLACE REINFORCED CONCRETE

CONCRETE BLOCK ON CAST-IN-PLACE WITH PRECAST REINFORCED CONCRETE BASE ①

SECTION B-B

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

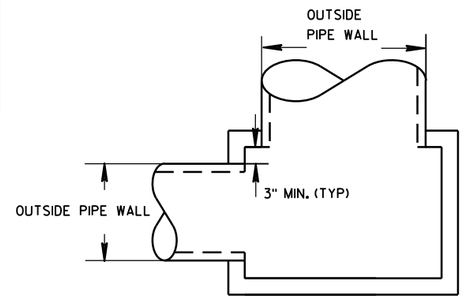
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

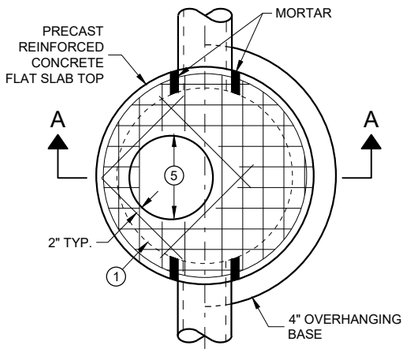
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

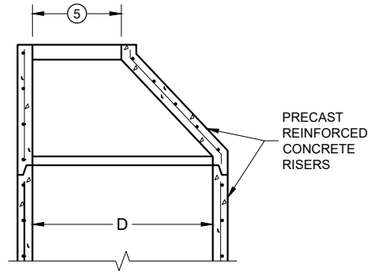
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
PR
FHWA

CATCH BASINS 2X3-FT AND 2.5X3-FT

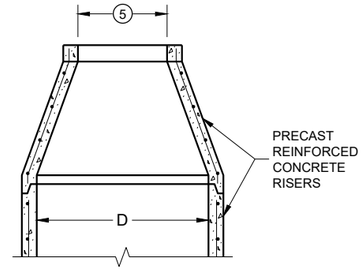
SDD 08B09 Manholes, 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT and 10-FT



PLAN VIEW
CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

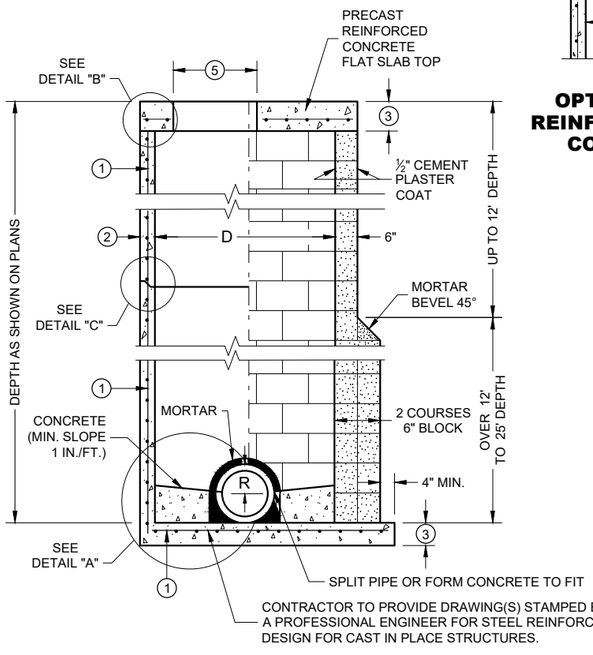
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

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

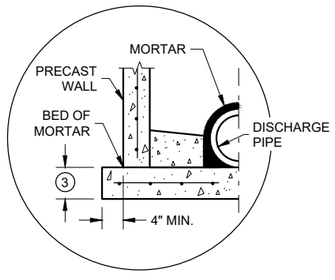
(5) SEE MANHOLE COVER OPENING MATRIX.



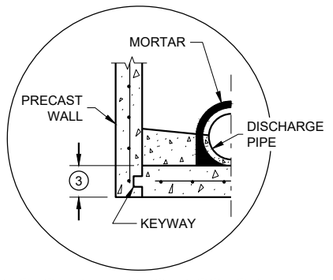
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

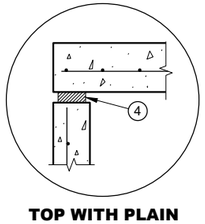


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

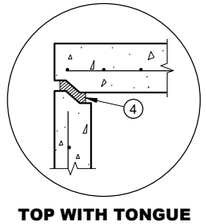


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

DETAIL "A"

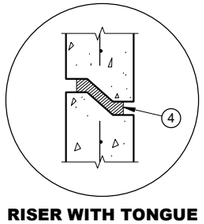


TOP WITH PLAIN END JOINT



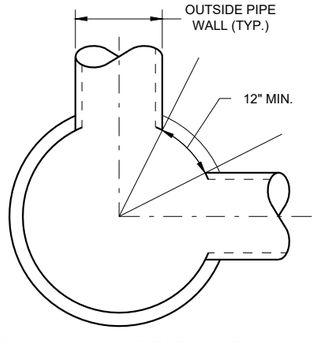
TOP WITH TONGUE AND GROOVE JOINT

DETAIL "B"



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "C"



MINIMUM HORIZONTAL PIPE SEPARATION

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

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

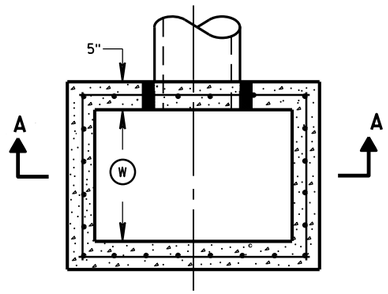
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

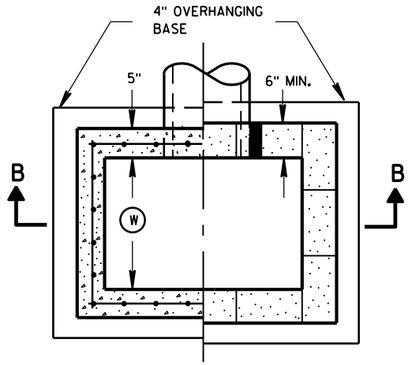
PRE_150

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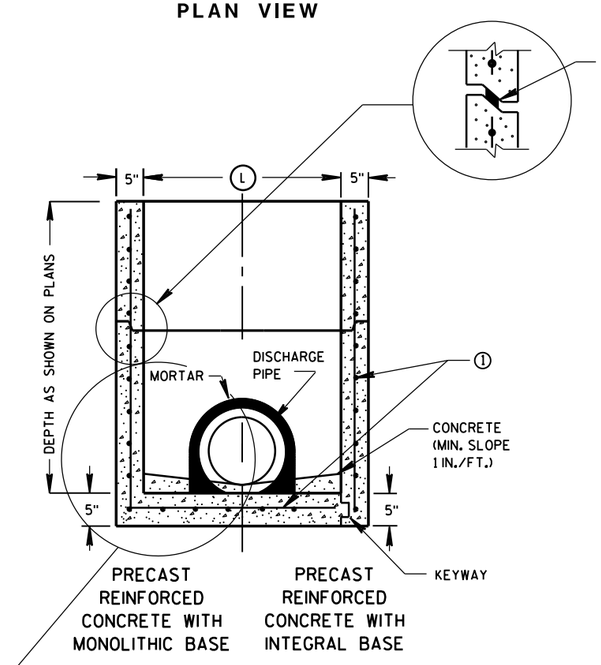
SDD 08B09 - 03



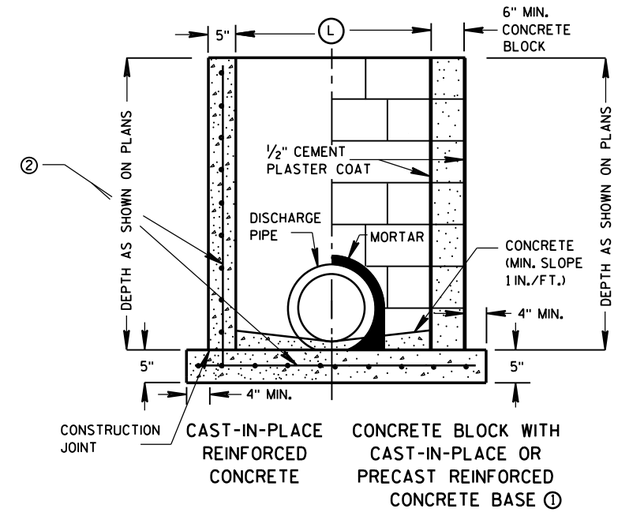
PLAN VIEW



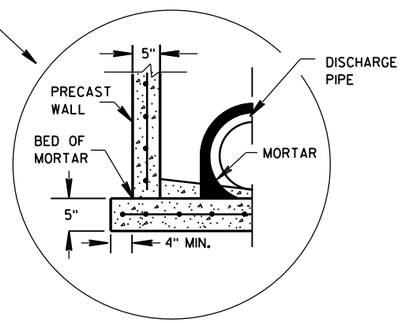
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

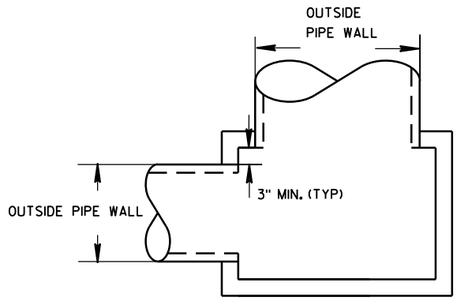
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



DETAIL "A"

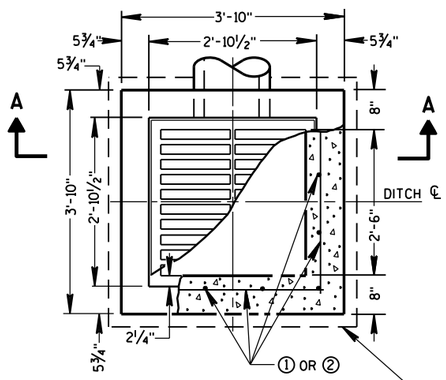
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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

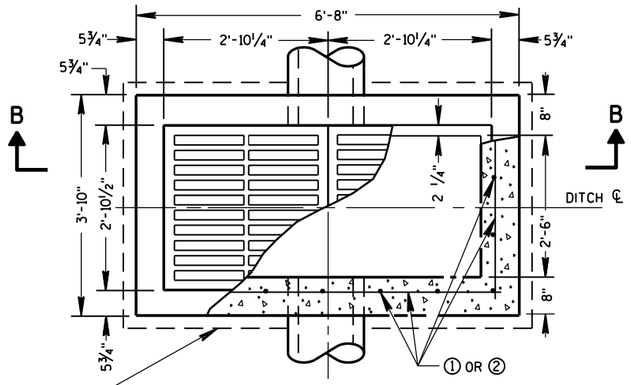
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDAR
UNIT SUP
FHWA

SDD 8C8 Inlets Median 1 and 2 Grate

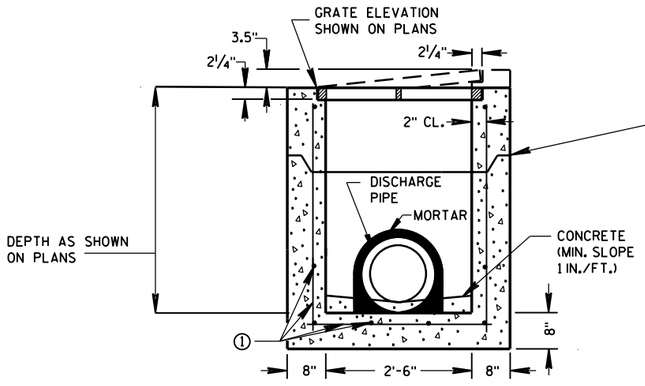


PLAN VIEW

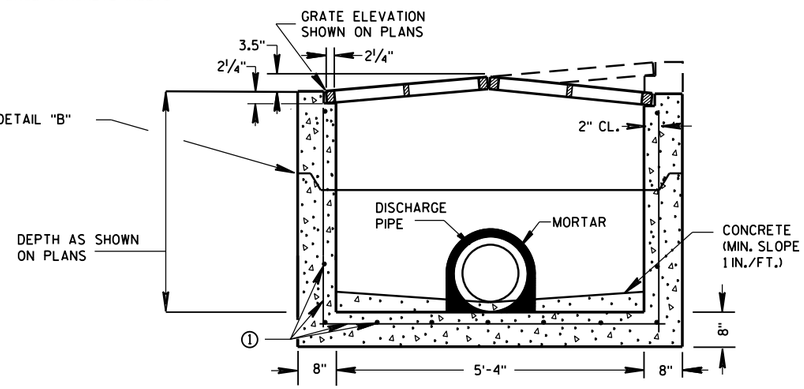


PLAN VIEW

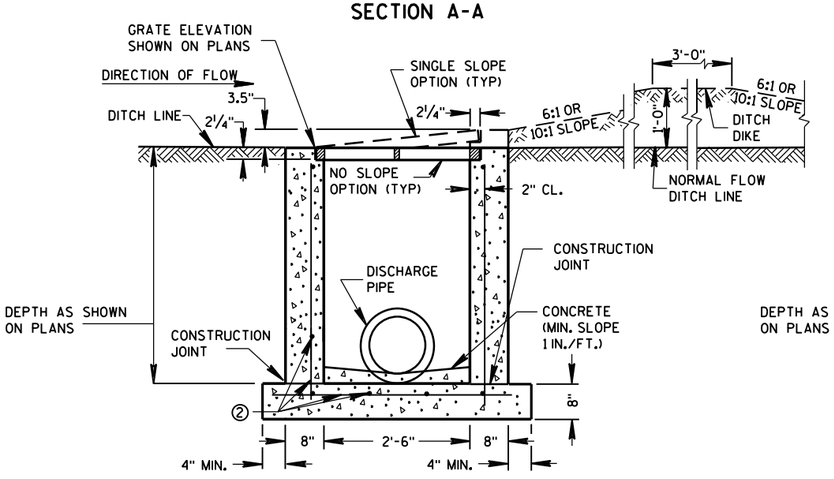
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



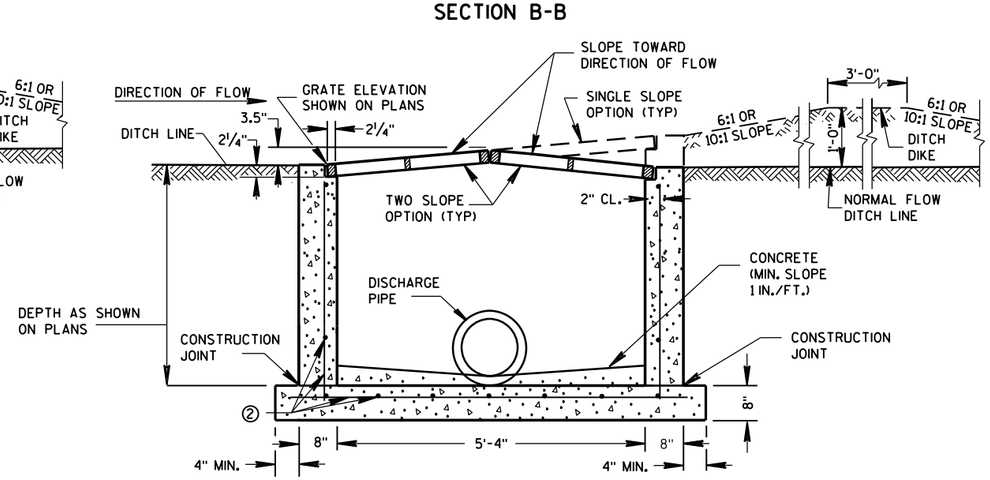
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

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

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

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

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

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

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

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

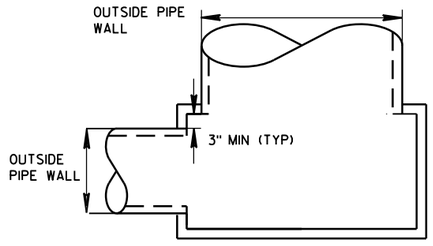
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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

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

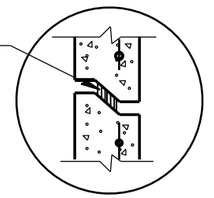
PIPE MATRIX

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



DETAIL "A"

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

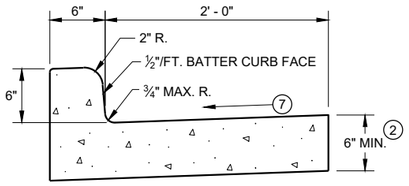


DETAIL "B"

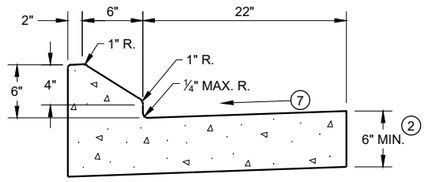
INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

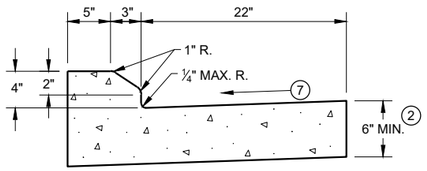
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDA UNIT SU
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FHWA



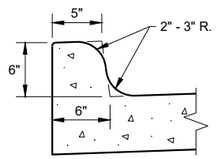
TYPES A (1) & D



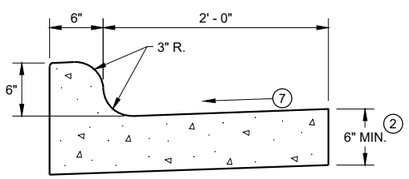
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

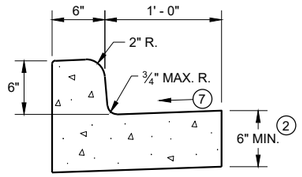


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



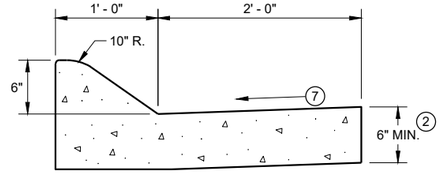
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

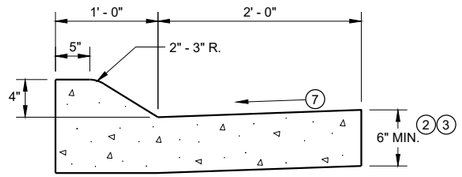


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

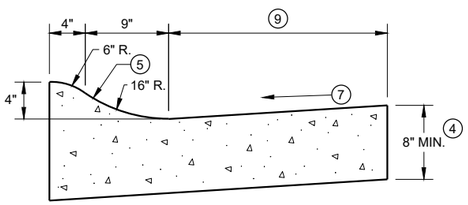


6" SLOPED CURB TYPES A (1) & D



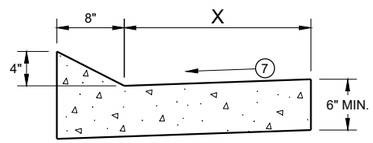
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

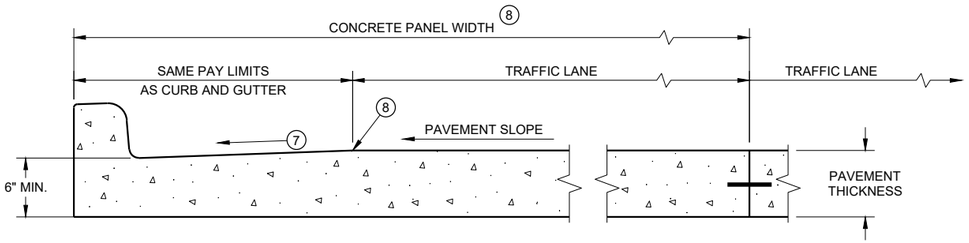


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

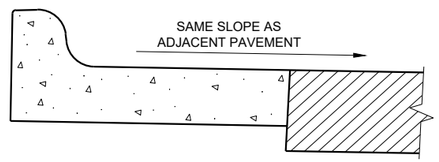
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

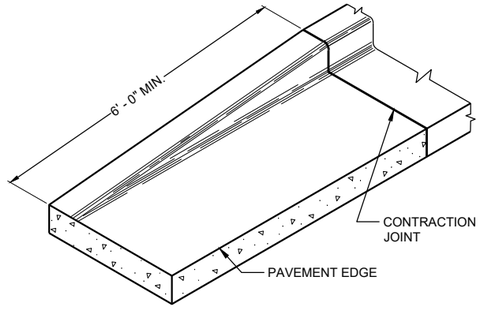
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(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

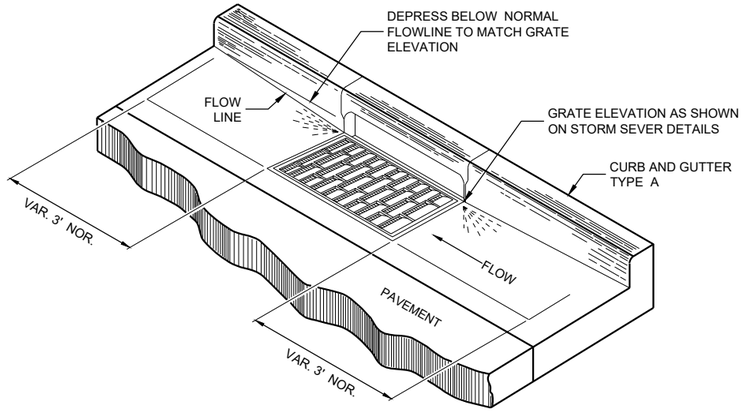
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_153

6
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.

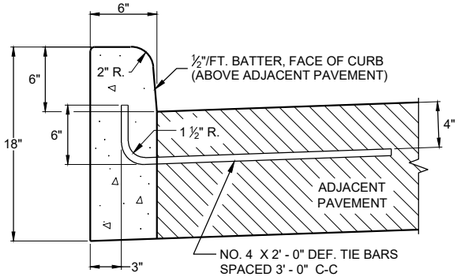
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

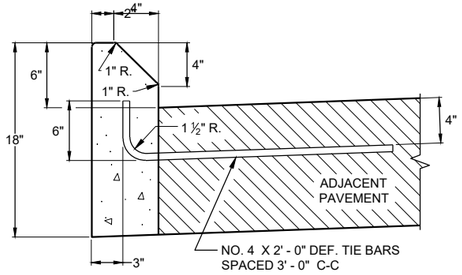
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

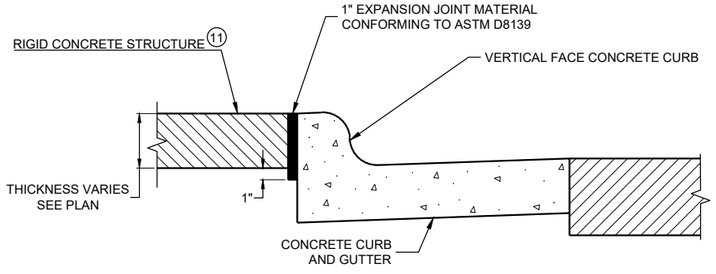


TYPES A (1) & D

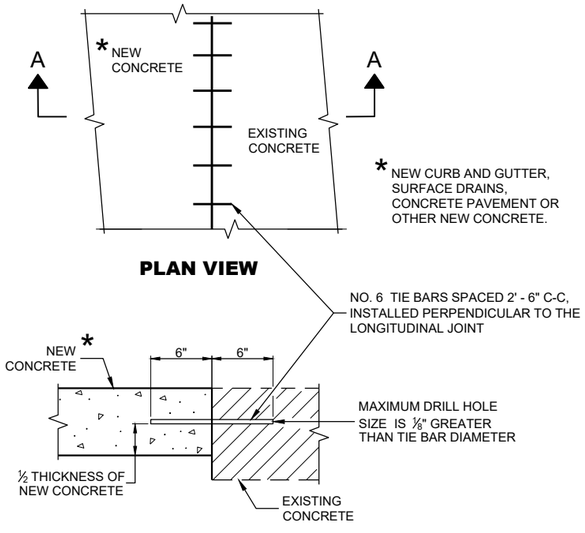


TYPES G (1) & J

CONCRETE CURB



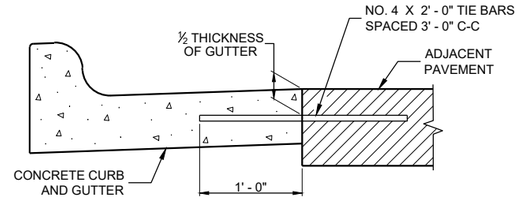
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



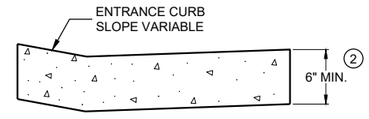
PLAN VIEW

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 ENGINEE

FHWA

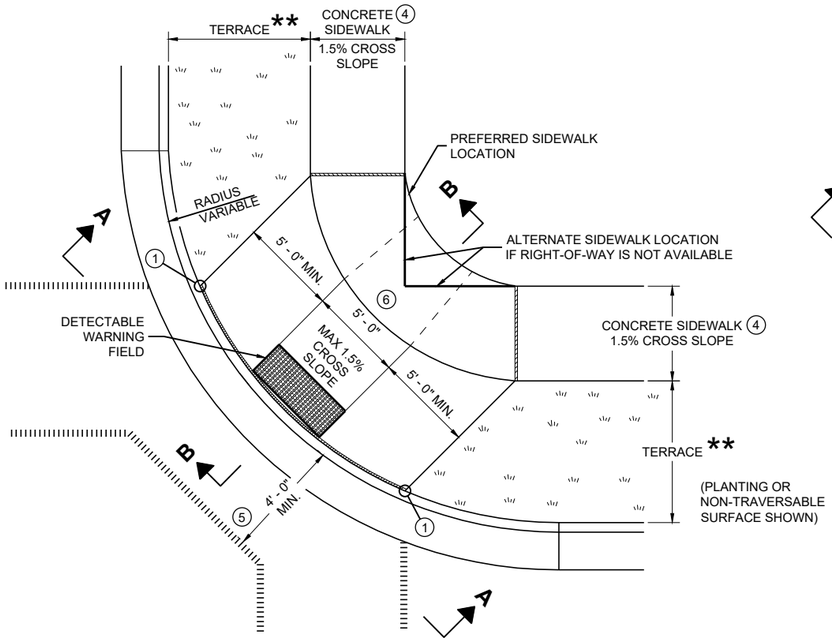
PRE_154

6

SDD08D01 - 23b

6

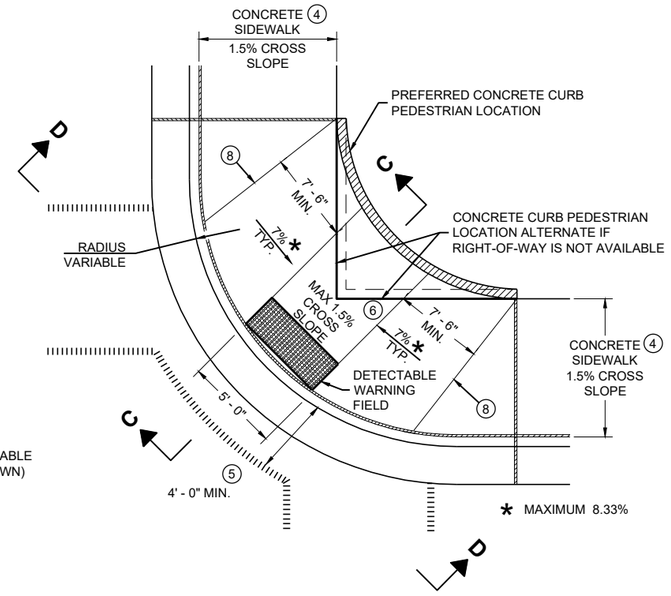
SDD08D01 - 23b



PLAN VIEW

CURB RAMP TYPE 1

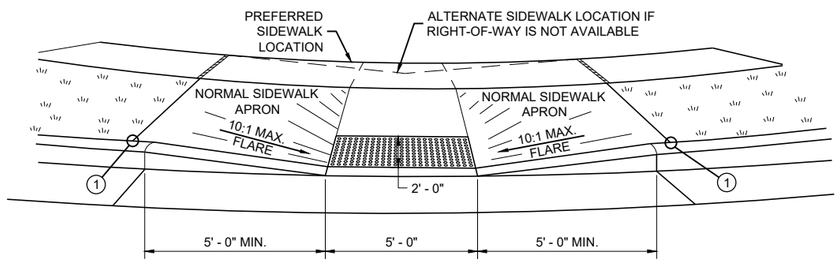
(CENTER OF CORNER RADIUS)



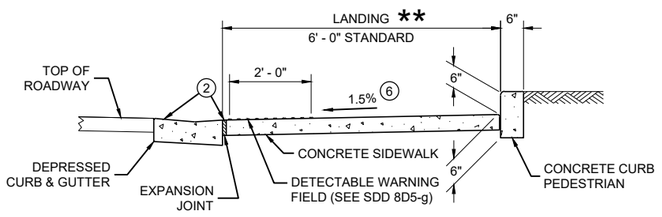
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

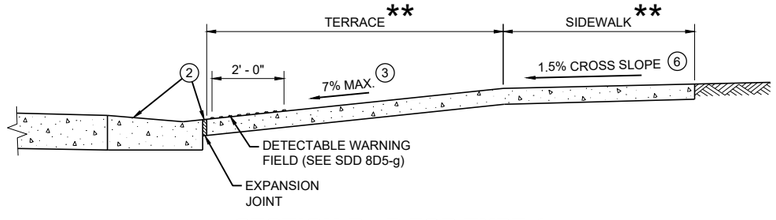


VIEW A - A FOR TYPE 1

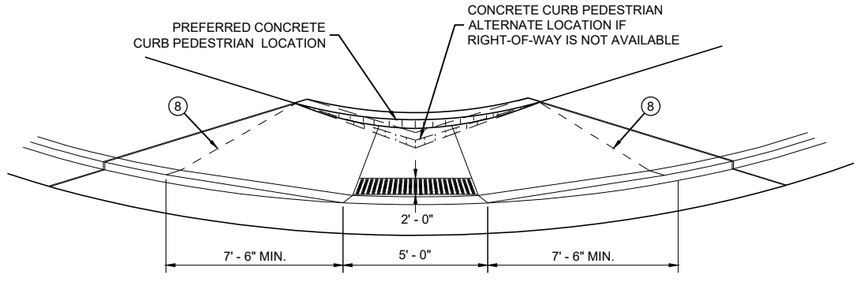


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 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) 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. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

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

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

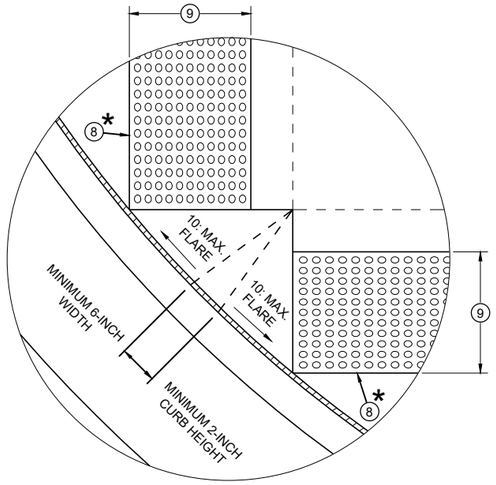
LEGEND

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

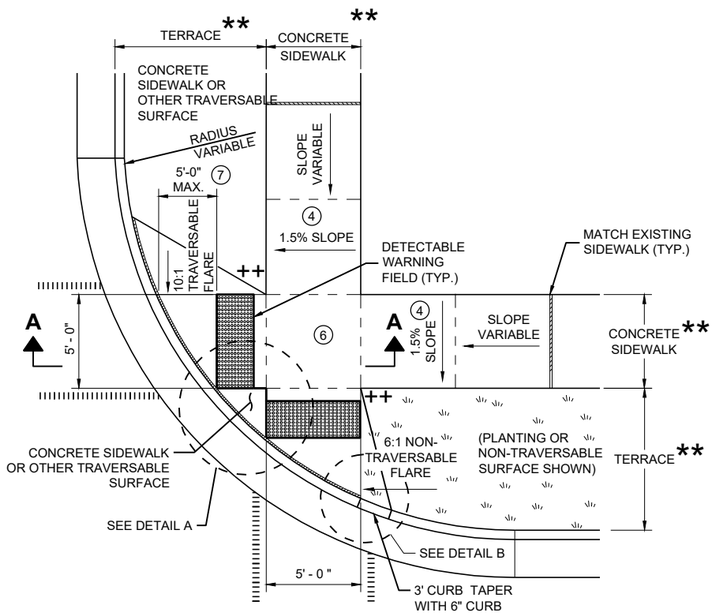
CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

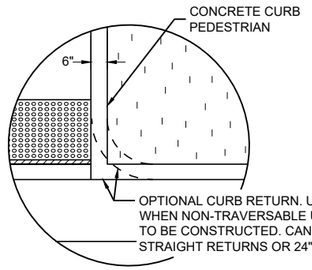
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SDD 08D05-21a



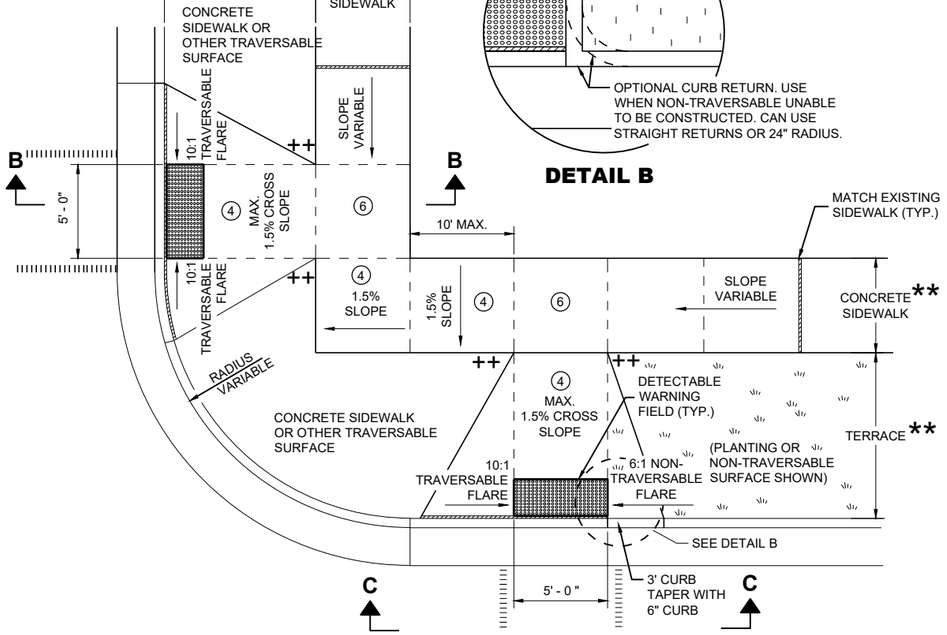
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



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

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.

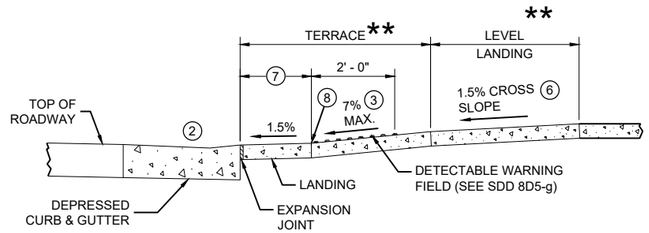
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

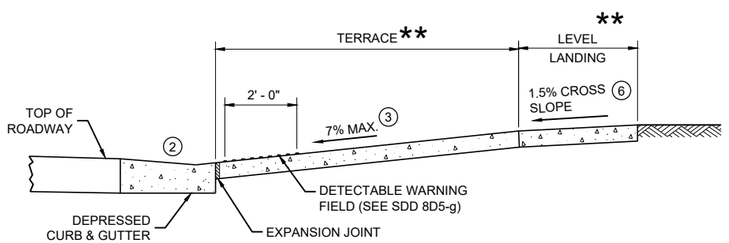


SECTION A - A FOR TYPE 2

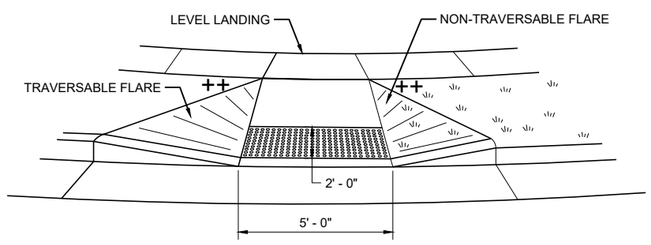
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



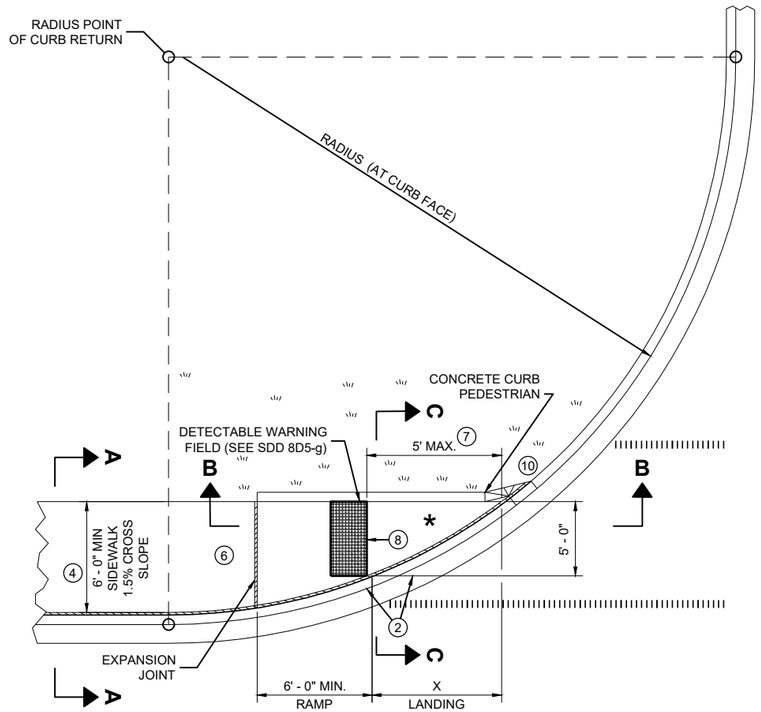
VIEW C - C FOR TYPE 3

LEGEND

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

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

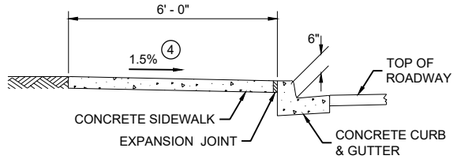


PLAN VIEW

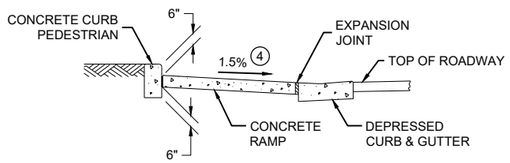
CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

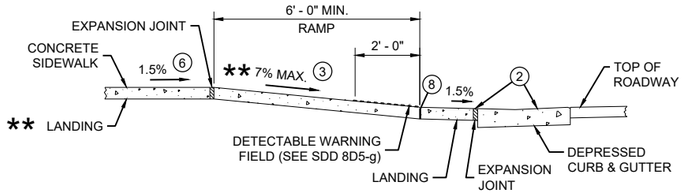
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A



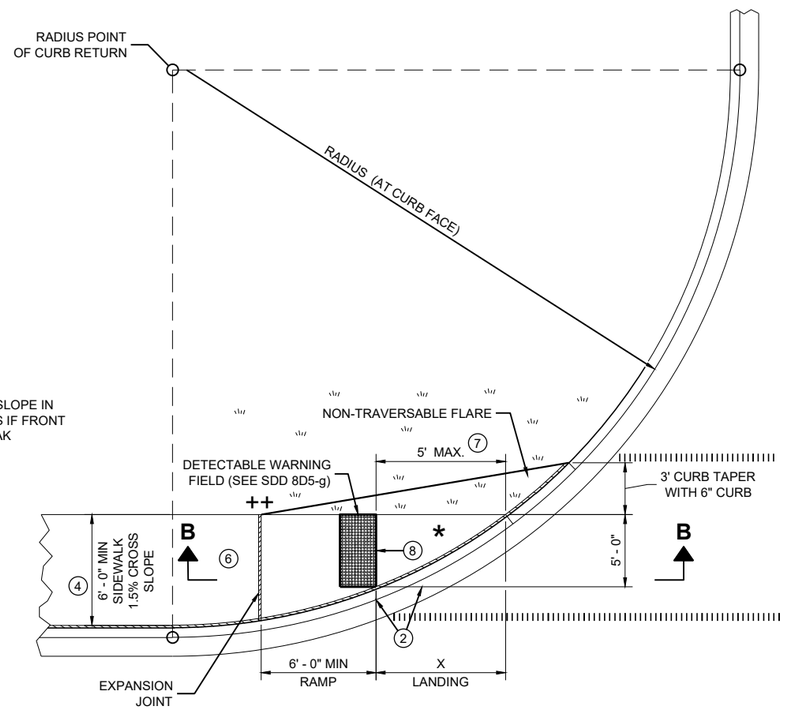
SECTION C - C FOR TYPE 4A



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

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

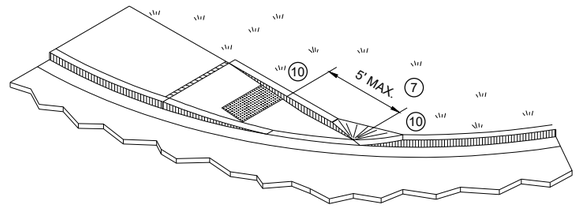
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK



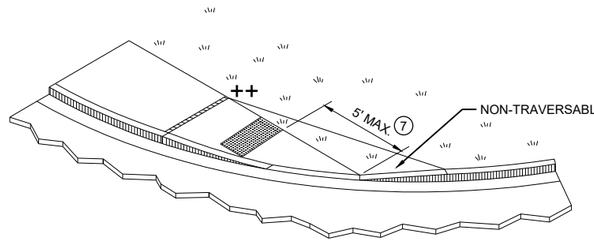
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

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

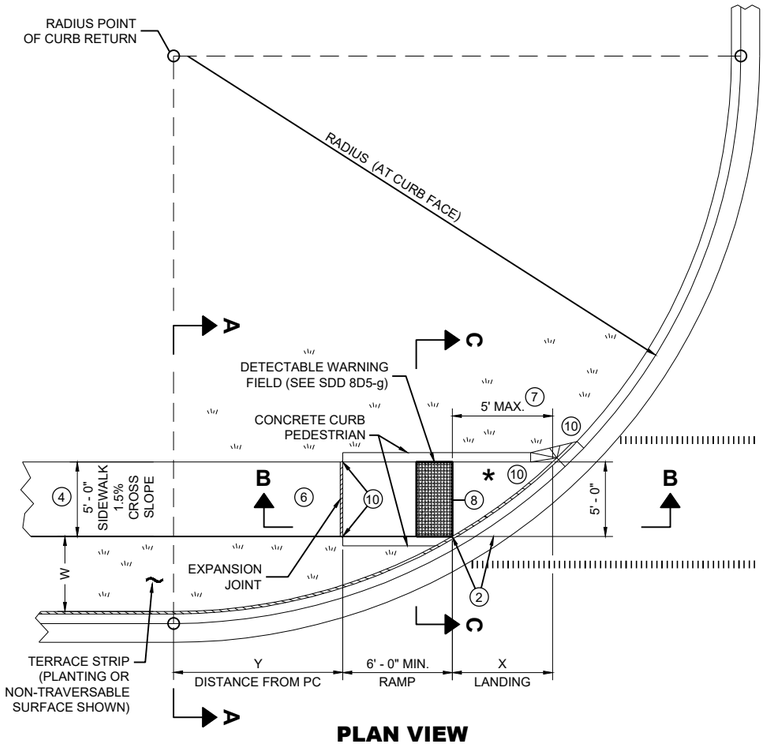
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 4A AND 4A1

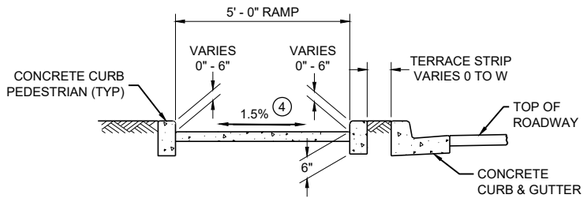
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

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.

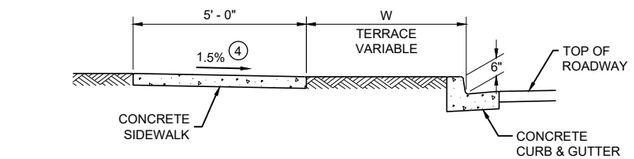
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

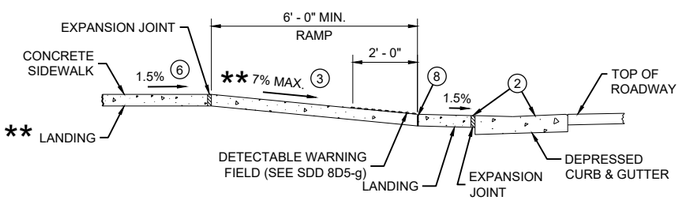
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

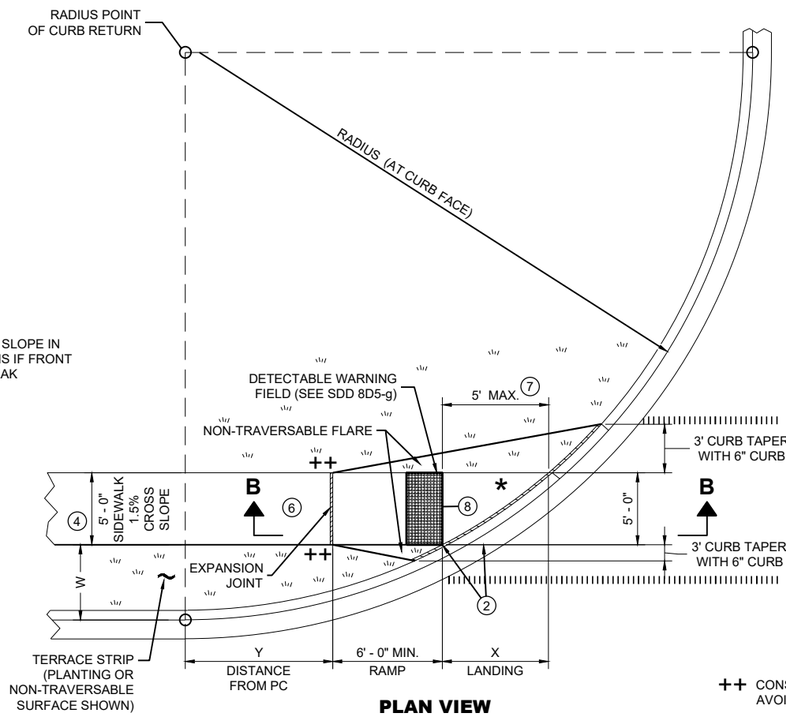


SECTION A - A FOR TYPE 4B



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

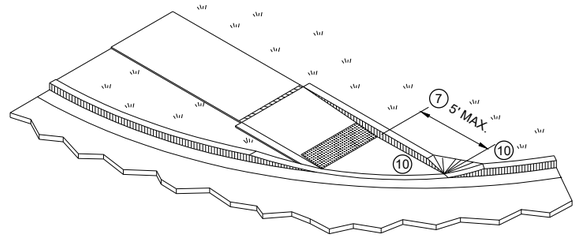
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



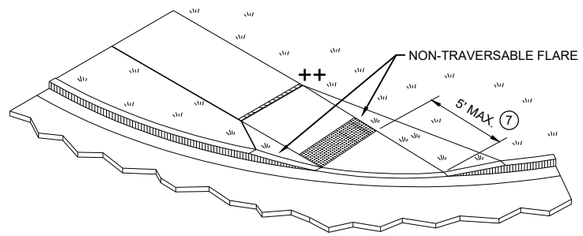
PLAN VIEW
CURB RAMP TYPE 4B1

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

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



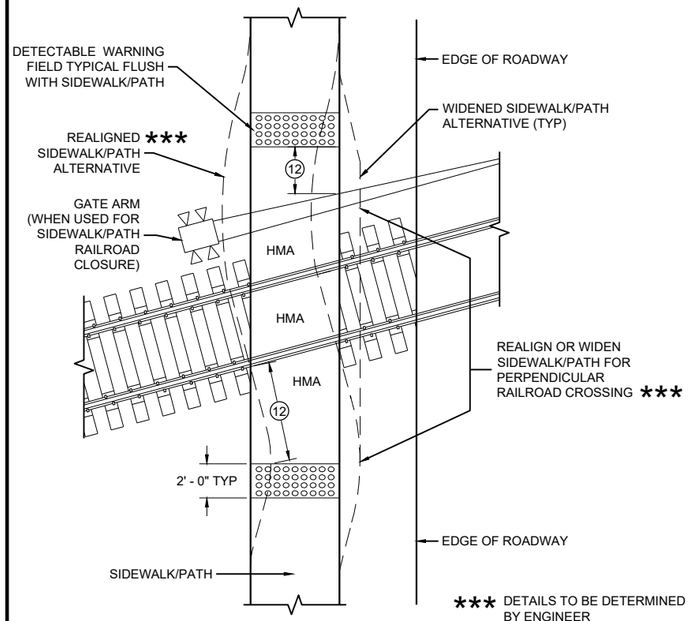
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

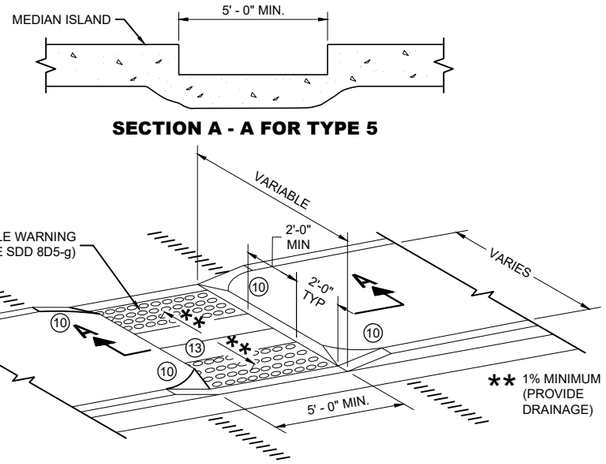
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



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 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.

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

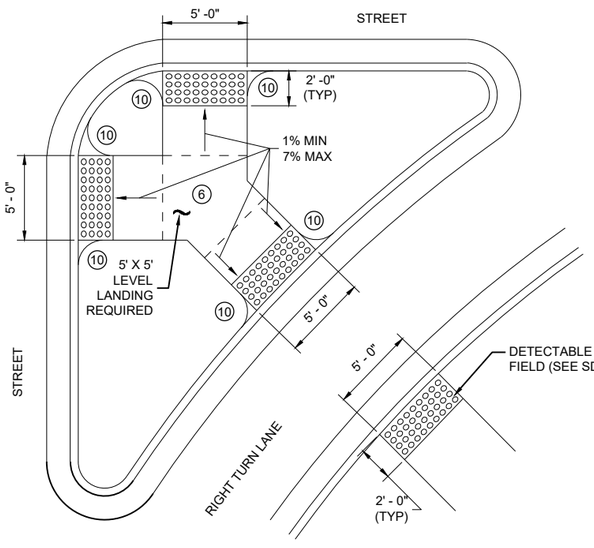
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL 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

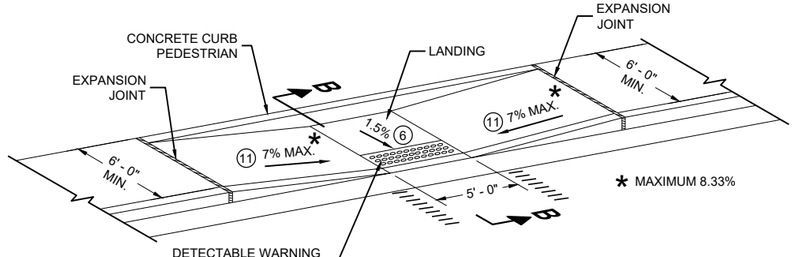
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

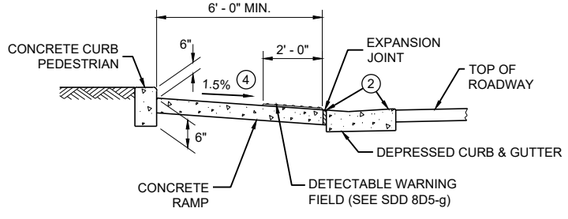
DETECTABLE WARNING AT ISLANDS

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

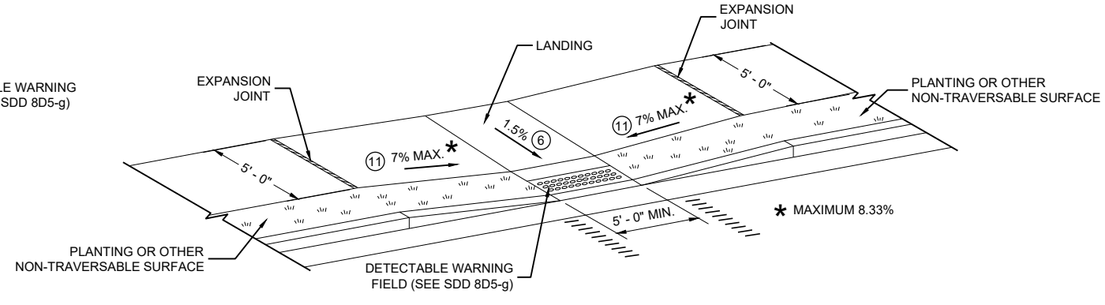


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

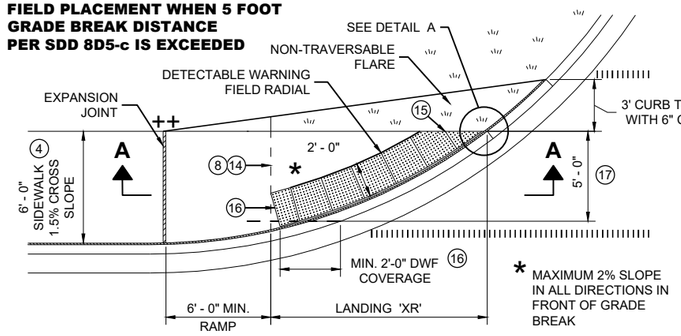
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05-21e

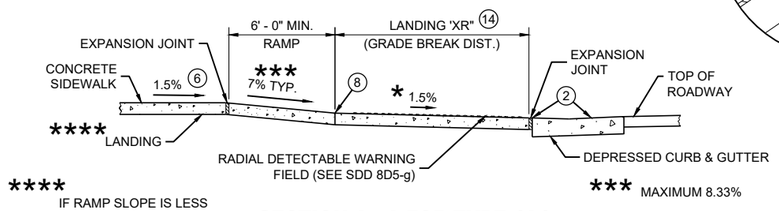
6

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



PLAN VIEW

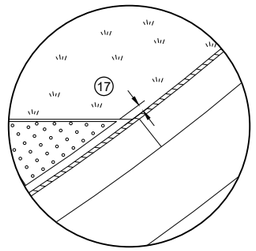
CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

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

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

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

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

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

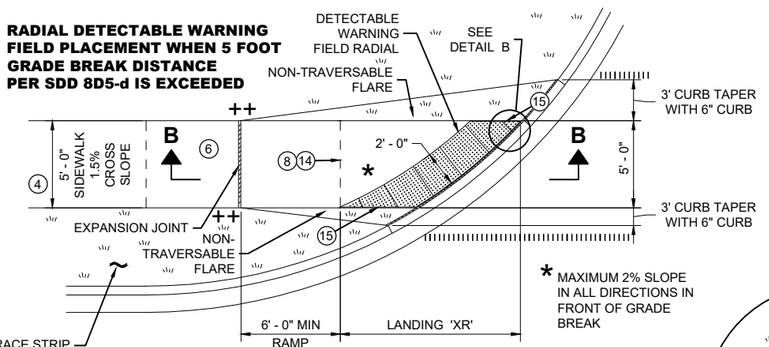
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

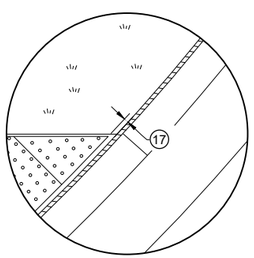
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

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

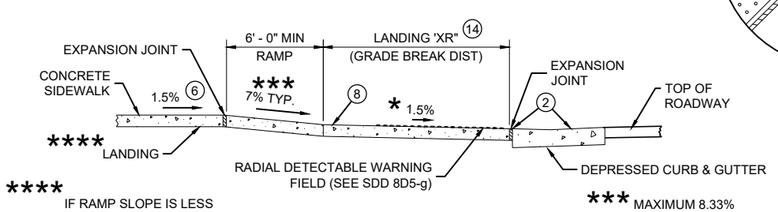


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

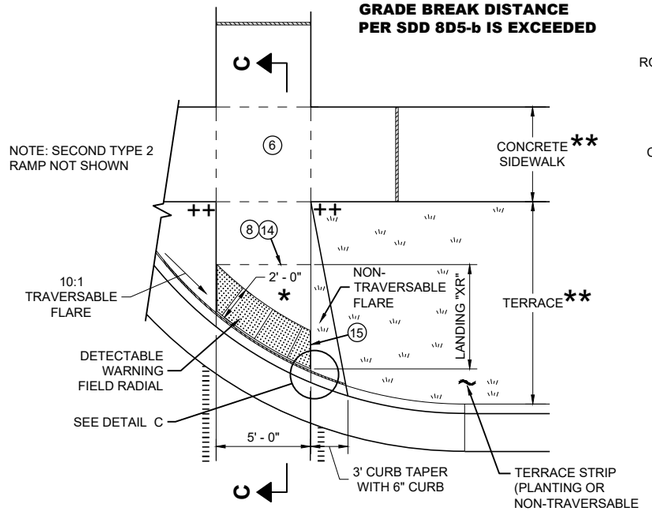


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

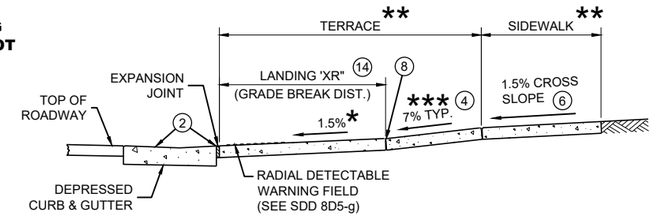
SECTION B - B FOR TYPE 4B1

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

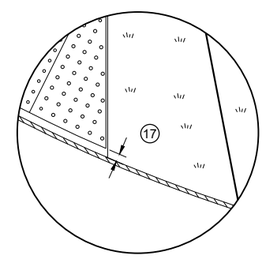


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

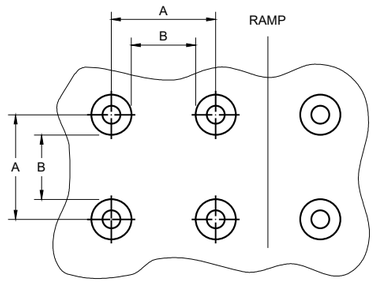
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

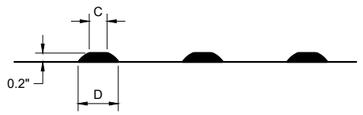
SDD 08D05-21f

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

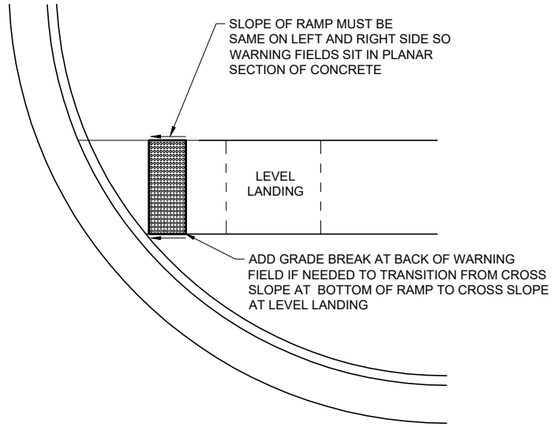
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

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.

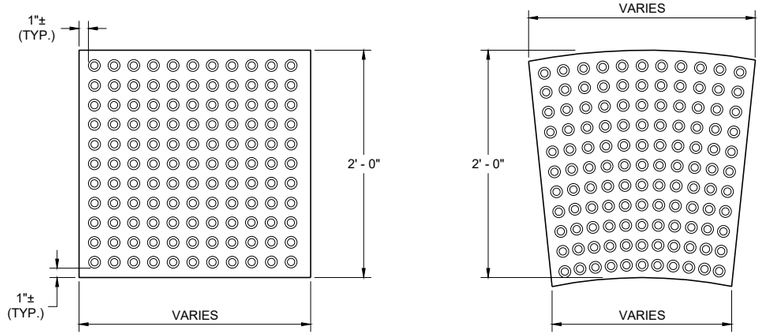
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. 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.

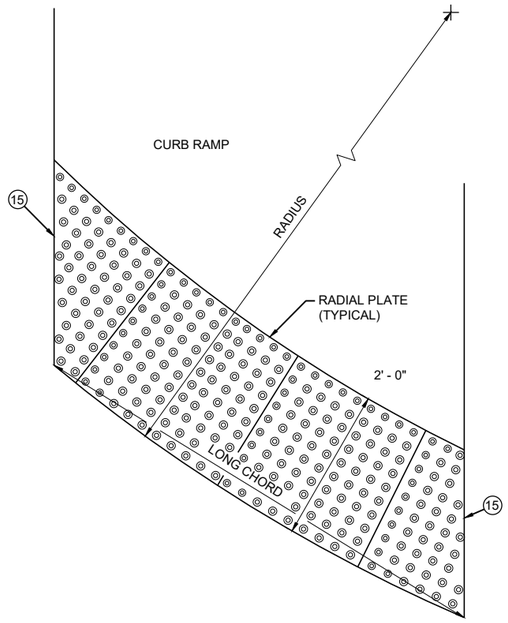
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



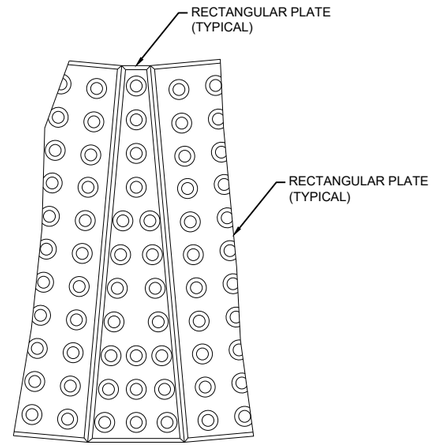
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



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
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERV

FHWA

PRE_161

6

SDD 08D05-21g

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SDD 08D05-21g

SDD 8F1 Apron Endwalls for Culvert Pipe

METAL APRON ENDWALLS

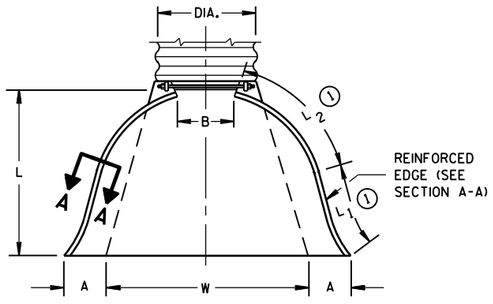
PIPE DIA. (IN.)	MIN. THICK. (inches)		DIMENSIONS (inches)							APPROX. SLOPE	BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L_1 ①	L_2 ①	W (±2")		
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 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

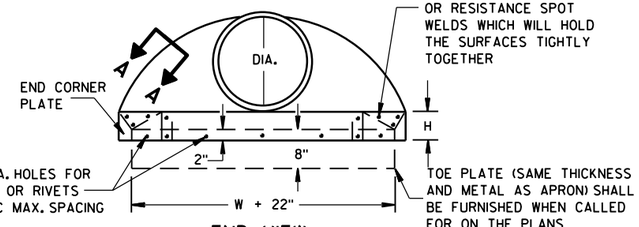
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (inches)							APPROX. SLOPE
	T	A	B	C	D	E	G	
12	2	4	24	48 7/8	72 7/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - 30 **	* 72 - 78 **	* 21 - 27 **	99	102	5 1/2	2 to 1
72	7	* 24 - 36 **	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - 36 **	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

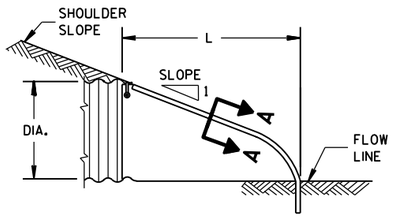
*MINIMUM
**MAXIMUM



PLAN VIEW

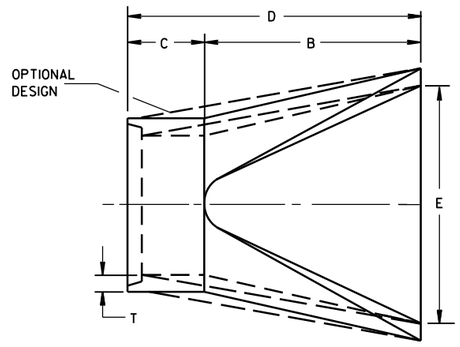


END VIEW

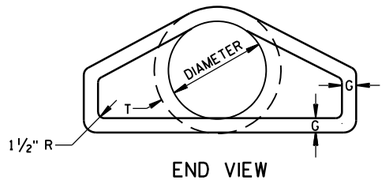


SIDE ELEVATION

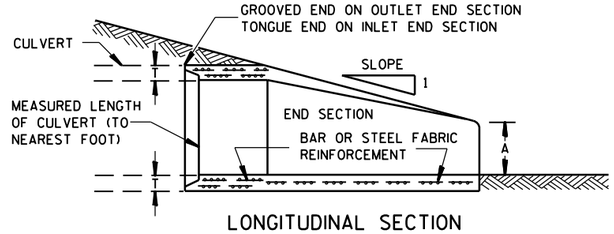
METAL ENDWALLS



PLAN

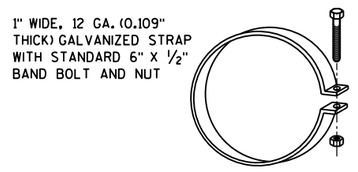


END VIEW



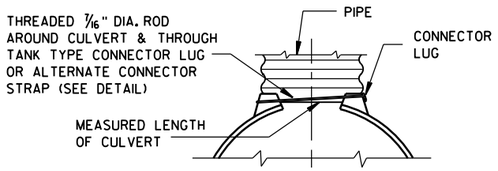
LONGITUDINAL SECTION

CONCRETE ENDWALLS

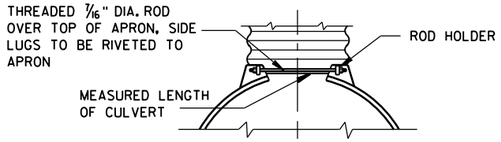


ALTERNATE FOR TYPE 1 CONNECTION

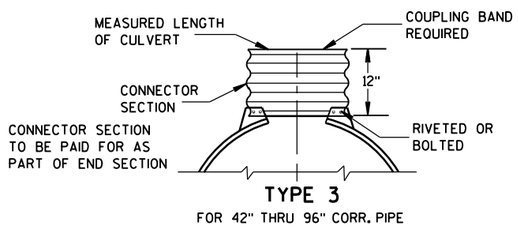
END SECTION CONNECTOR STRAP



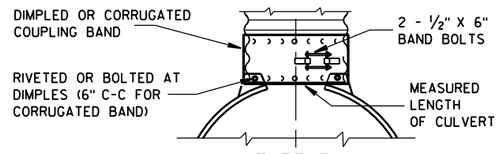
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

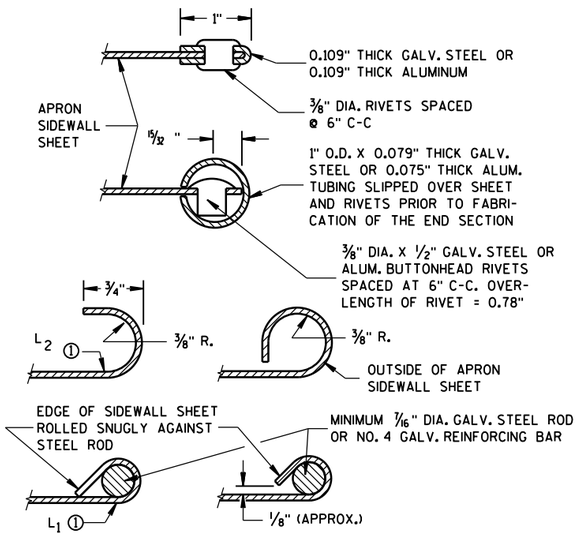
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

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

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

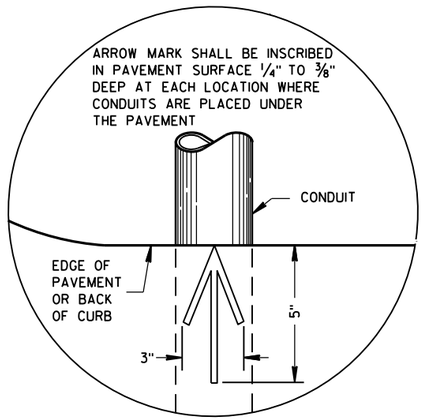
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8-30-94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEV
FHWA

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S.D.D. 8 F 1-11



PLAN VIEW

ARROW MARK

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.

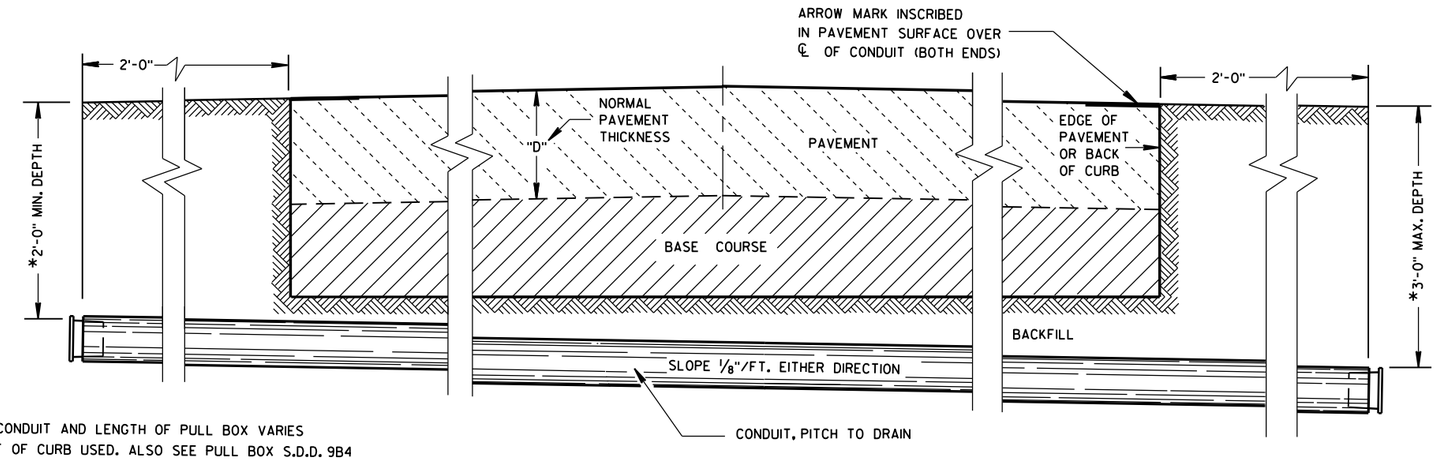
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

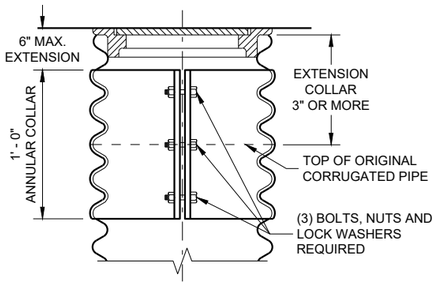
DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

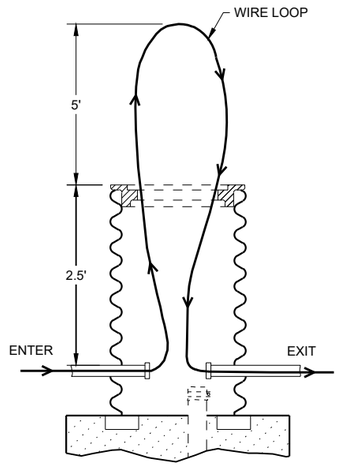
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
PR
FHWA

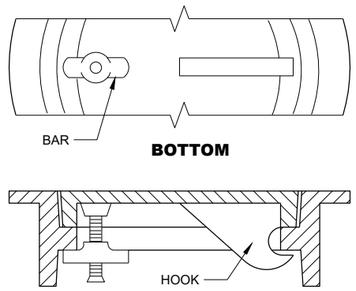
SDD 09B04 Pull Box



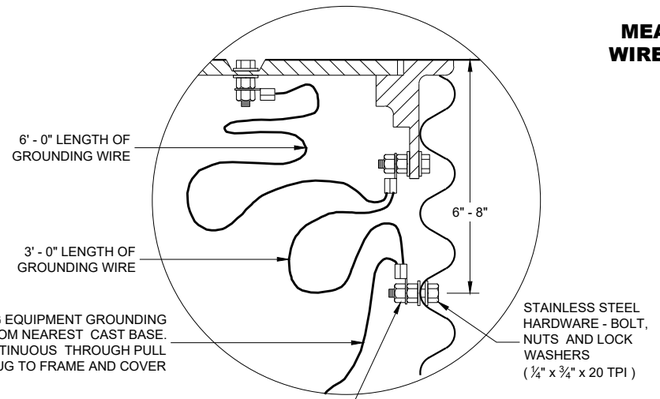
CORRUGATED PIPE EXTENDER



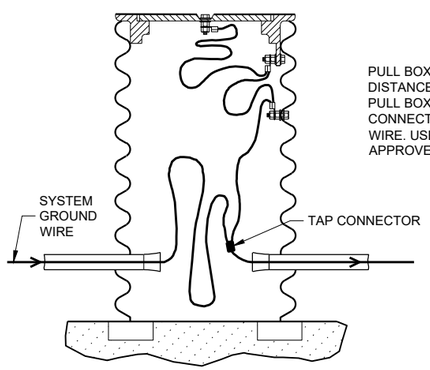
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



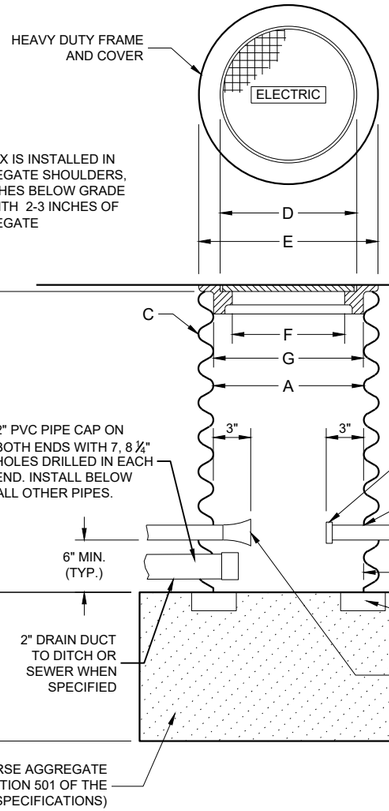
ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



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 PRE_164

FHWA

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SDD 09B04 -12

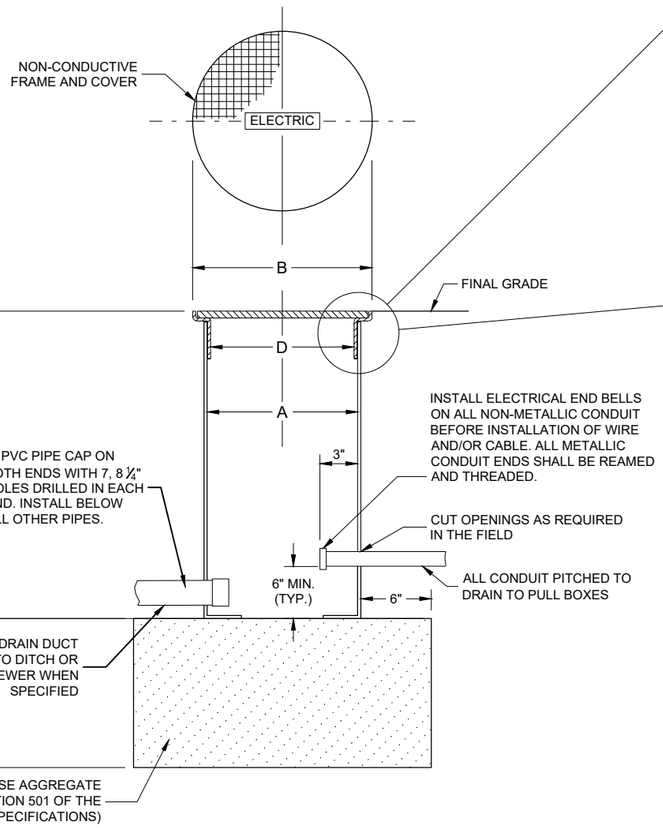
SDD 09B16 Pull Boxes, Non-Conductive

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

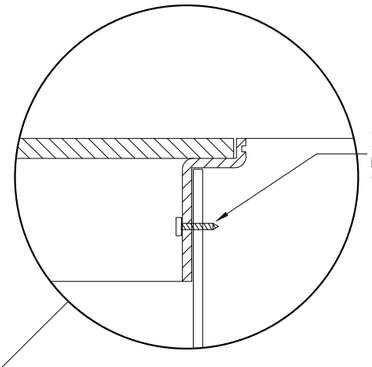
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

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

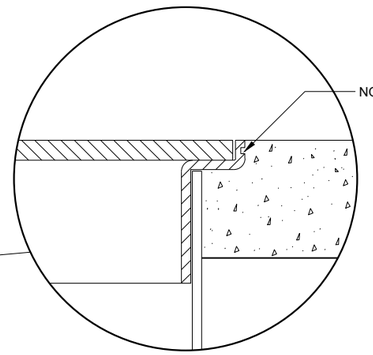
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



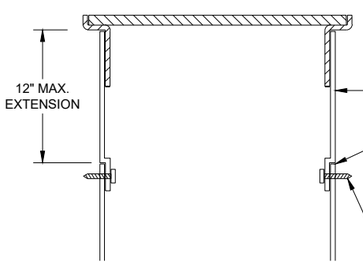
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

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

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

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

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

COVER SHALL BE MAGNETICALLY LOCATABLE.

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

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

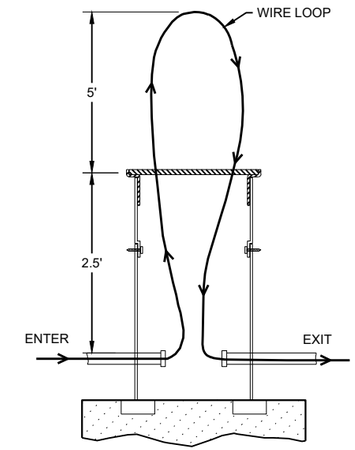
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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

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

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

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



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL PRE_165

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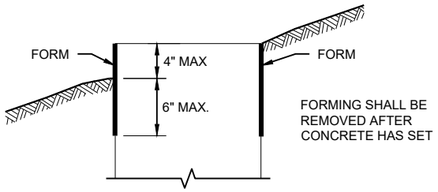
SDD 09B16 - 02

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SDD 09B16 - 02

SDD 9C2 Concrete Bases, Types 1, 2, 5 & 6

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.

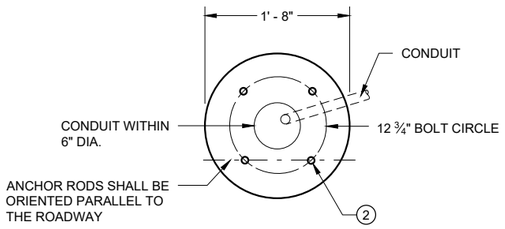
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

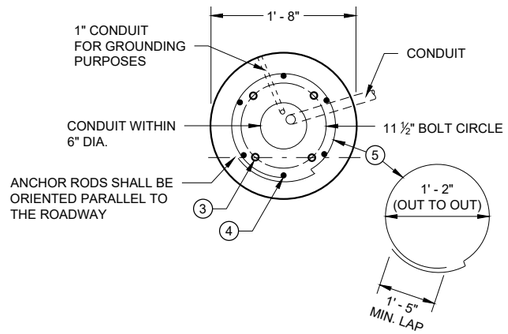
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

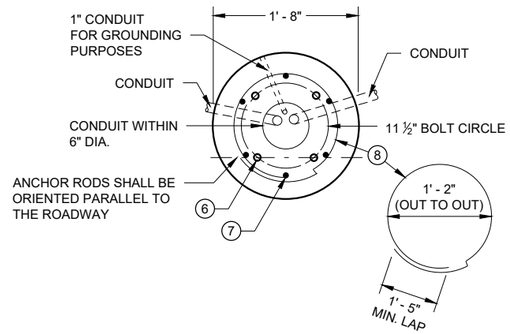
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

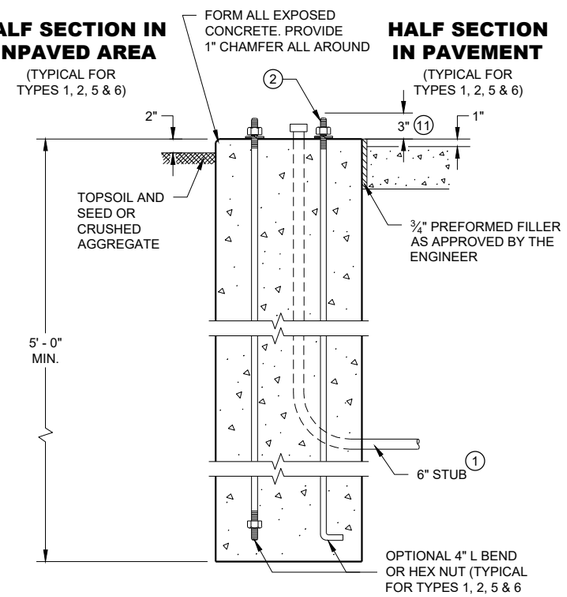
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

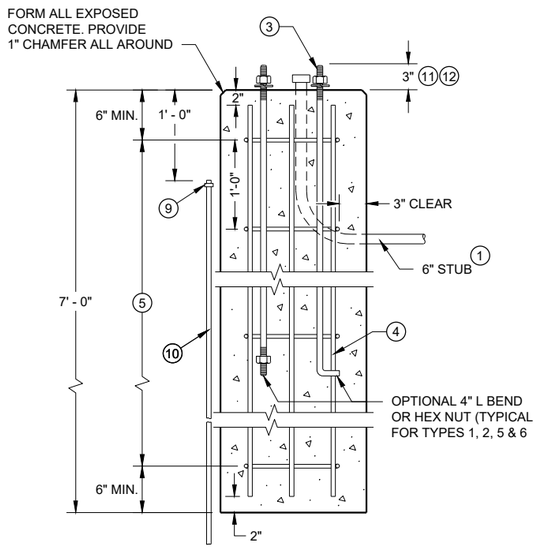
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

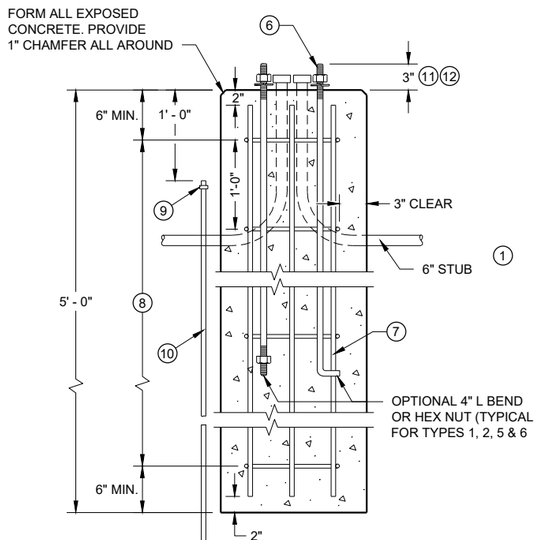
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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

FHWA

PRE_166

SDD 09C02 - 09

SDD 09C02 - 09
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SDD 9C3 Transformer/Pedestal Bases

GENERAL NOTES

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

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

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

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

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

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

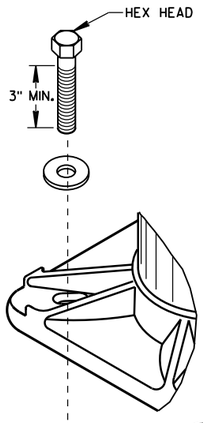
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

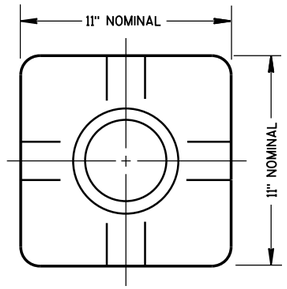
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

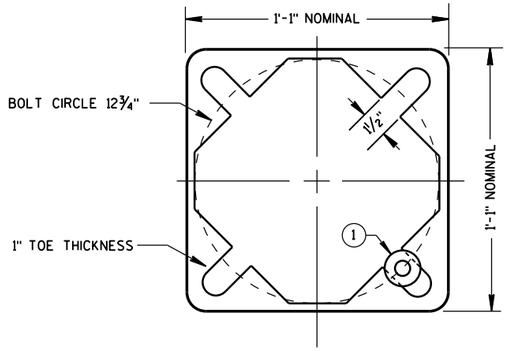
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

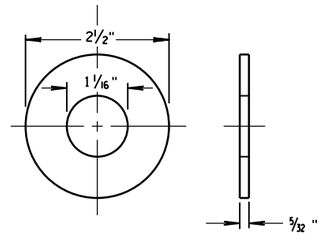




TOP VIEW
(PEDESTAL BASE)

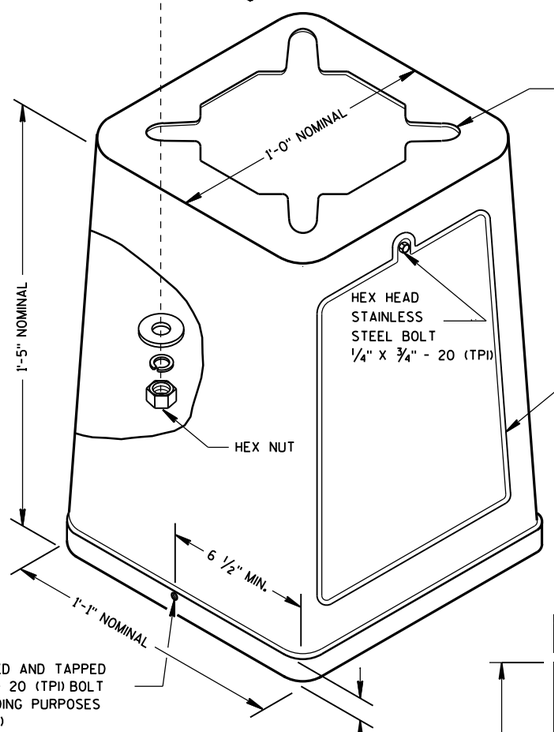


BOTTOM VIEW
(PEDESTAL BASE)

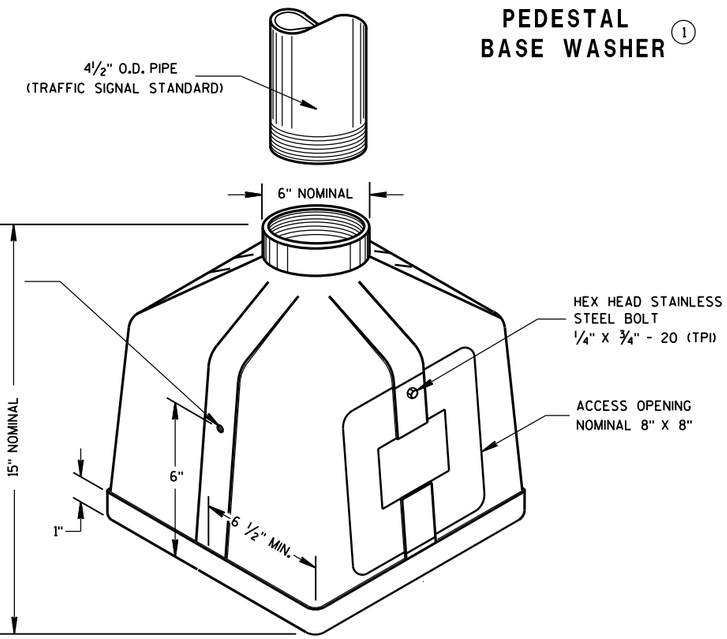


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

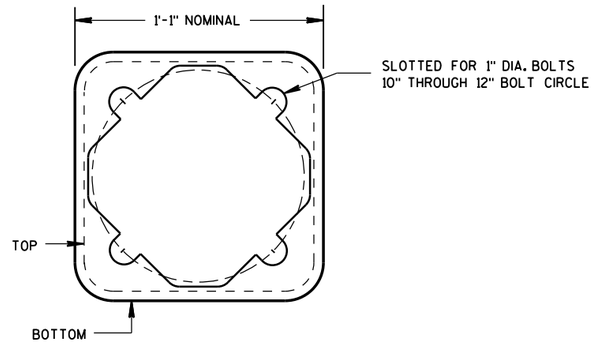


ISOMETRIC VIEW

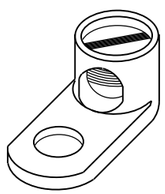


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

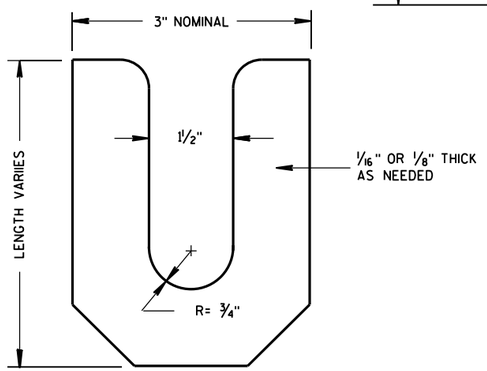


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTI
PR
FHWA

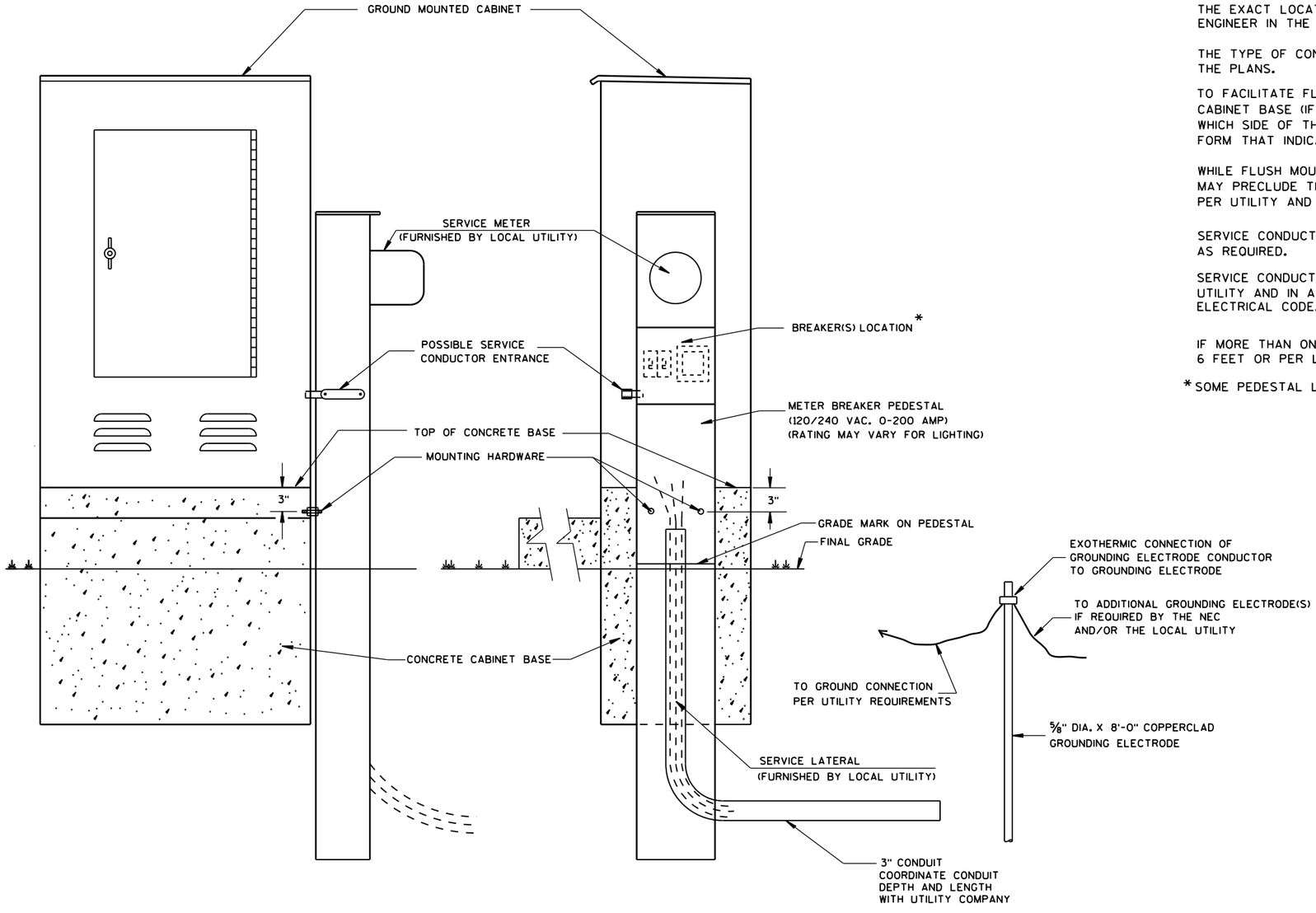
6

S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4

SDD 9D1 Cabinet Service Installation (Meter Breaker Pedestal)



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.

6

S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

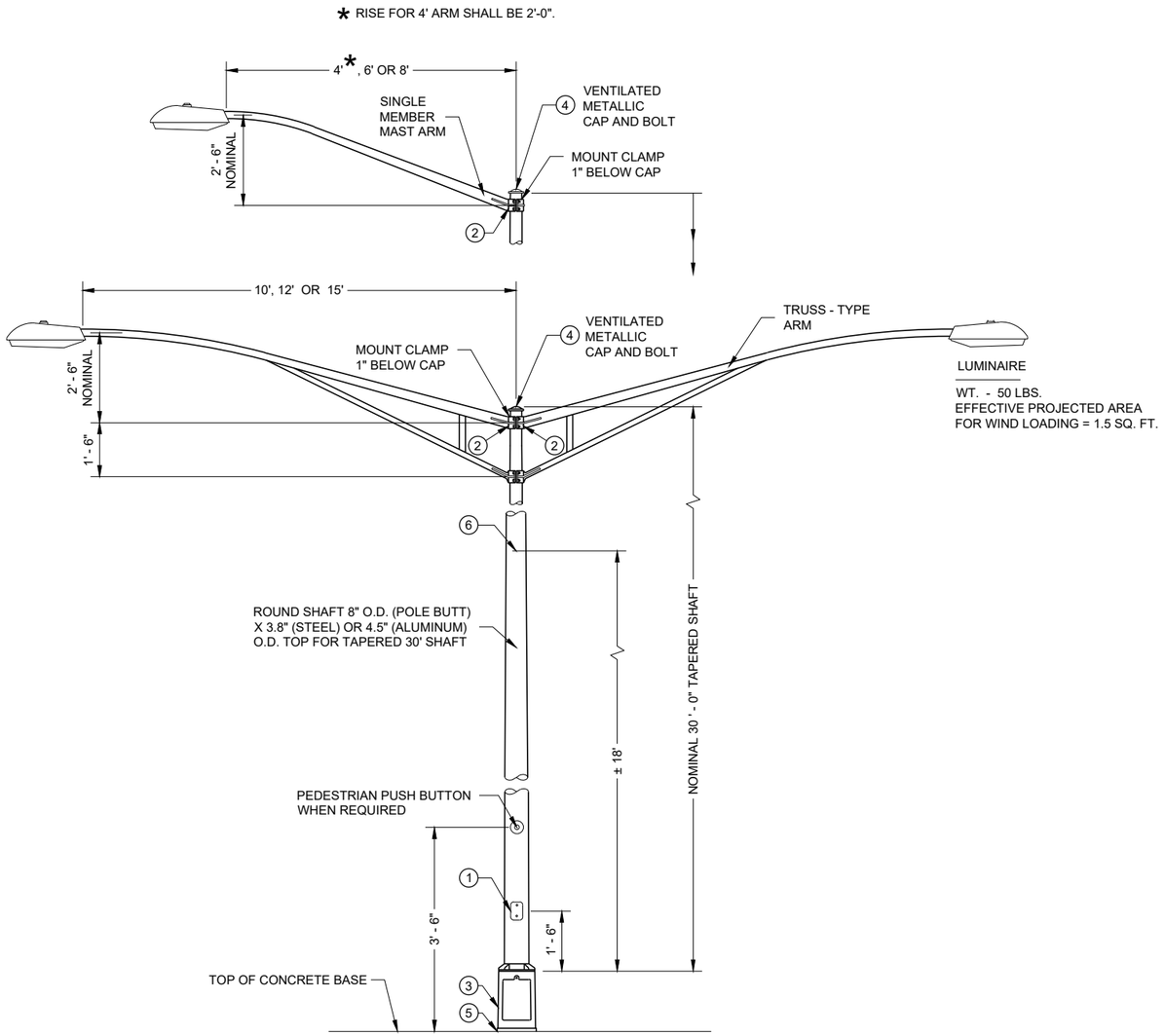
APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTI

PR

FHWA

SDD 09E01-d Pole Mountings for Lighting Units, Type 5



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

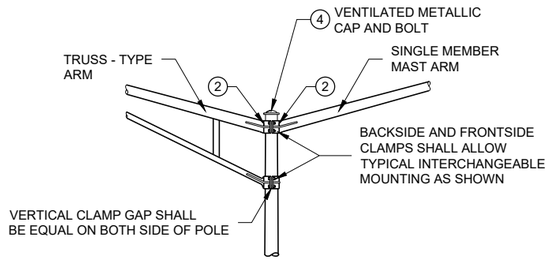
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_169

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SDD 09E01 - 15d

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SDD 09E01 - 15d

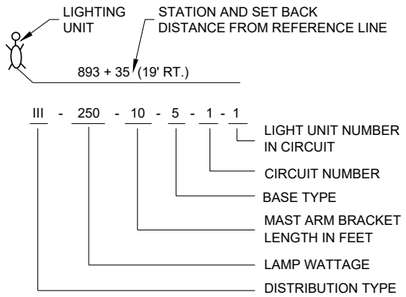
SDD 09E03 Non-Freeway Lighting Unit Pole Wiring

GENERAL NOTES

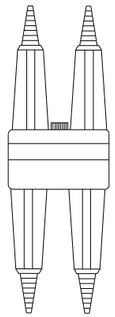
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

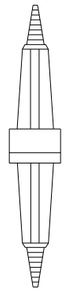
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



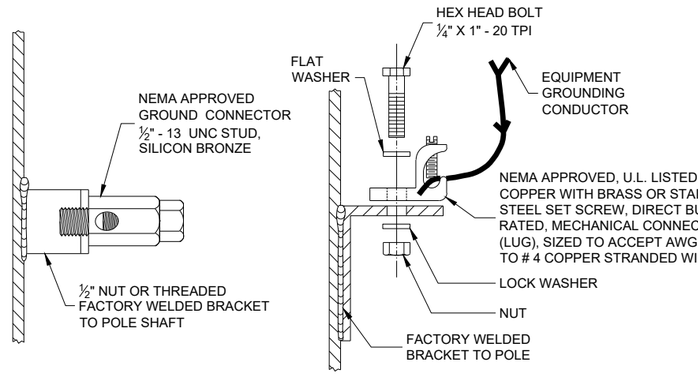
LIGHTING UNIT CODE
(TYPICAL)



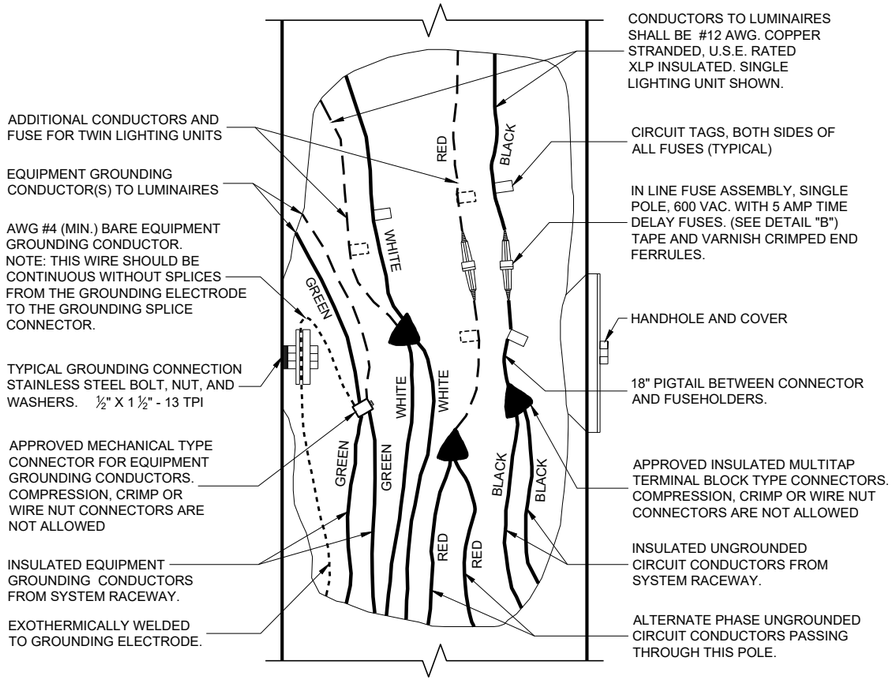
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



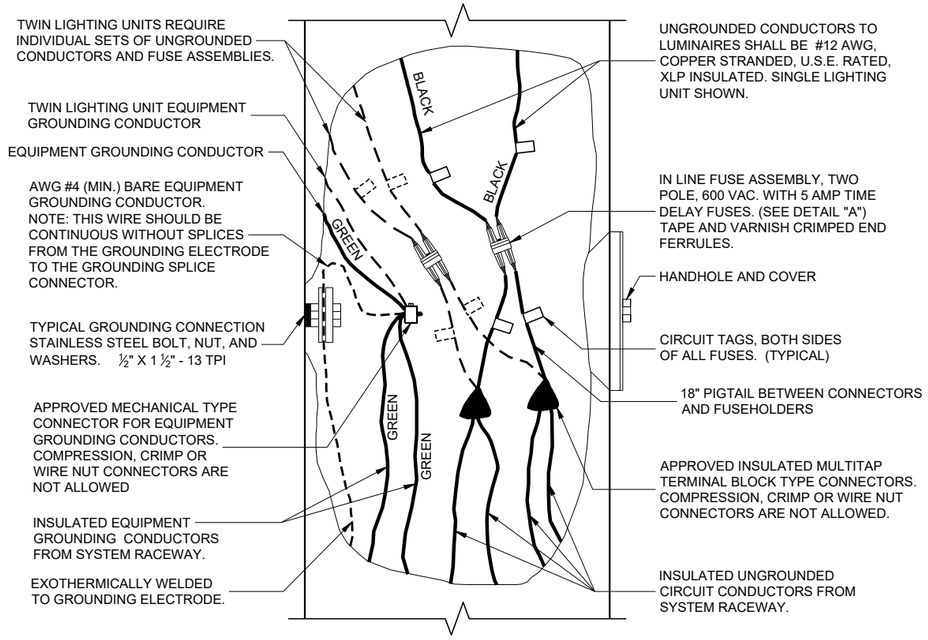
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL PRE_170

FHWA

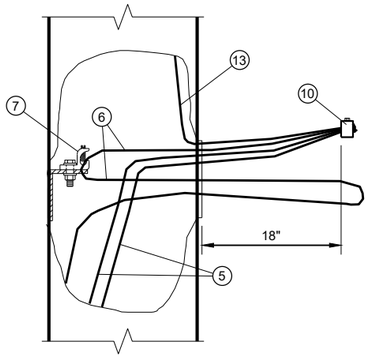
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SDD 09E03 - 06

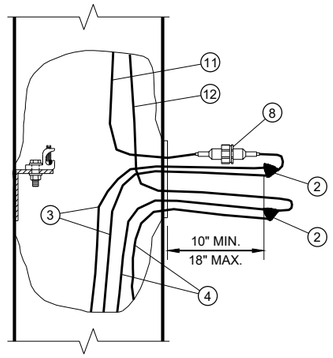
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SDD 09E03 - 06

SDD 10A01 Electrical Handhole Wiring

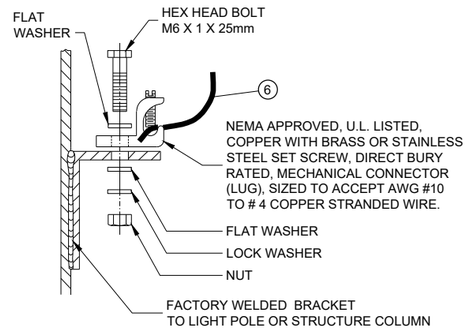


EQUIPMENT GROUNDING CONDUCTOR SLACK



UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

TYPICAL CONDUCTOR SLACK AT HANDHOLES



HANDHOLE GROUNDING LUG

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

GENERAL NOTES

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

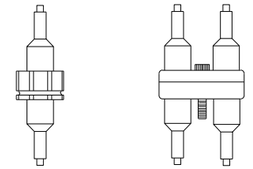
USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE, SIGN BRIDGE, ETC.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING FOR CLARITY.

CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.



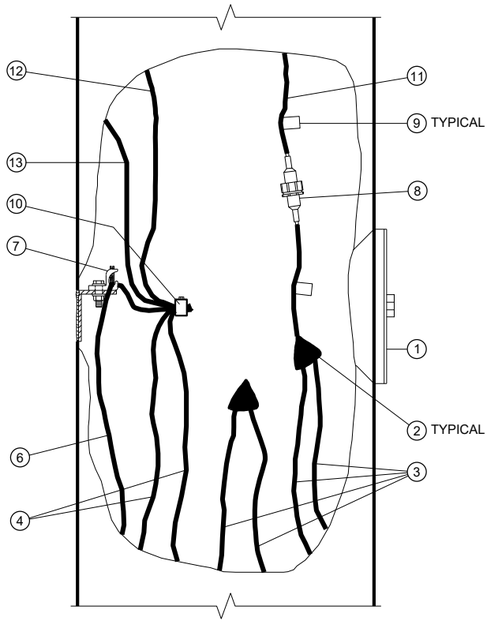
1 POLE (1P) 2 POLE (2P)

FUSE ASSEMBLIES

CONDUCTOR COLOR CODES

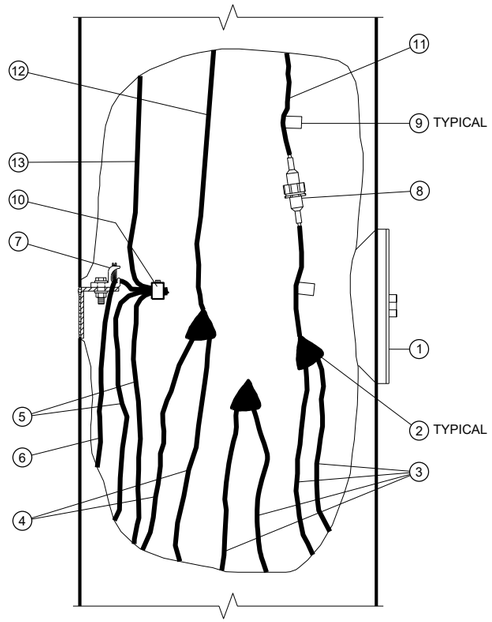
KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	*
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	*
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

* FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.



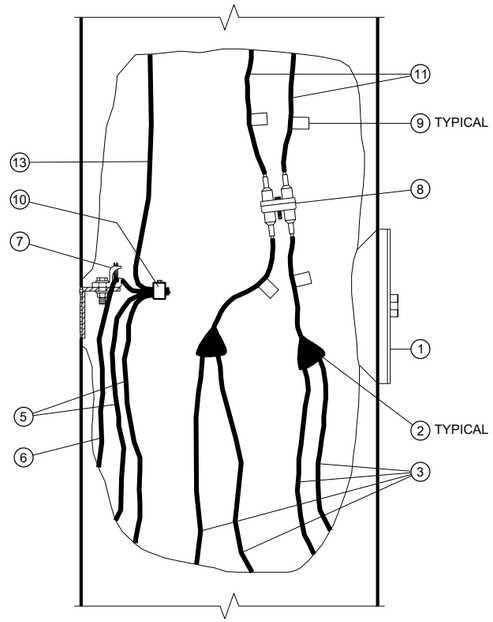
CUTAWAY HANDHOLE DETAIL

GROUNDED NEUTRAL SYSTEMS
1-ϕ



CUTAWAY HANDHOLE DETAIL

ISOLATED NEUTRAL SYSTEMS
1-ϕ SHOWN; 3-ϕ WYE SIMILAR
(SEE GENERAL NOTE)



CUTAWAY HANDHOLE DETAIL

PHASE TO PHASE SYSTEMS
1-ϕ SHOWN; 3-ϕ DELTA SIMILAR
(SEE GENERAL NOTE)

NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET.

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED LINE WIRE
4. GROUNDED LINE WIRE
5. SYSTEM GROUNDING LINE WIRE
6. GROUNDING ELECTRODE CONDUCTOR
7. HANDHOLE GROUNDING LUG
8. FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
9. CIRCUIT TAG (SEE GENERAL NOTE)
10. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
11. UNGROUNDED POLE WIRE
12. GROUNDED POLE WIRE
13. EQUIPMENT GROUNDING POLE WIRE

ELECTRICAL HANDHOLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

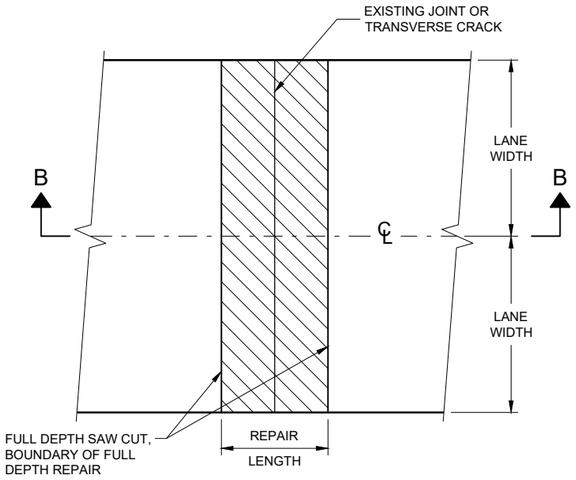
PRE_171

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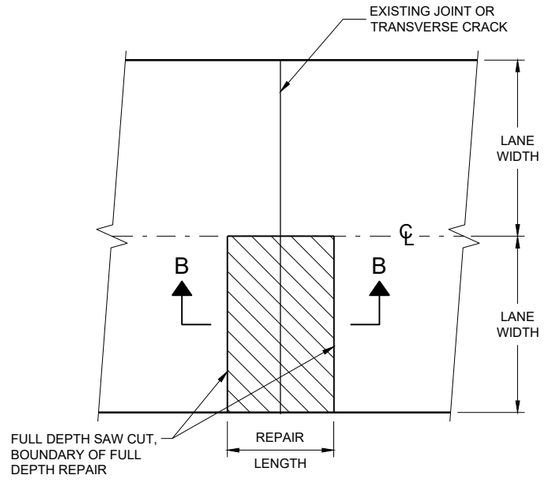
SDD 10A01 - 04

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SDD 10A01 - 04



PLAN VIEW
(DOUBLE LANE REPAIR)



PLAN VIEW
(SINGLE LANE REPAIR)

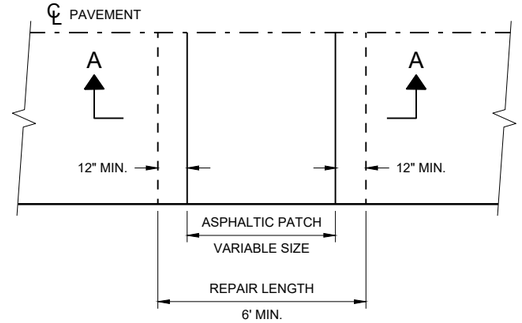
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

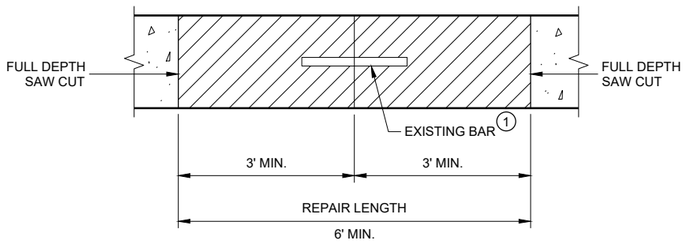
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

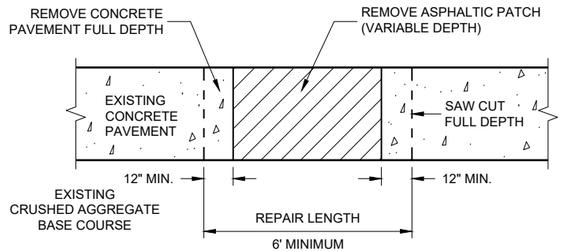


PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



SECTION A - A
HMA PATCH REMOVAL

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

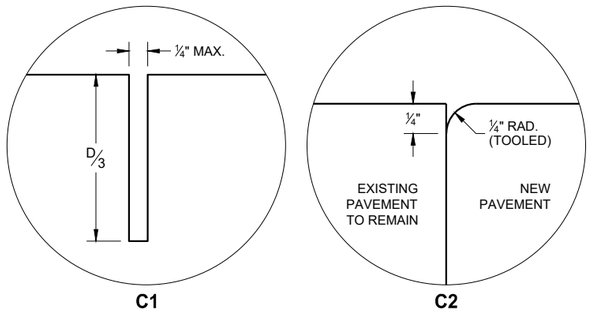
STATE OF WISCONSIN
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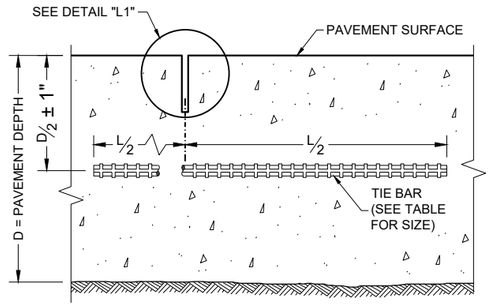
SDD 13C09 - 17a

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SDD13C09 - 17a

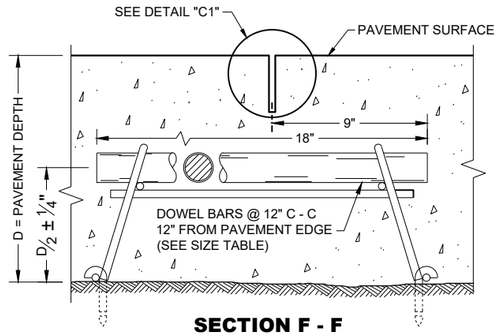


TRANSVERSE JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

DOWELED CONTRACTION JOINT

GENERAL NOTES

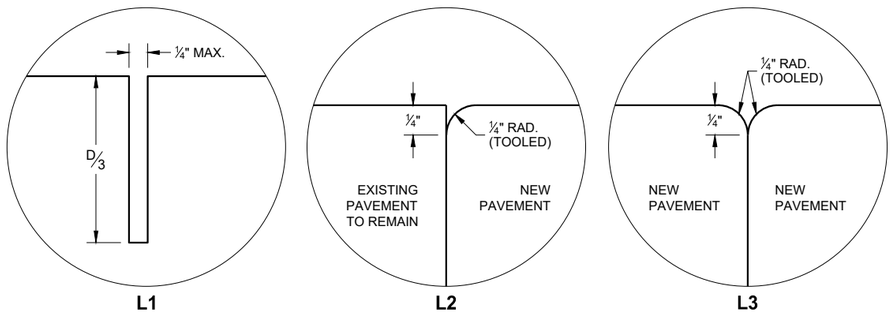
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

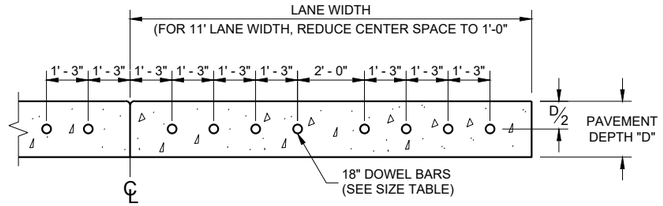
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

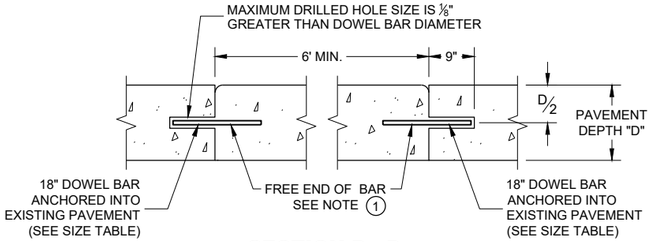


LONGITUDINAL JOINTS



SECTION E - E

DRILLED DOWEL BAR CONSTRUCTION JOINT



SECTION D - D

TIE BAR TABLE

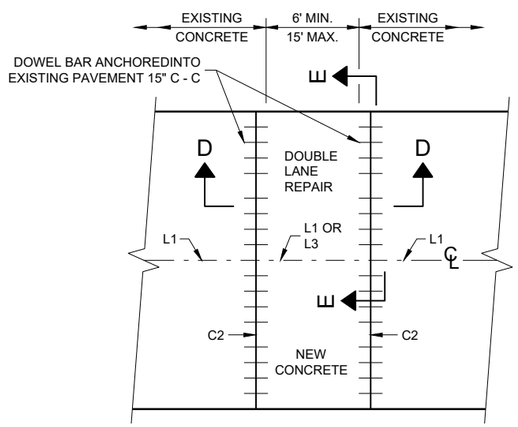
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* 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.

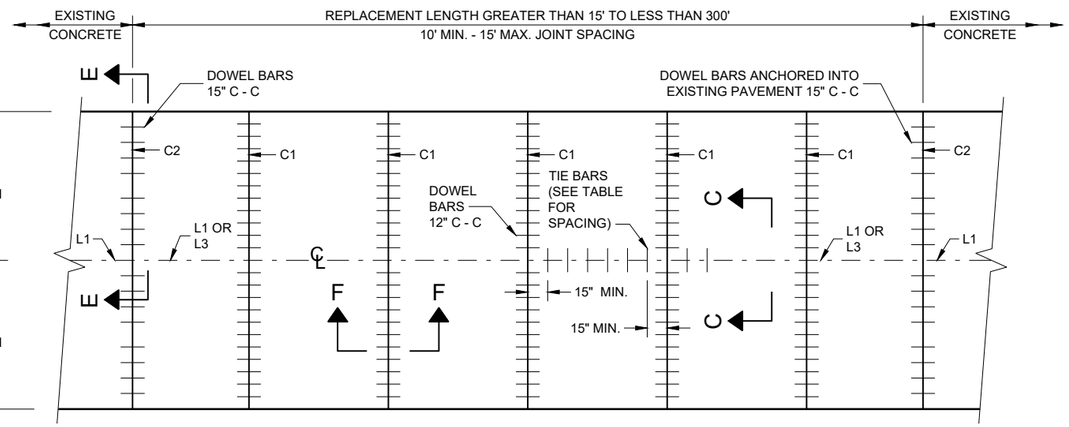
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	NONE	12'
7", 7 ½"	1"	1"	14'
8" & ABOVE	1 ¼"	1 ¼"	15'



PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPAIR



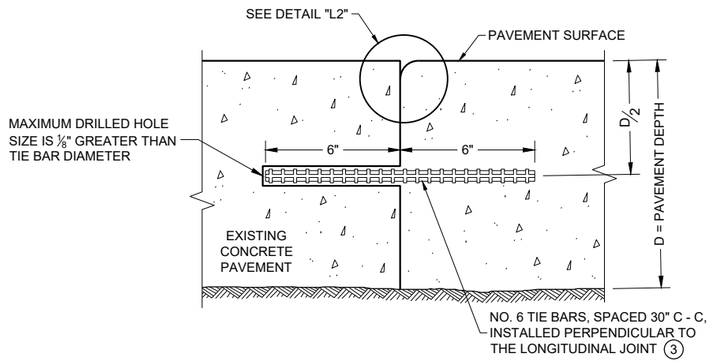
PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_173

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SDD 13C09 - 17b

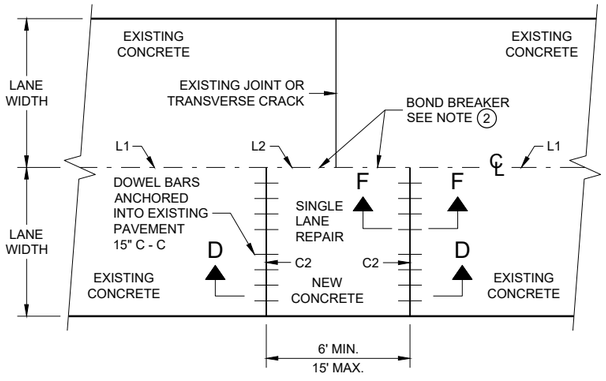


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

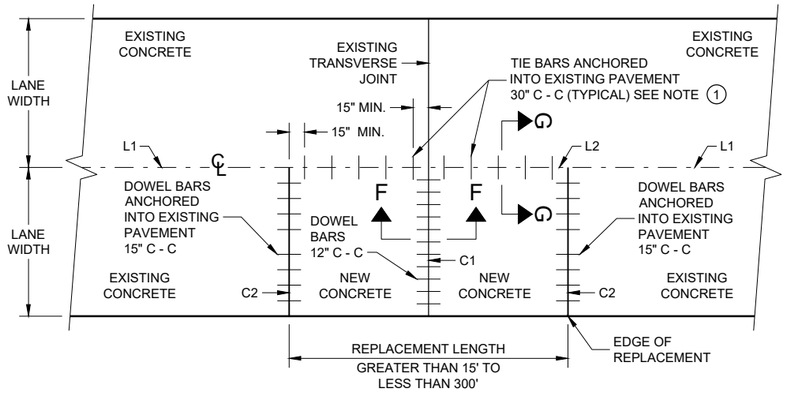
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

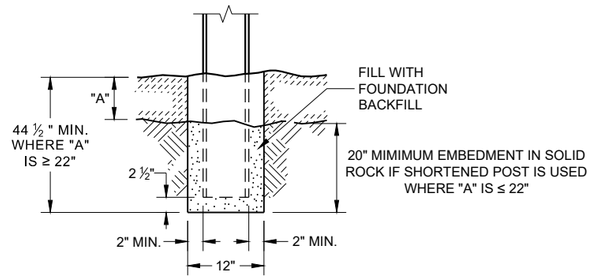
APPROVED
November 2022
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUP
PRE_174
FHWA

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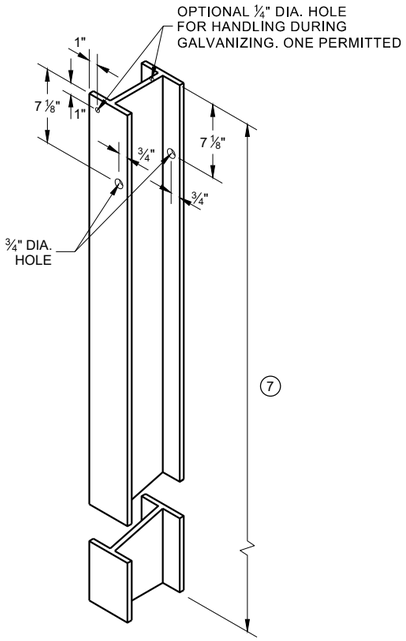
SDD 13C09 - 17c

SDD 14B42-a Midwest Guardrail System (MGS) Guardrail

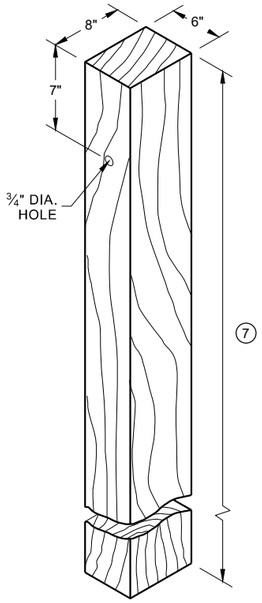
1. WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
2. USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS 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".



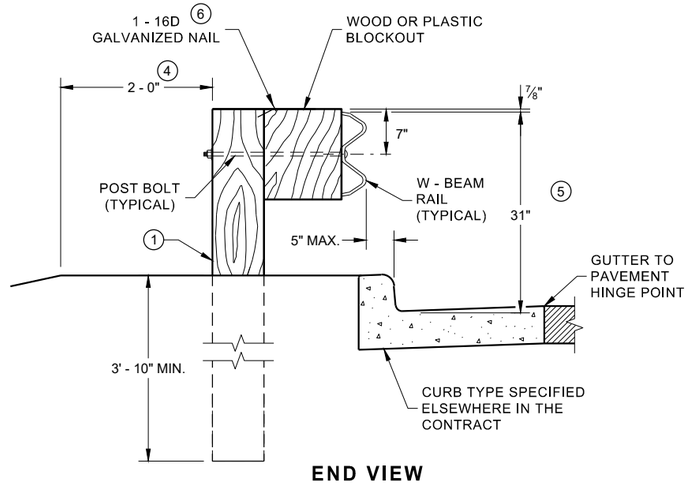
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



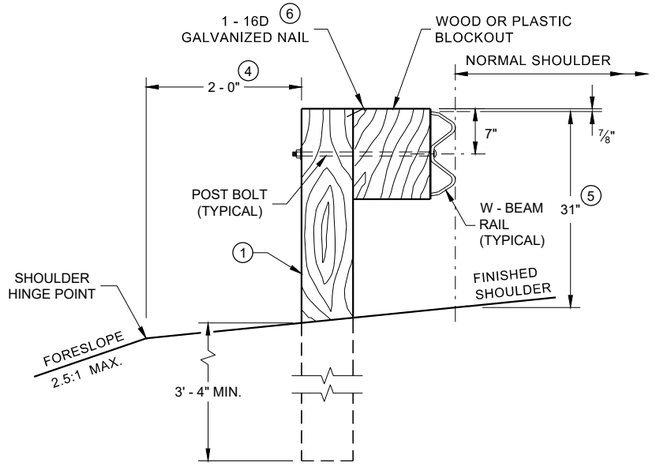
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



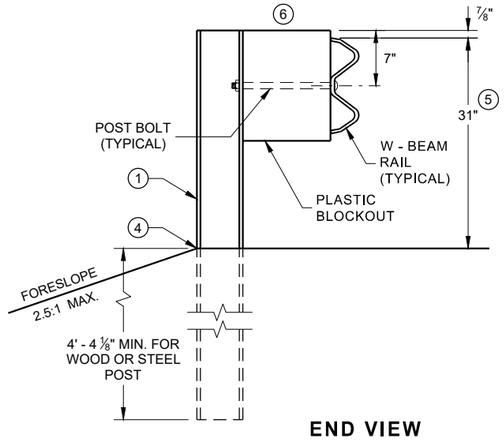
WOOD POST (6" X 8") NOMINAL (1)



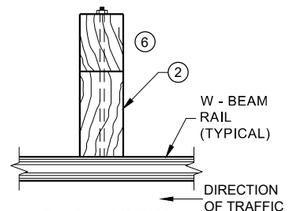
END VIEW
LOCATED ALONG A CURBED ROADWAY



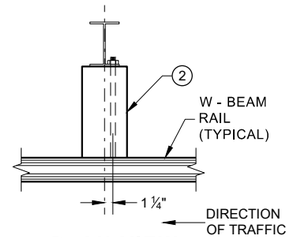
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



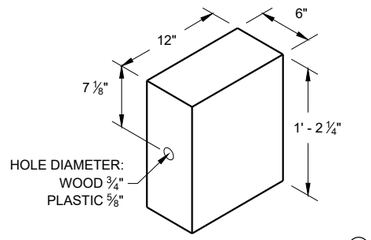
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



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 TRANSPO PRE_175

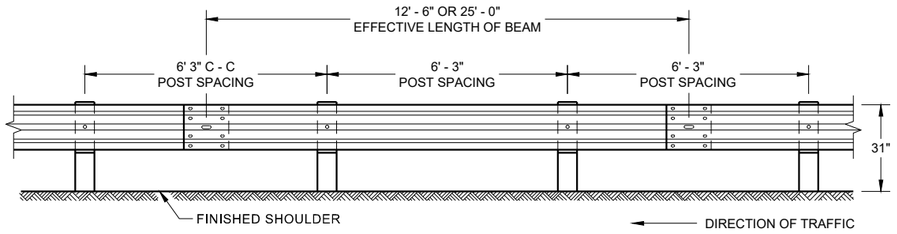
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SDD 14B42 - 07a

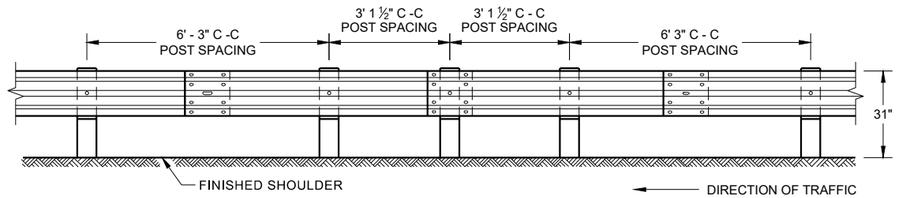
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SDD 14B42 - 07a

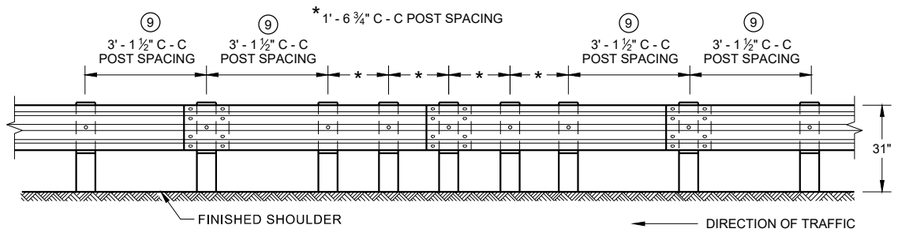
SDD 14B42-b Midwest Guardrail System (MGS) Guardrail



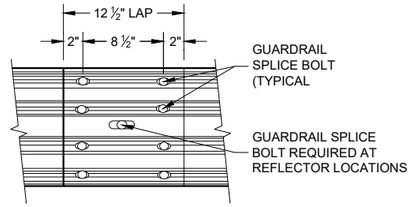
FRONT VIEW
POST SPACING STANDARD INSTALLATION



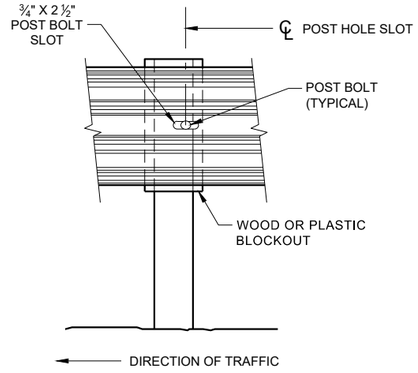
FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



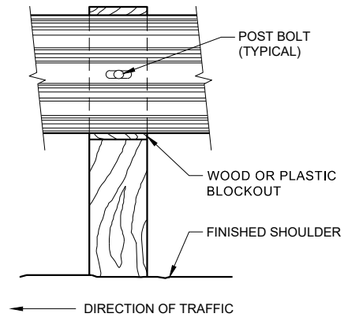
FRONT VIEW
QUARTER POST SPACING (QS)



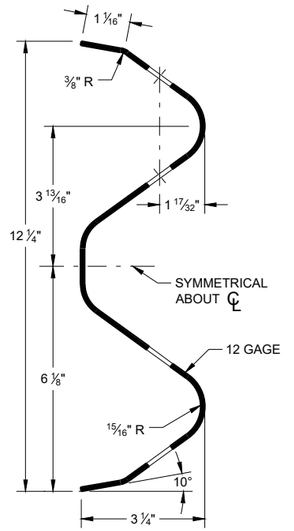
FRONT VIEW
MID-SPAN BEAM SPLICE



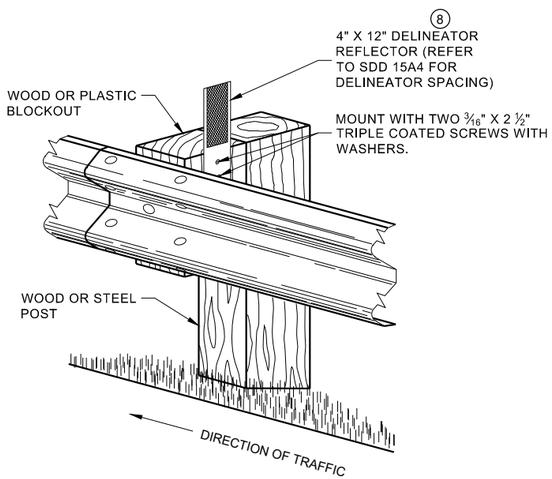
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

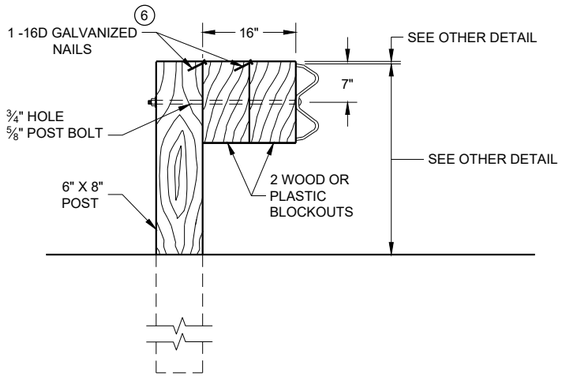
POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

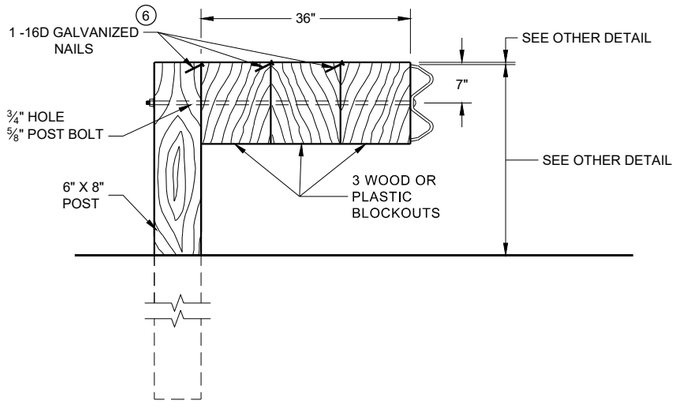
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_176

SDD 14B42-c Midwest Guardrail System (MGS) Guardrail



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



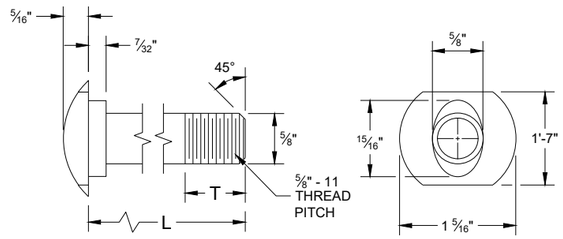
DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

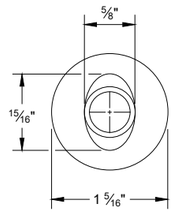
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

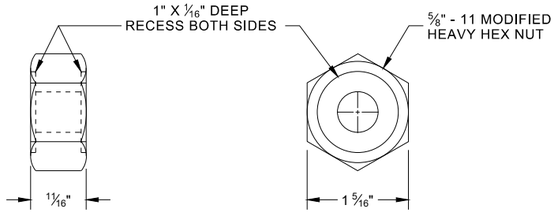


POST BOLT TABLE

L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"

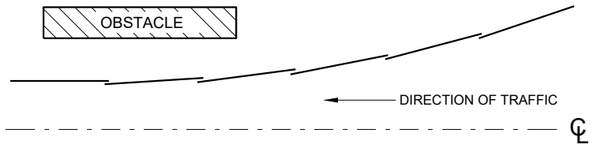


ALTERNATE BOLT HEAD

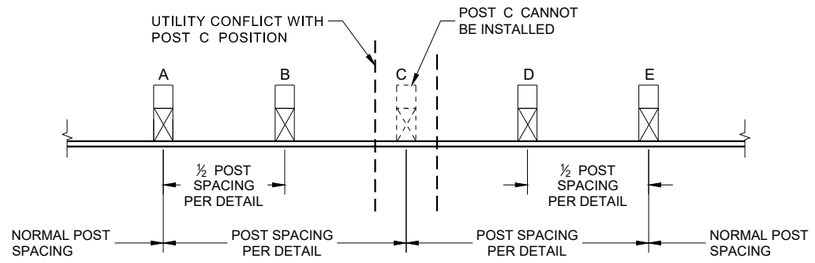


POST BOLT, SPLICE BOLT AND RECESS NUT

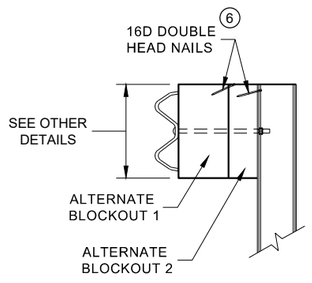
6 WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



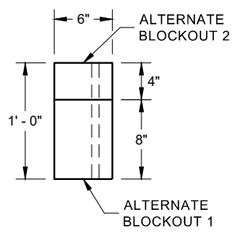
PLAN VIEW
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

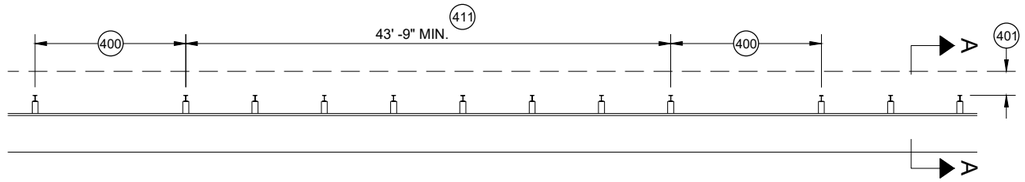
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_177

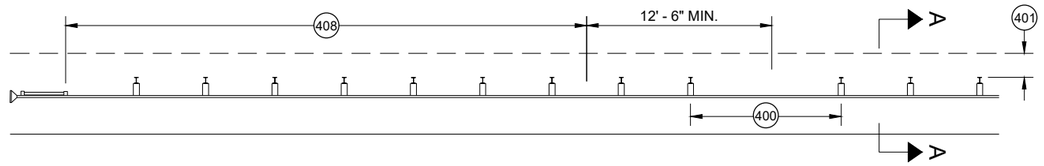
SDD 14B42 - 07c

SDD 14B42 - 07c

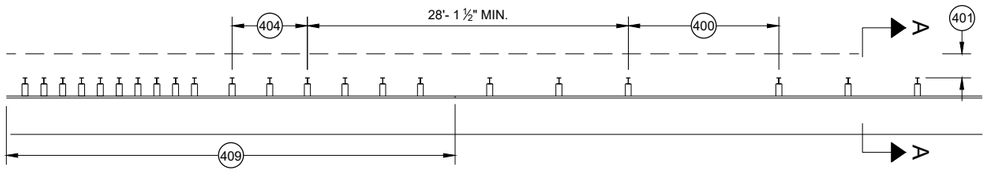
SDD 14B42-d Midwest Guardrail System (MGS) Guardrail



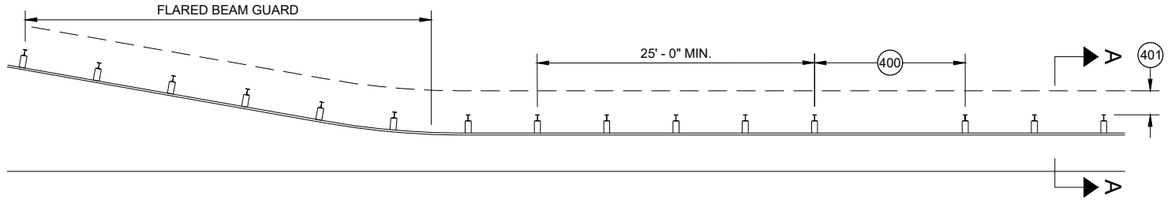
MISSING POST IN MGS GUARDRAIL



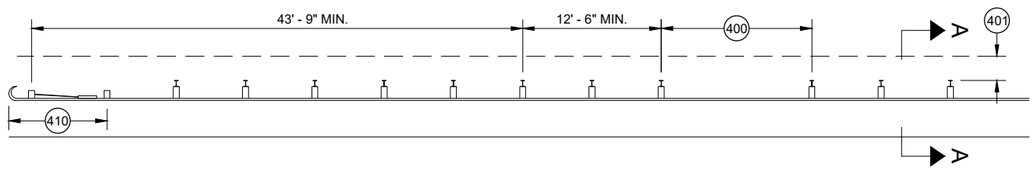
MISSING POST IN MGS GUARDRAIL NEAR EAT



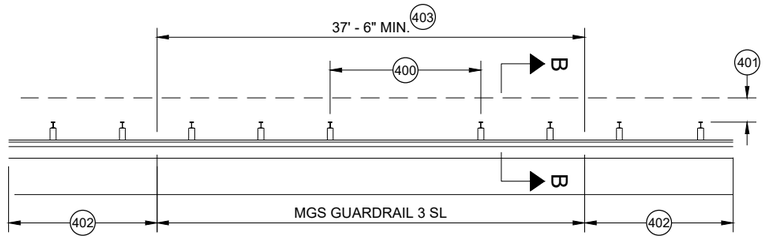
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

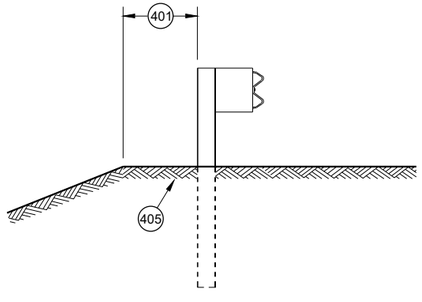


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

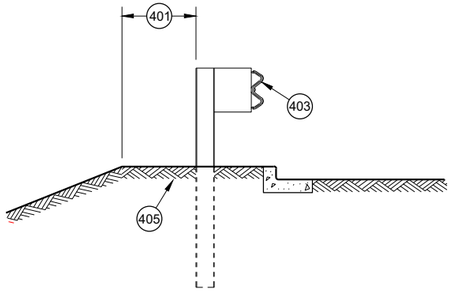


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

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 Tavlor
ROADWAY STANDARDS
UNIT SUPER

FHWA

PRE_178

6

6

SDD 14B42 - 07d

SDD 14B42 - 07d

SDD 14B44-a Midwest Guardrail System (MGS) Energy Absorbing Terminal

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.

(F) DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

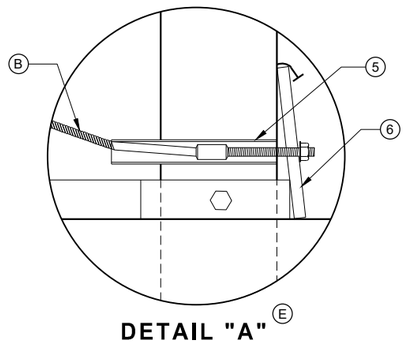
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

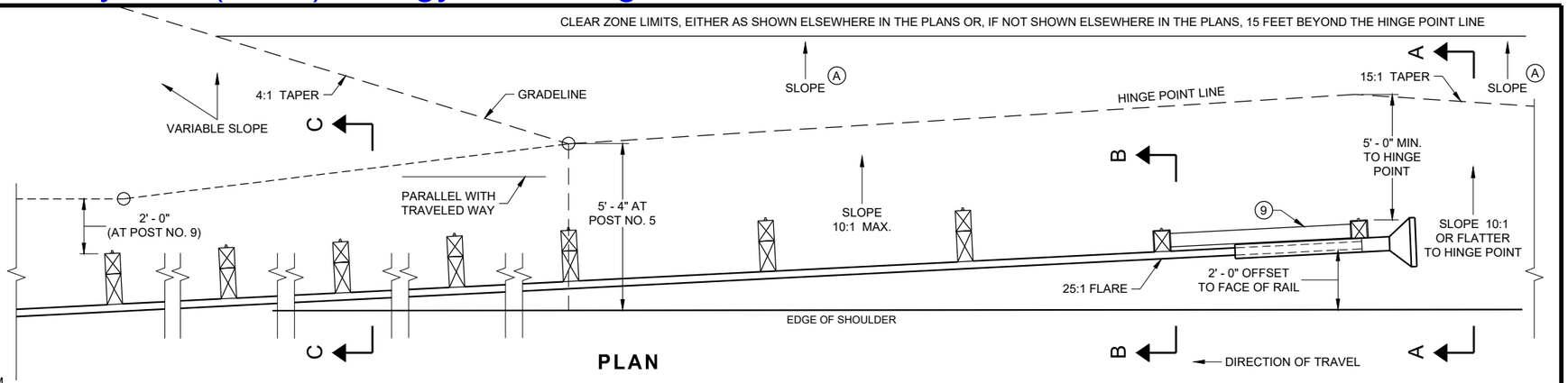
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

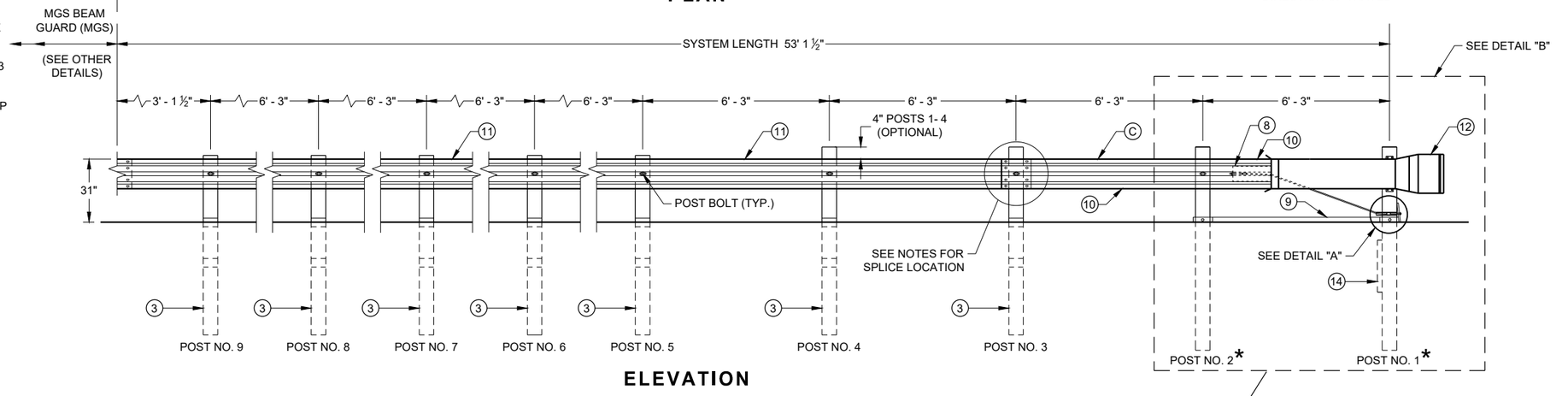
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



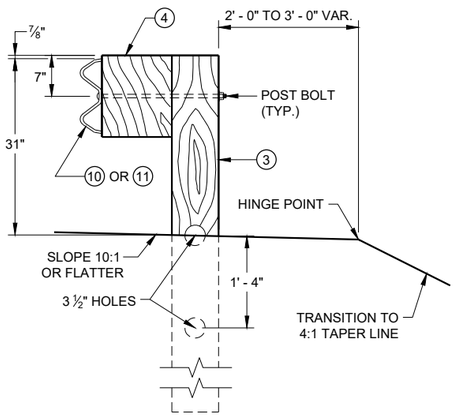
DETAIL "A" (E)



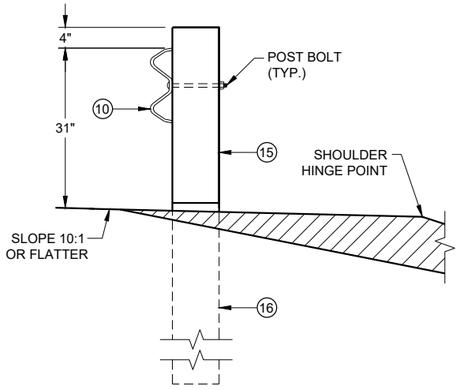
PLAN



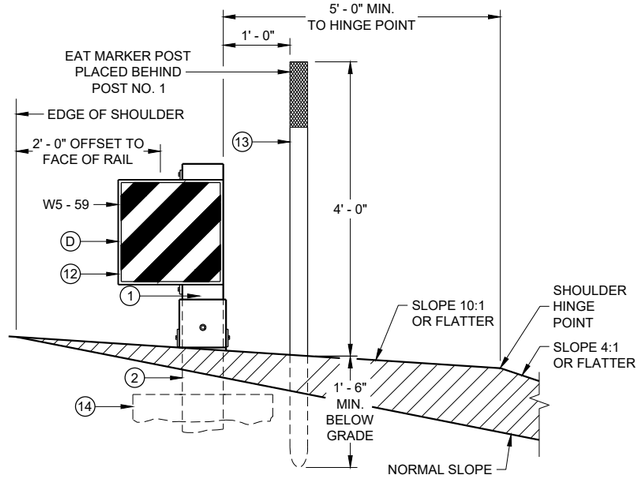
ELEVATION



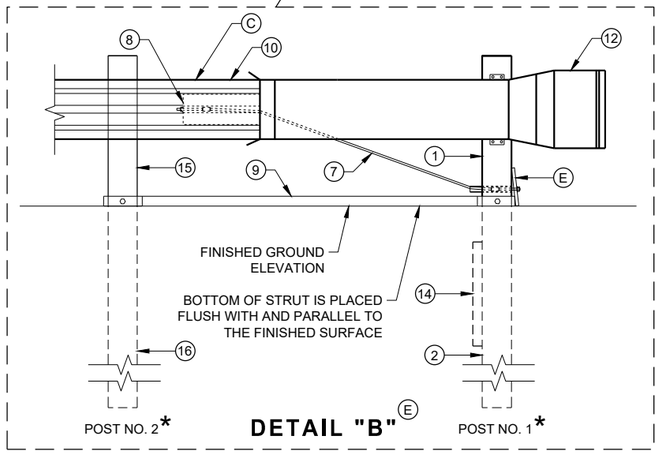
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



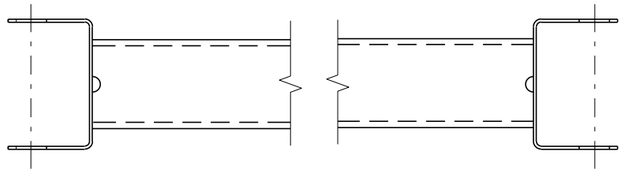
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_179

SDD 14B44 - 04a

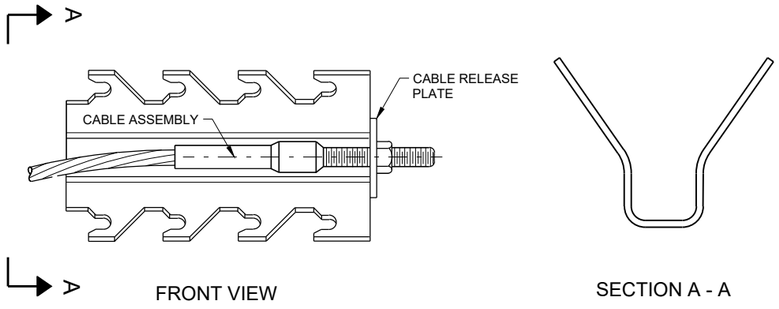
SDD 14B44 - 04a



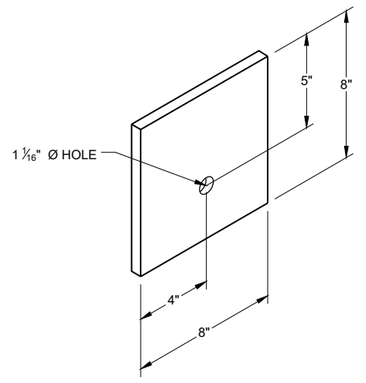
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



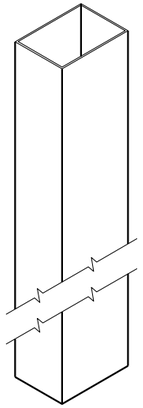
BEARING PLATE ⑥ Ⓔ

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

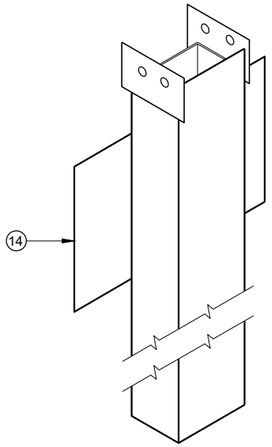
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO PRE_180

6
SDD 14B44 - 04b

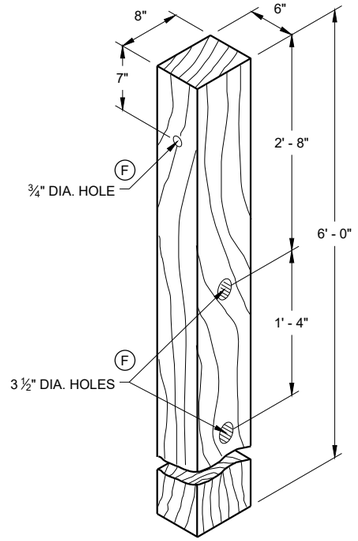
SDD 14B44-c Midwest Guardrail System (MGS) Energy Absorbing Terminal



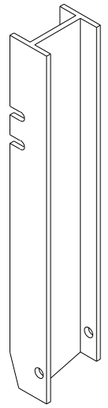
UPPER POST NO. 1 (1) (E)



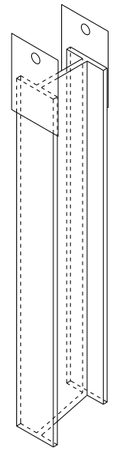
LOWER POST NO. 1 (2) (E)



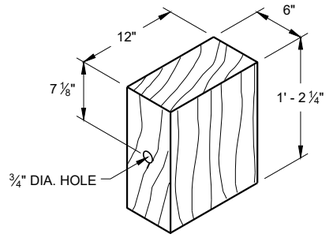
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



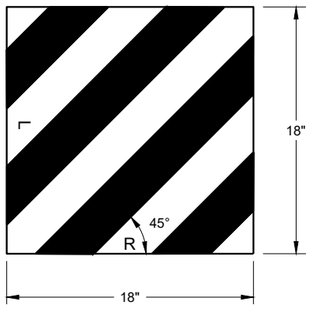
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

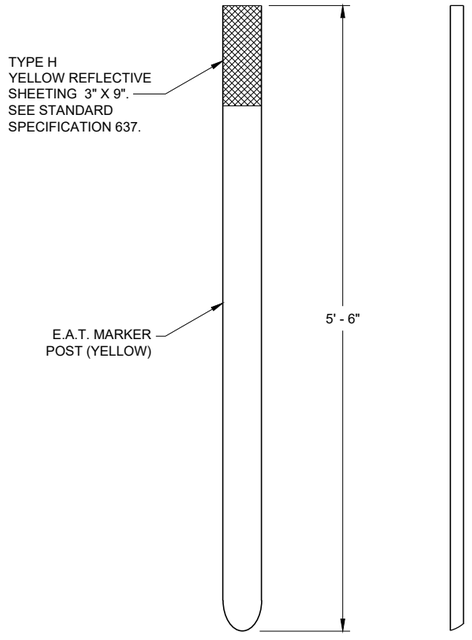


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



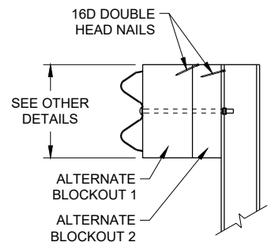
W5 - 59

REFLECTIVE SHEETING DETAIL (E)

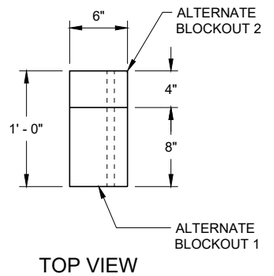


FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
7/2018 DATE	/S/ Rodney Tavlor ROADWAY STANDARDS UNIT SUPER

FHWA

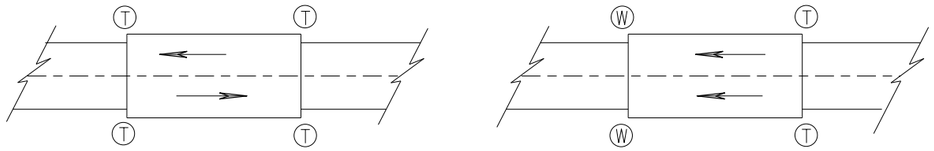
PRE_181

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SDD 14B44 - 04c

6

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.

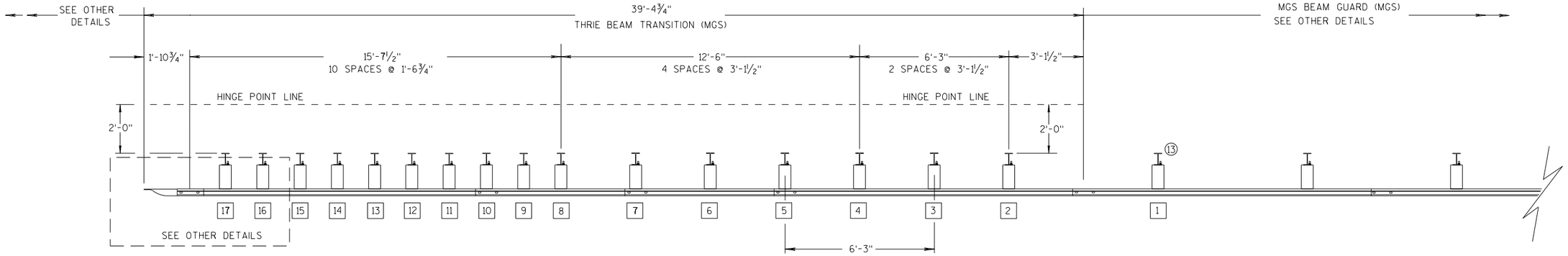
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

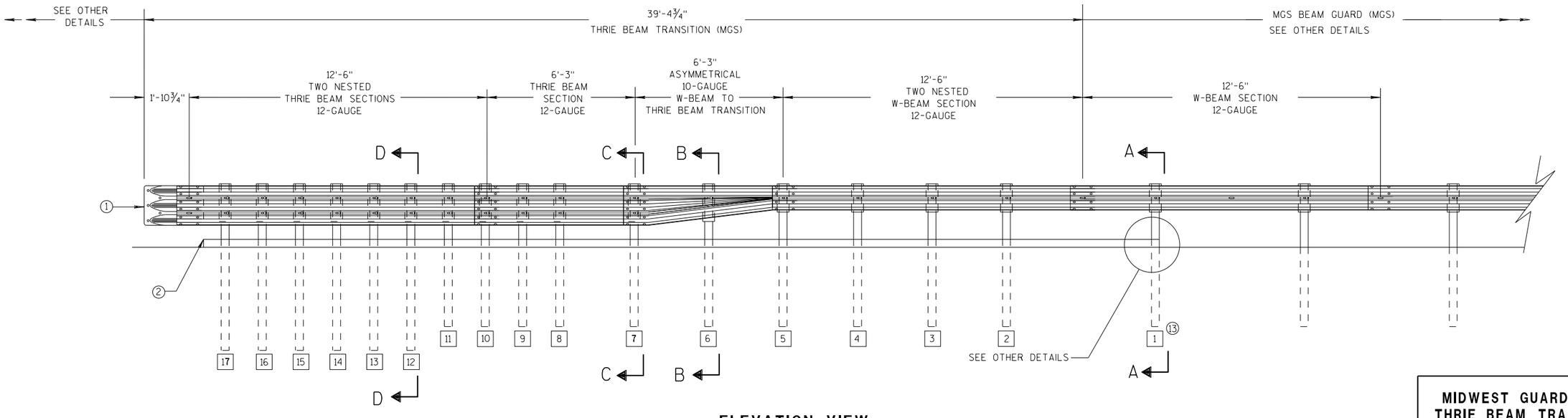
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(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 TRANS

PR

6

S.D.D. 14 B 45-5a

6

S.D.D. 14 B 45-5a

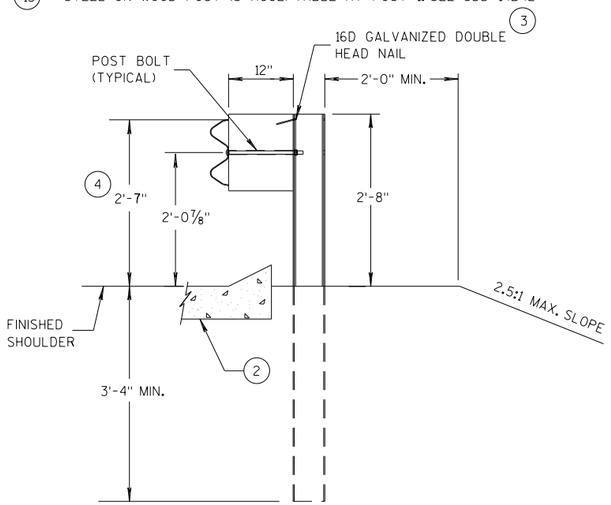
GENERAL NOTES

(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.

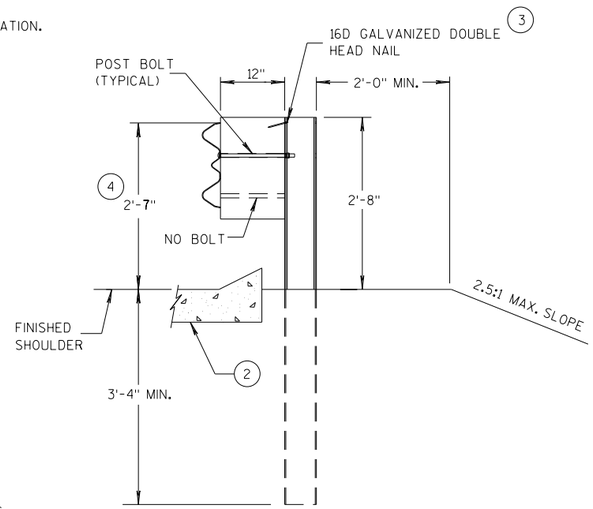
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



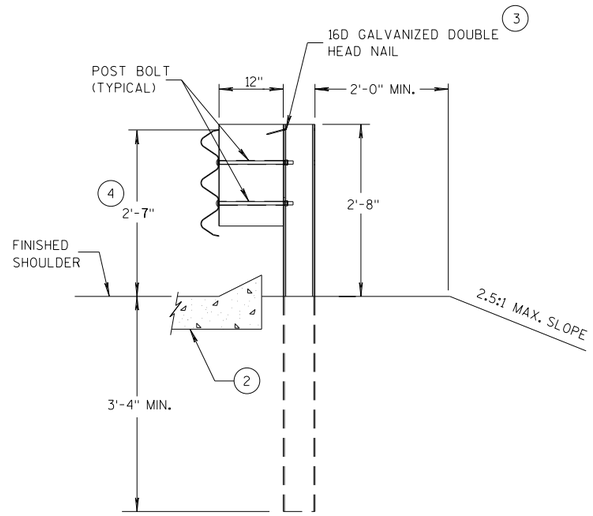
SECTION A-A (13)

POSTS 1-5



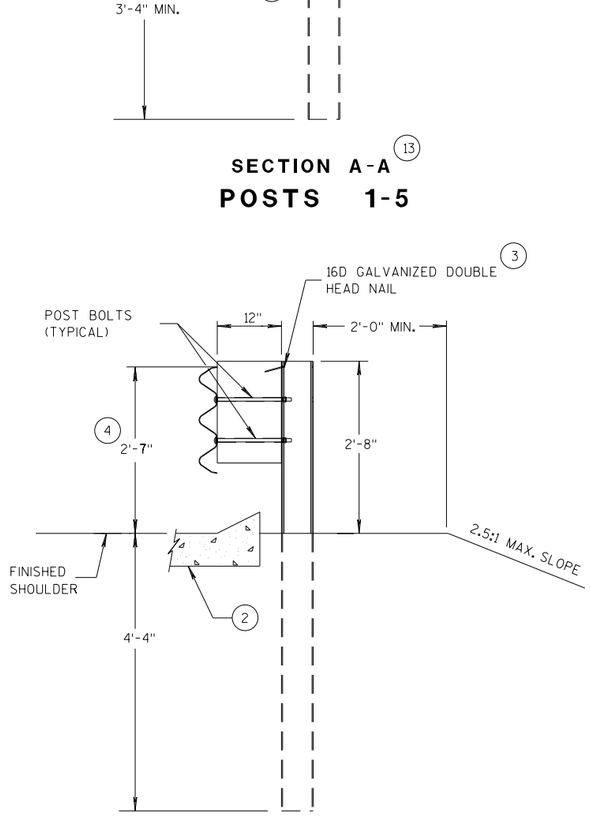
SECTION B-B

POST 6



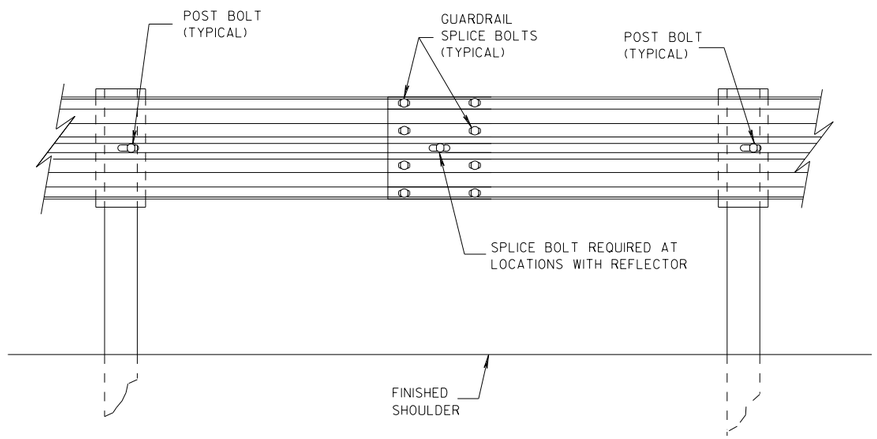
SECTION C-C

POSTS 7-11



SECTION D-D

POSTS 12-17



SPLICE DETAIL

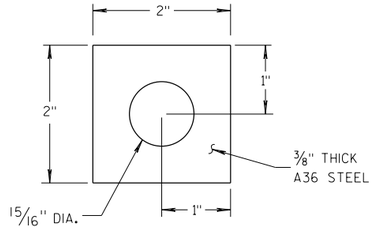
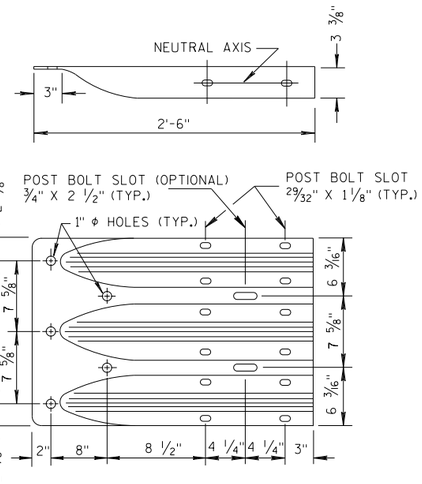
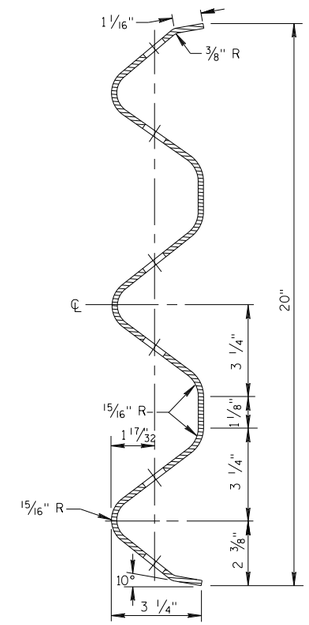


PLATE WASHER DETAIL



THRIE BEAM TERMINAL CONNECTOR



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANS

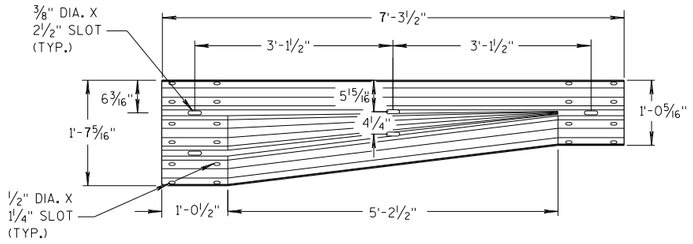
PR

6

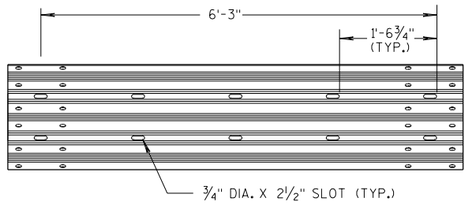
S.D.D. 14 B 45-5b

6

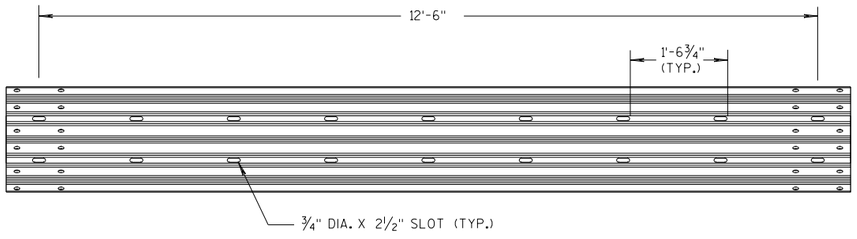
S.D.D. 14 B 45-5b



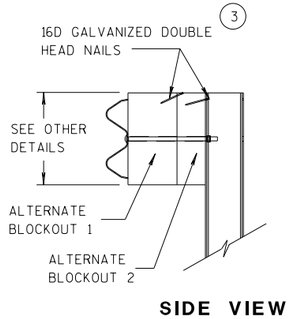
W-BEAM TO THRIE BEAM TRANSITION SECTION



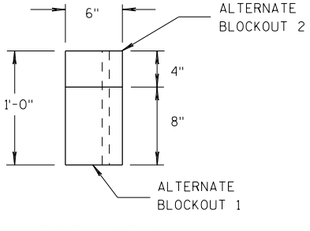
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

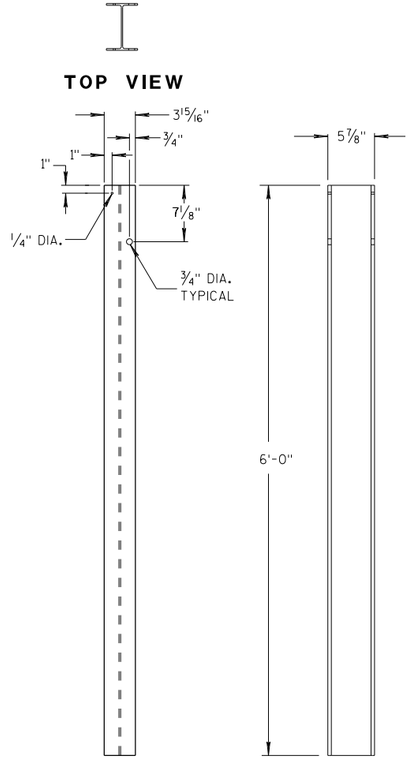


SIDE VIEW



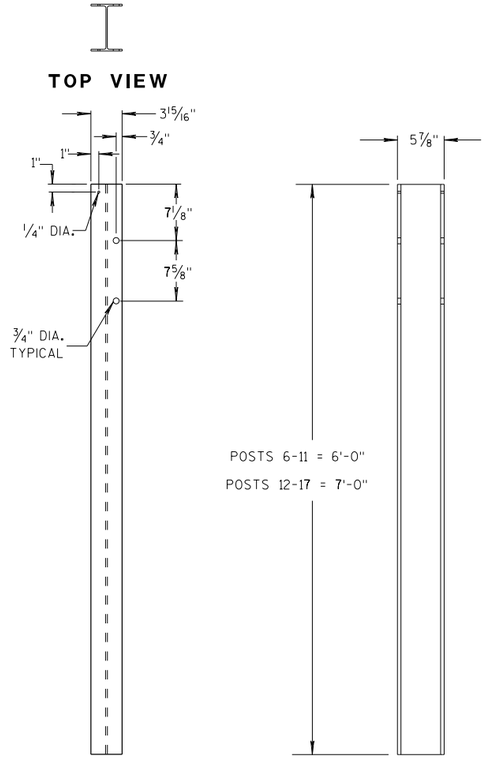
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



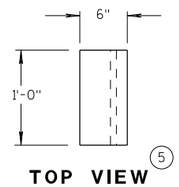
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

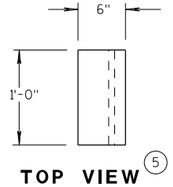


FRONT VIEW SIDE VIEW

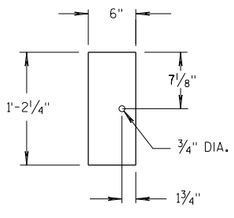
STEEL POSTS 6-17



TOP VIEW (5)

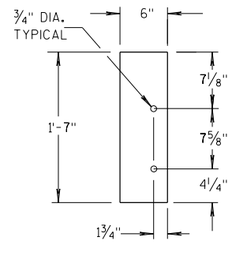


TOP VIEW (5)



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 TRANS

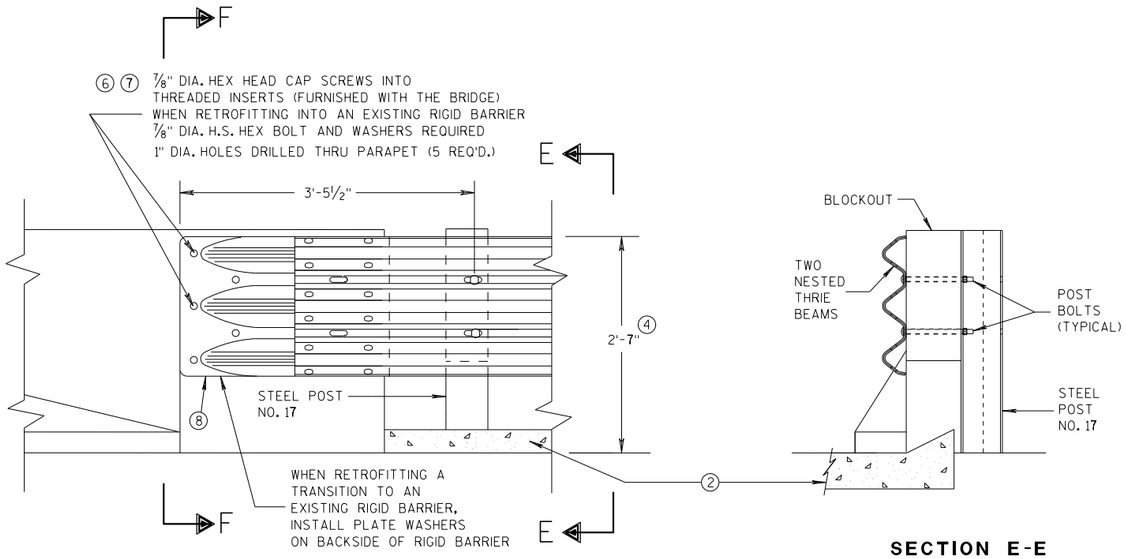
PR

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S.D.D. 14 B 45-5c

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.

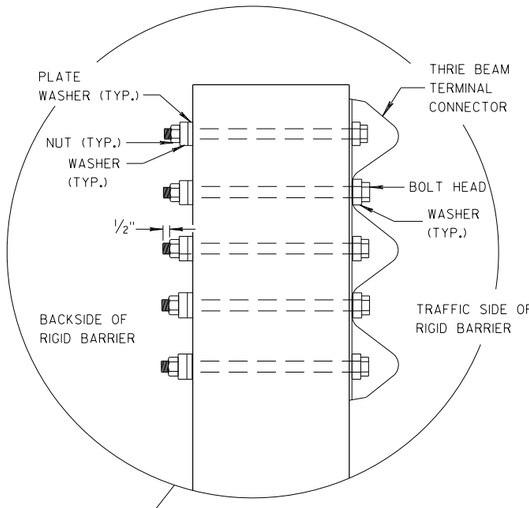
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

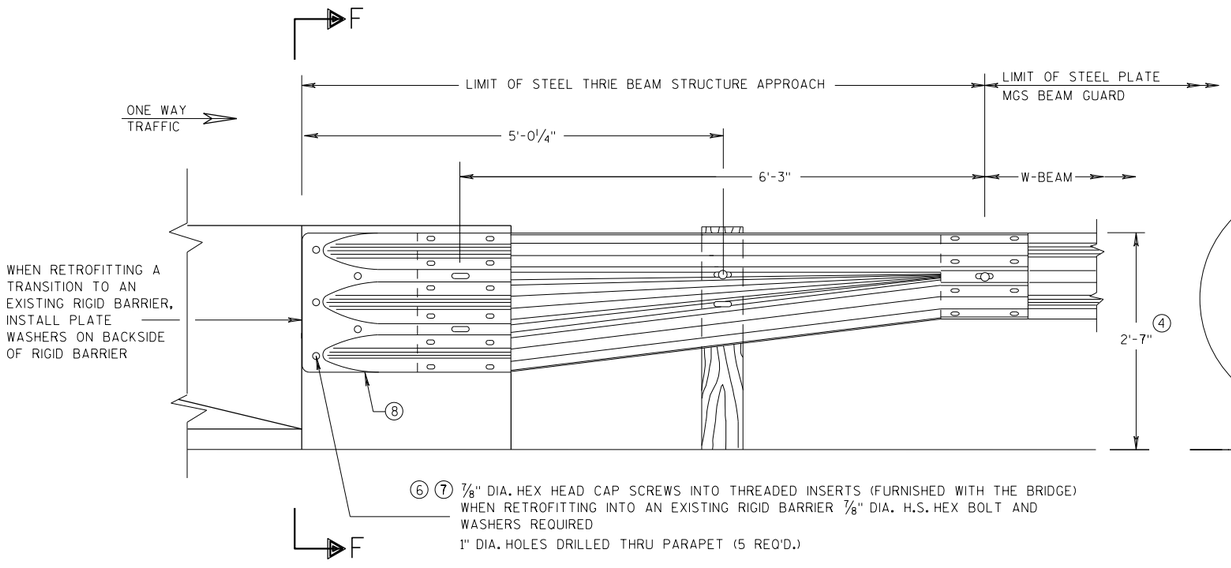
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

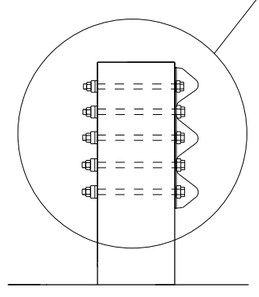
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. 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".

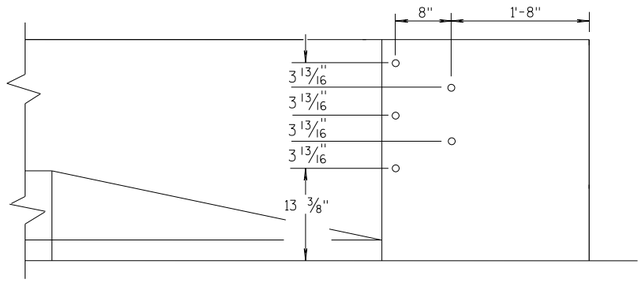




FRONT VIEW



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 STANDAI
UNIT SUI
PR
FHWA

6

S.D.D. 14 B 45-5d

6

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.

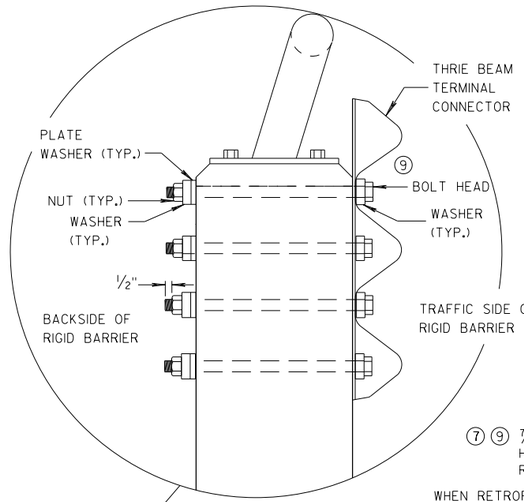
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

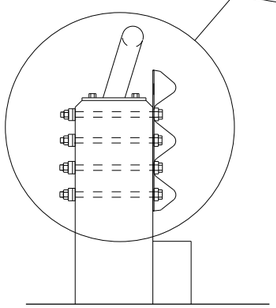
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(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.

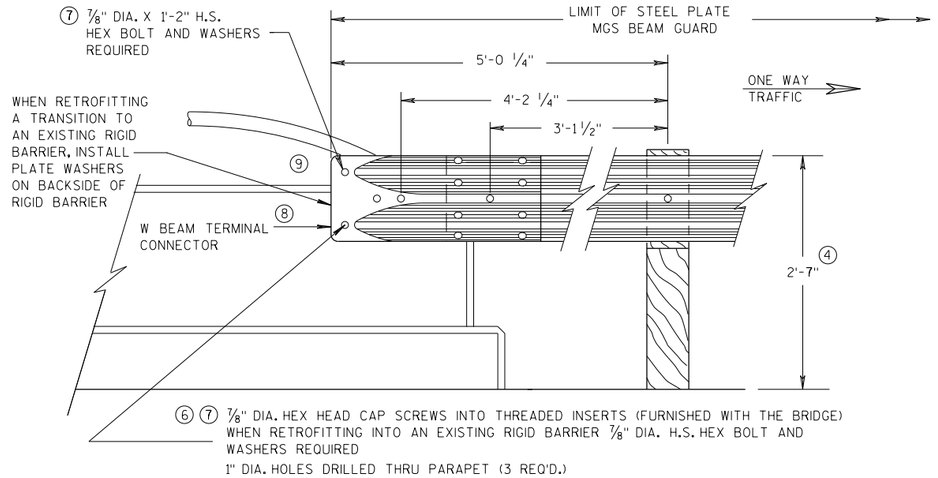
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(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.





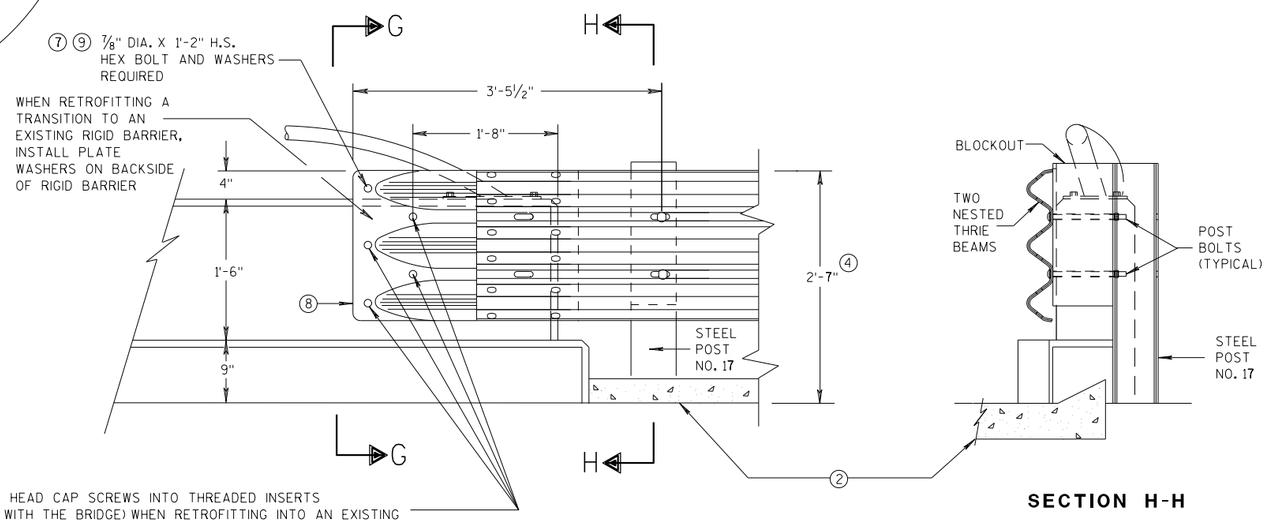
SECTION G-G



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

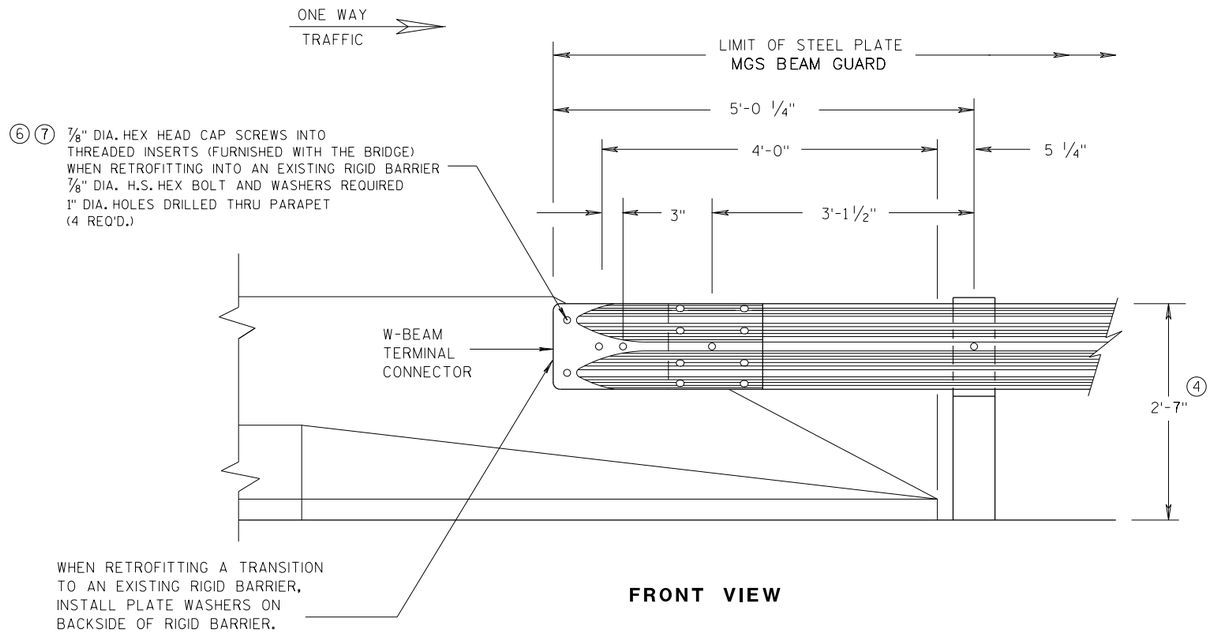
APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDAI
UNIT SUI
PR
FHWA

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S.D.D. 14 B 45-5e

6

S.D.D. 14 B 45-5e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

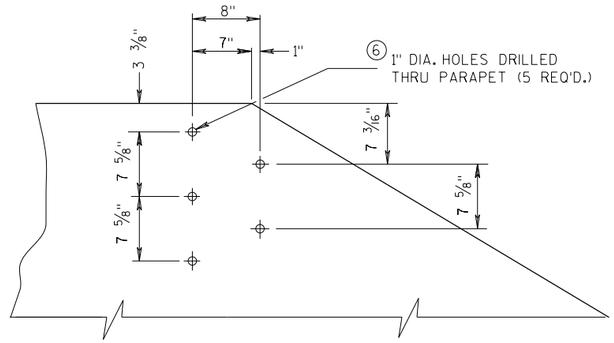
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

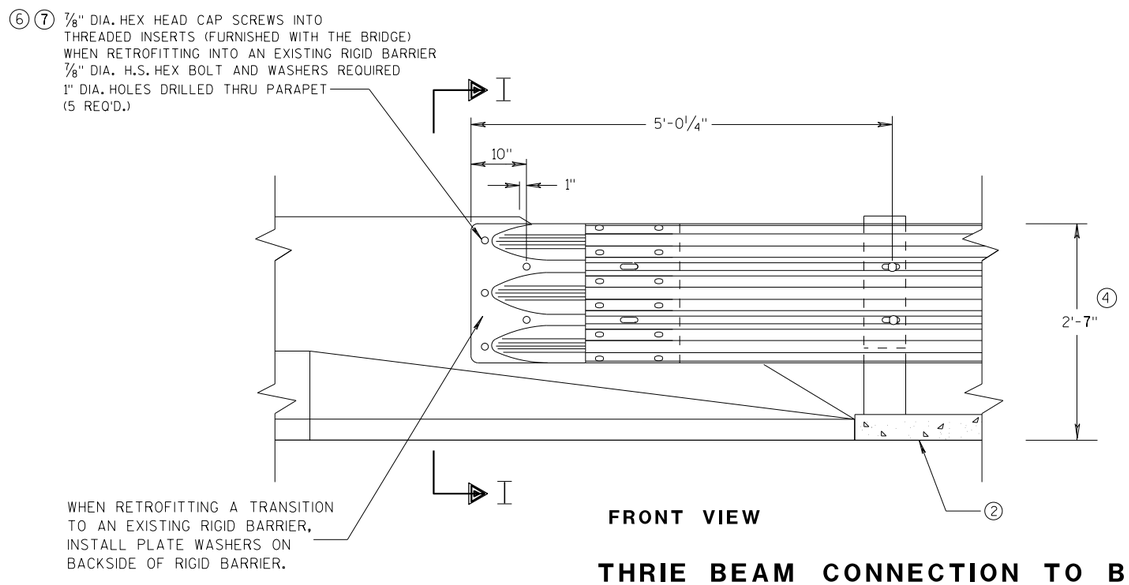
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

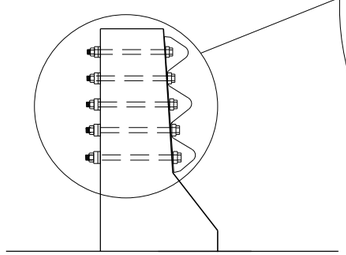
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. 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.



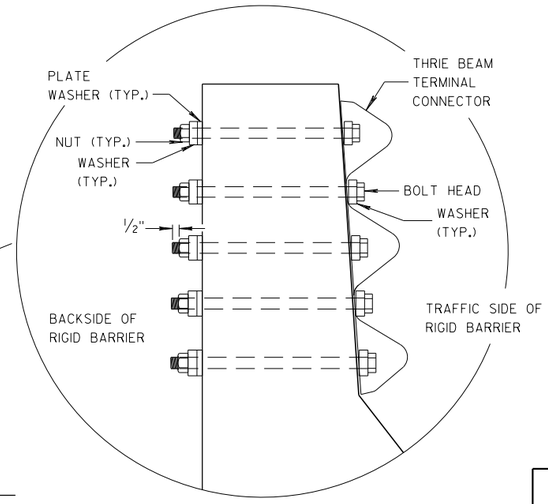
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



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

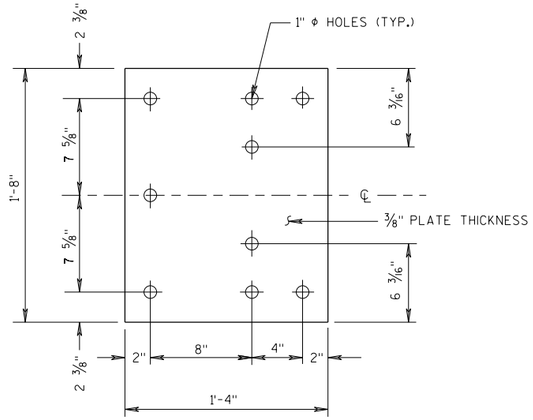
APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDA
UNIT SU
PR
NT
FHWA

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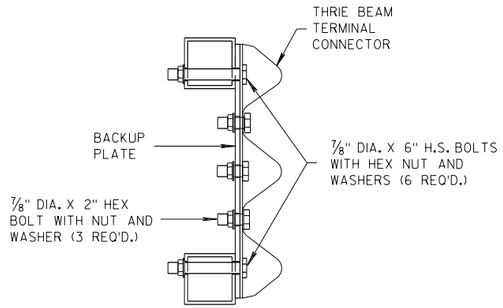
S.D.D. 14 B 45-5f

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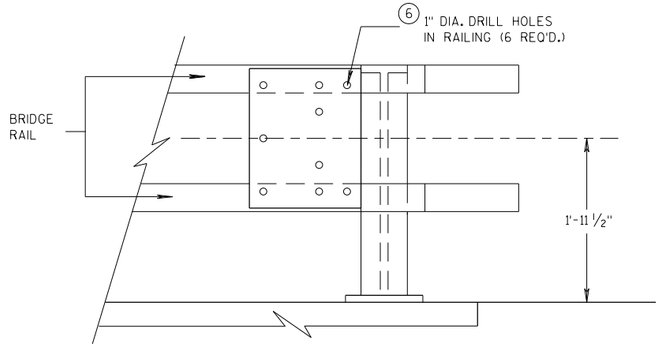
S.D.D. 14 B 45-5f



BACK-UP PLATE DETAIL



SECTION J-J

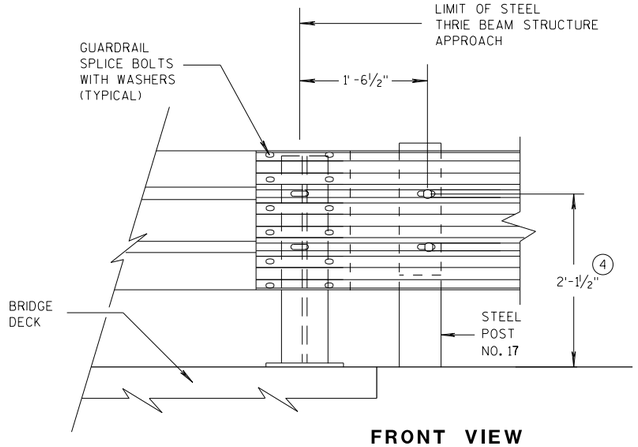


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

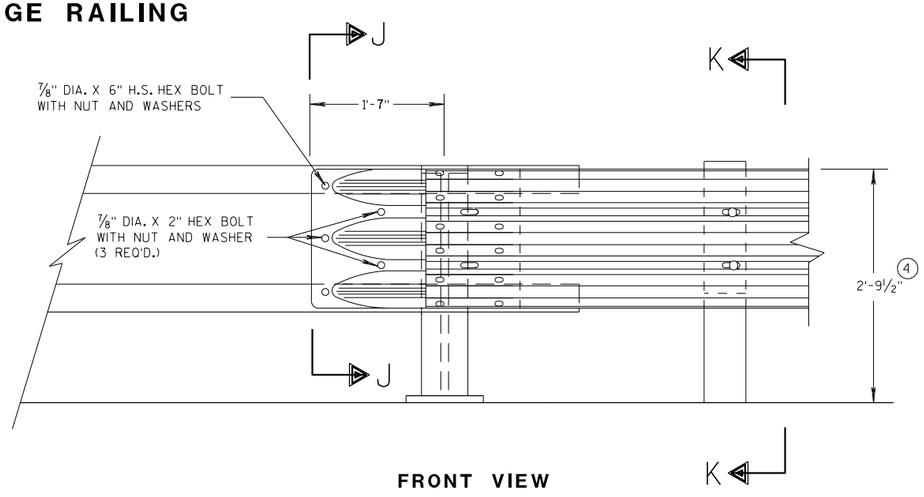
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

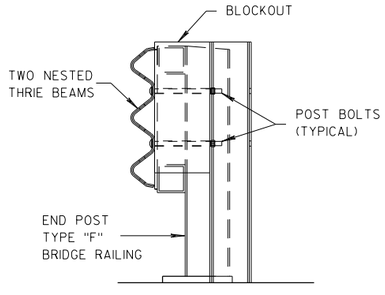


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



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
FHWA

/S/ Rodney Tay PR
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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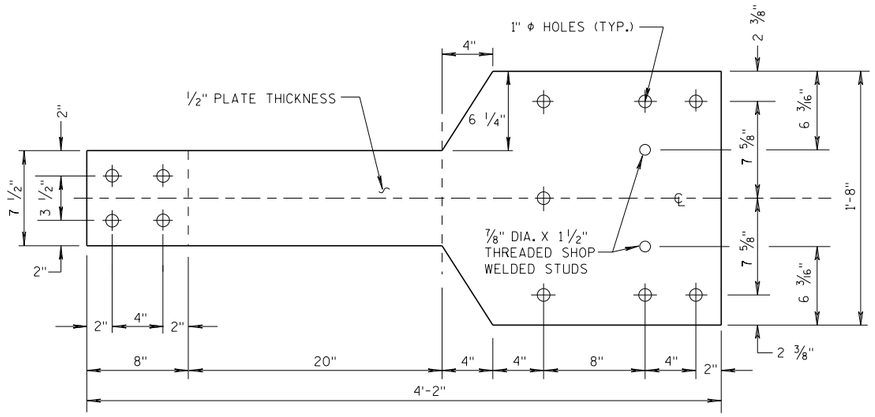
S.D.D. 14 B 45-5g

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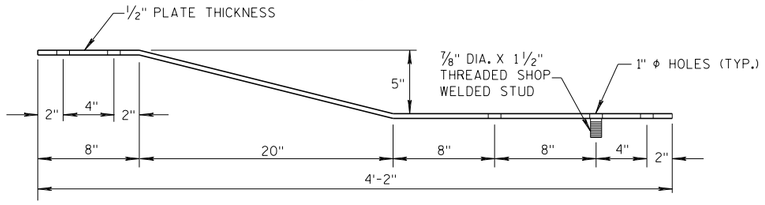
S.D.D. 14 B 45-5g

GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

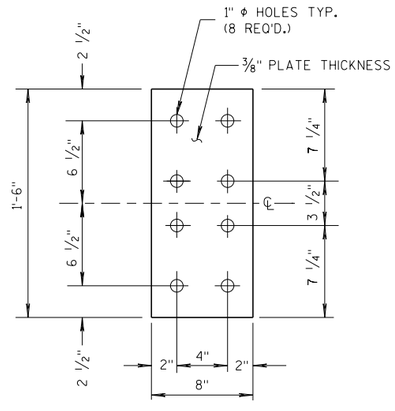


FRONT VIEW



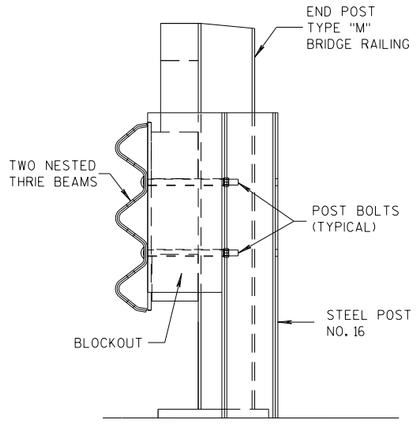
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

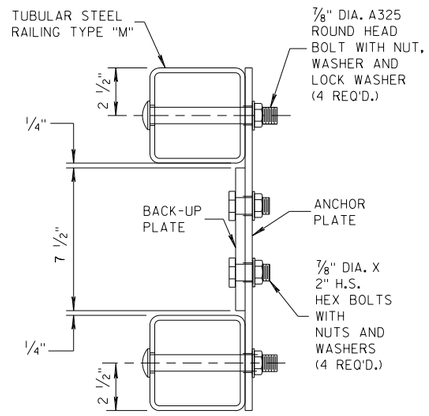


FRONT VIEW

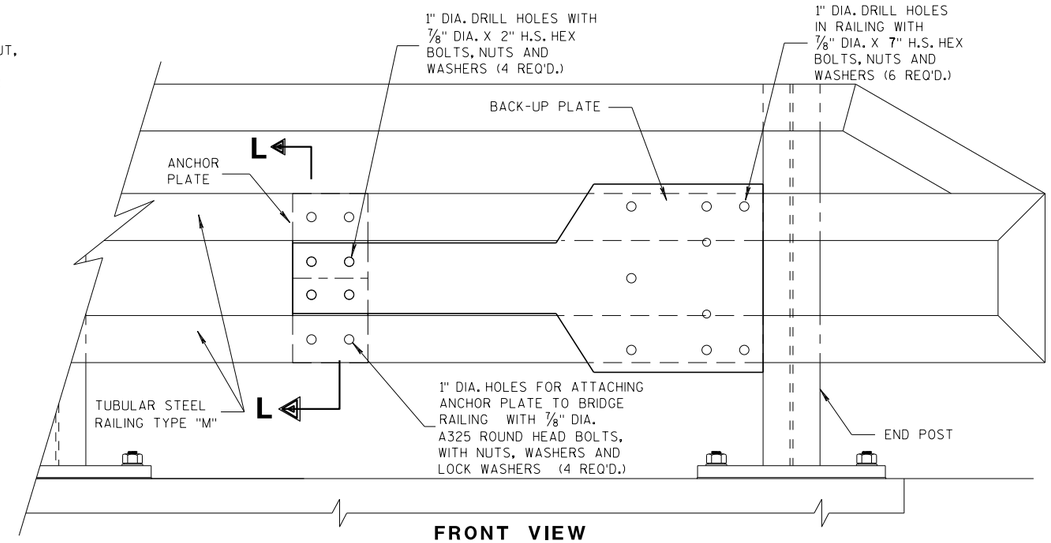
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

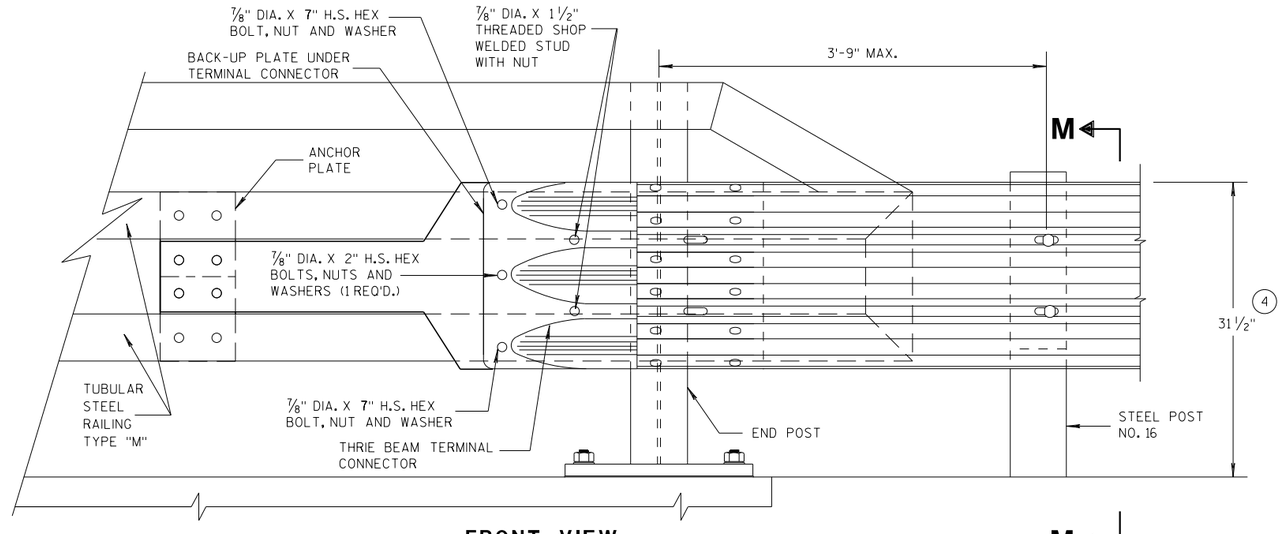


SECTION L-L

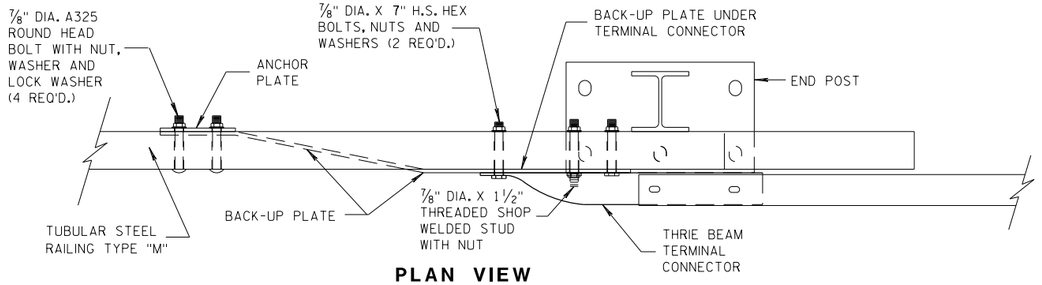


FRONT VIEW

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

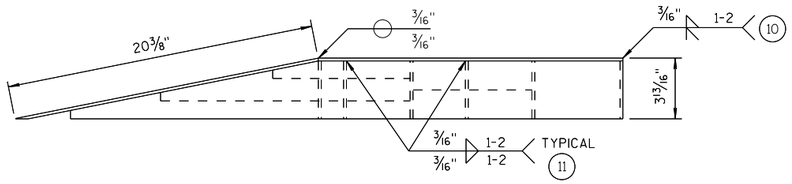
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/S/ Rodney Taylor — ROADWAY STANDA
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PR — VT
FHWA

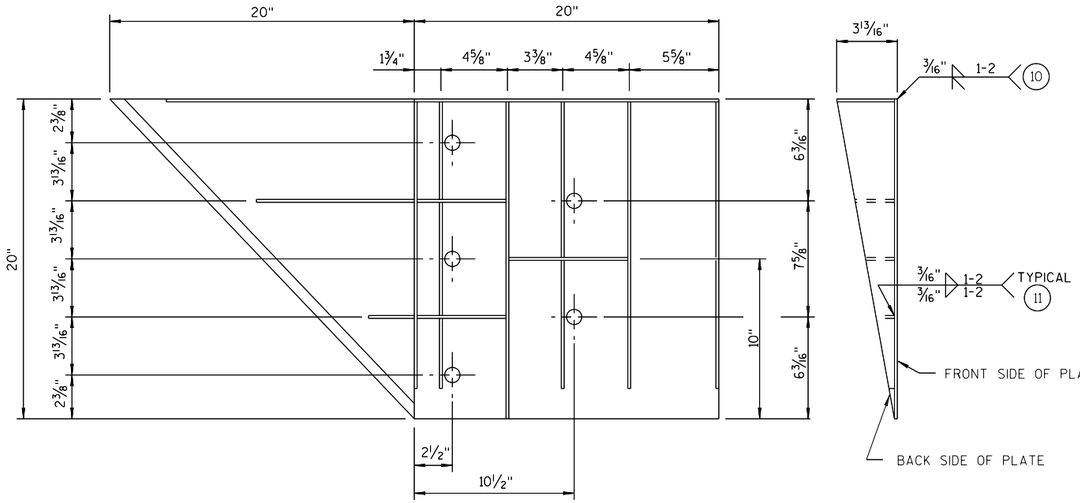
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S.D.D. 14 B 45-5h

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S.D.D. 14 B 45-5h





WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

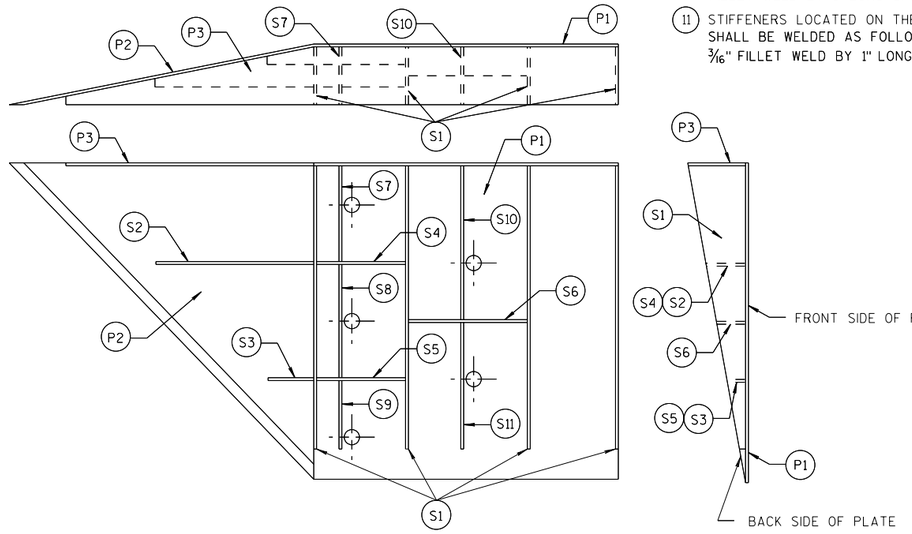


PLATE AND STIFFENER IDENTIFICATION

(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

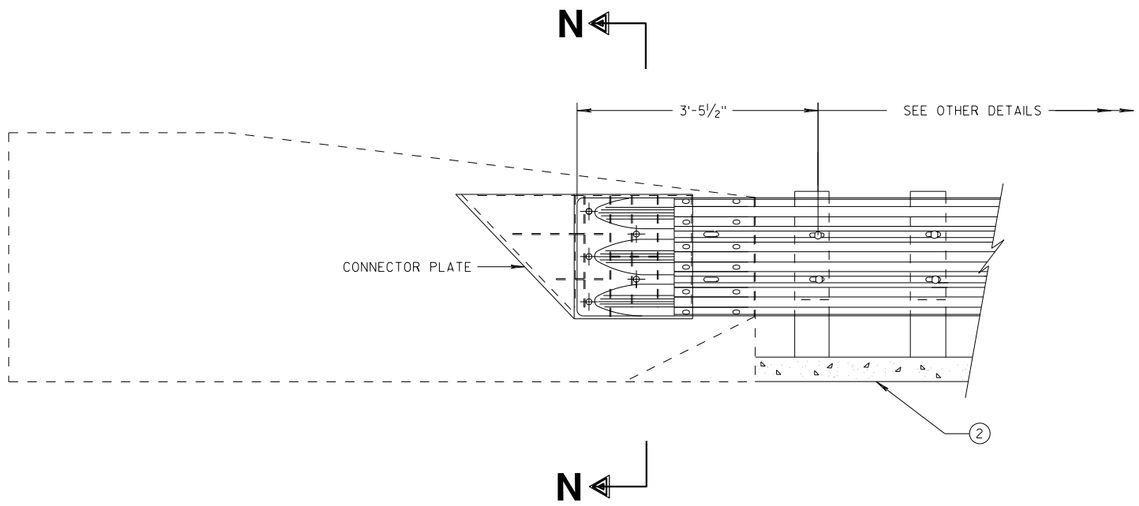
MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

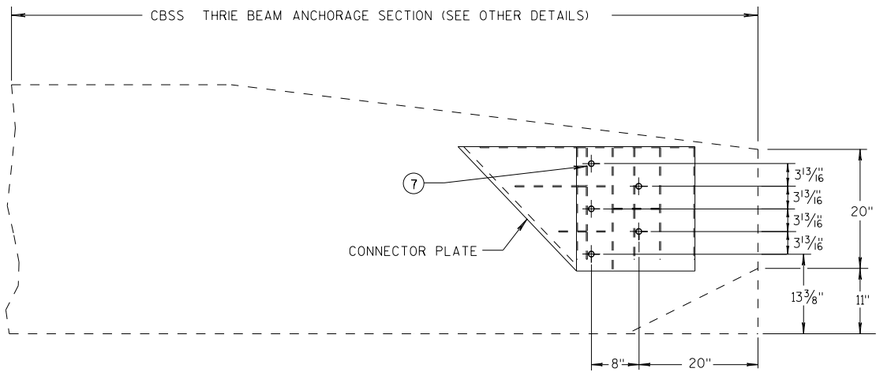
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7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SU

PR



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



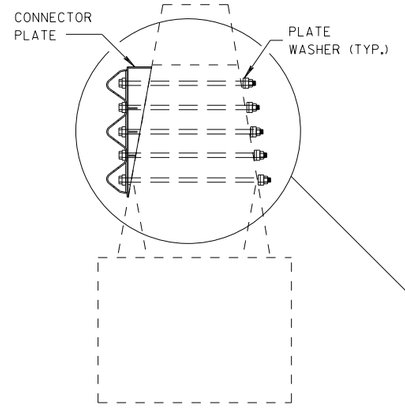
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

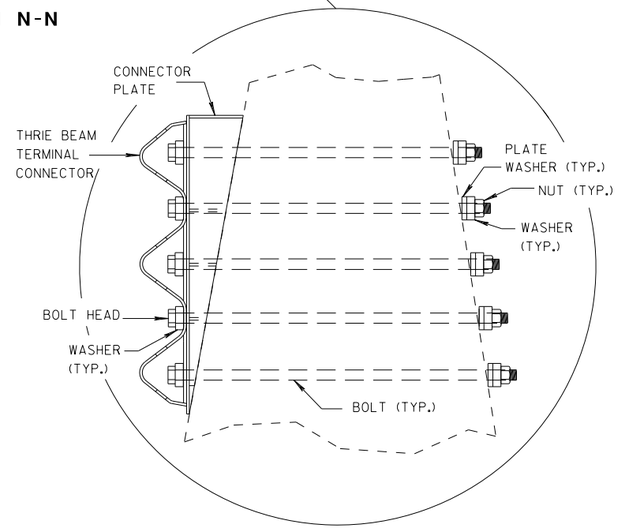
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE BARRIER, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(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 BARRIER 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

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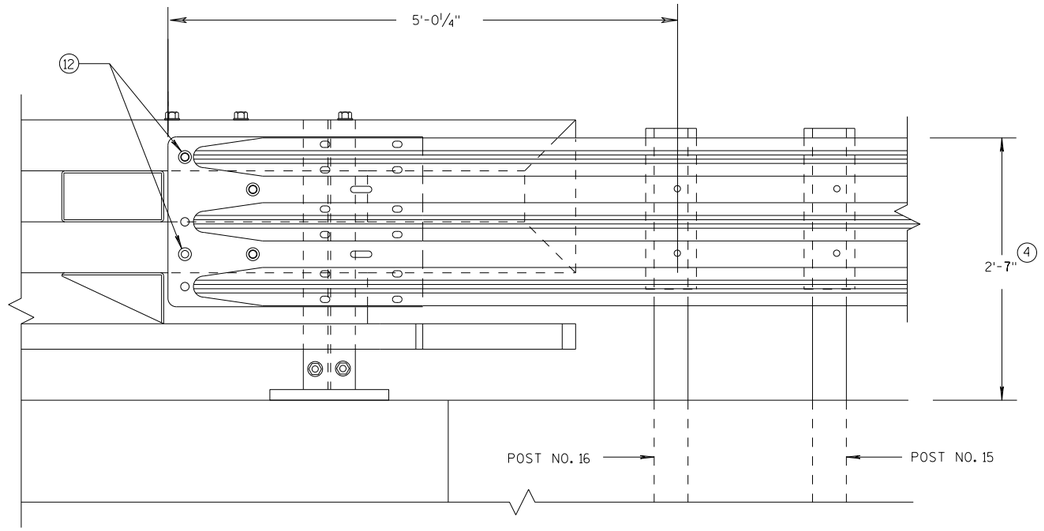
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S.D.D. 14 B 45-5j

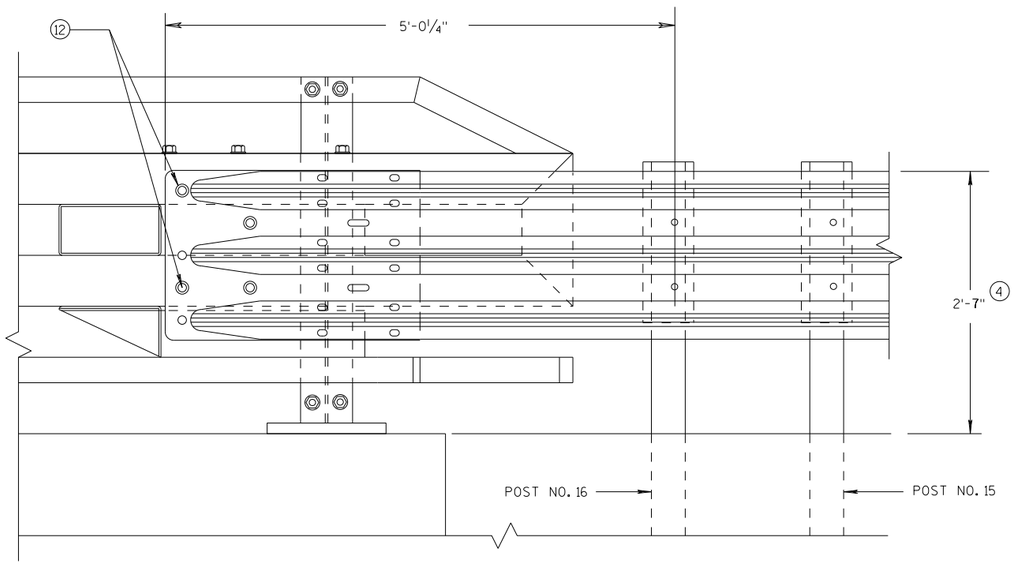
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S.D.D. 14 B 45-5j



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

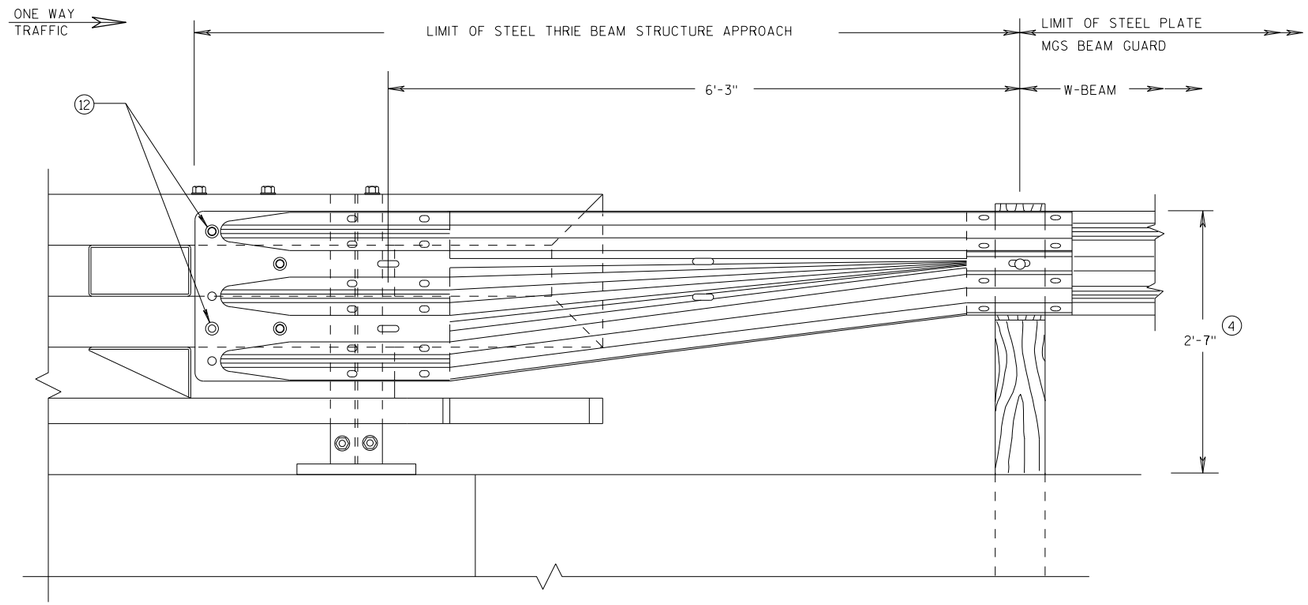
APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDAR
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S.D.D. 14 B 45-5k

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S.D.D. 14 B 45-5k



FRONT VIEW

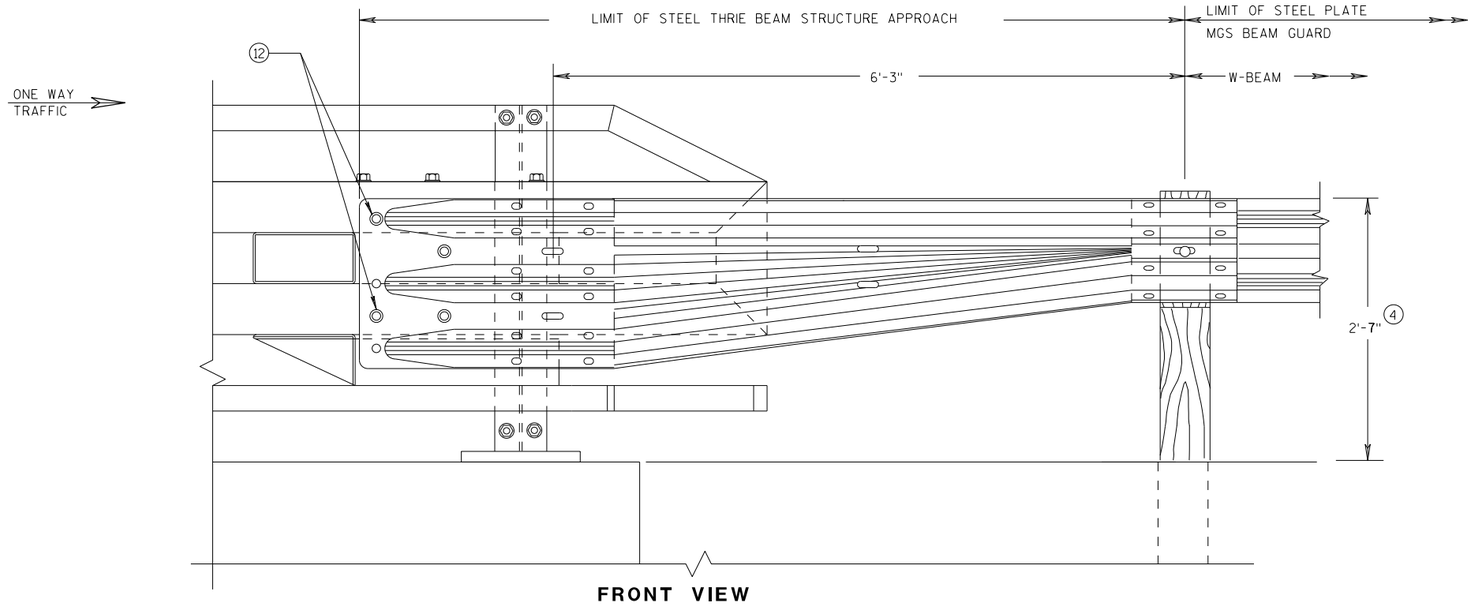
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(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

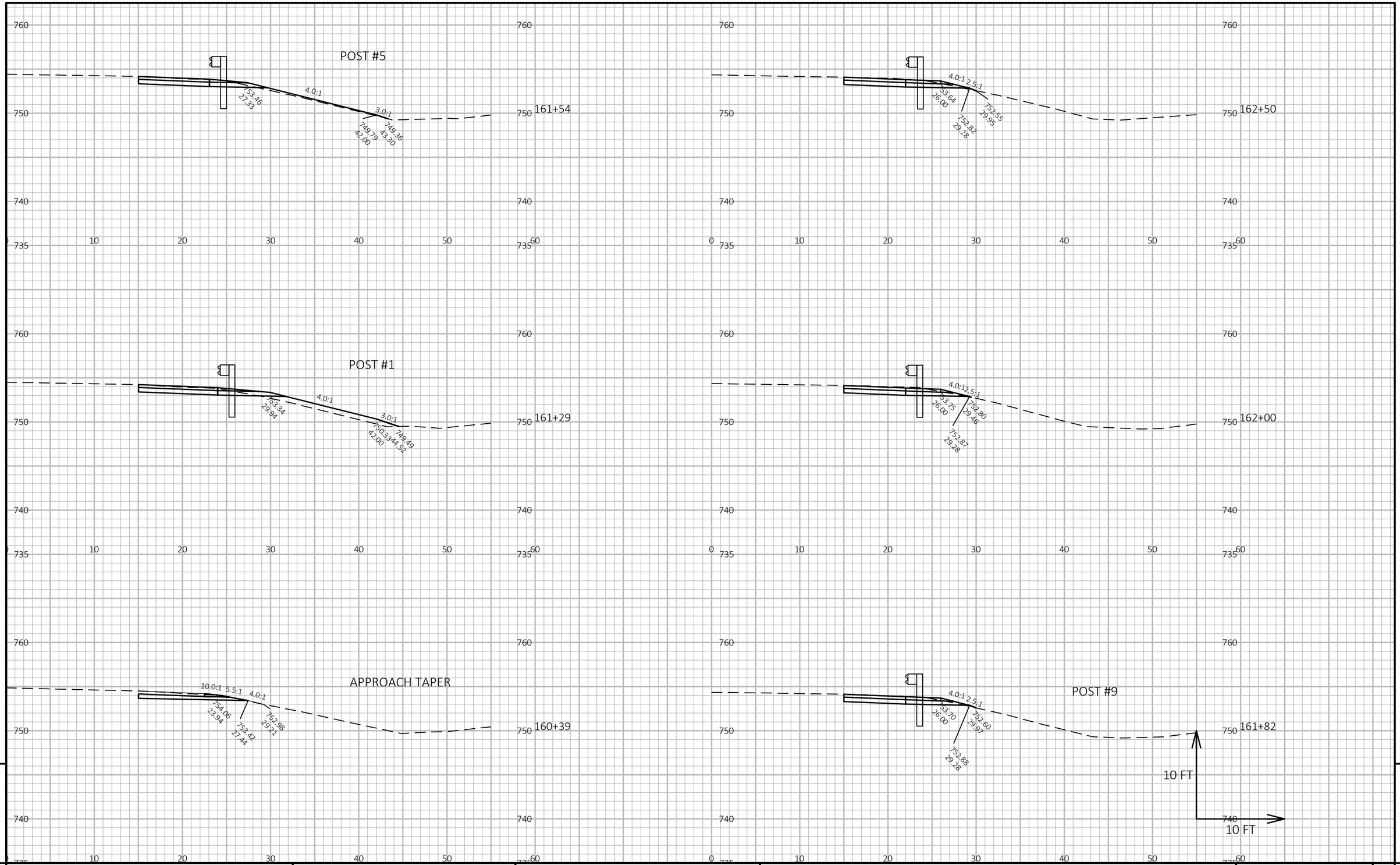
APPROVED
7/2018 DATE
/S/ Rodney Taylor
ROADWAY STANDAR IT
UNIT SUF
FHWA

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S.D.D. 14 B 45-5L

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S.D.D. 14 B 45-5L



9

9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - SOUTHWEST QUADRANT	SHEET E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - SW Quad - 01

PLOT DATE : 6/30/2022 3:11 PM PLOT BY : CAMPSHURE, MICHAEL R PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_194

WISDOT/CADDS SHEET 49

760
750
740
735
10
20
30
40
50
2.2:1
25.88
26.00
750.15
34.22
164+00
760
750
740
735
10
20
30
40
50
60
760
750
740
735
10
20
30
40
50
2.5:1
33.73
26.00
750.61
33.79
163+50
760
750
740
735
10
20
30
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50
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760
750
740
735
10
20
30
40
50
3.0:1
2.5:1
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26.00
752.99
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28.41
163+00
760
750
740
735
10
20
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20
30
40
50
2.0:1
25.02
26.00
748.38
37.27
164+43
760
750
740
735
10
20
30
40
50
60
10 FT
10 FT

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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - SOUTHWEST QUADRANT	SHEET E

PRE_195

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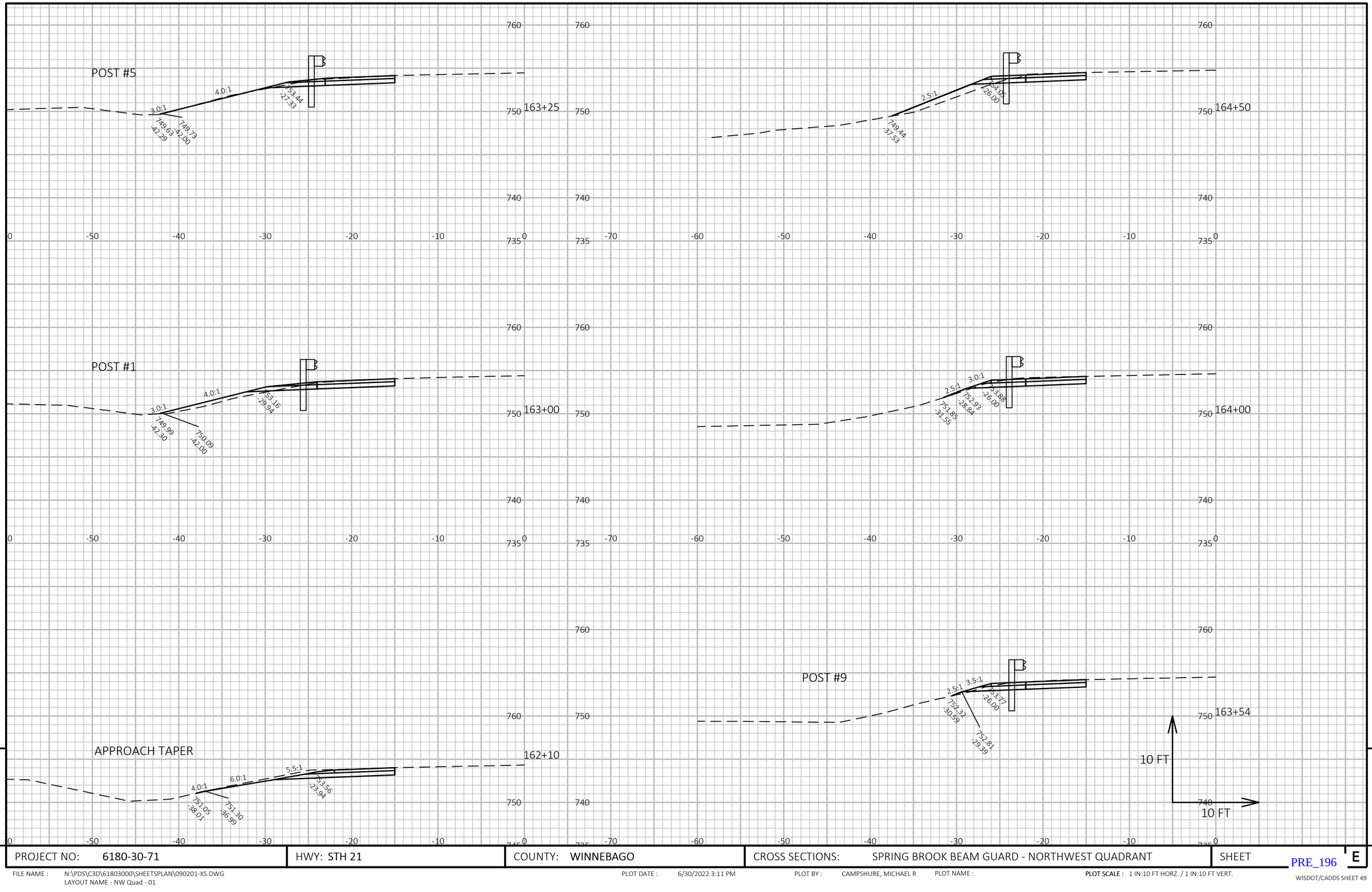
PLOT DATE : 6/30/2022 3:11 PM

PLOT BY : CAMPSHURE, MICHAEL R

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - NORTHWEST QUADRANT	SHEET E

PRE_196

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - NW Quad - 01

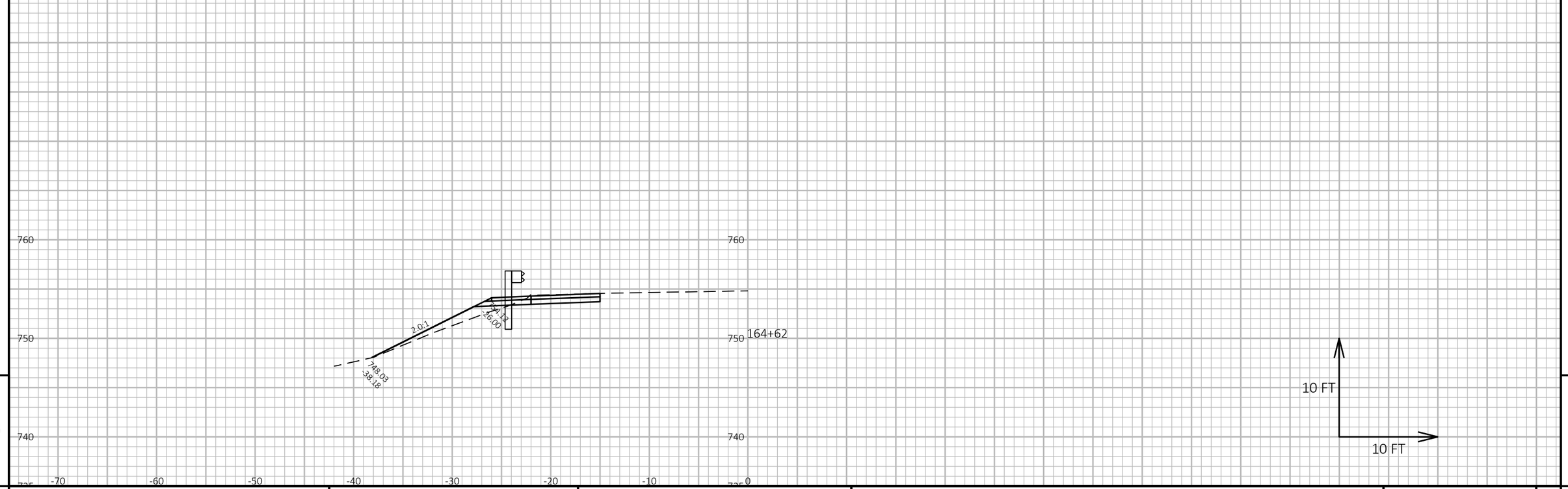
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PLOT BY : CAMPSHURE, MICHAEL R

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - NORTHWEST QUADRANT	SHEET PRE_197 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
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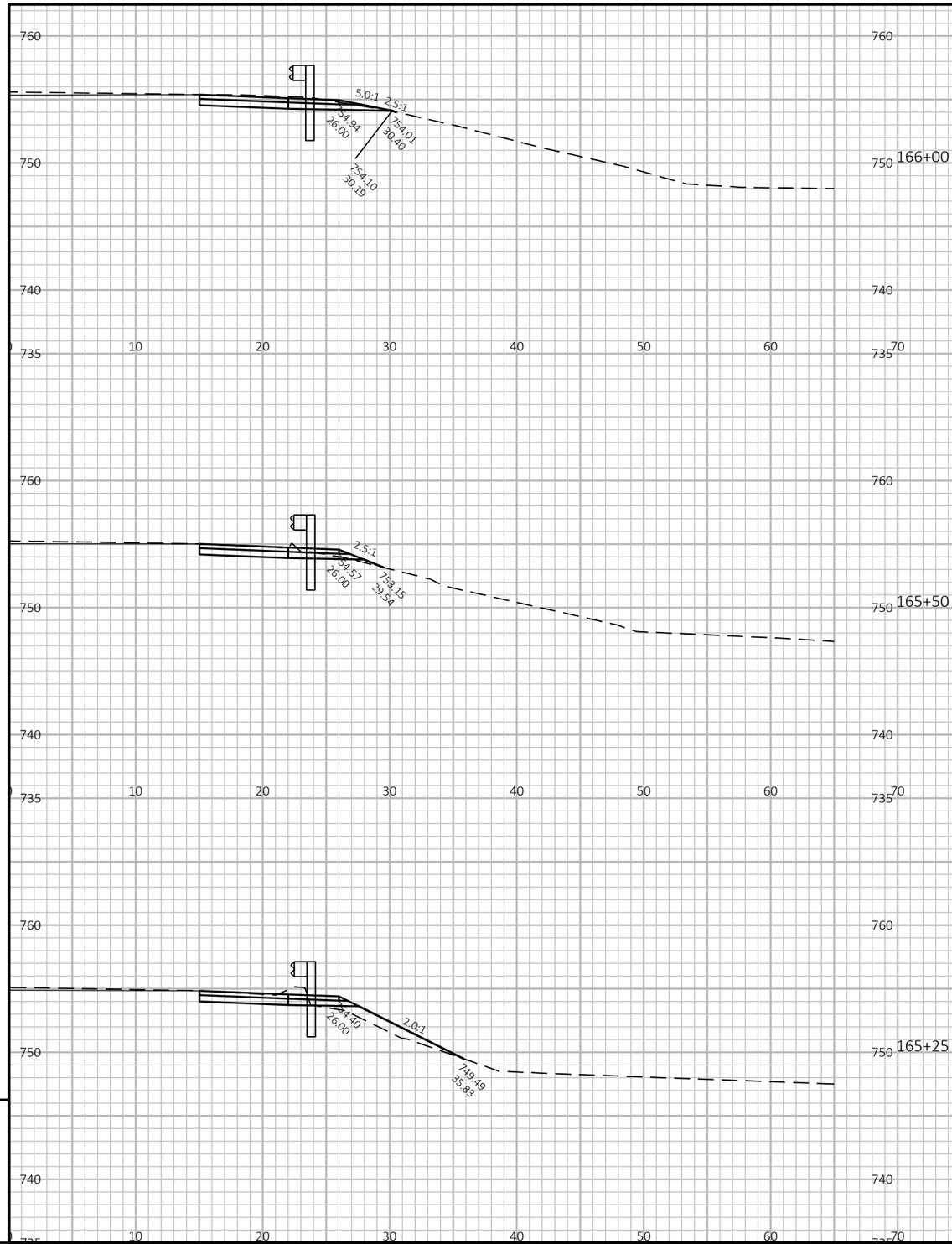
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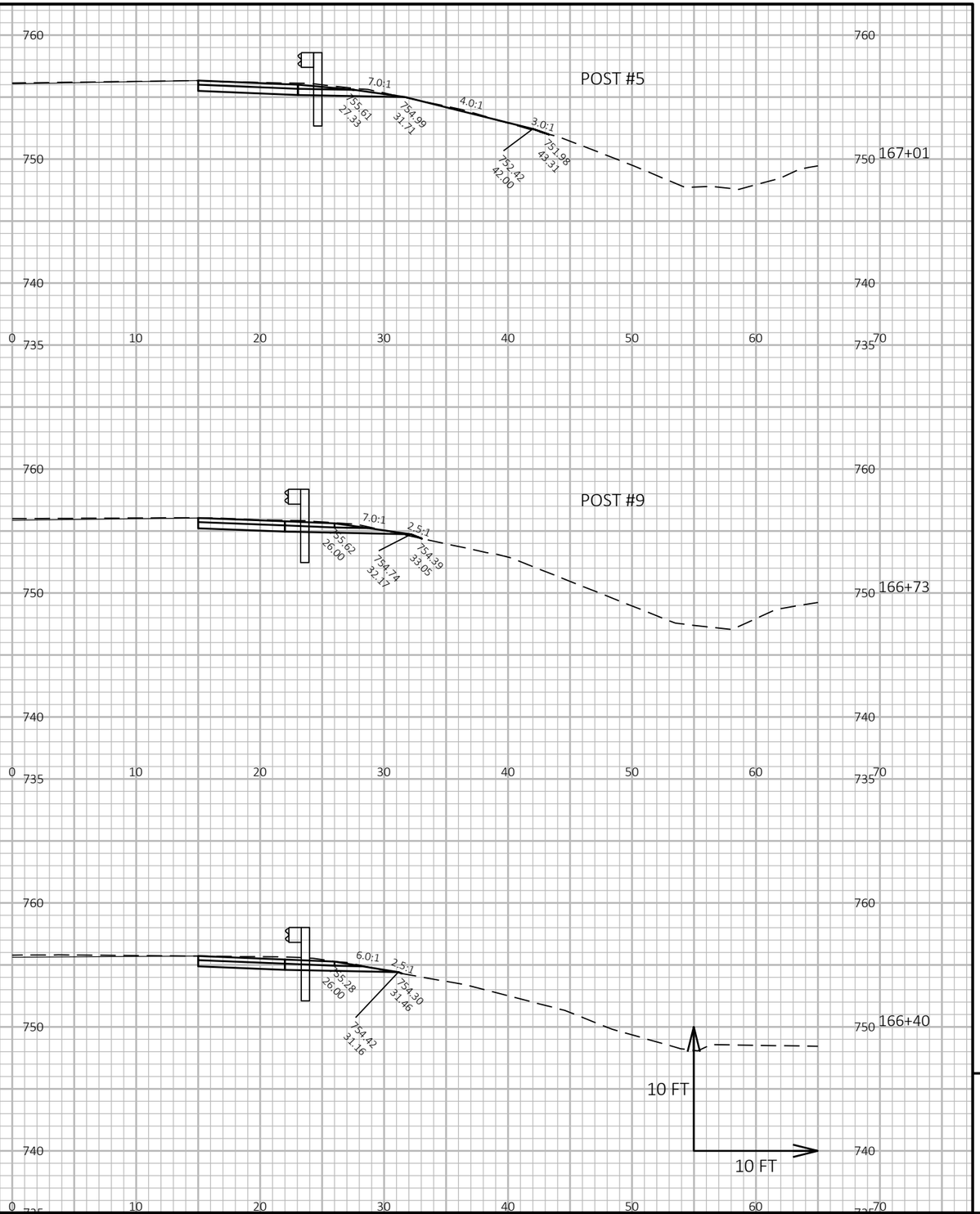
PLOT BY : CAMPSHURE, MICHAEL R

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - SOUTHEAST QUADRANT	SHEET E

PRE_198

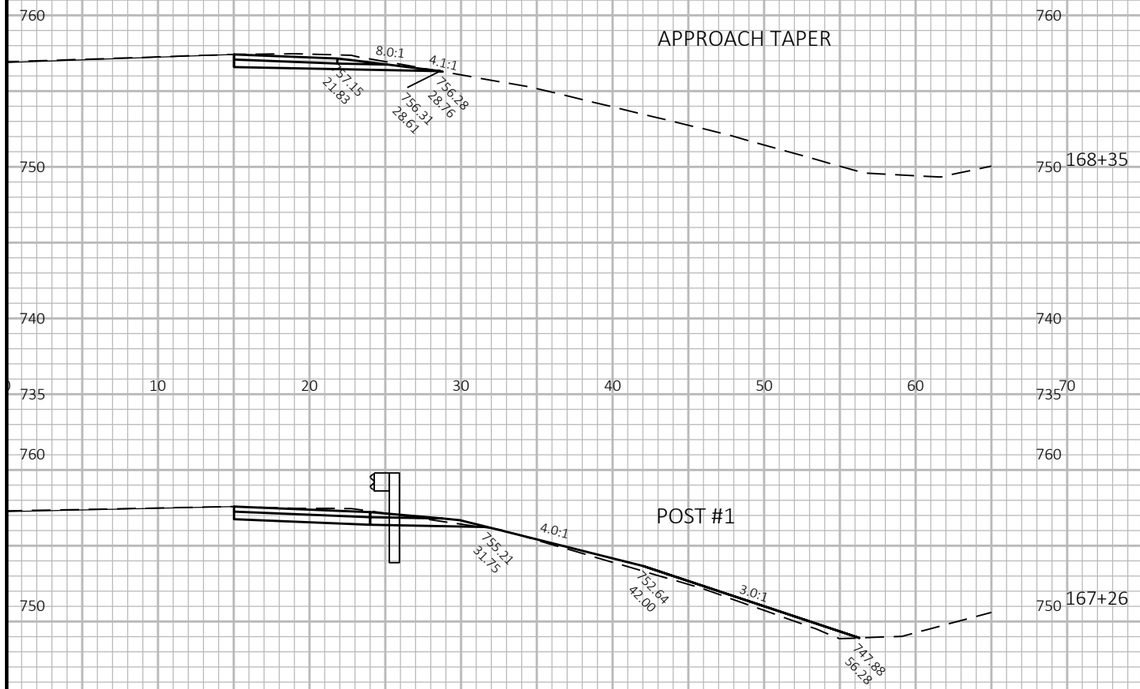
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LAYOUT NAME - SE Quad - 01

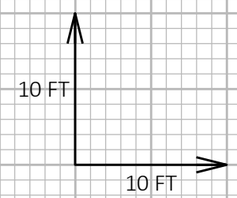
PLOT DATE : 6/30/2022 3:11 PM

PLOT BY : CAMPSHURE, MICHAEL R

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.





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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - SOUTHEAST QUADRANT	SHEET PRE_199 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - SE Quad - 02

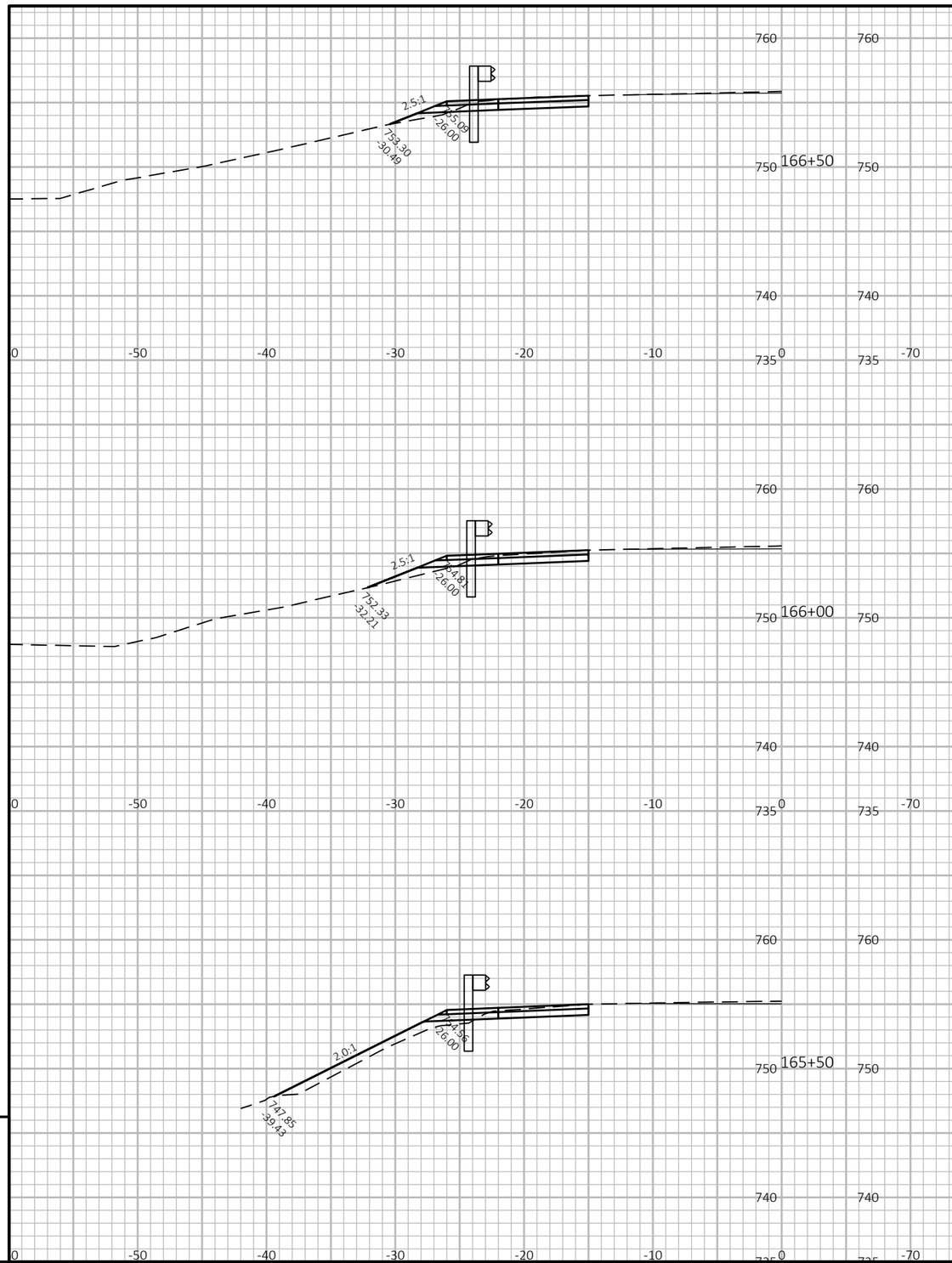
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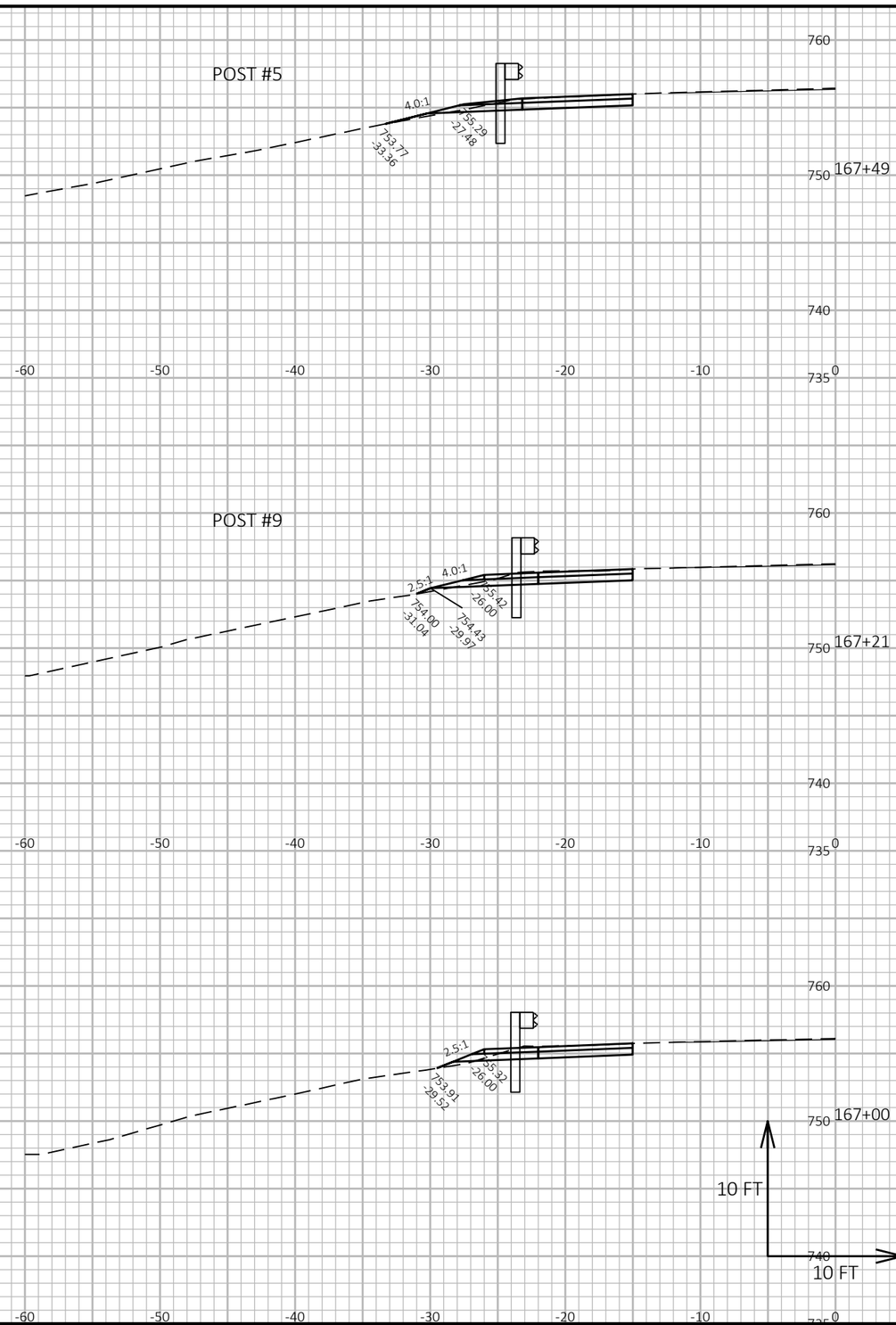
PLOT BY : CAMPSHURE, MICHAEL R

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - NORTHEAST QUADRANT	SHEET E

PRE_200

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - NE Quad - 01

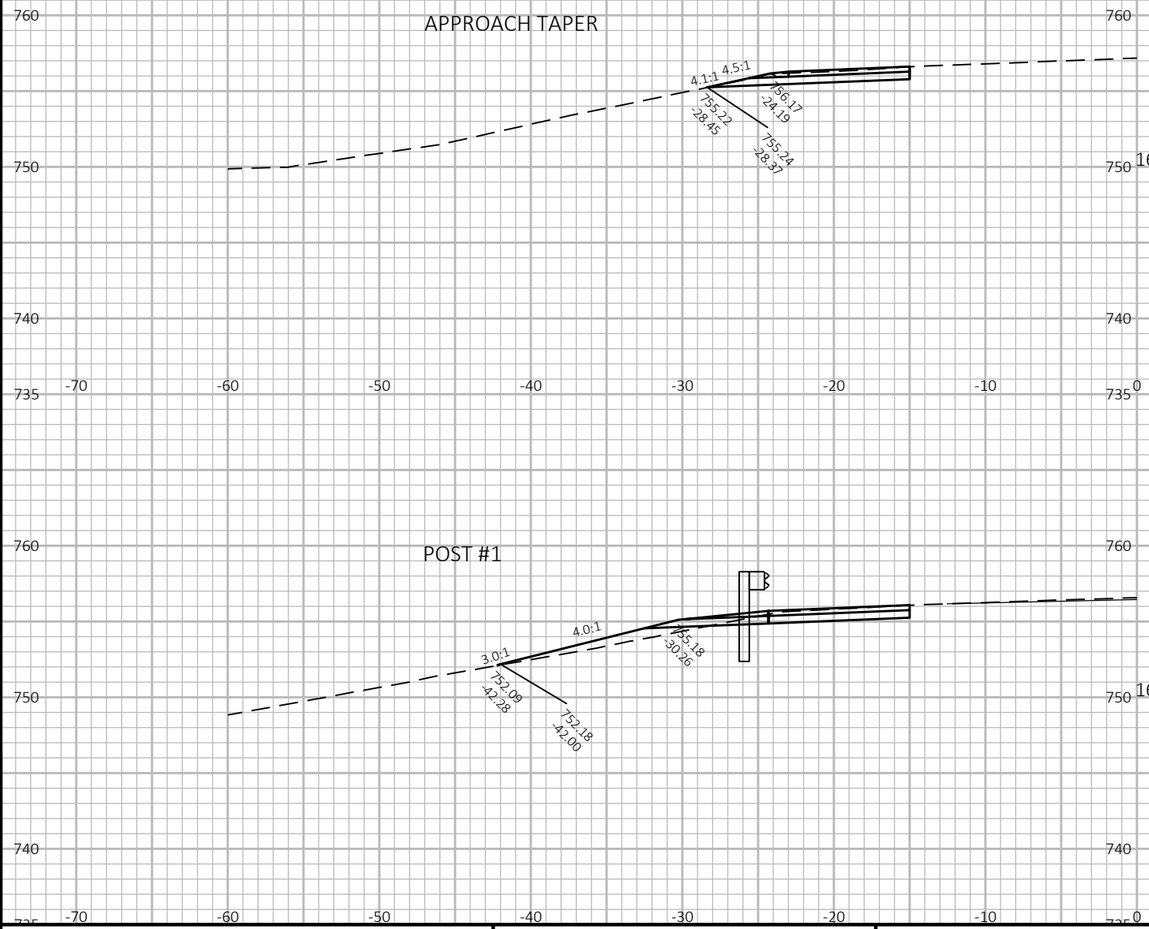
PLOT DATE : 6/30/2022 3:11 PM

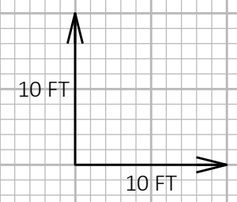
PLOT BY : CAMPSHURE, MICHAEL R

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SPRING BROOK BEAM GUARD - NORTHEAST QUADRANT	SHEET PRE_201 E

FILE NAME : N:\PDS\C3D\61803000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - NE Quad - 02

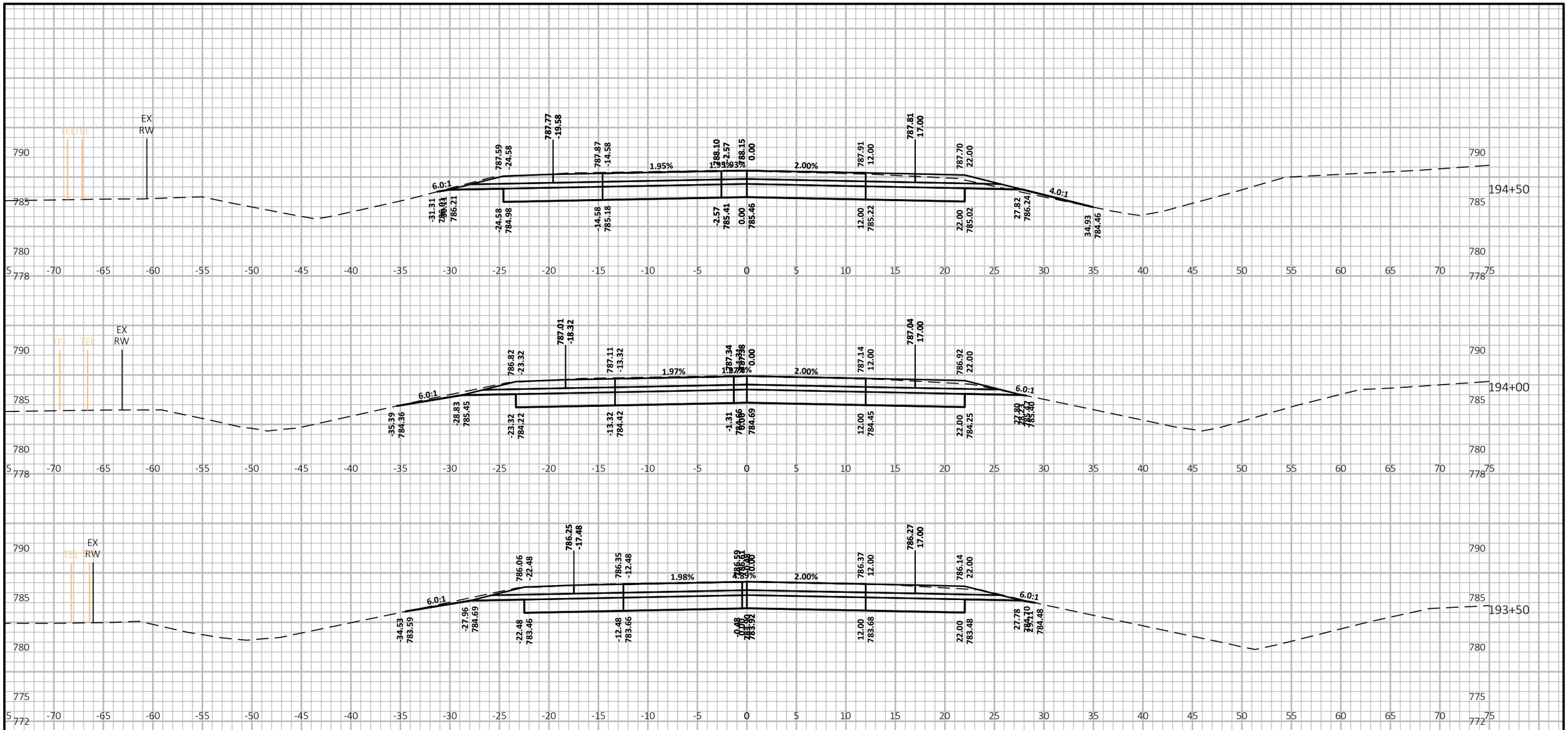
PLOT DATE : 6/30/2022 3:11 PM

PLOT BY : CAMPSHURE, MICHAEL R

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090201-xs

PLOT DATE : 9/5/2023 1:30 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_202

WISDOT/CADDS SHEET 49

9 9

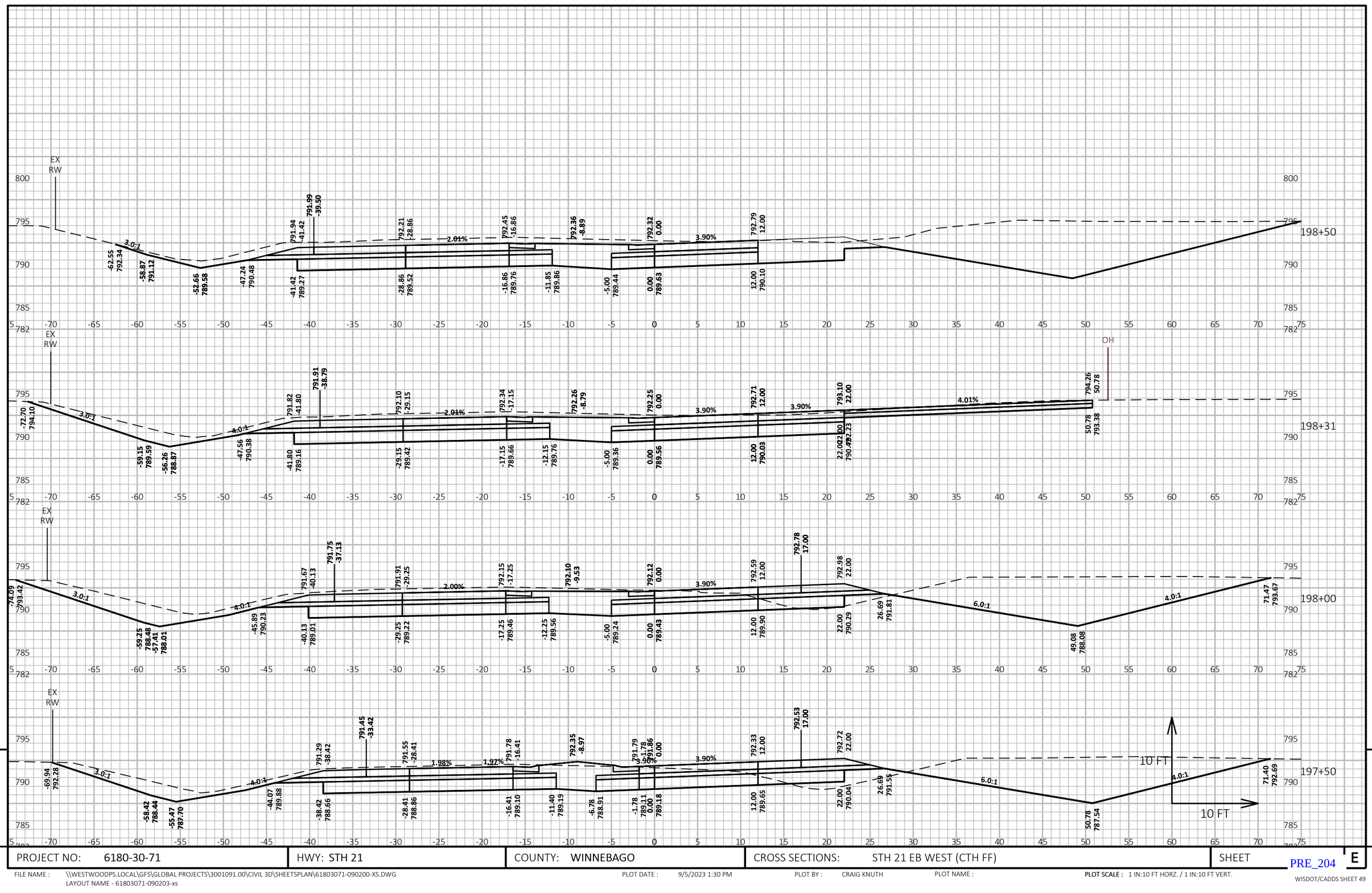
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090202-xs

PLOT DATE : 9/5/2023 1:30 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_203

WISDOT/CADDS SHEET 49



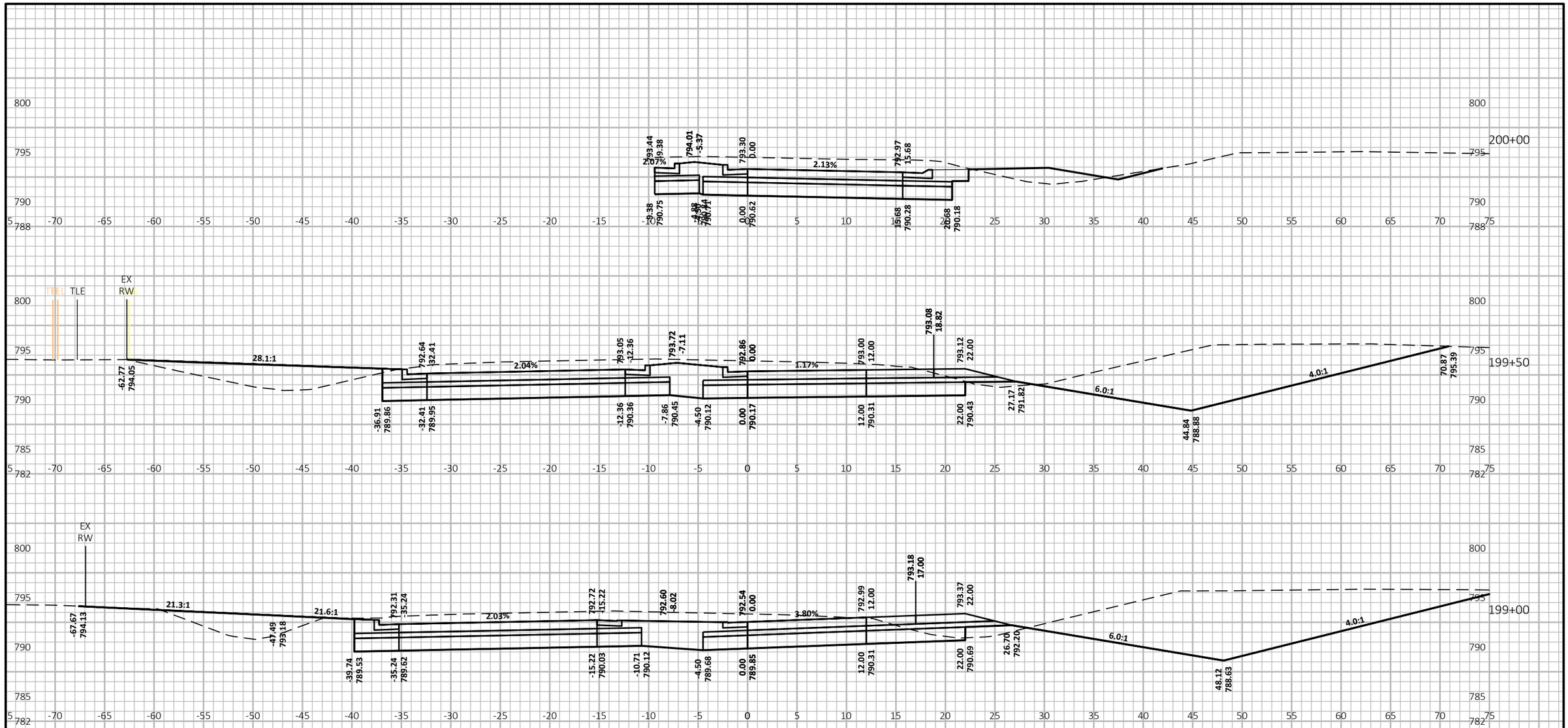
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090203-xs

PLOT DATE : 9/5/2023 1:30 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_204

WISDOT/CADDS SHEET 49



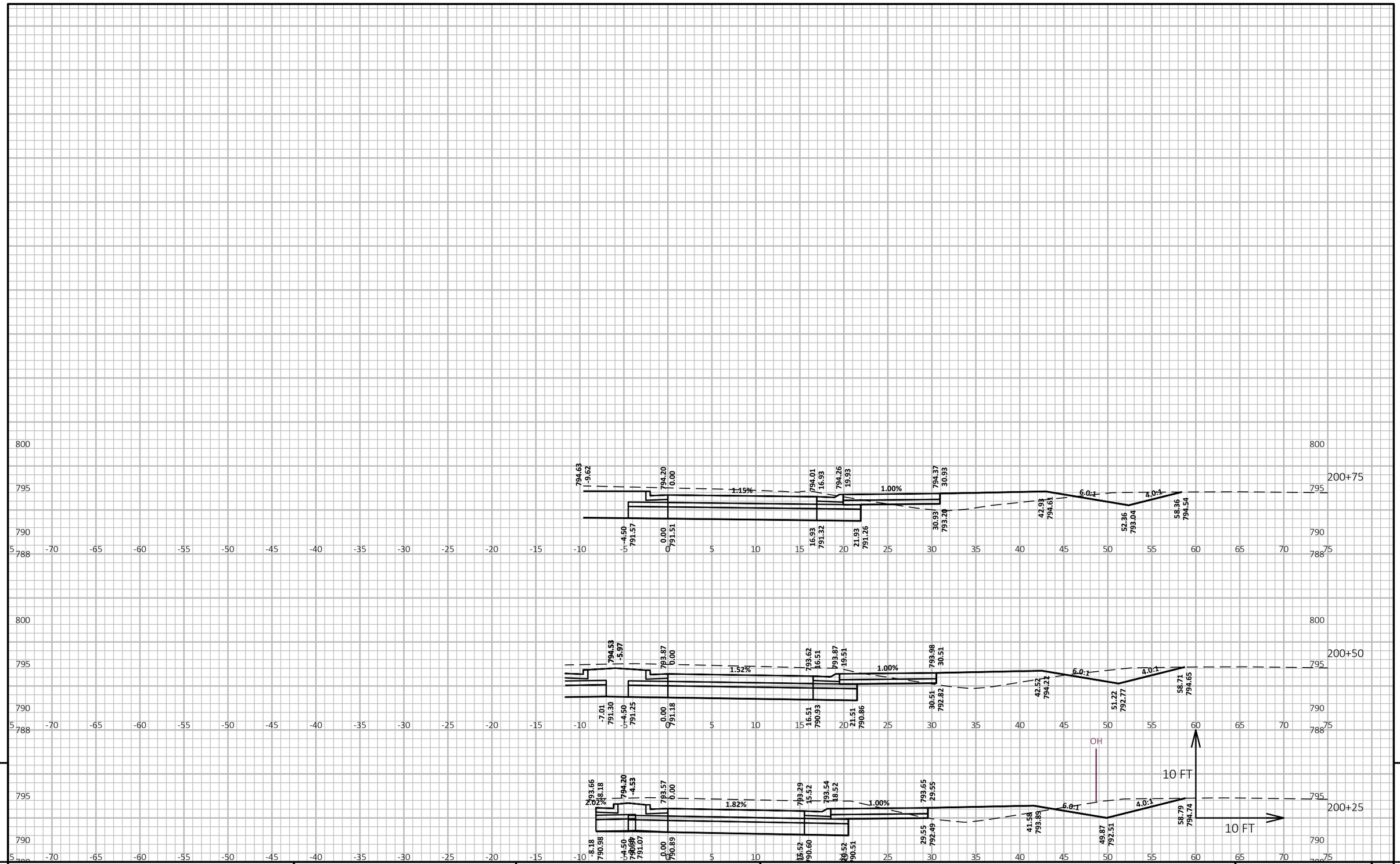
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090204-xs

PLOT DATE : 9/5/2023 1:30 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_205

WISDOT/CADDS SHEET 49



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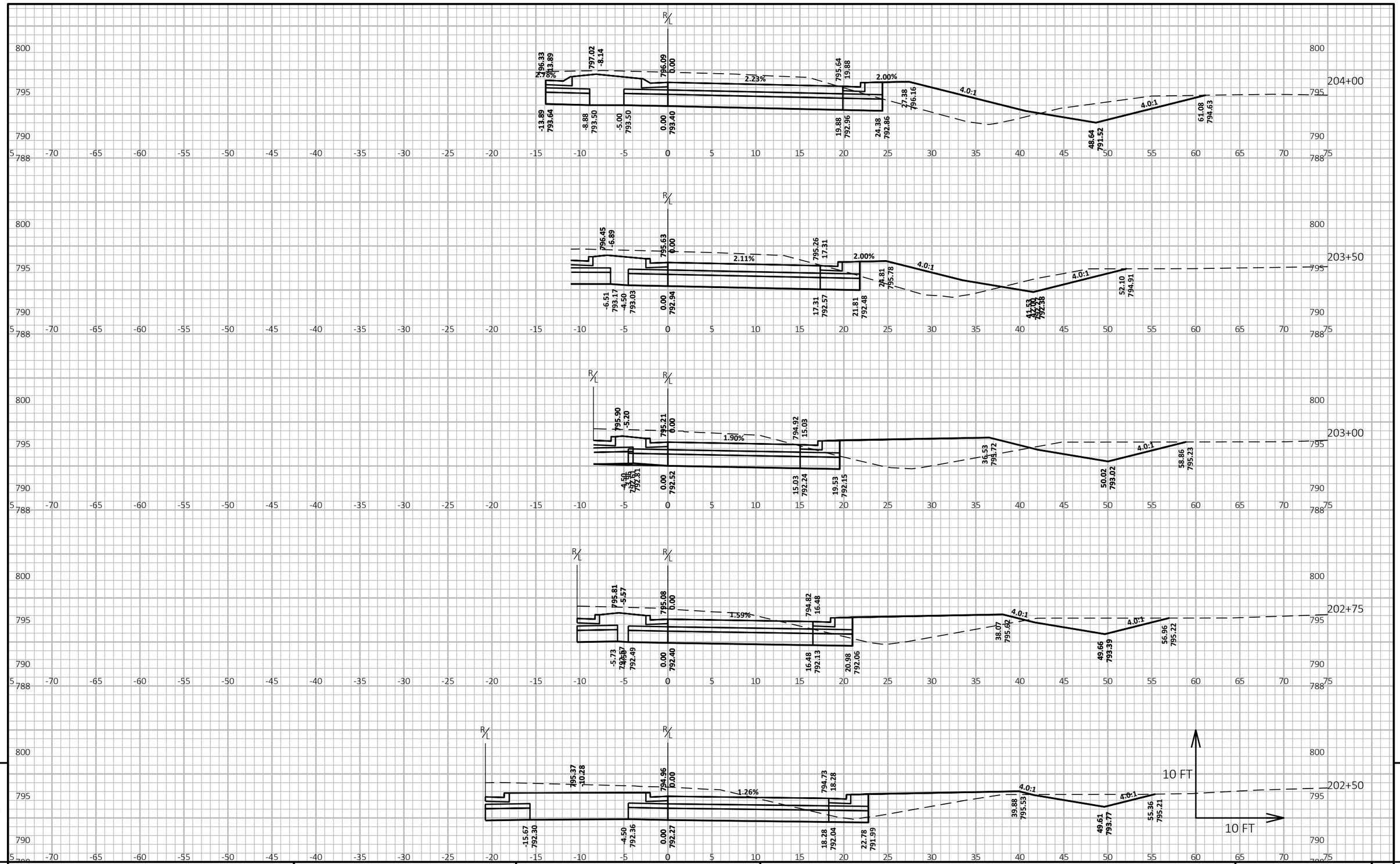
9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (CTH FF)	SHEET E

PRE_206

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090205-xs

PLOT DATE : 9/5/2023 1:30 PM PLOT BY : CRAIG KNUTH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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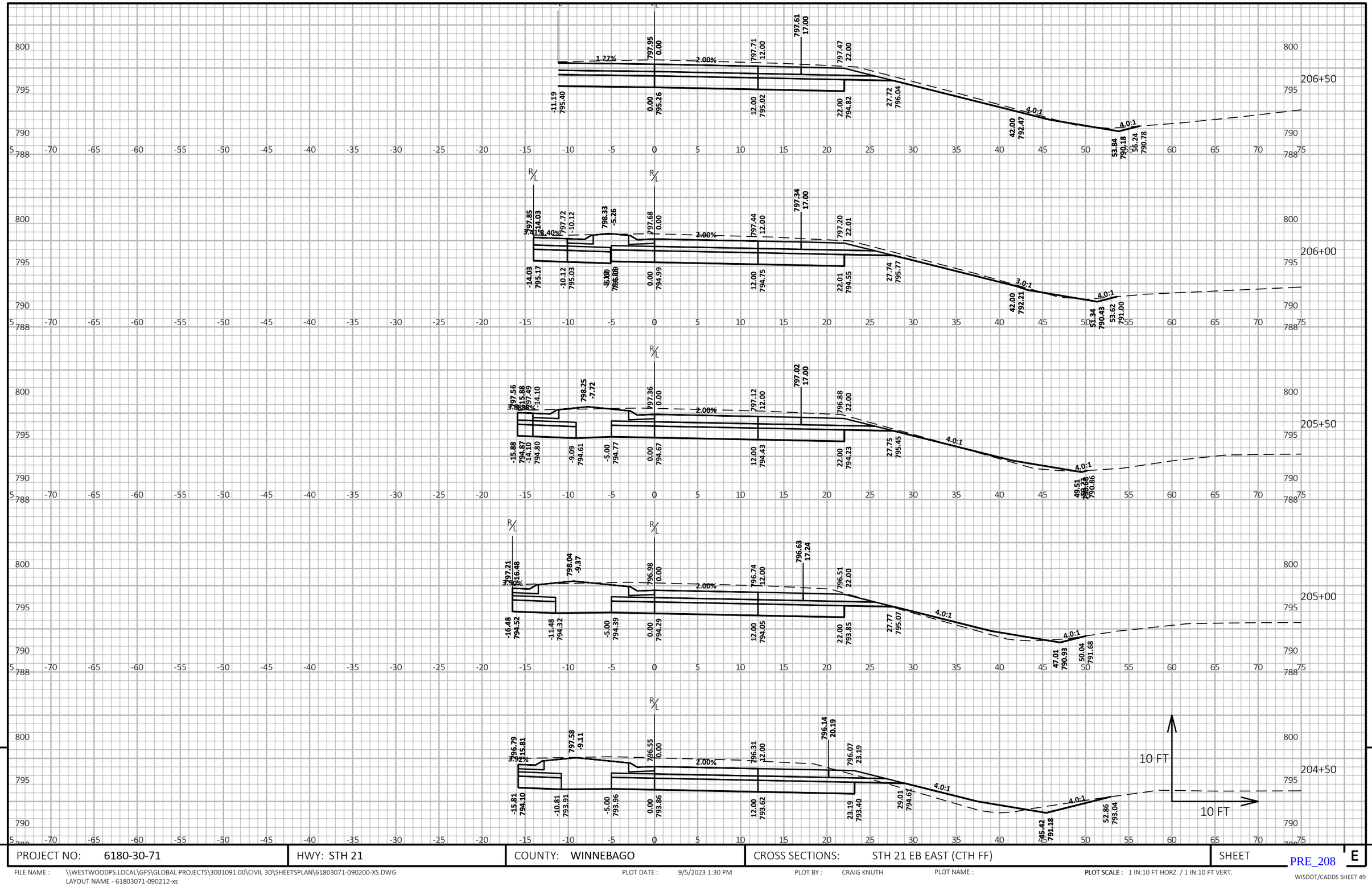
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (CTH FF)	SHEET E

PRE_207

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090211-xs

PLOT DATE : 9/5/2023 1:30 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

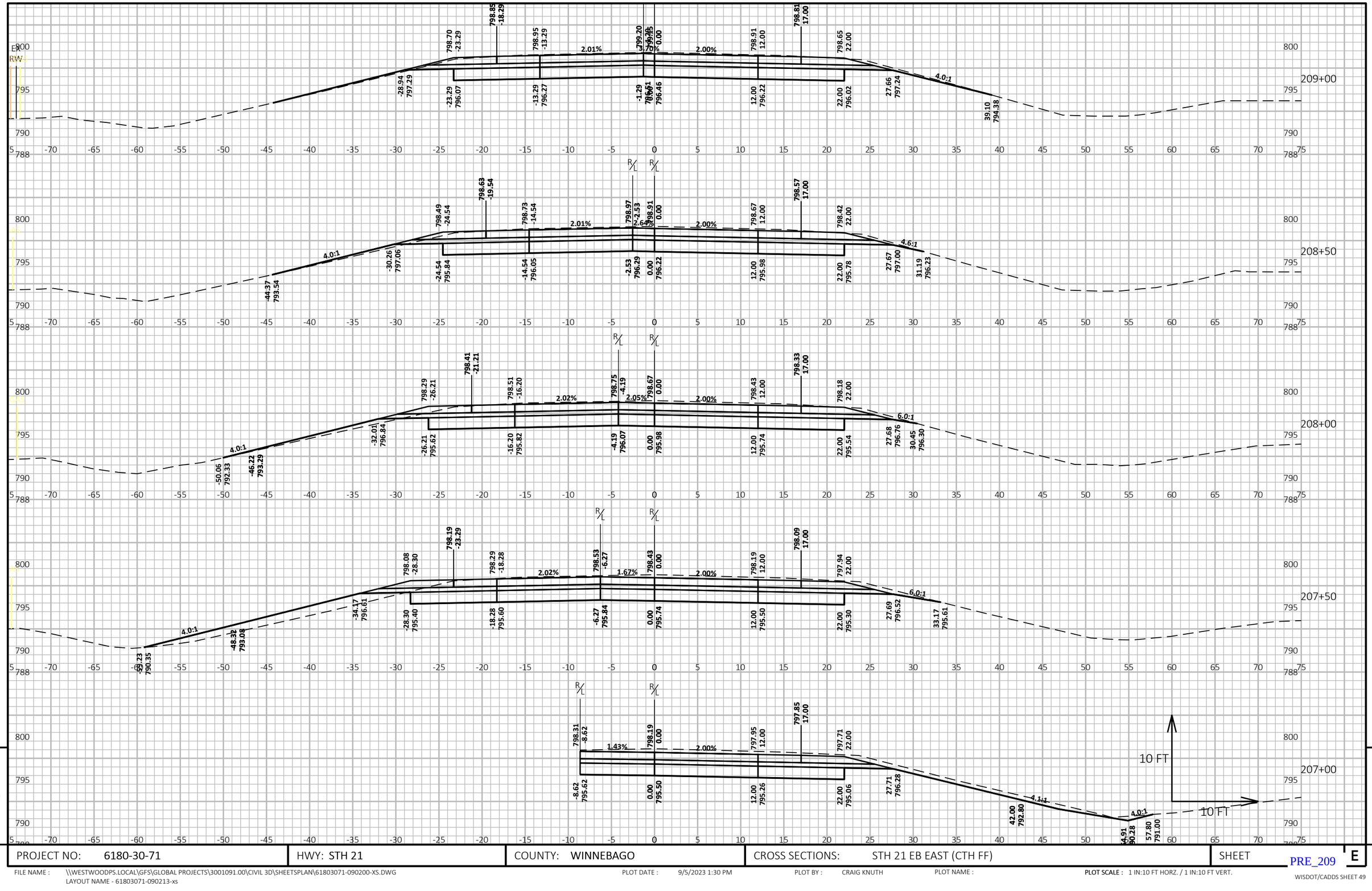


PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (CTH FF)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090212-xs

PLOT DATE : 9/5/2023 1:30 PM PLOT BY : CRAIG KNUTH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_208



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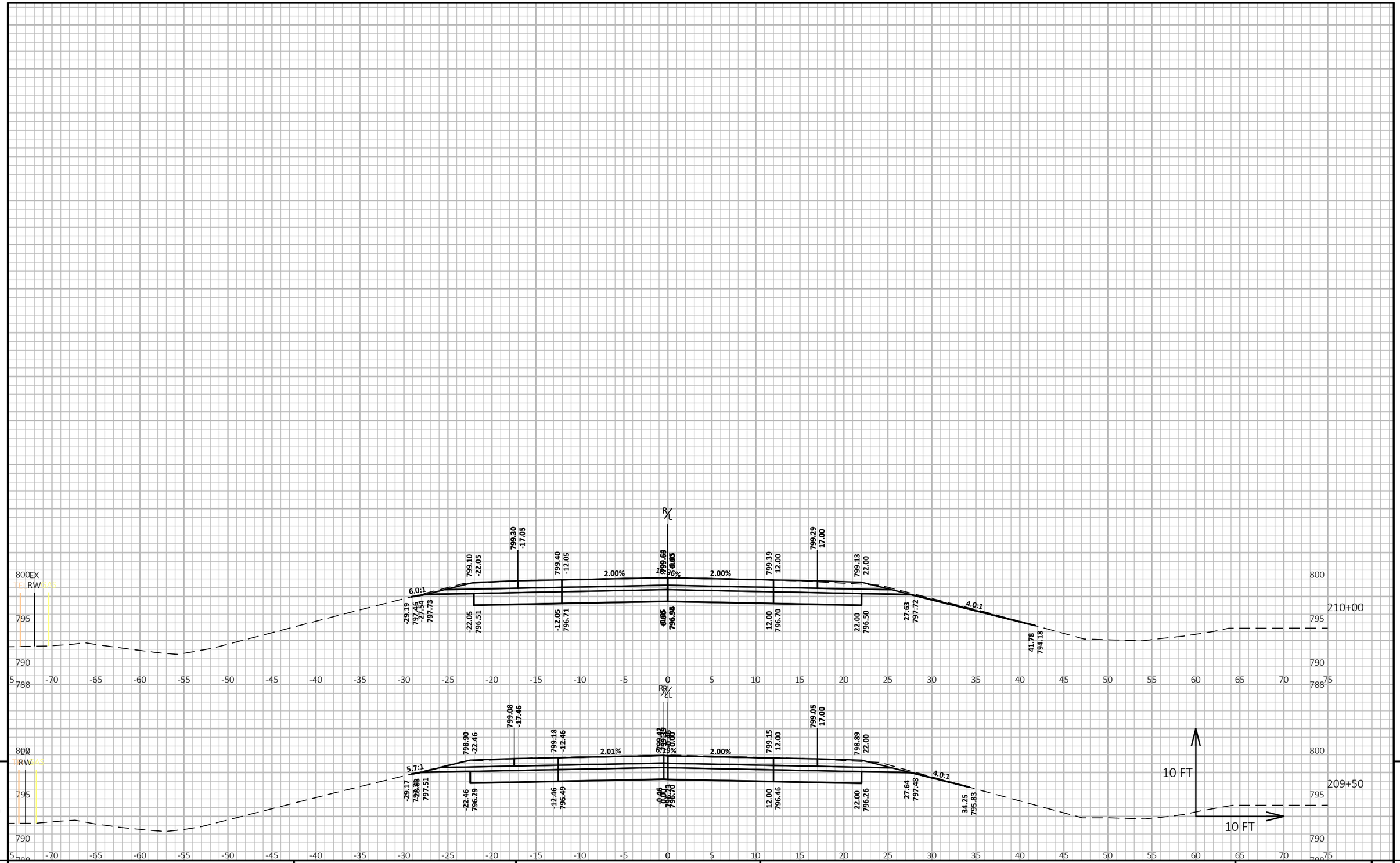
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (CTH FF)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090213-xs

PLOT DATE : 9/5/2023 1:30 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_209

WISDOT/CADDS SHEET 49



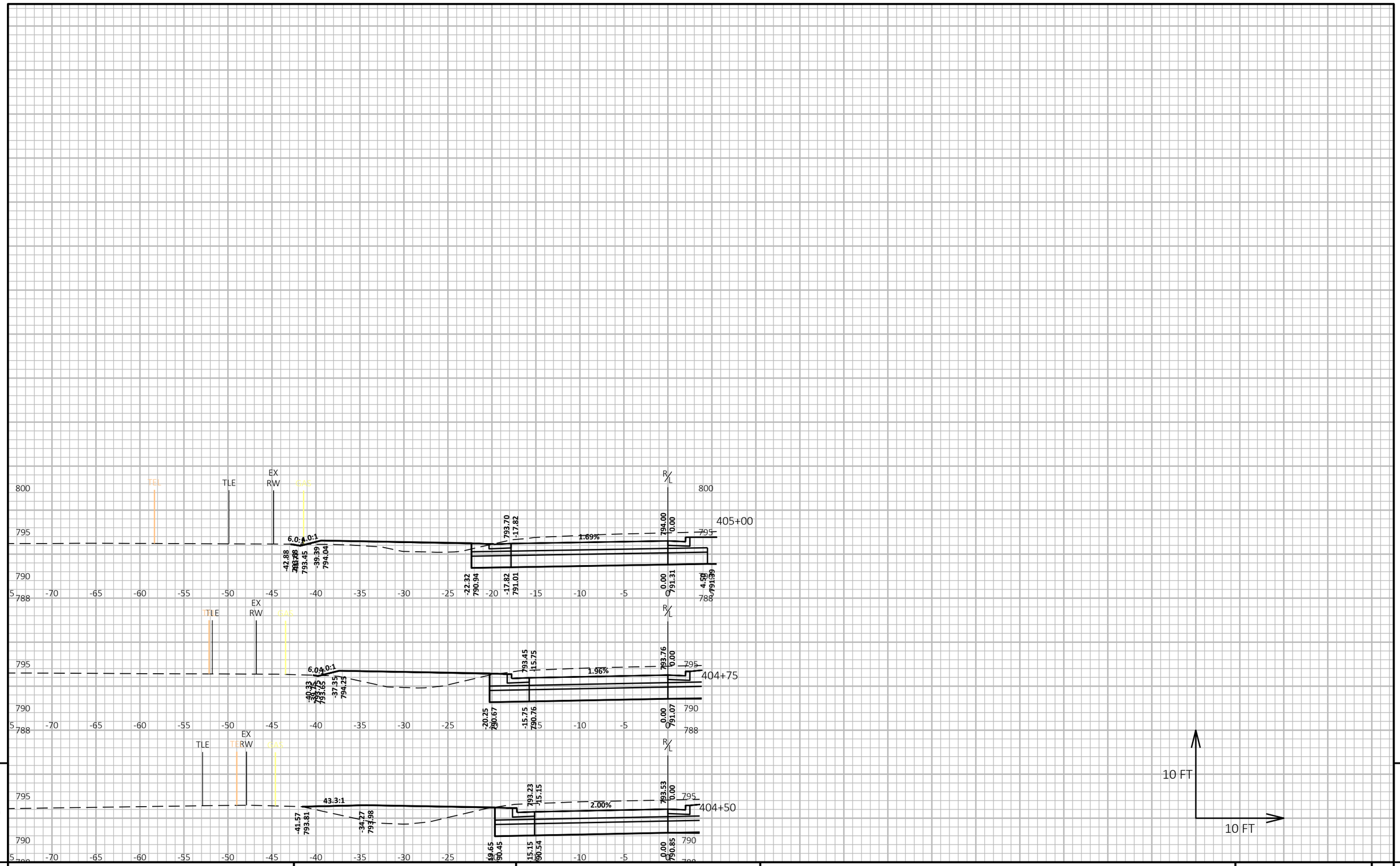
9 9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (CTH FF)	SHEET PRE_210 E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090214-xs

PLOT DATE : 9/5/2023 1:31 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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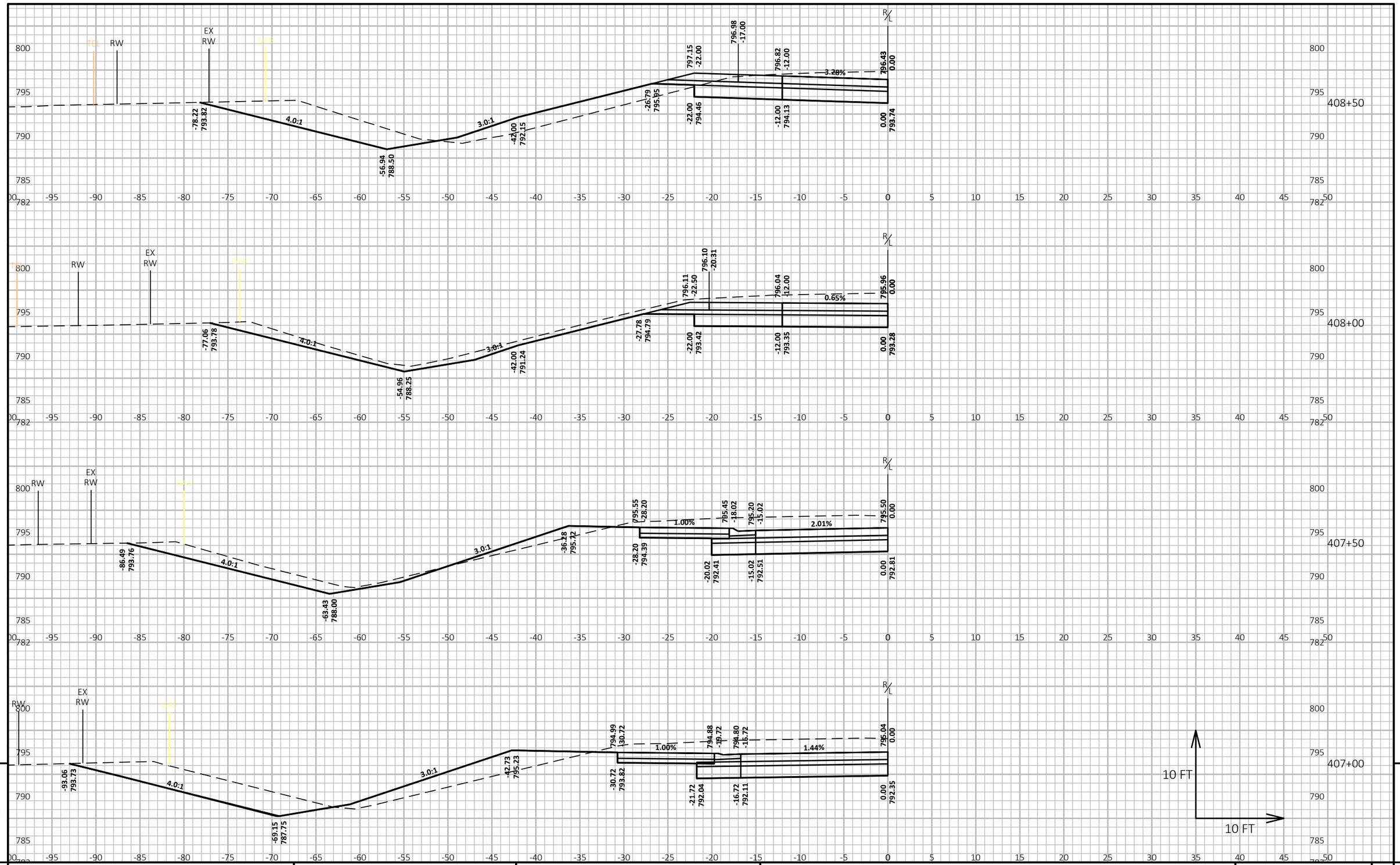
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB WEST (CTH FF)	SHEET E

PRE_211

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090221-xs

PLOT DATE : 9/5/2023 1:31 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



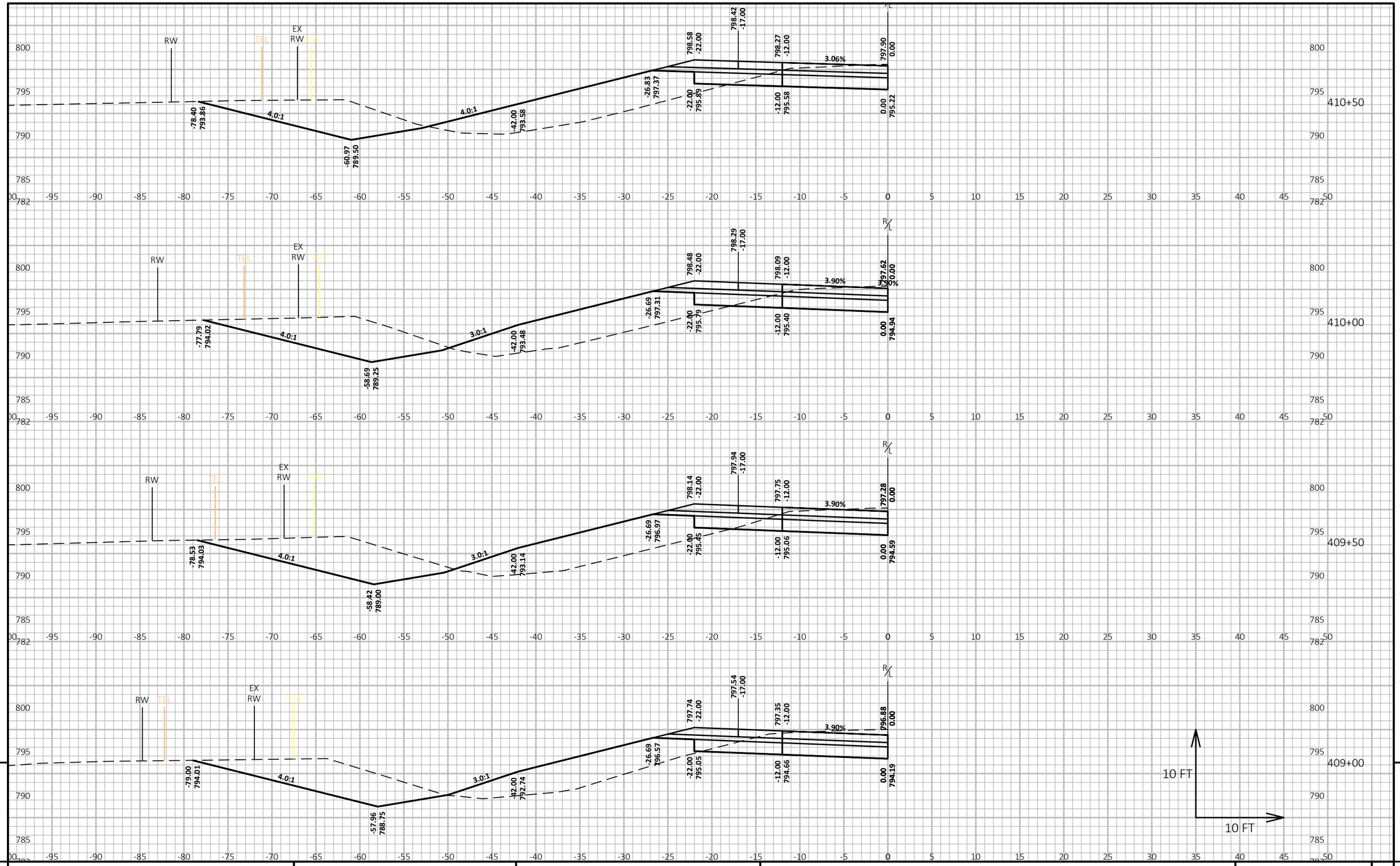
9 9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (CTH FF)	SHEET E

PRE_212

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090231-xs

PLOT DATE : 9/5/2023 1:31 PM PLOT BY : CRAIG KNUTH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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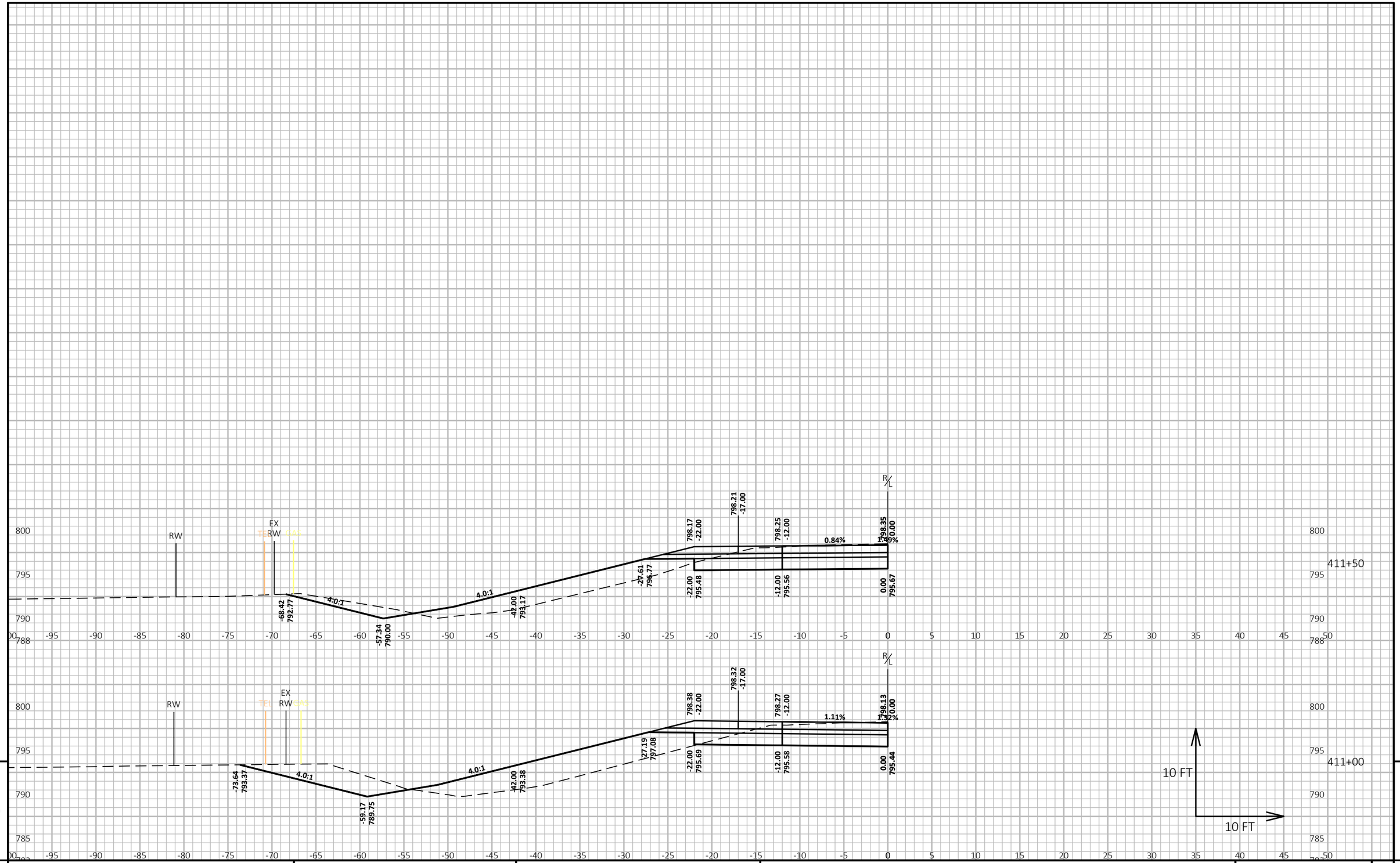
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (CTH FF)	SHEET E

PRE_213

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090232-xs

PLOT DATE : 9/5/2023 1:31 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



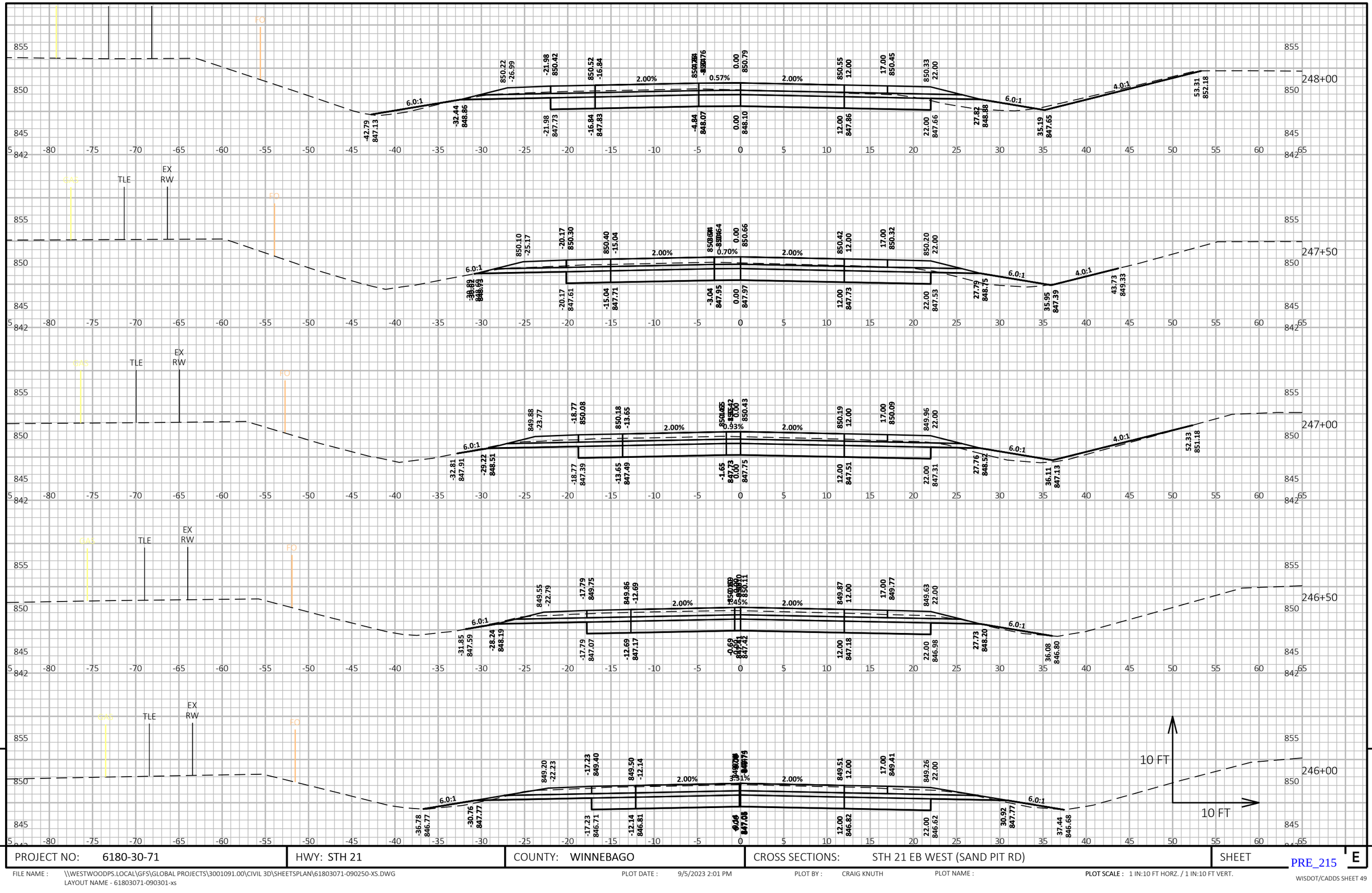
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (CTH FF)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090233-xs

PLOT DATE : 9/5/2023 1:31 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_214

WISDOT/CADDS SHEET 49



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (SAND PIT RD)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090301-xs

PLOT DATE : 9/5/2023 2:01 PM

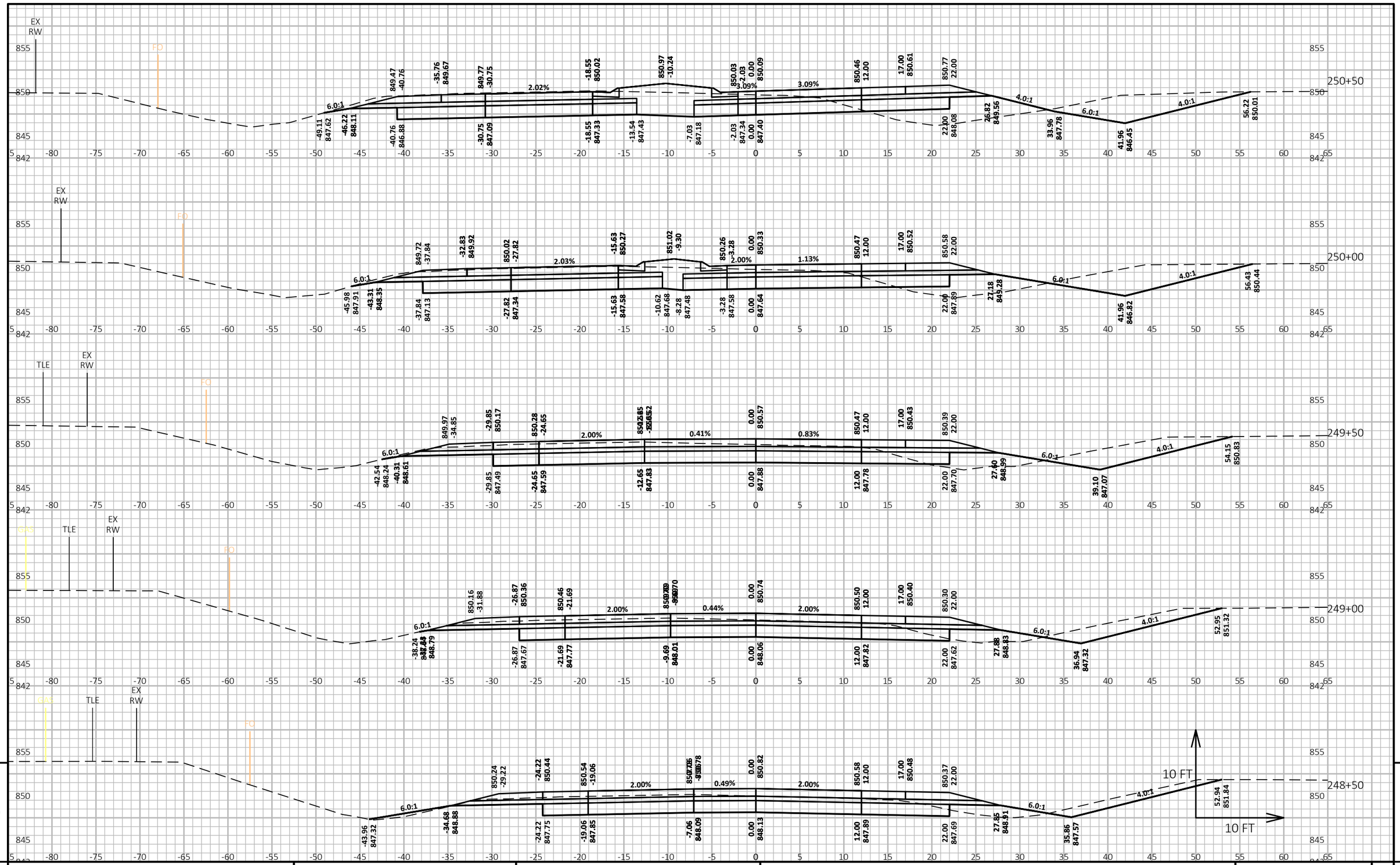
PLOT BY : CRAIG KNUTH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_215

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (SAND PIT RD)	SHEET E

PRE_216

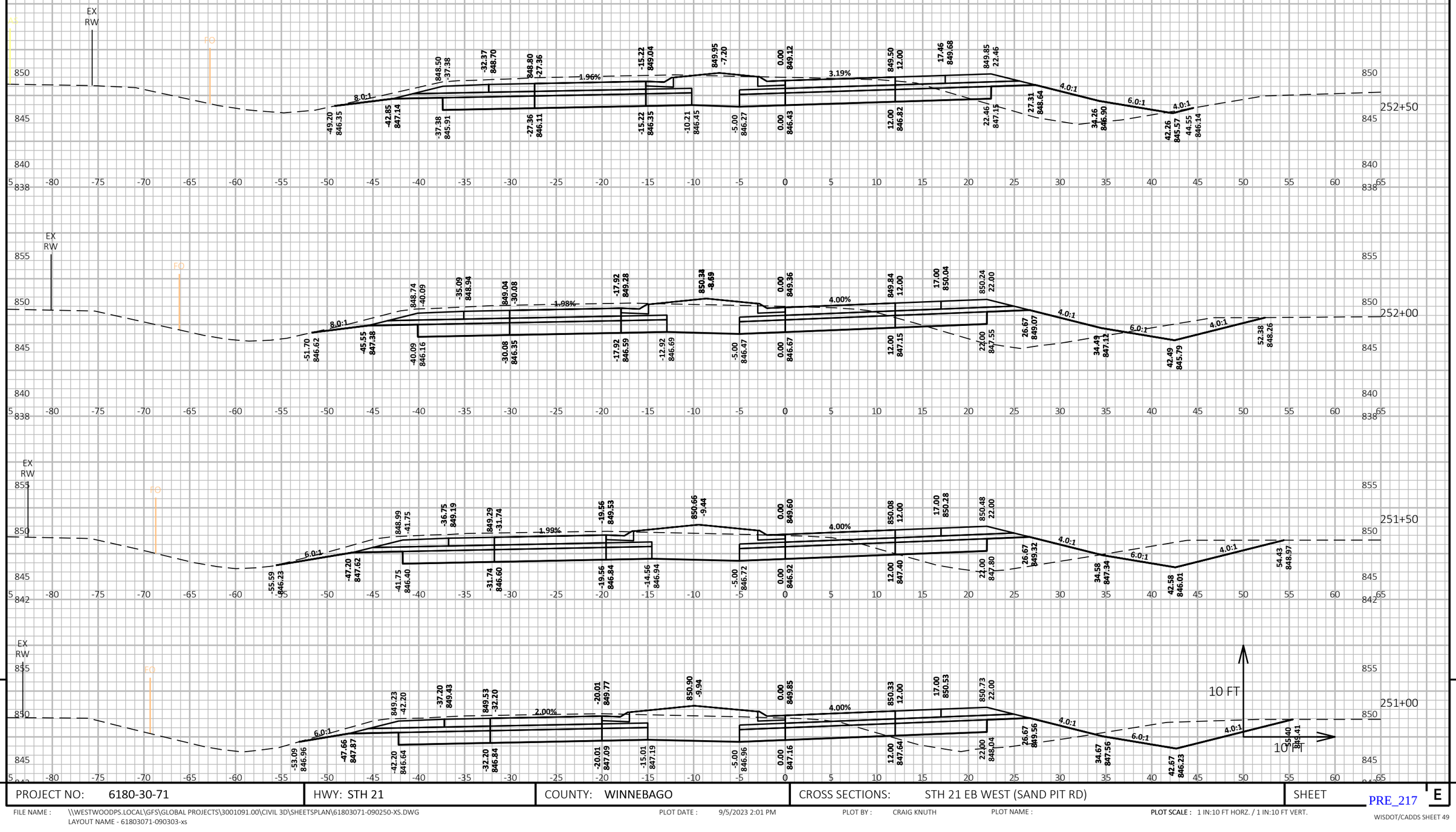
FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090302-xs

PLOT DATE : 9/5/2023 2:01 PM

PLOT BY : CRAIG KNUTH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

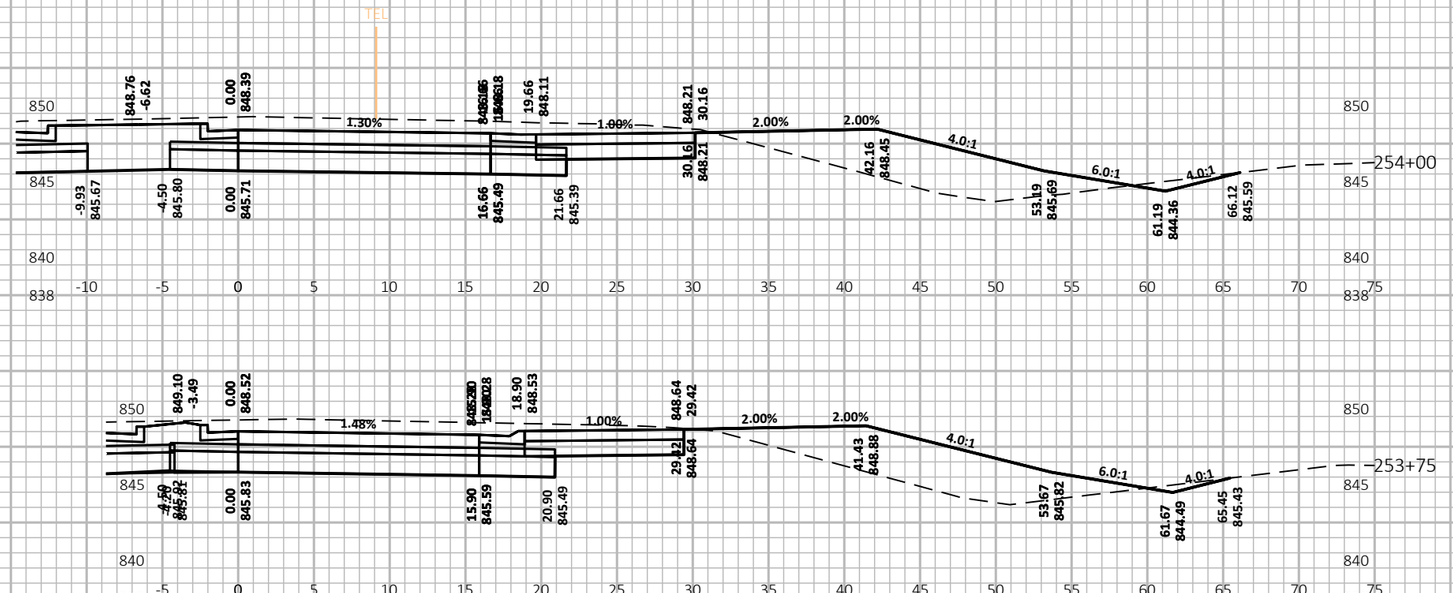
9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (SAND PIT RD)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090303-xs

PLOT DATE : 9/5/2023 2:01 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_217



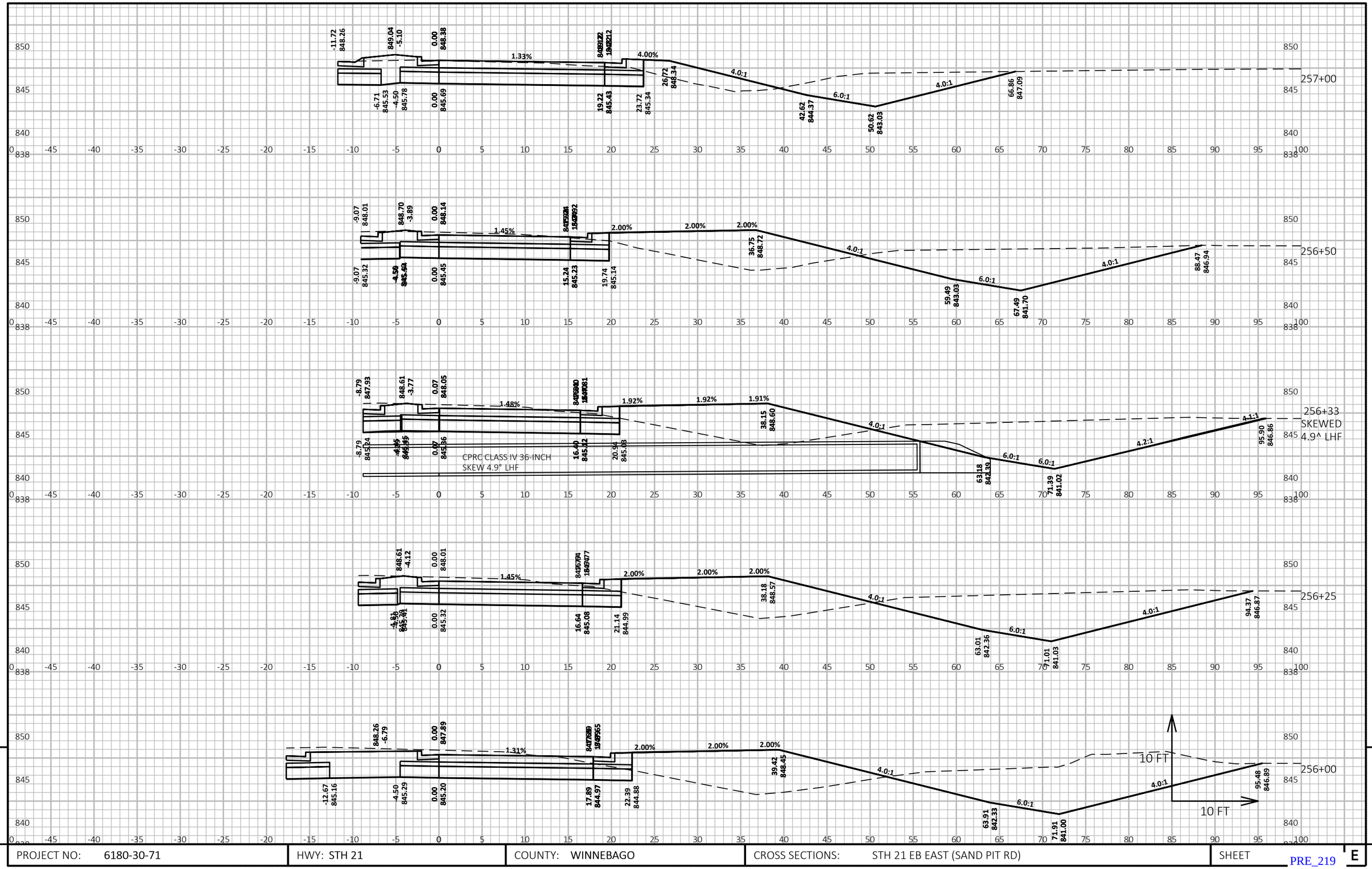
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB WEST (SAND PIT RD)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090304-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_218

WISDOT/CADDS SHEET 49



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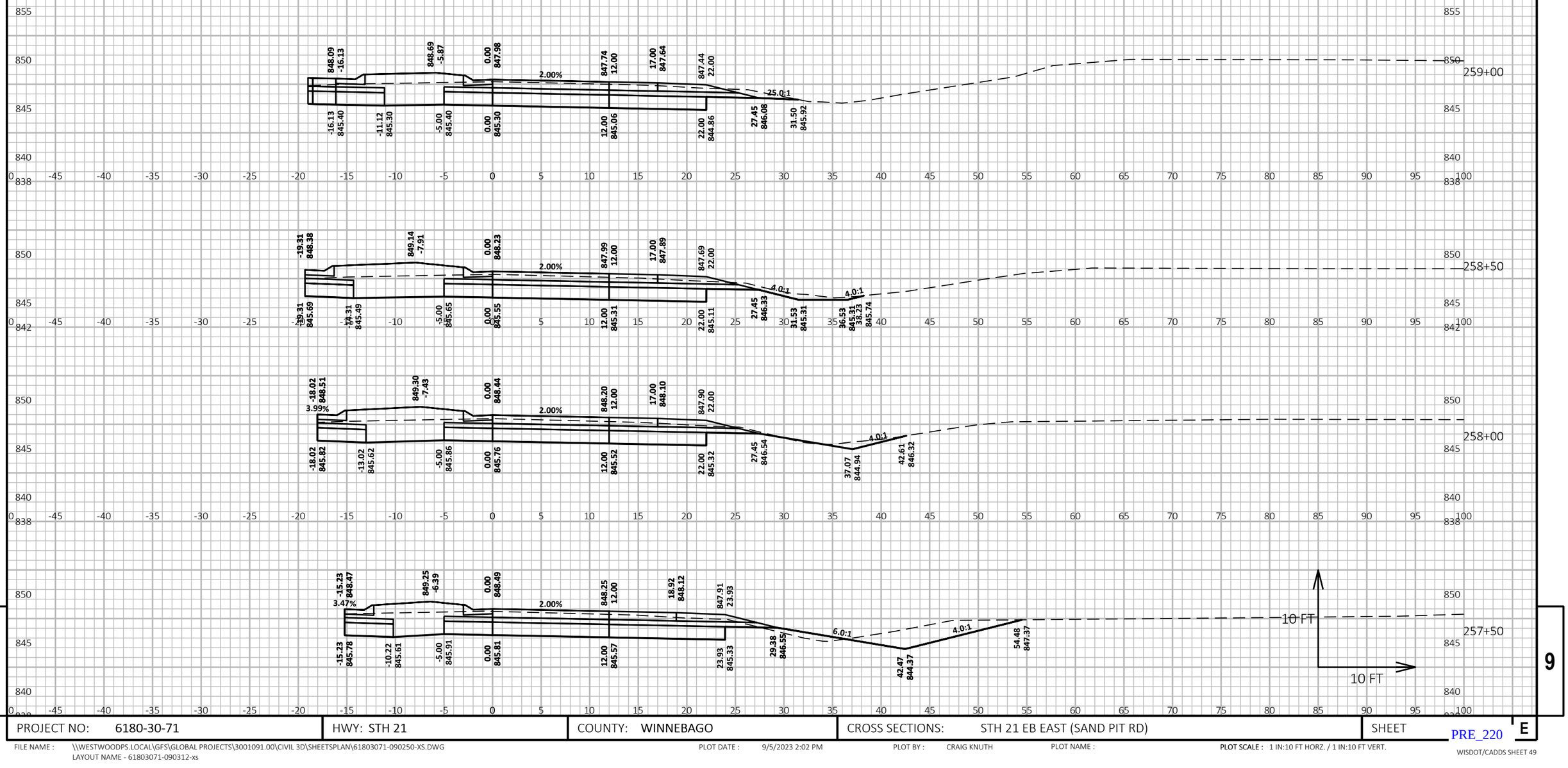
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090311-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_219

WISDOT/CADDS SHEET 49



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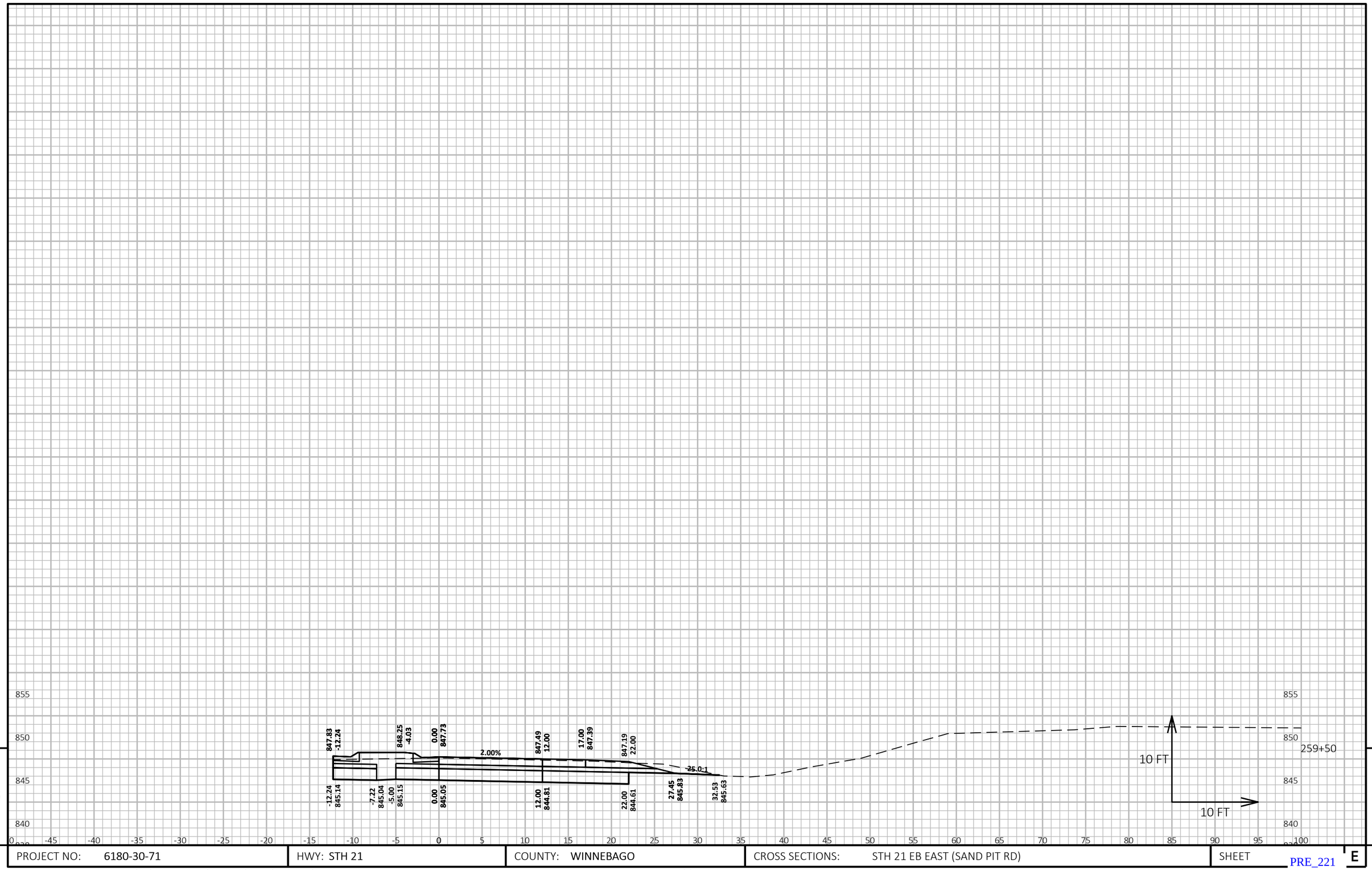
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET	E

PRE_220

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090312-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



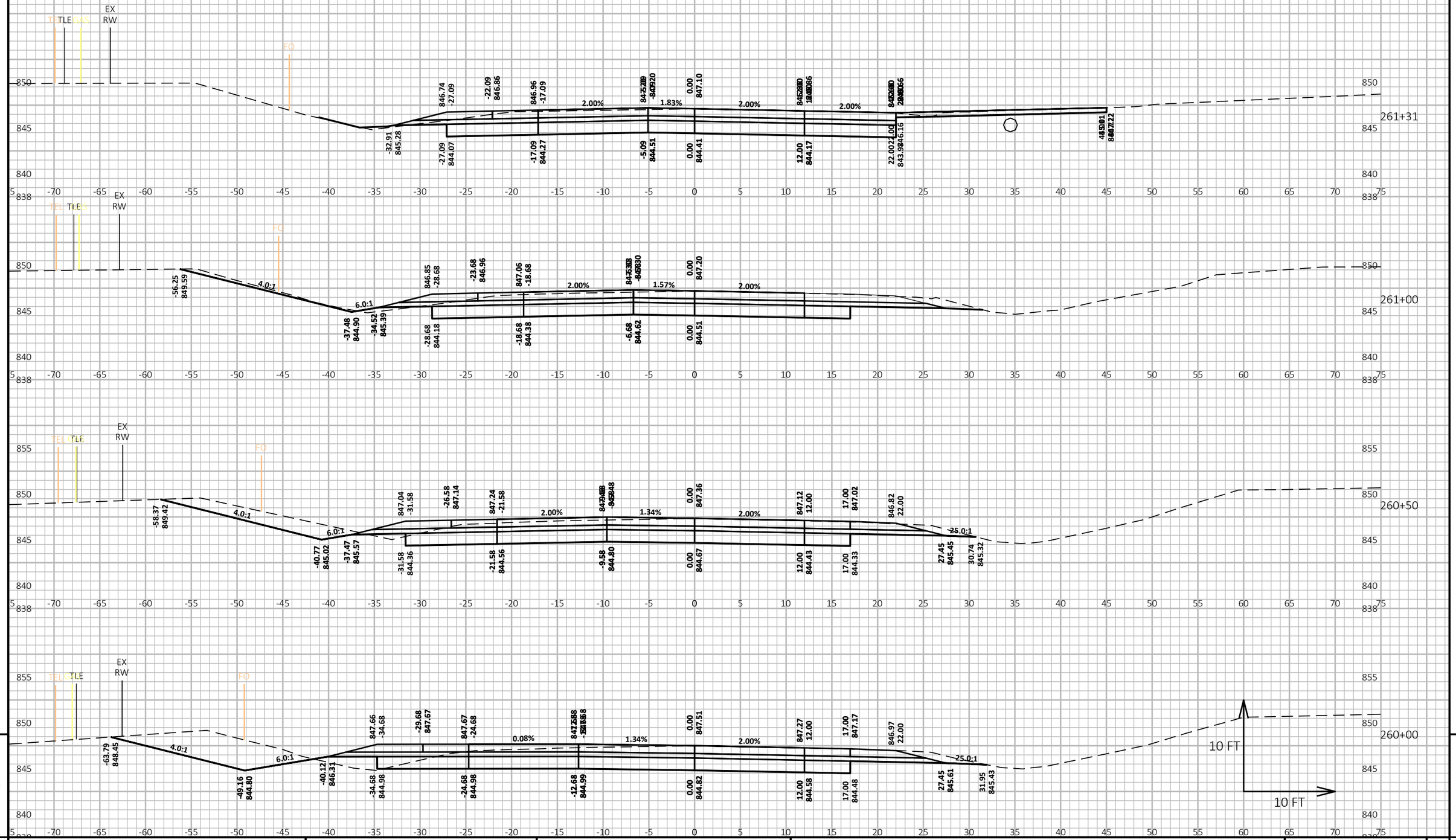
9 9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET E

PRE_221

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090313-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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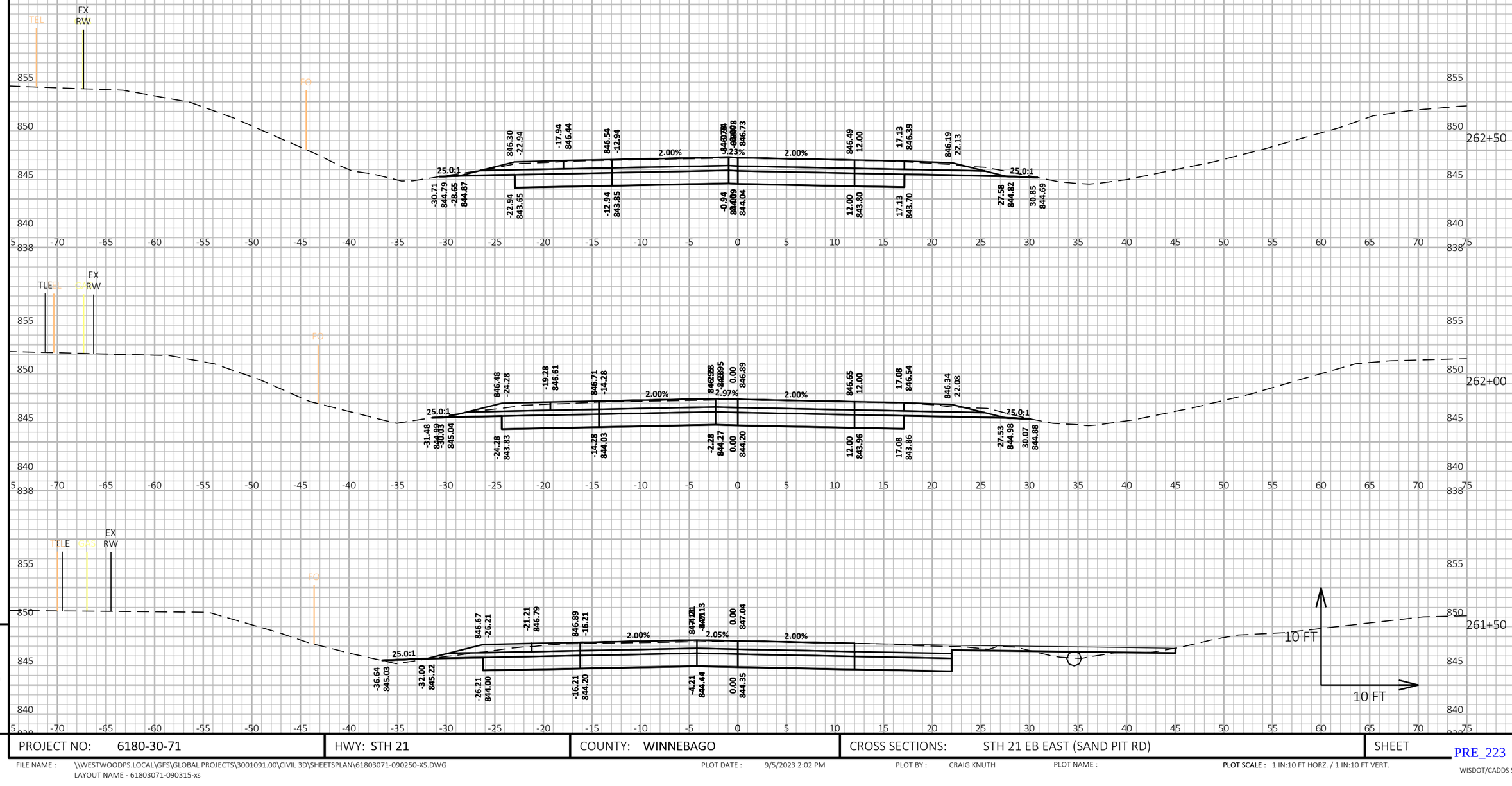
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET E

PRE_222

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090314-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090315-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_223

WISDOT/CADDS SHEET 49

EX
RW

FO

263+41

25.0:1 2.00% 2.00% 25.0:1

-32.03 844.38 | -28.63 844.52 | -19.83 843.36 | 845.99 -19.83 | -14.83 846.15 | -12.00 843.52 | 846.20 -12.00 | 0.00 843.76 | 0.00 846.44 | 12.00 843.52 | 846.20 12.00 | -15.38 843.45 | 15.38 846.14 | 845.94 20.38 | 28.91 844.51 | 32.22 844.38

GAS

EX
RW

FO

263+00

10 FT

10 FT

25.0:1 2.00% 2.00% 25.0:1

-30.57 844.59 | -27.85 844.70 | -22.19 843.48 | 846.11 -22.19 | -17.19 846.26 | -12.19 843.68 | 846.36 -12.19 | 12.00 843.65 | 846.33 12.00 | 17.01 843.55 | 17.01 846.23 | 846.03 22.01 | 27.46 844.67 | 31.86 844.49

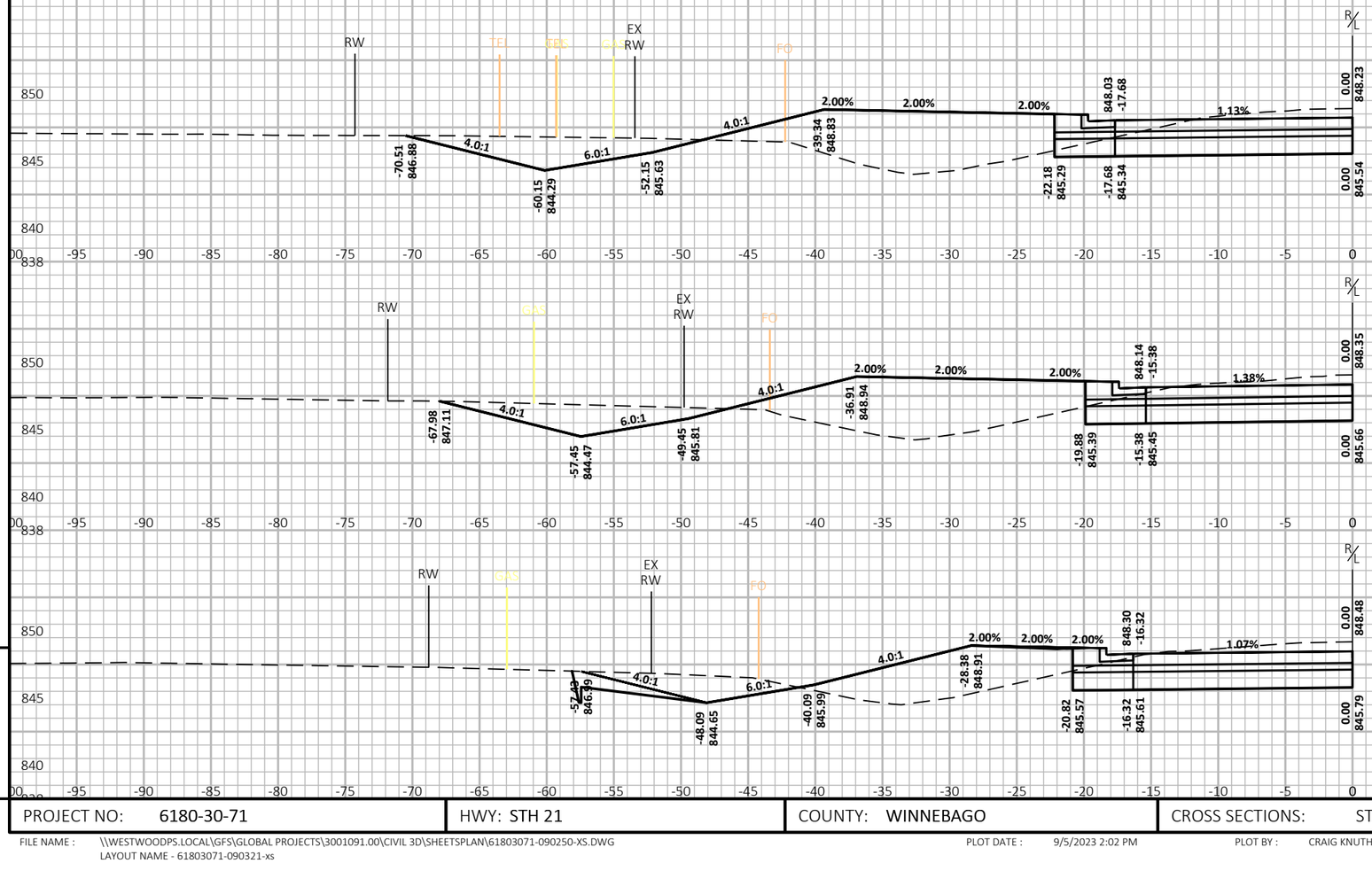
9 9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 EB EAST (SAND PIT RD)	SHEET E

PRE_224

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090316-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

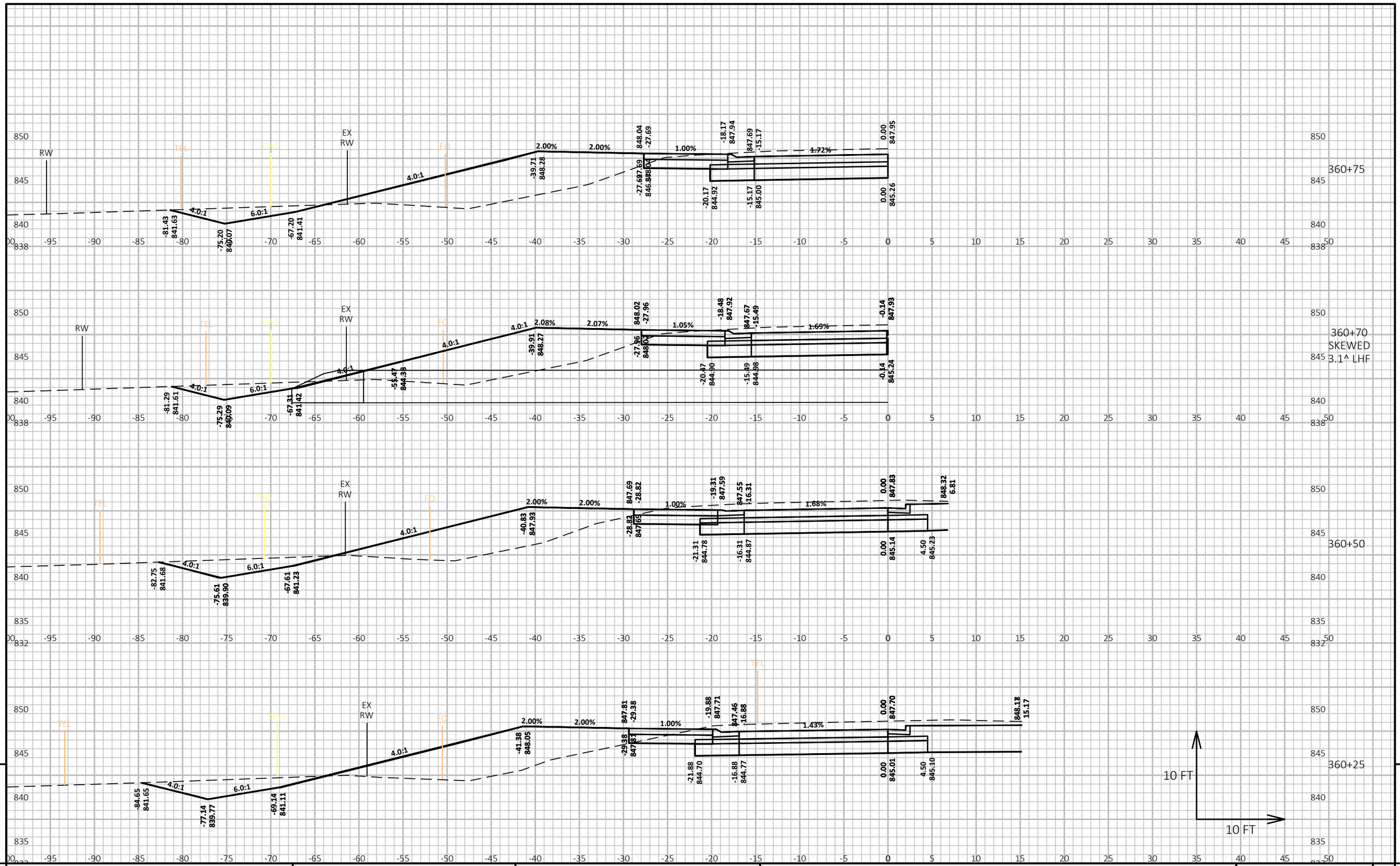
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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB WEST (SAND PIT RD)	SHEET E

PRE_225

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090321-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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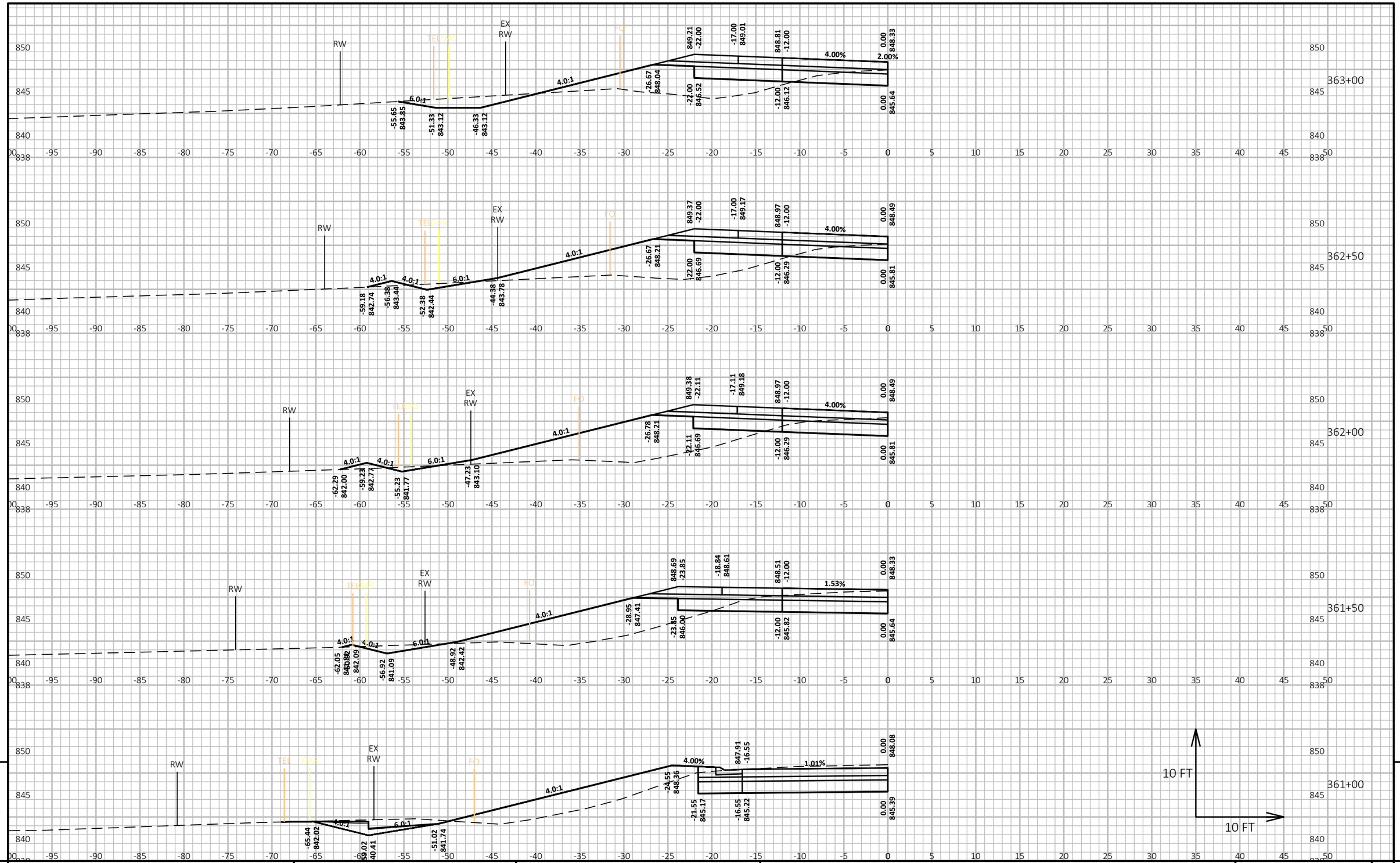
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (SAND PIT RD)	SHEET E

PRE_226

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090331-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9 9

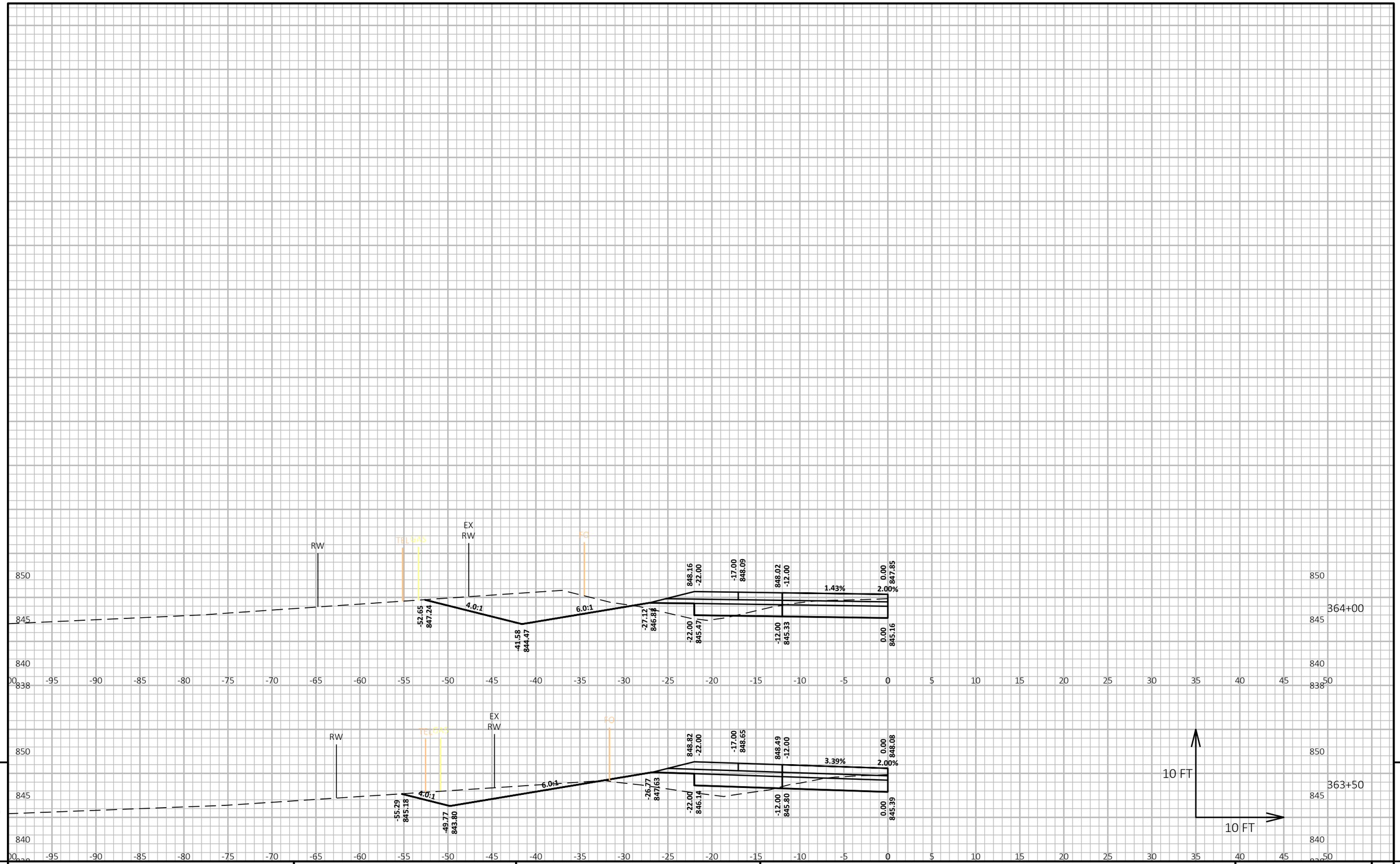
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (SAND PIT RD)	SHEET E

PRE_227

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090332-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: STH 21 WB EAST (SAND PIT RD)	SHEET PRE_228 E

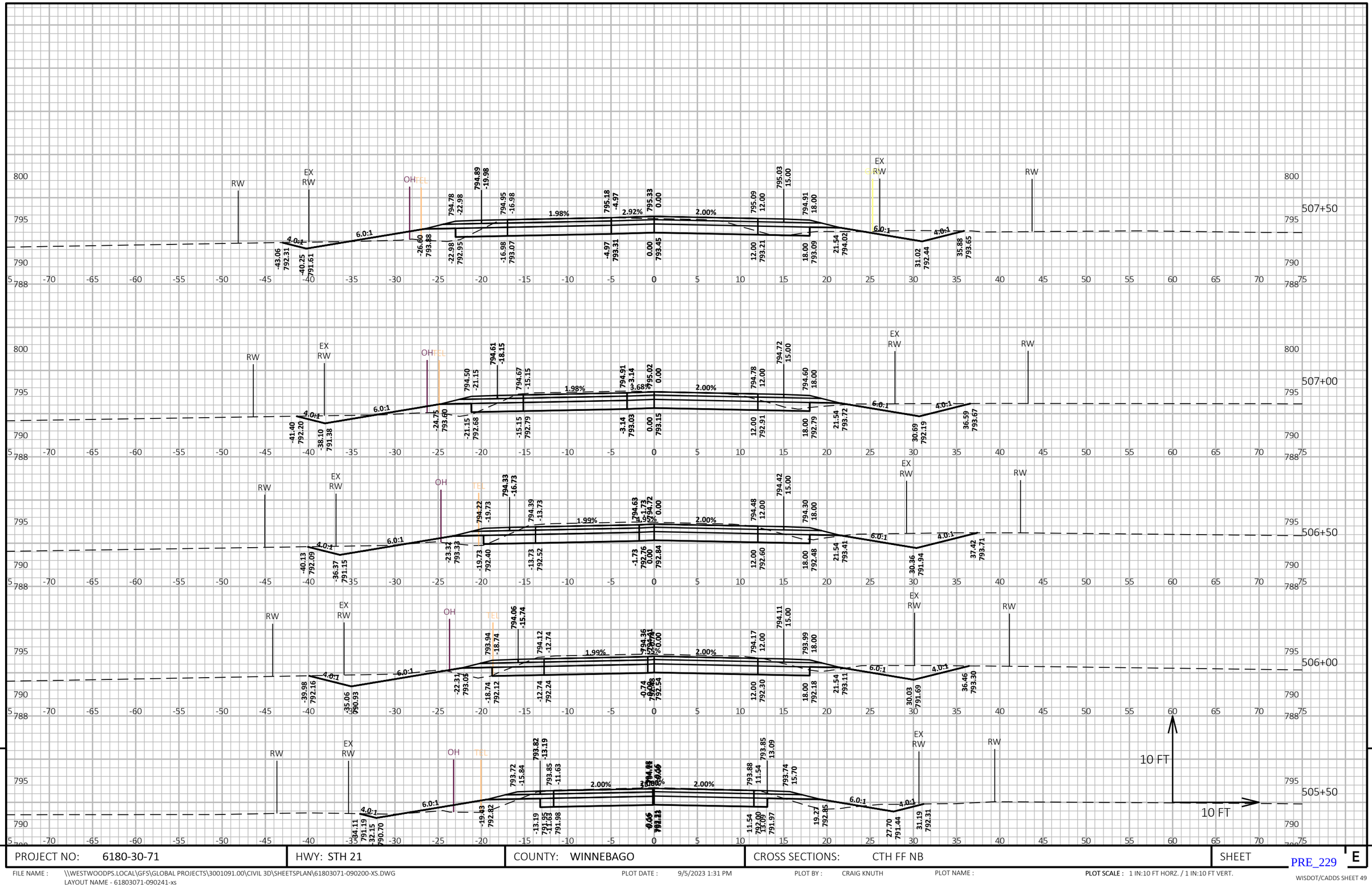
FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090333-xs

PLOT DATE : 9/5/2023 2:02 PM

PLOT BY : CRAIG KNUTH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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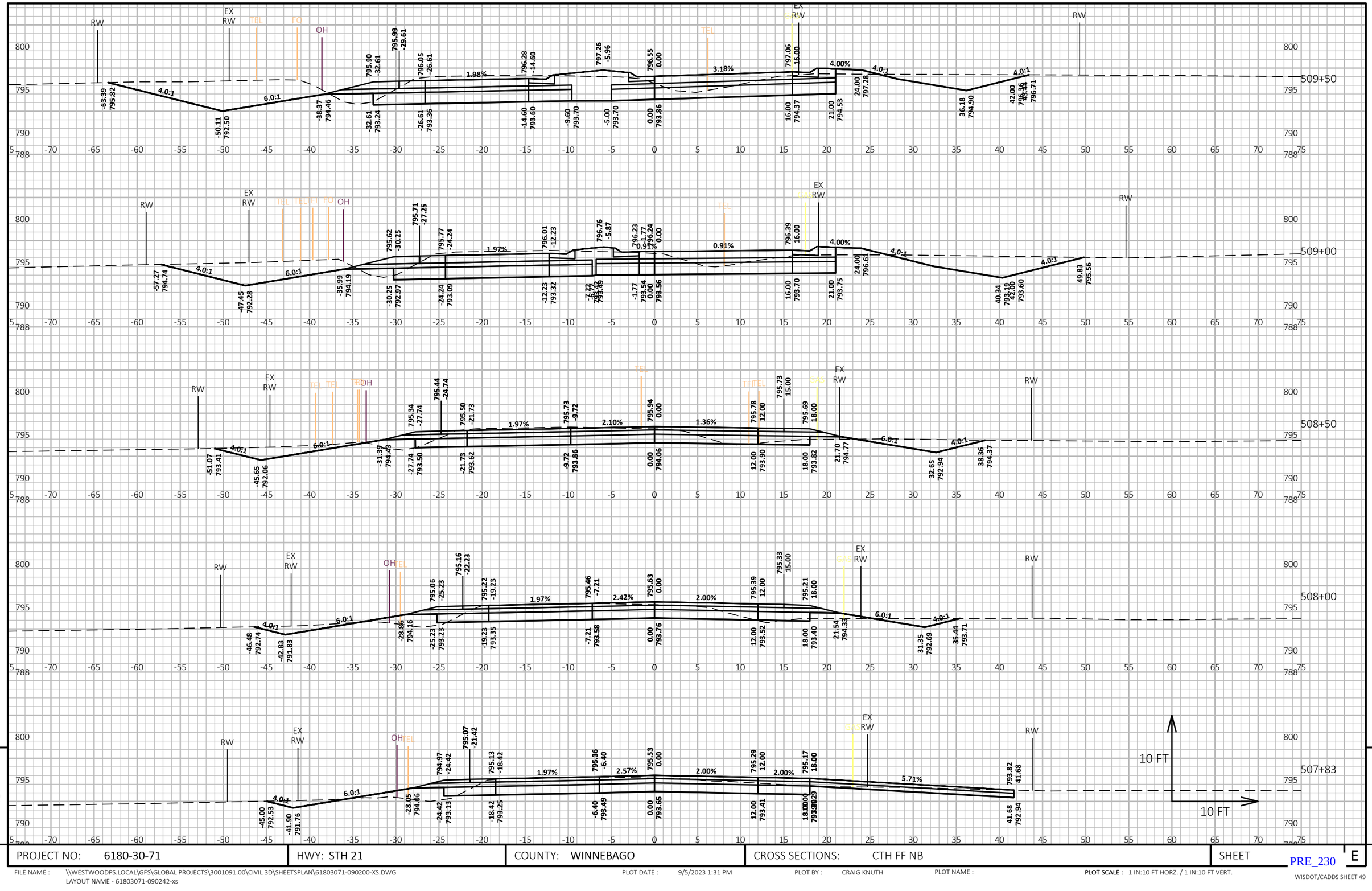
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF NB	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090241-xs

PLOT DATE : 9/5/2023 1:31 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_229

WISDOT/CADDS SHEET 49



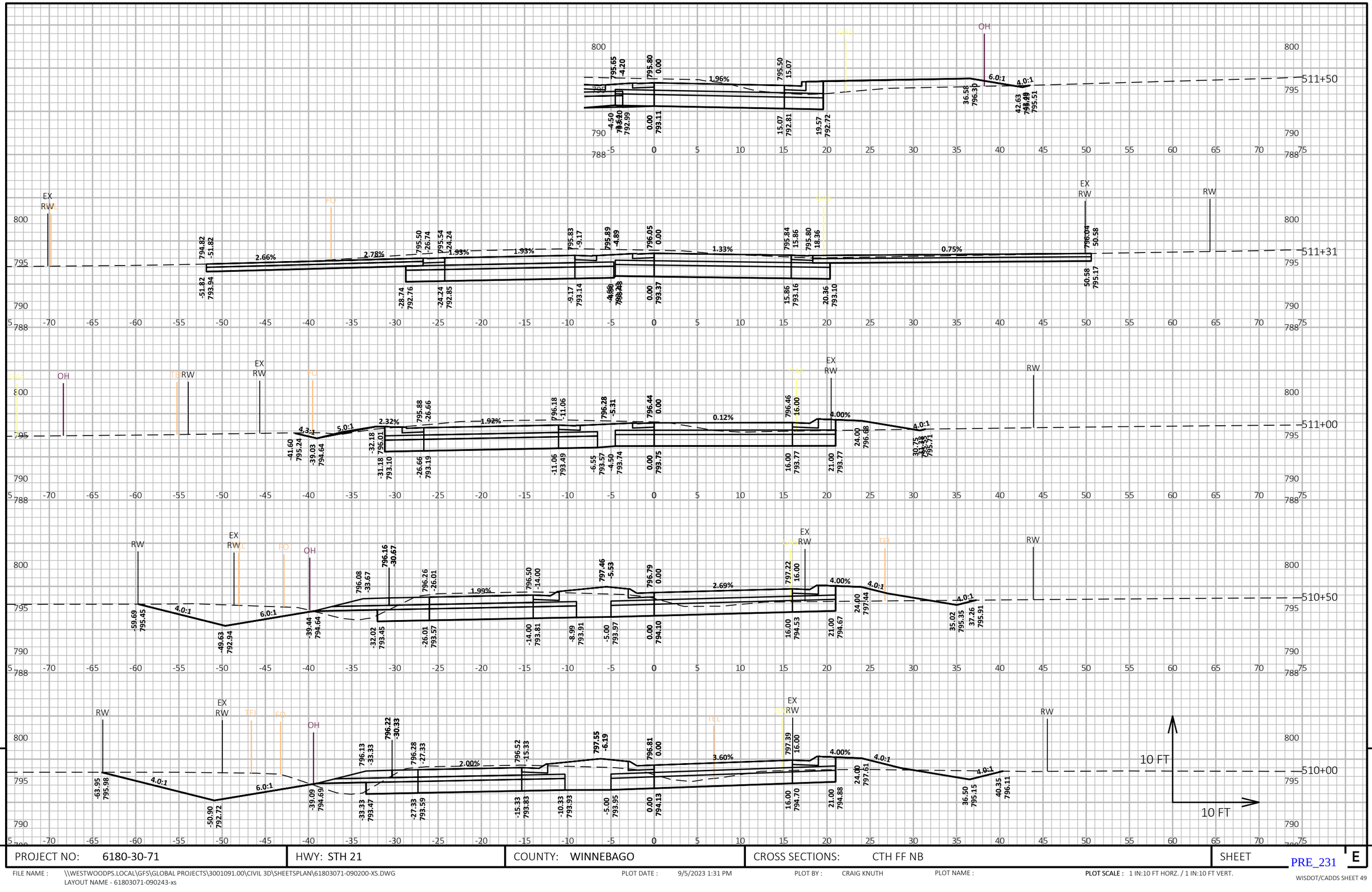
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF NB	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090242-xs

PLOT DATE : 9/5/2023 1:31 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_230

WISDOT/CADDS SHEET 49



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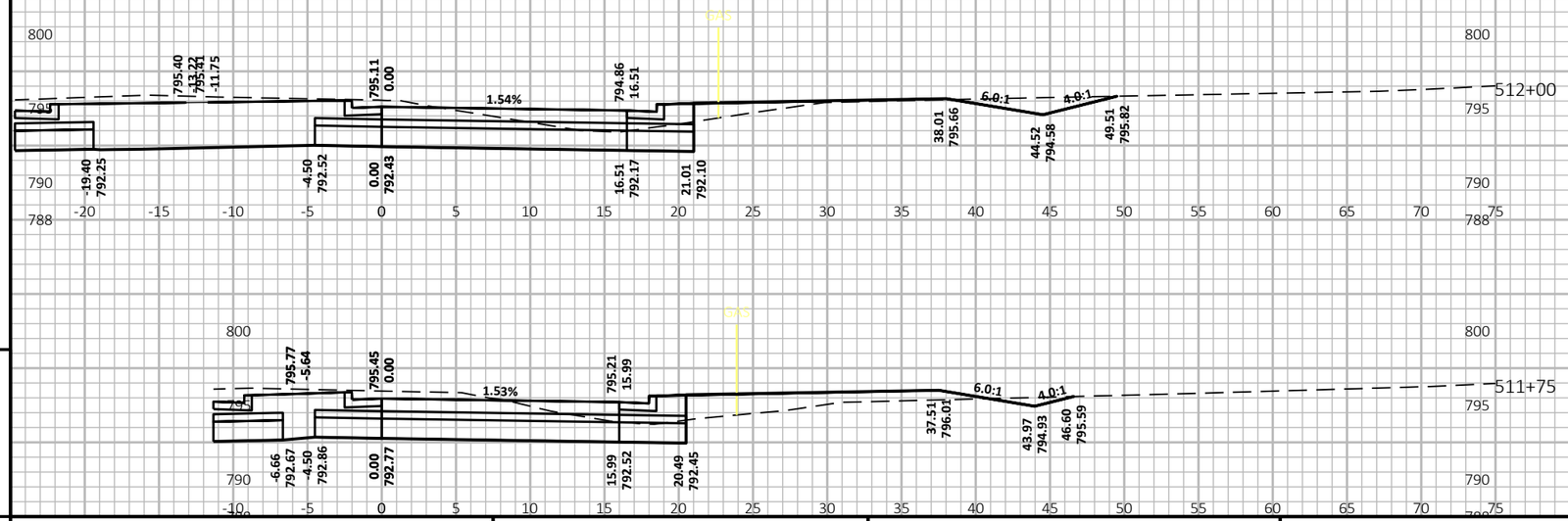
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF NB	SHEET E

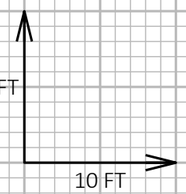
FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090243-xs

PLOT DATE : 9/5/2023 1:31 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_231

WISDOT/CADDS SHEET 49





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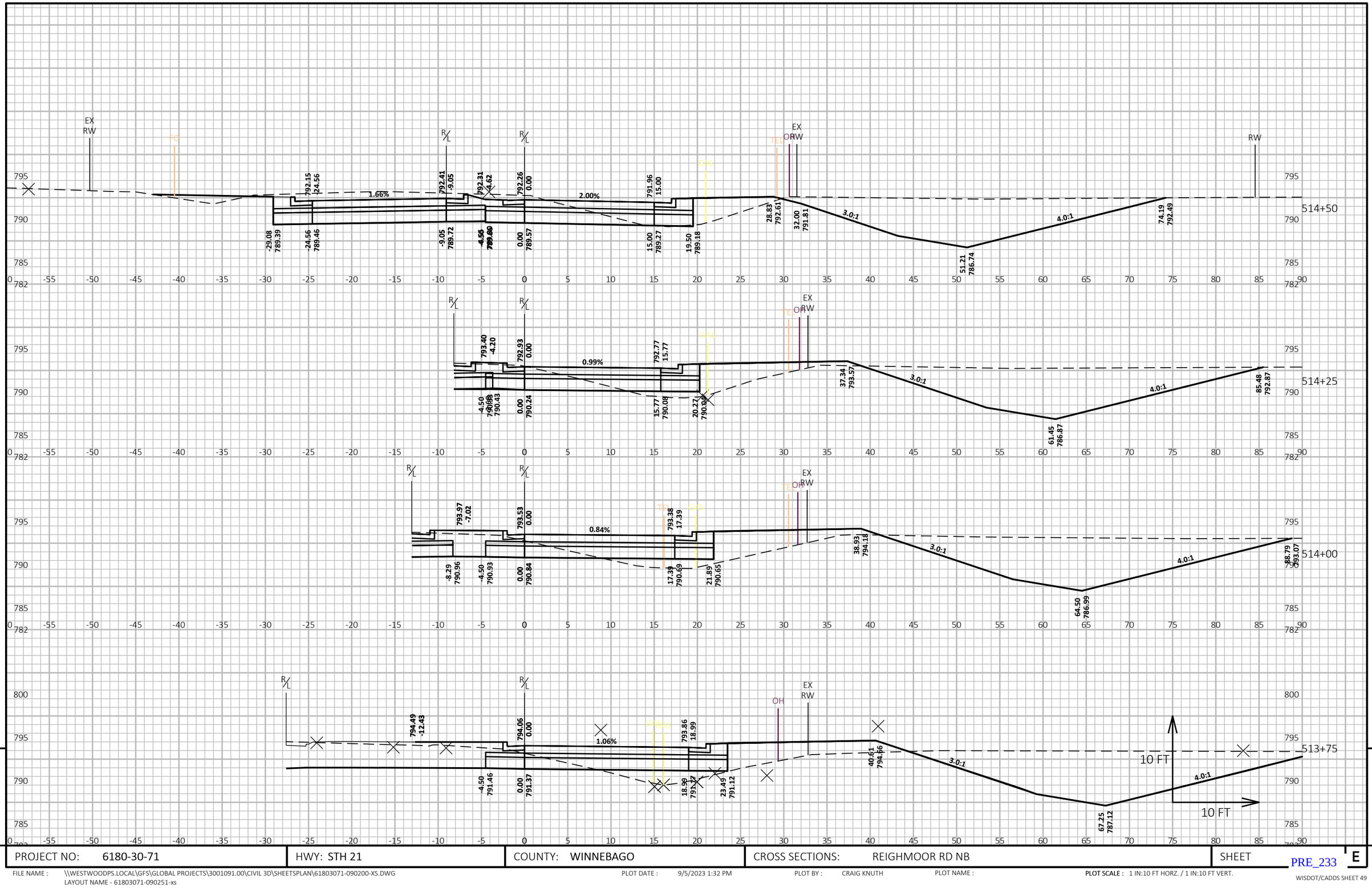
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF NB	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090244-xs

PLOT DATE : 9/5/2023 1:31 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_232

WISDOT/CADDS SHEET 49



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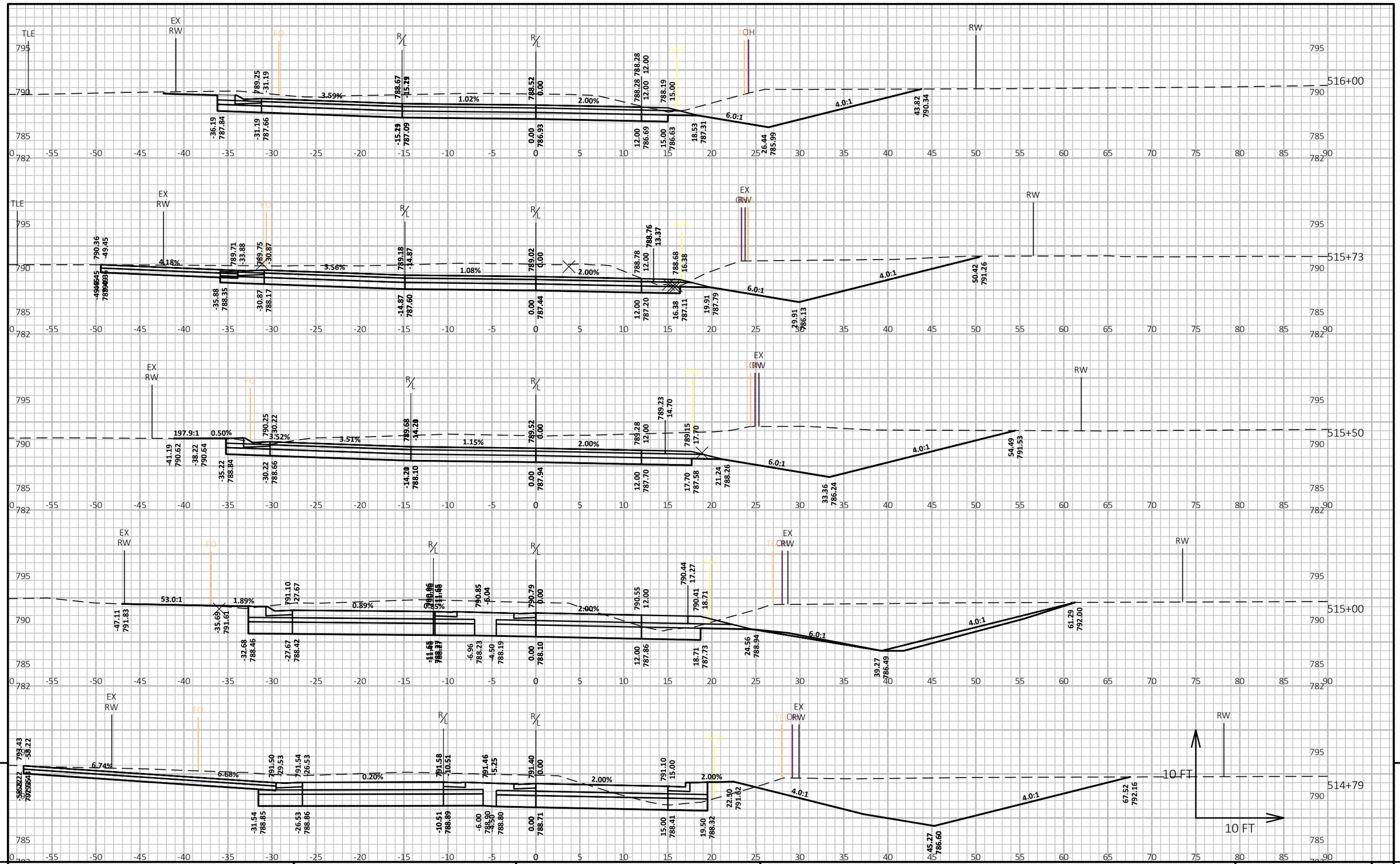
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET E

PRE_233

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090251-xs

PLOT DATE : 9/5/2023 1:32 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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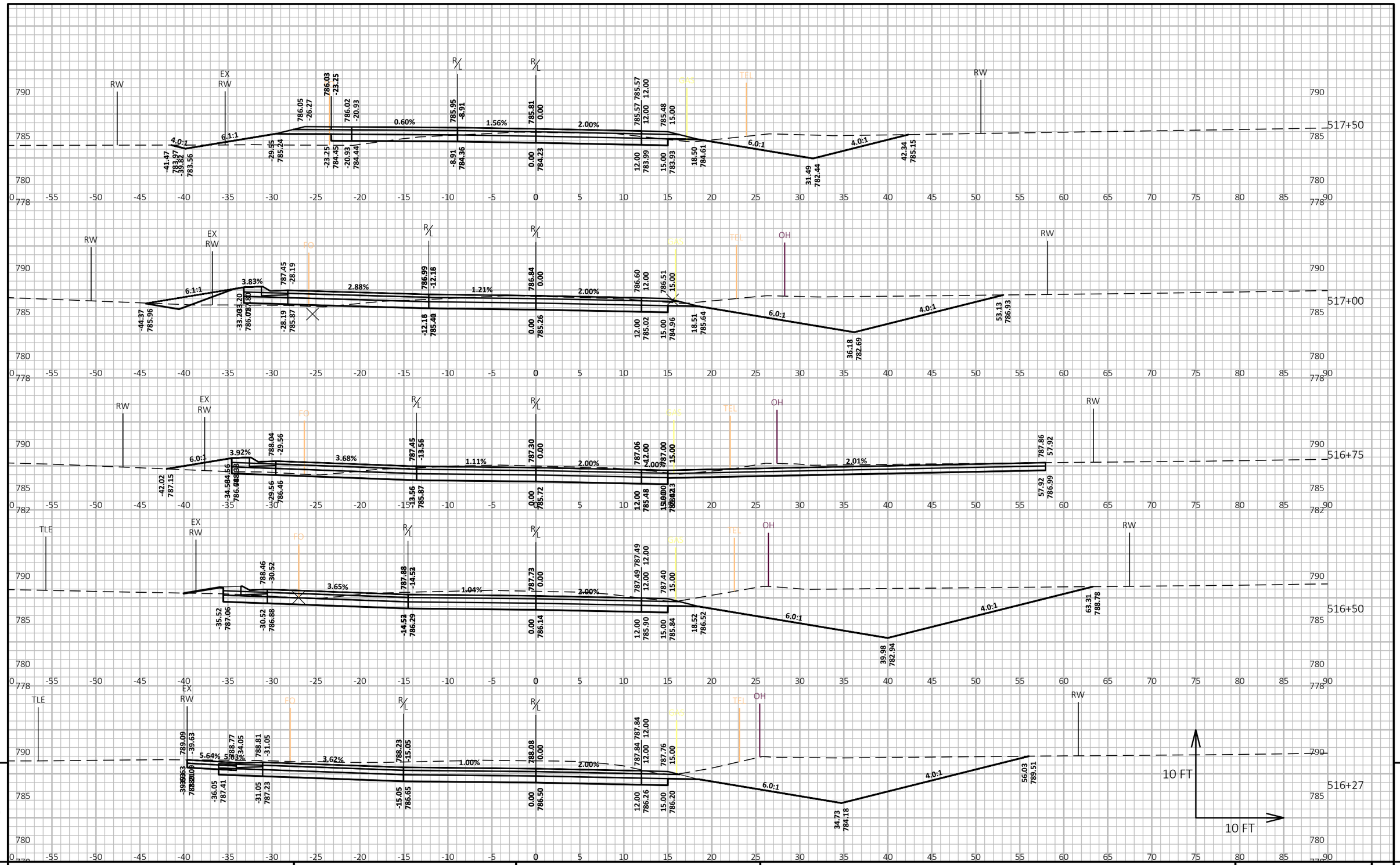
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET E

PRE_234

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090252-xs

PLOT DATE : 9/5/2023 1:32 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET E

PRE_235

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090253-xs

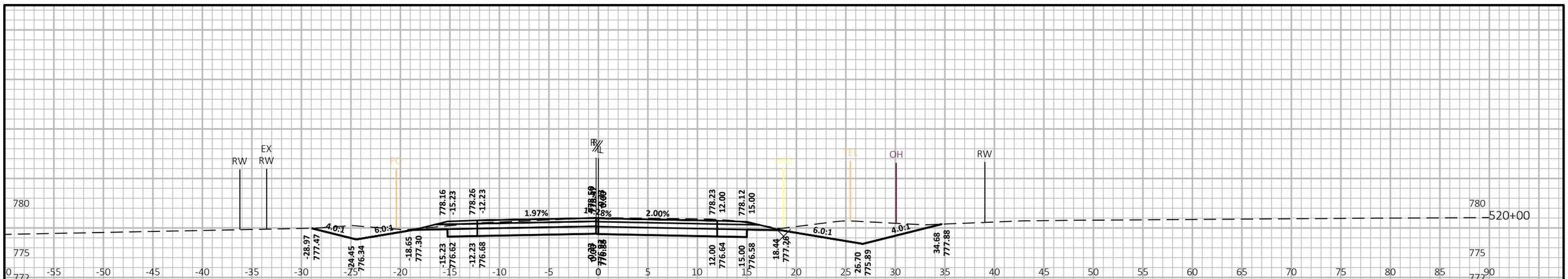
PLOT DATE : 9/5/2023 1:32 PM

PLOT BY : CRAIG KNUTH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090254-xs

PLOT DATE : 9/5/2023 1:32 PM

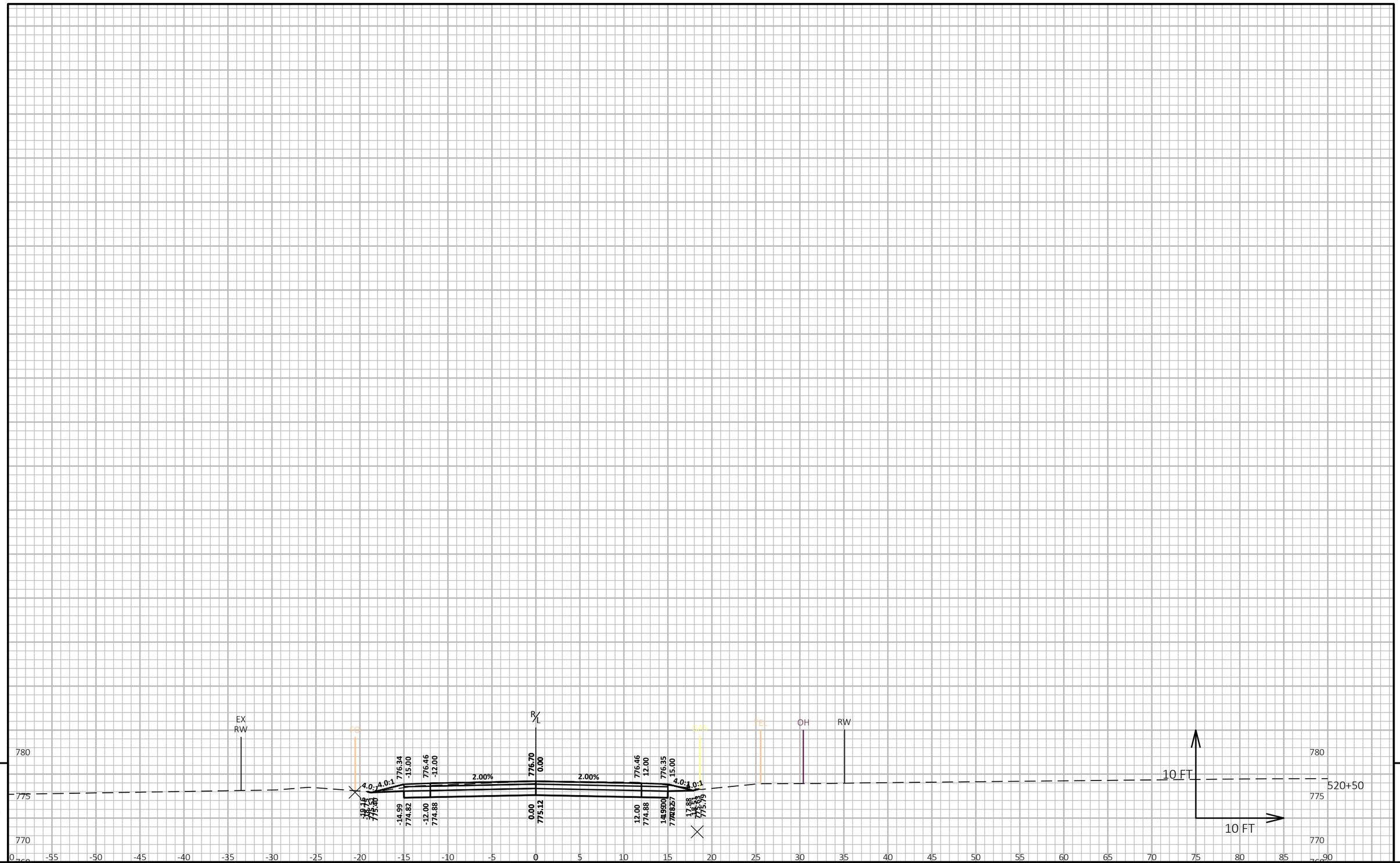
PLOT BY : CRAIG KNUTH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_236

WISDOT/CADDS SHEET 49



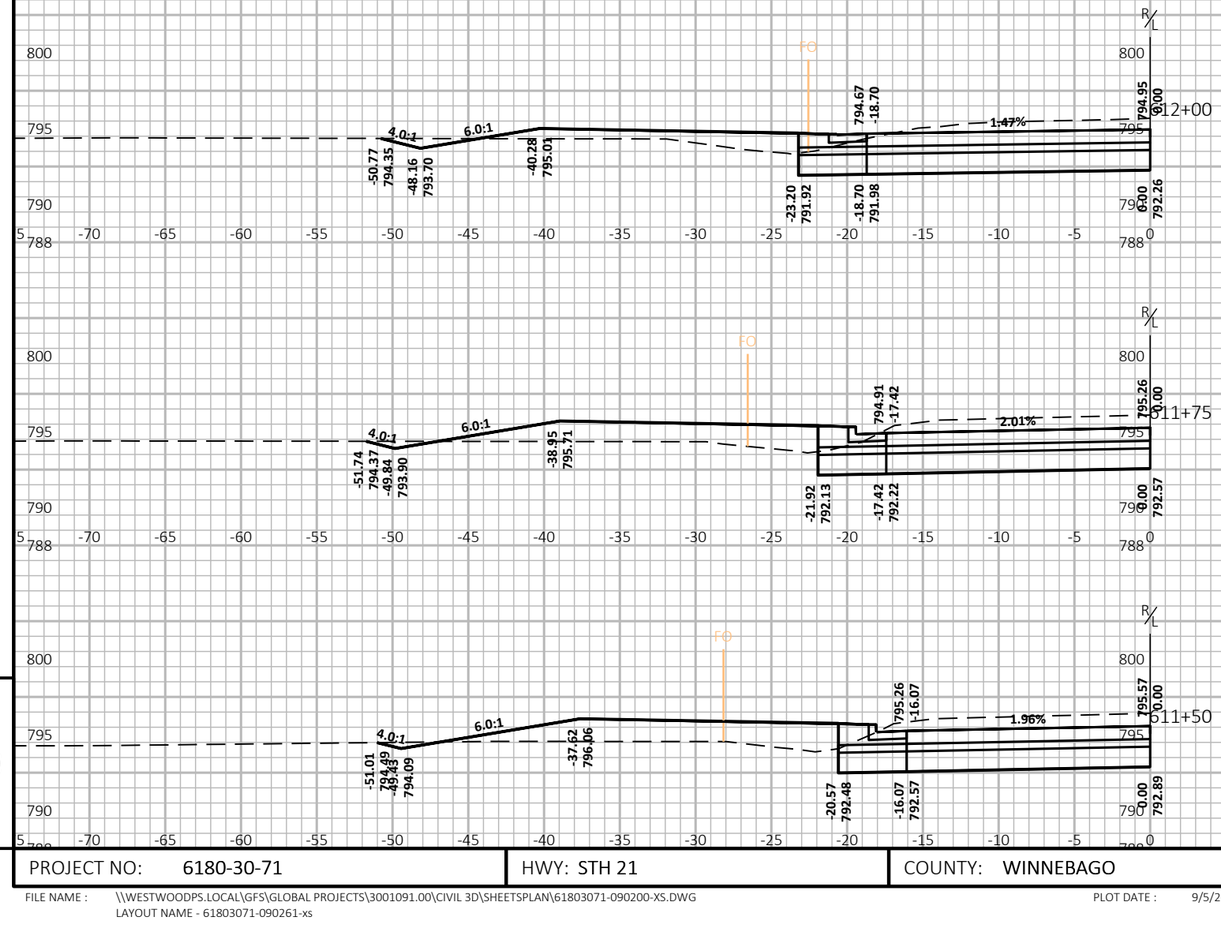
9 9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD NB	SHEET E

PRE_237

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090255-xs

PLOT DATE : 9/5/2023 1:32 PM PLOT BY : CRAIG KNUTH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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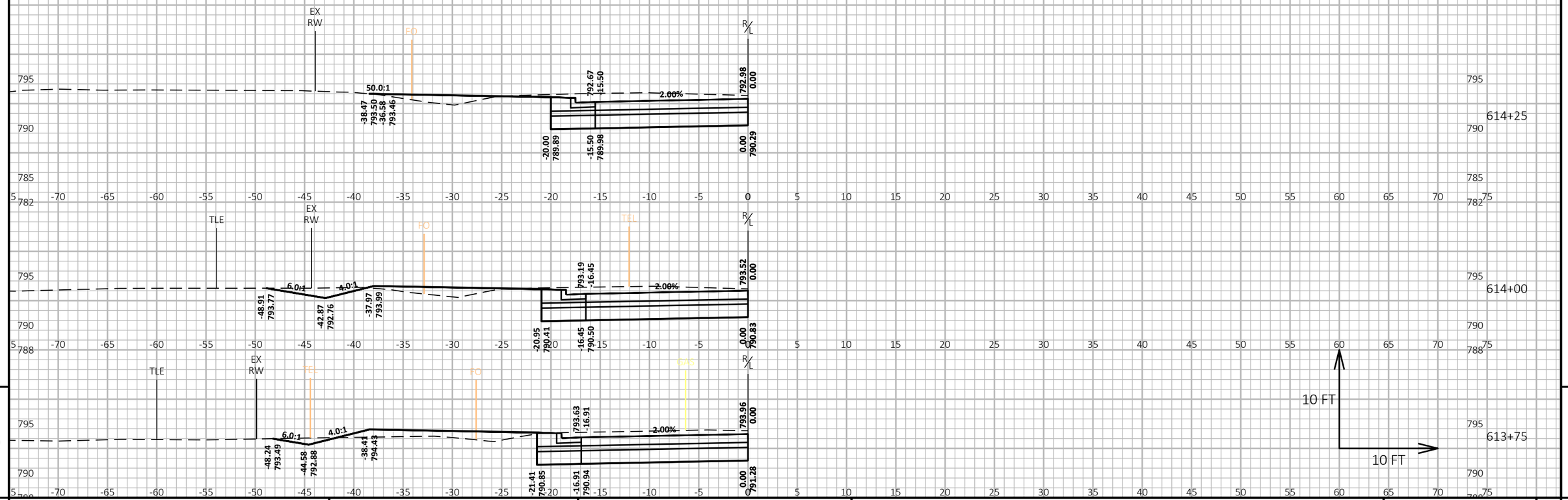
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF SB	SHEET E

PRE_238

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090261-xs

PLOT DATE : 9/5/2023 1:32 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: REIGHMOOR RD SB	SHEET E

PRE_239

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090271-xs

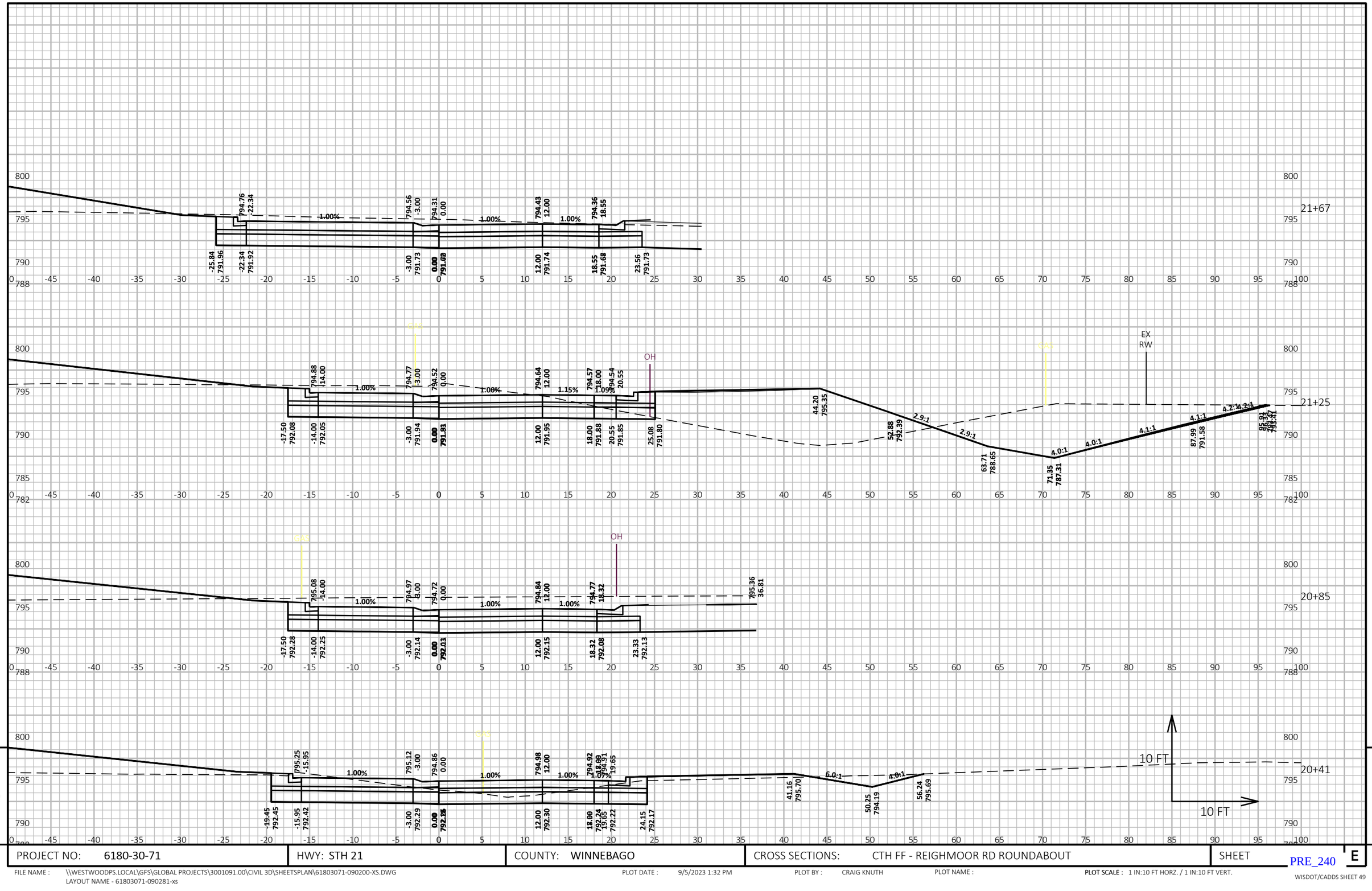
PLOT DATE : 9/5/2023 1:32 PM

PLOT BY : CRAIG KNUTH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF - REIGHMOOR RD ROUNDABOUT	SHEET PRE_240 E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090281-xs

PLOT DATE : 9/5/2023 1:32 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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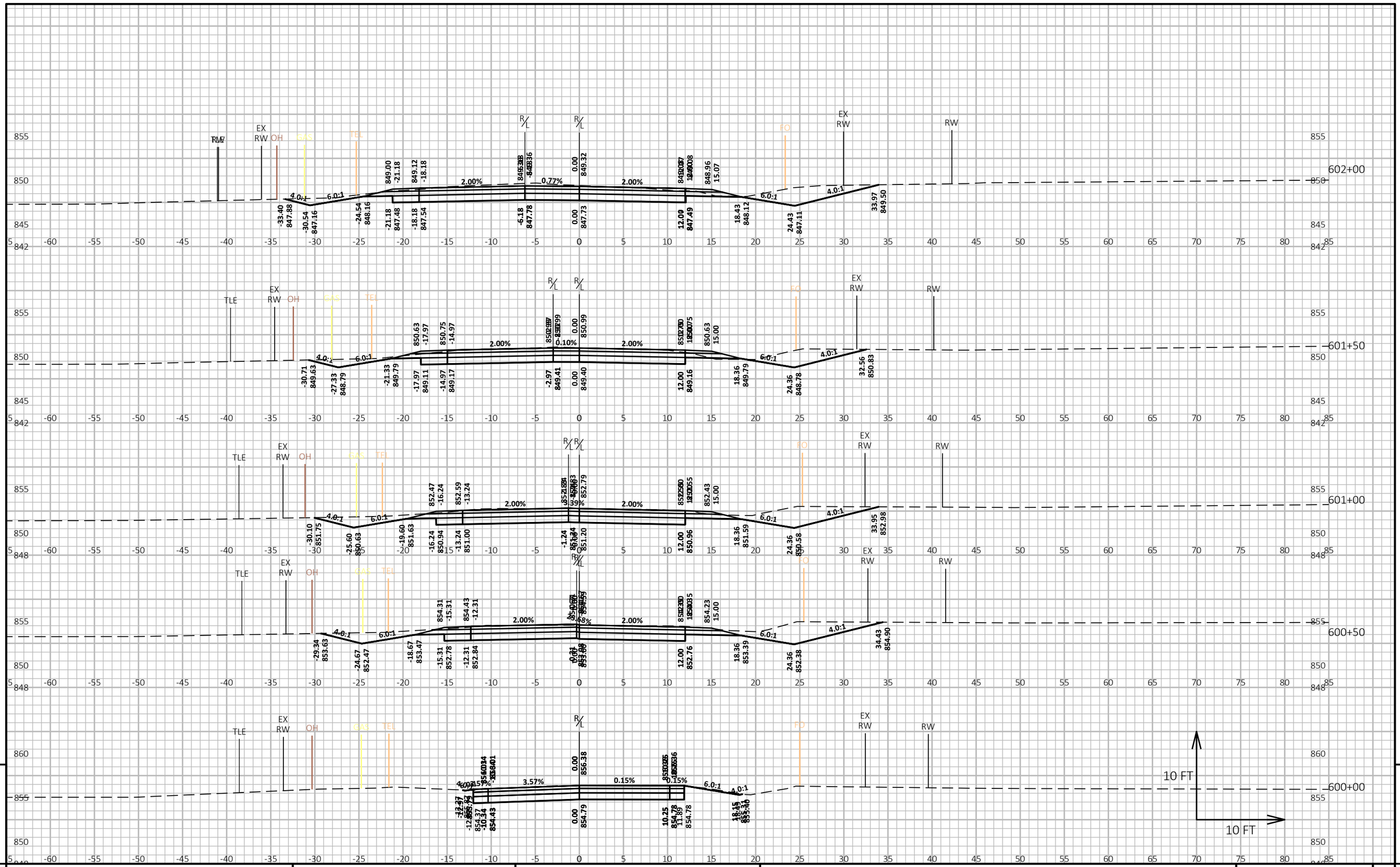
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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: CTH FF - REIGHMOOR RD ROUNDABOUT	SHEET E

PRE_241

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090200-XS.DWG
LAYOUT NAME - 61803071-090282-xs

PLOT DATE : 9/5/2023 1:33 PM PLOT BY : CRAIG KNUTH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9 9

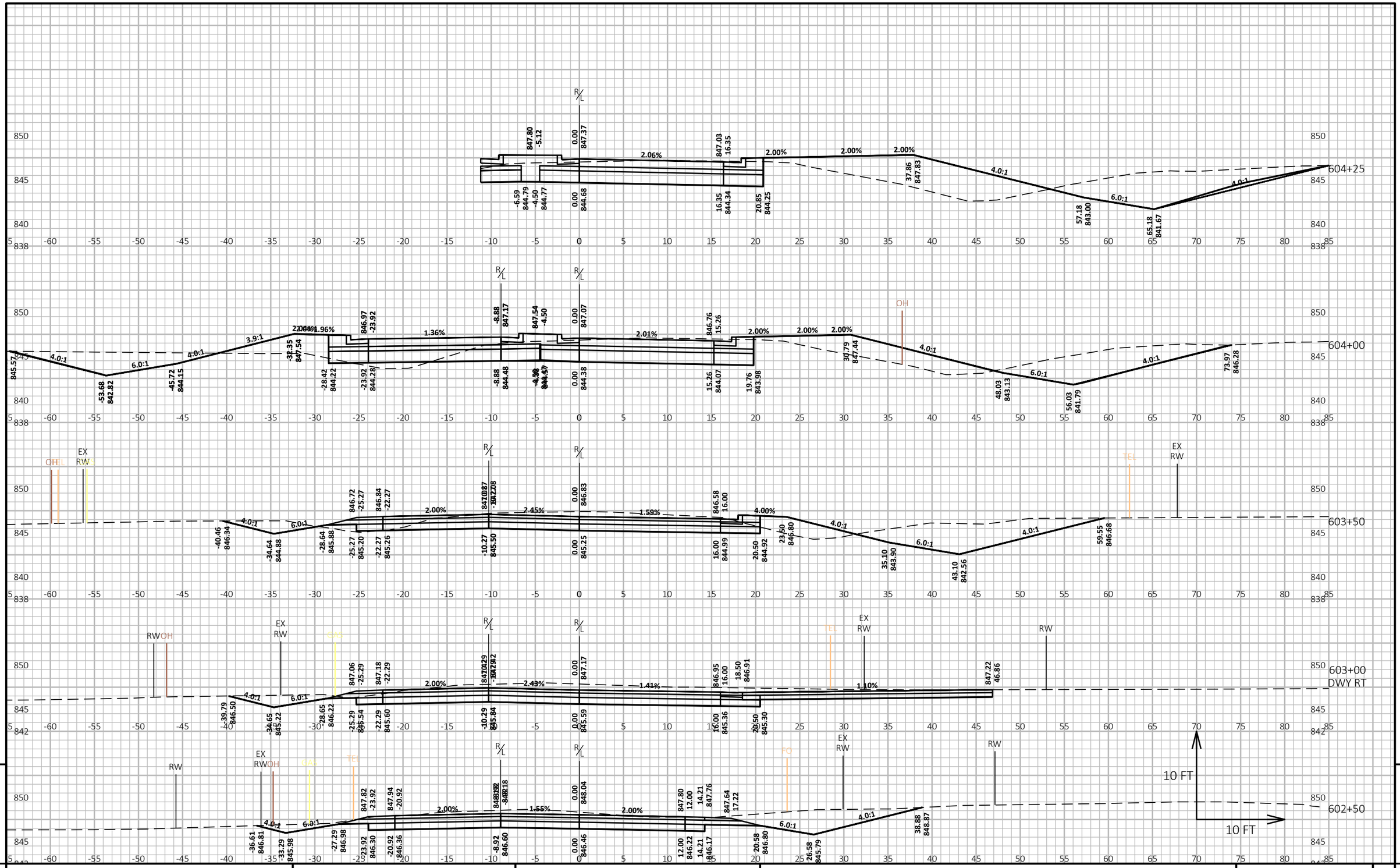
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD NB SOUTH	SHEET E

PRE_242

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090334-xs

PLOT DATE : 9/5/2023 2:02 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD NB SOUTH	SHEET E

PRE_243

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090335-xs

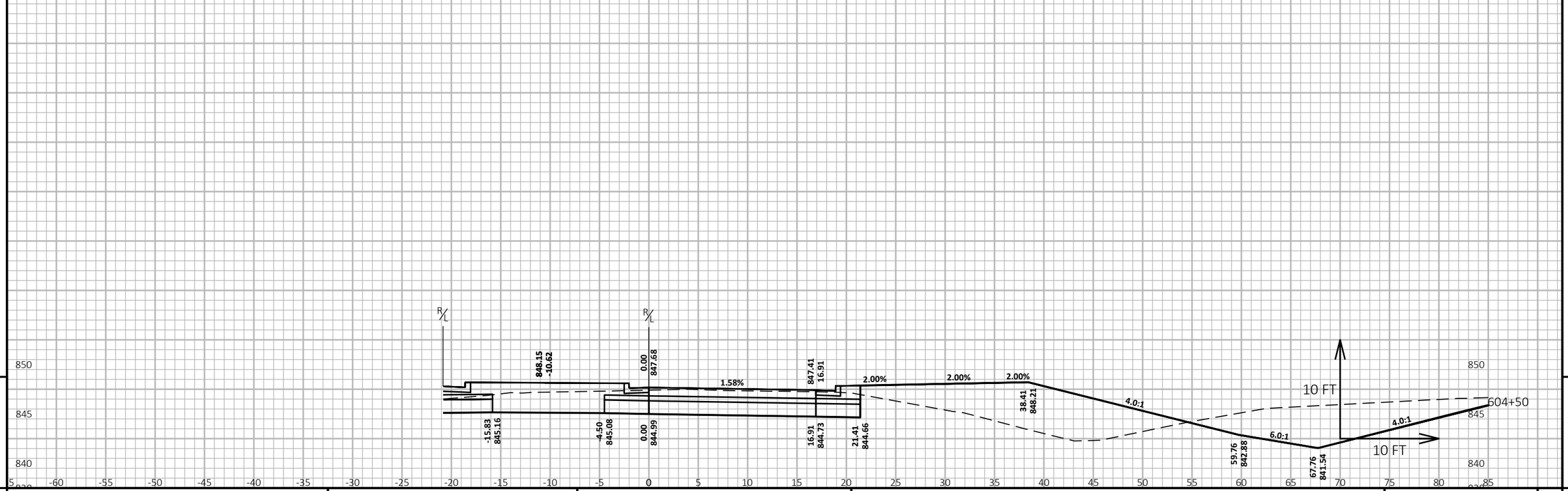
PLOT DATE : 9/5/2023 2:03 PM

PLOT BY : CRAIG KNUTH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD NB SOUTH	SHEET E

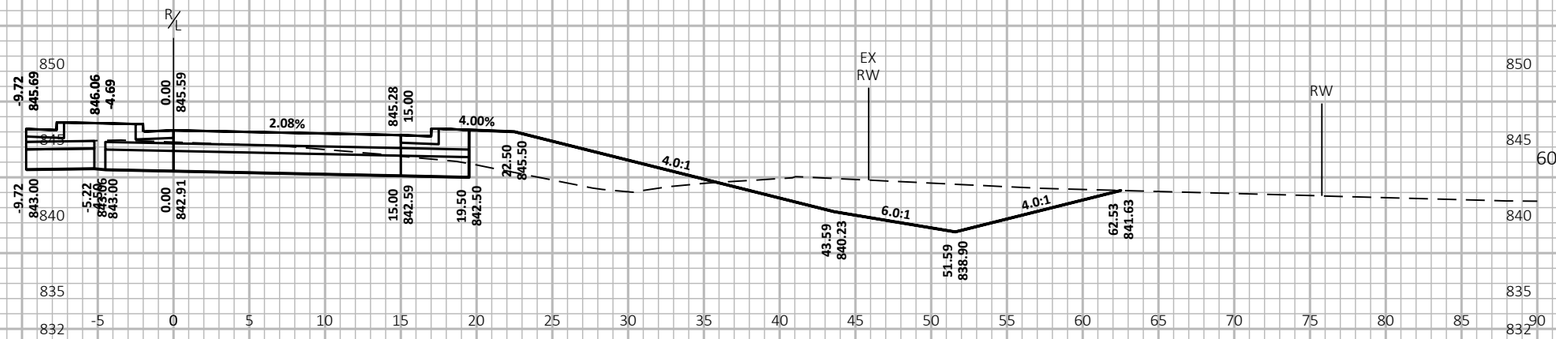
FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090336-xs

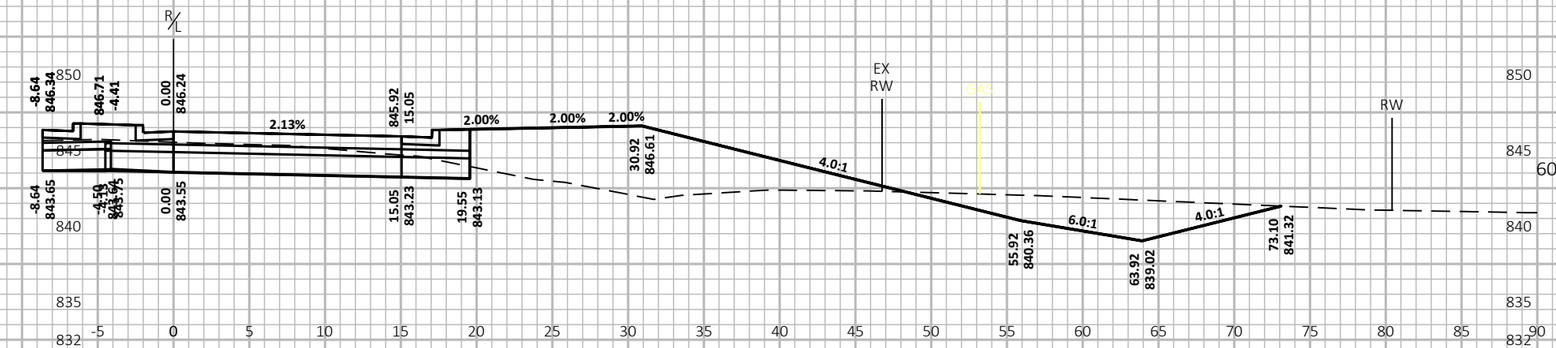
PLOT DATE : 9/5/2023 2:03 PM PLOT BY : CRAIG KNUTH PLOT NAME :

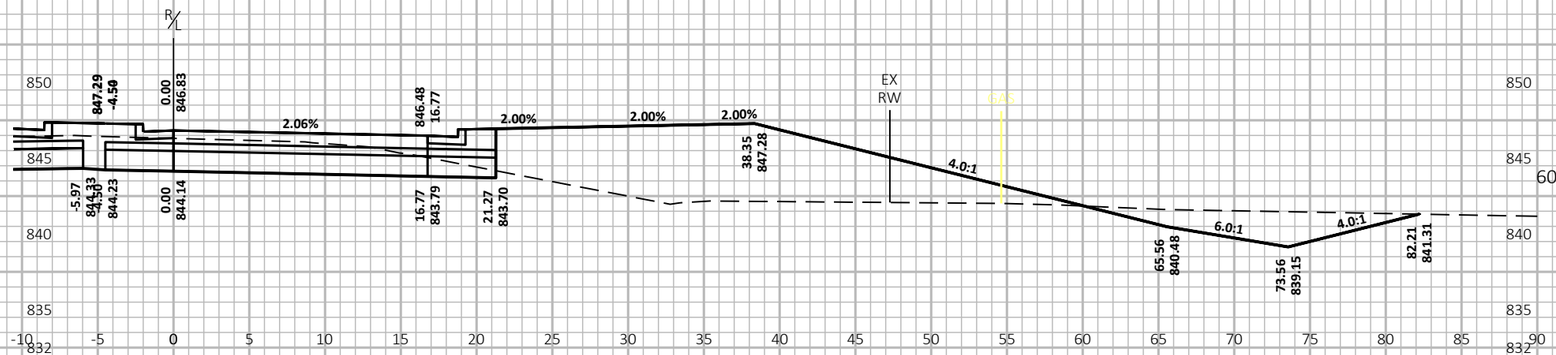
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

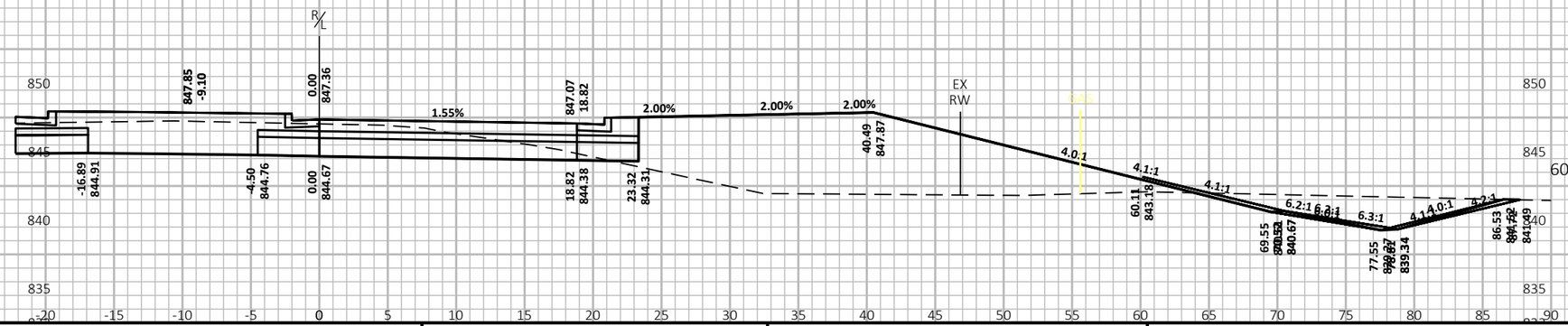
PRE_244

WISDOT/CADDS SHEET 49









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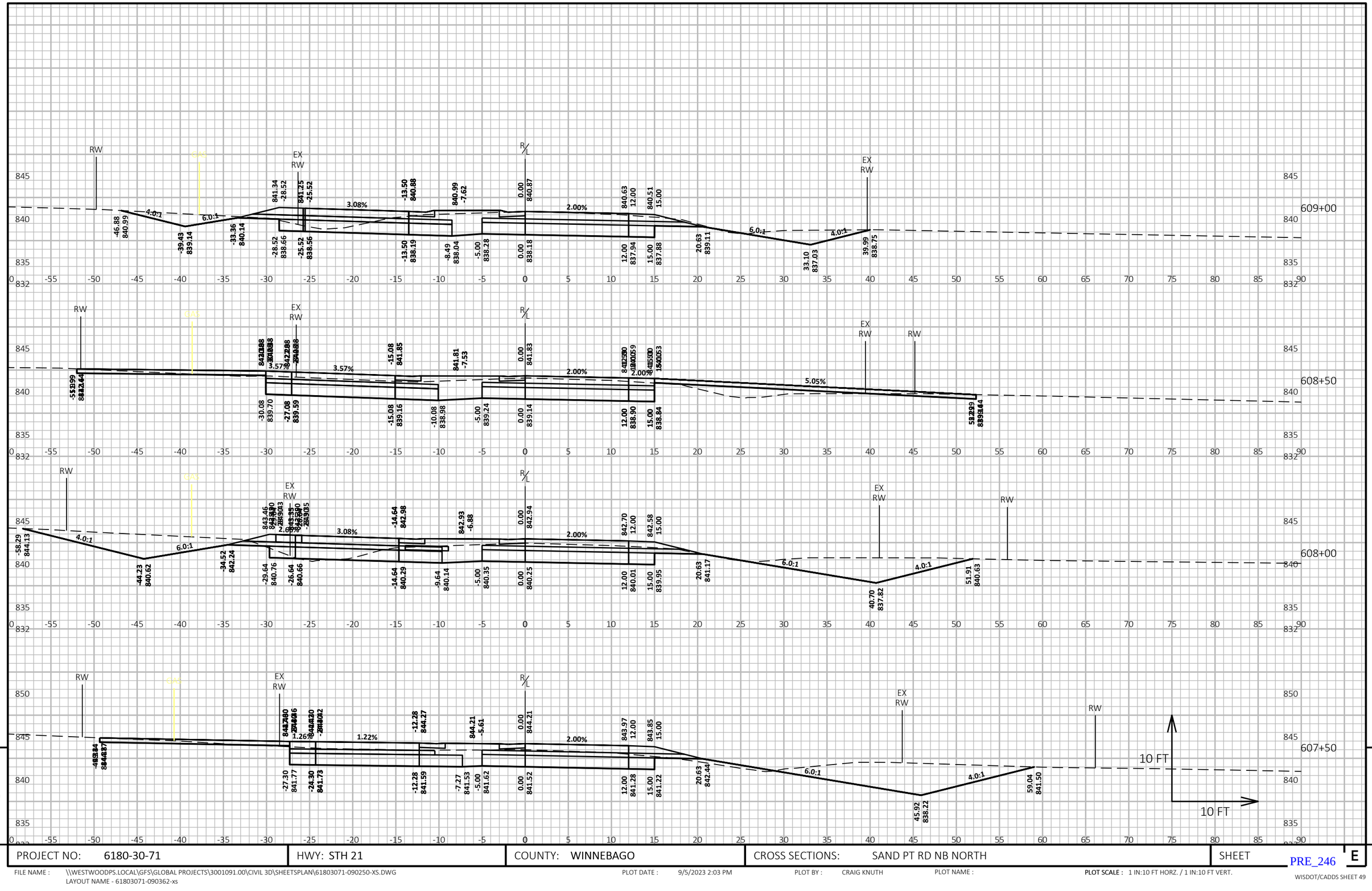
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PT RD NB NORTH	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090361-xs

PLOT DATE : 9/5/2023 2:03 PM PLOT BY : CRAIG KNUTH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_245

WISDOT/CADDS SHEET 49



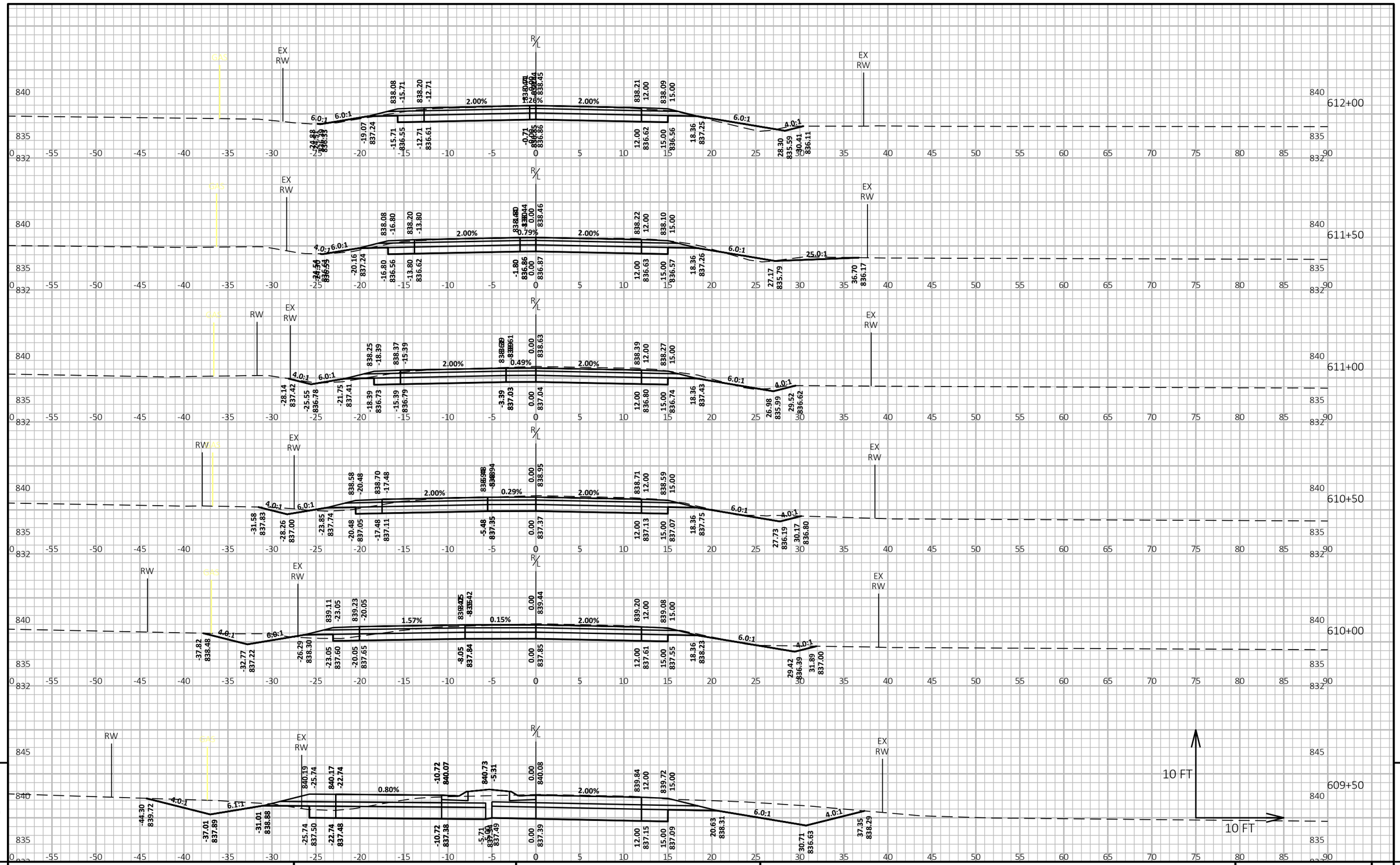
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PT RD NB NORTH	SHEET E

PRE_246

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090362-xs

PLOT DATE : 9/5/2023 2:03 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



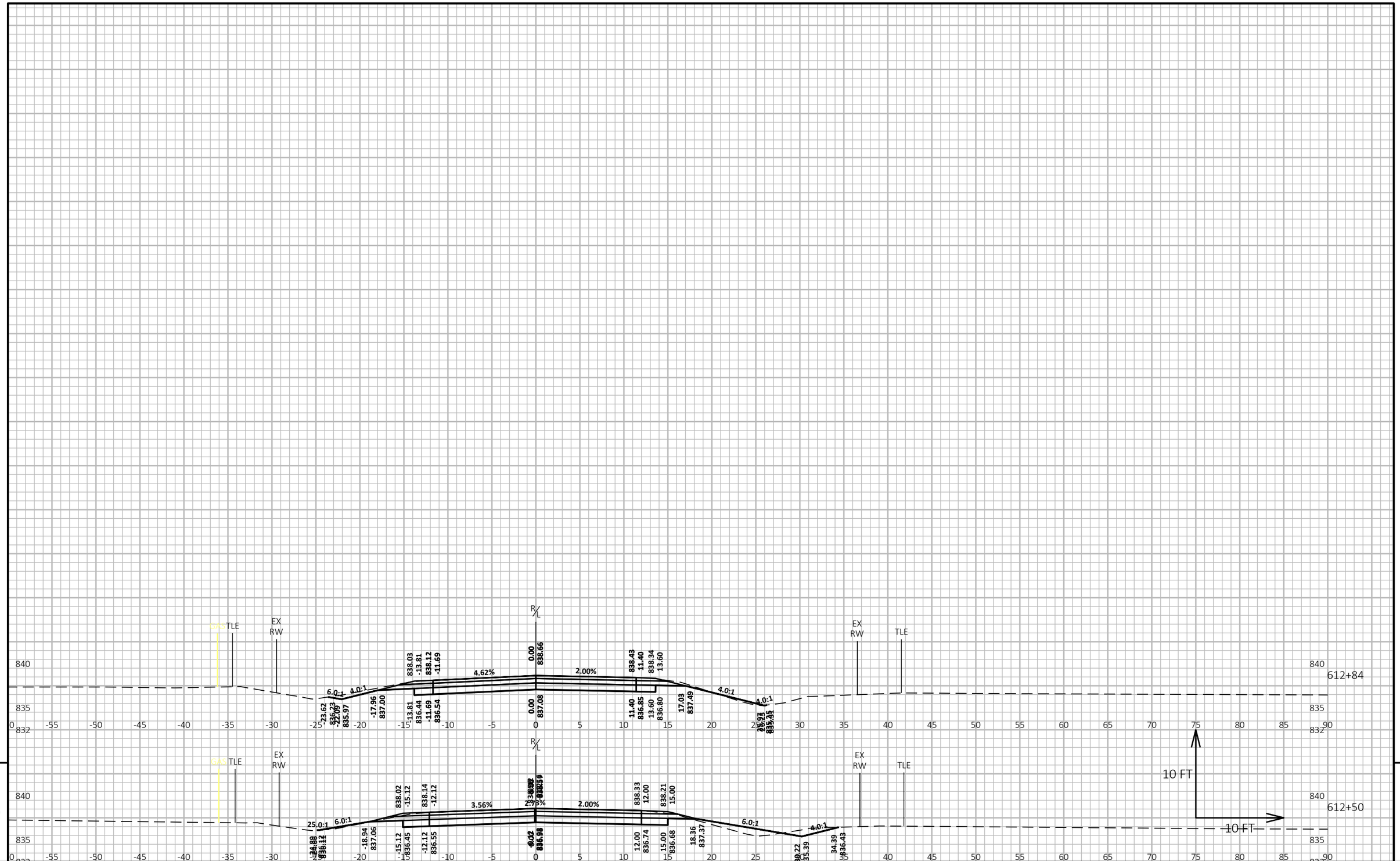
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PT RD NB NORTH	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090363-xs

PLOT DATE : 9/5/2023 2:03 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_247

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PT RD NB NORTH	SHEET E

PRE_248

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090364-xs

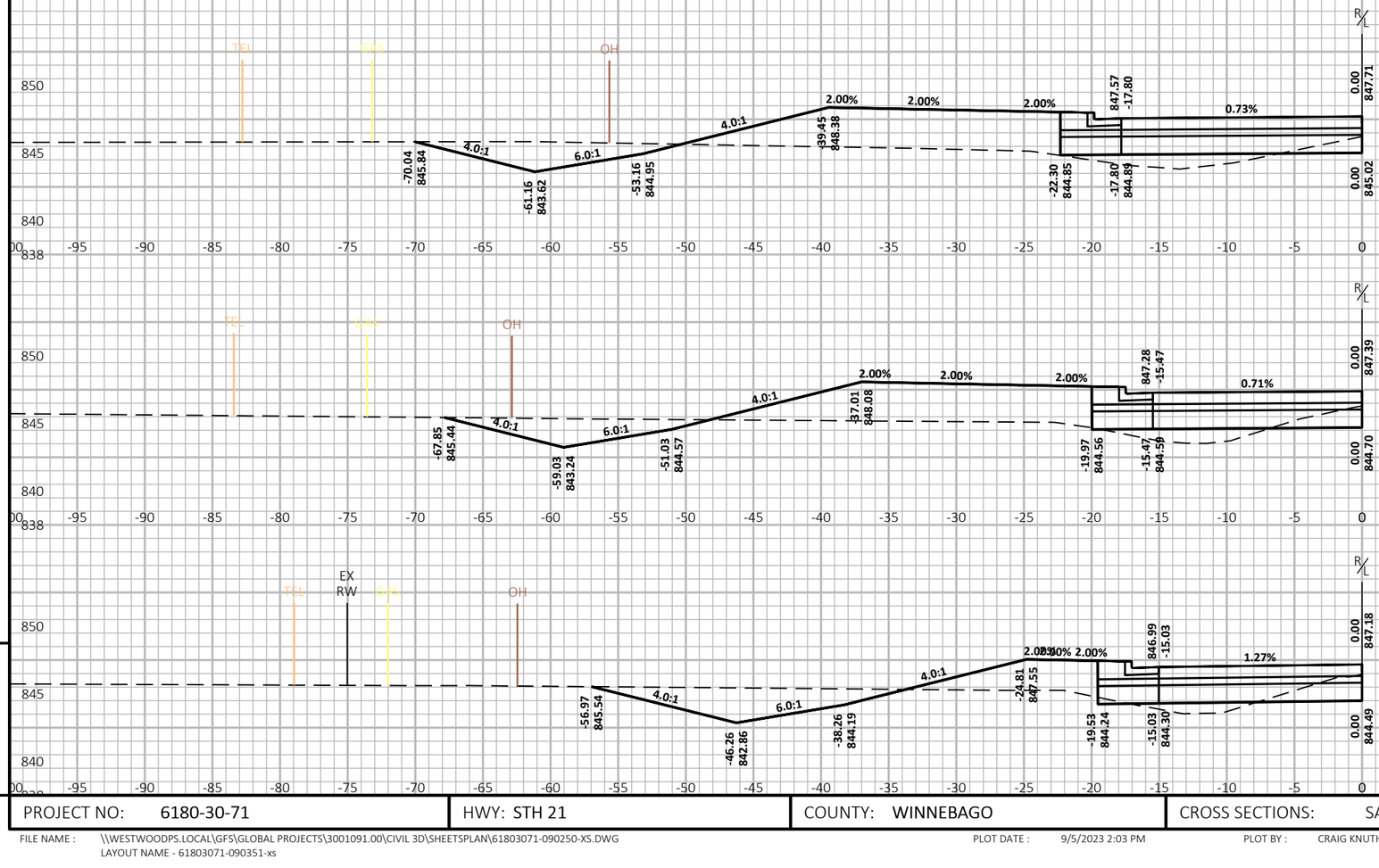
PLOT DATE : 9/5/2023 2:03 PM

PLOT BY : CRAIG KNUTH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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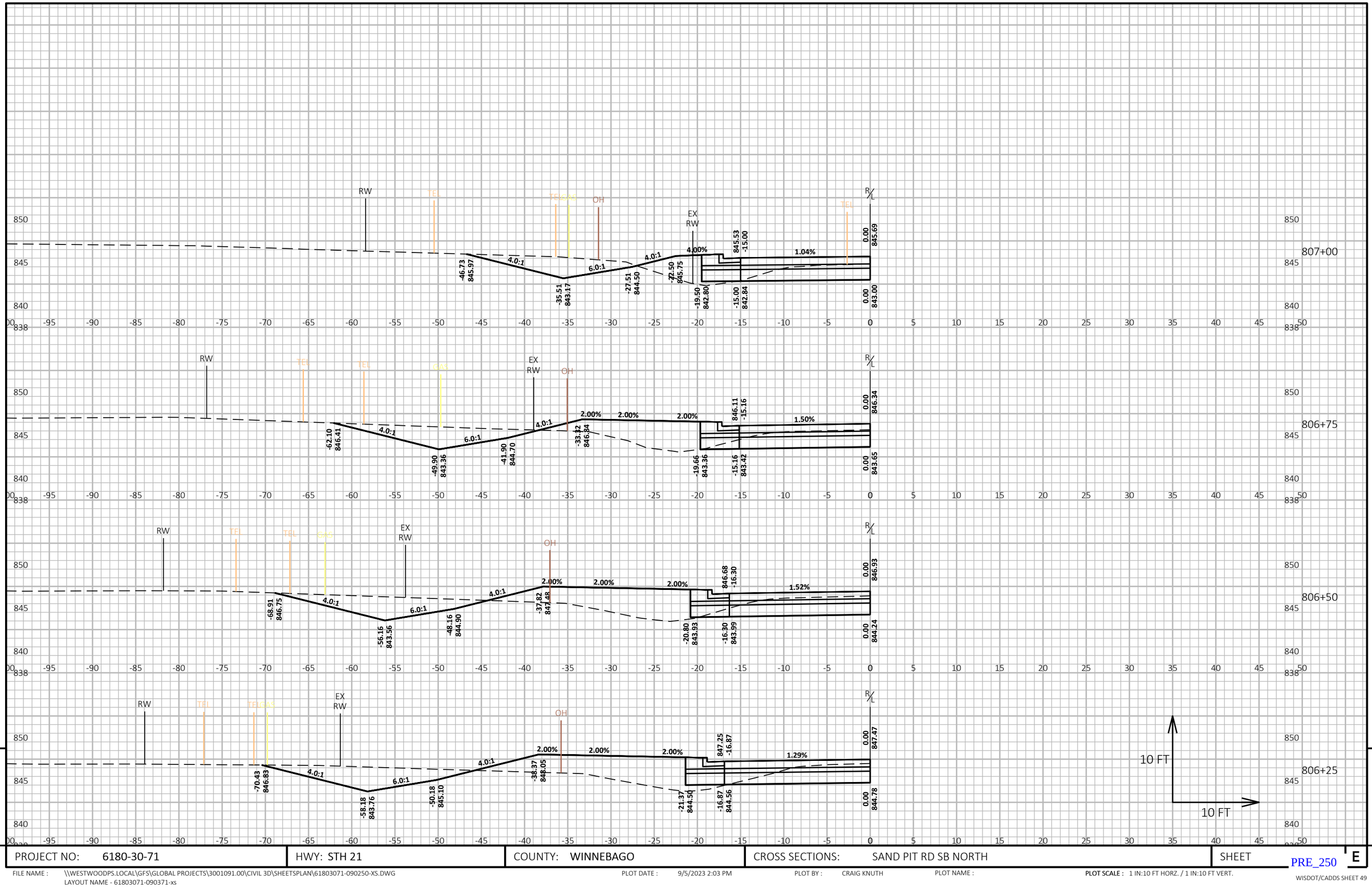
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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD SB SOUTH	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090351-xs

PLOT DATE : 9/5/2023 2:03 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_249



9 9

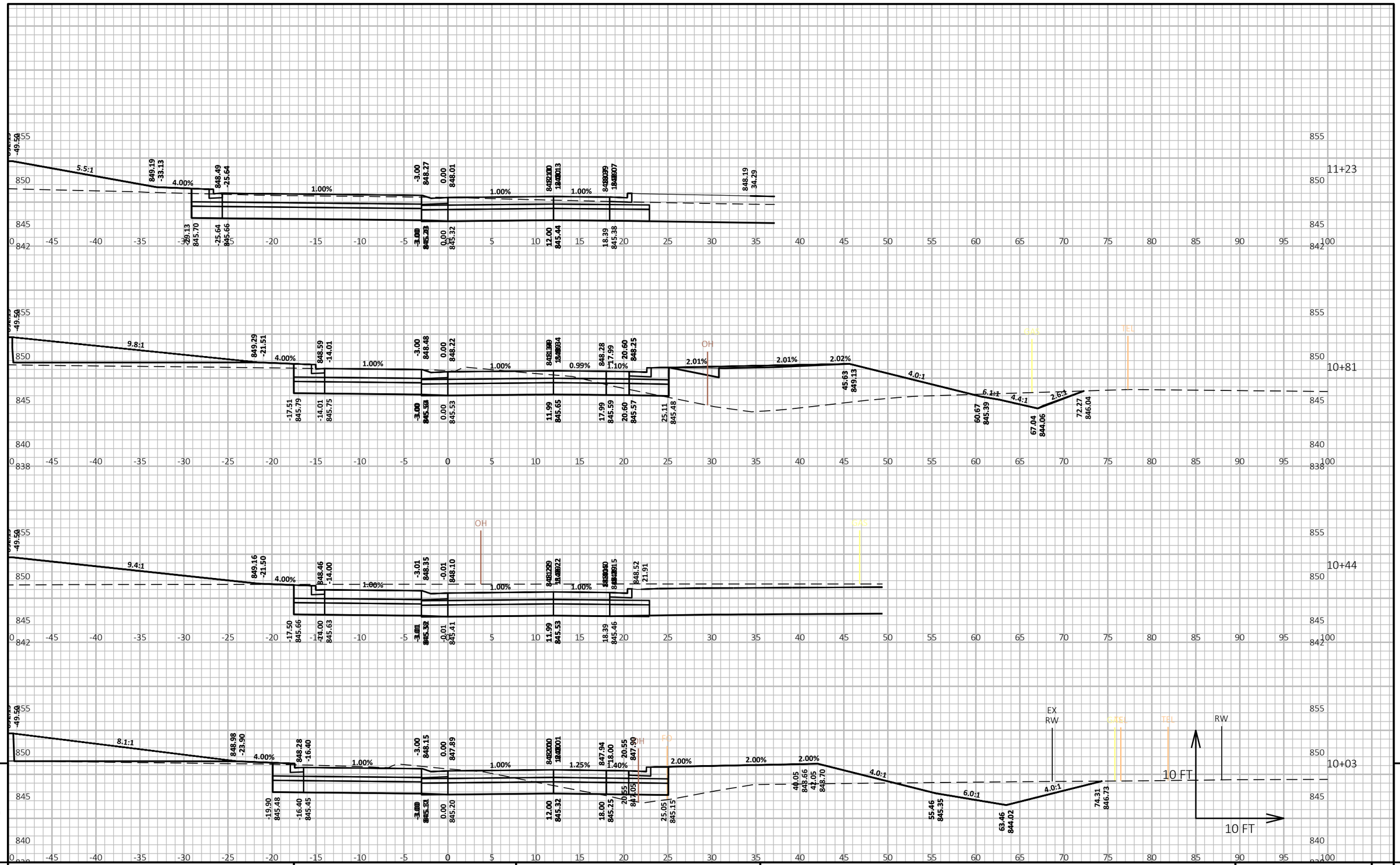
PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD SB NORTH	SHEET E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090371-xs

PLOT DATE : 9/5/2023 2:03 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PRE_250

WISDOT/CADDS SHEET 49

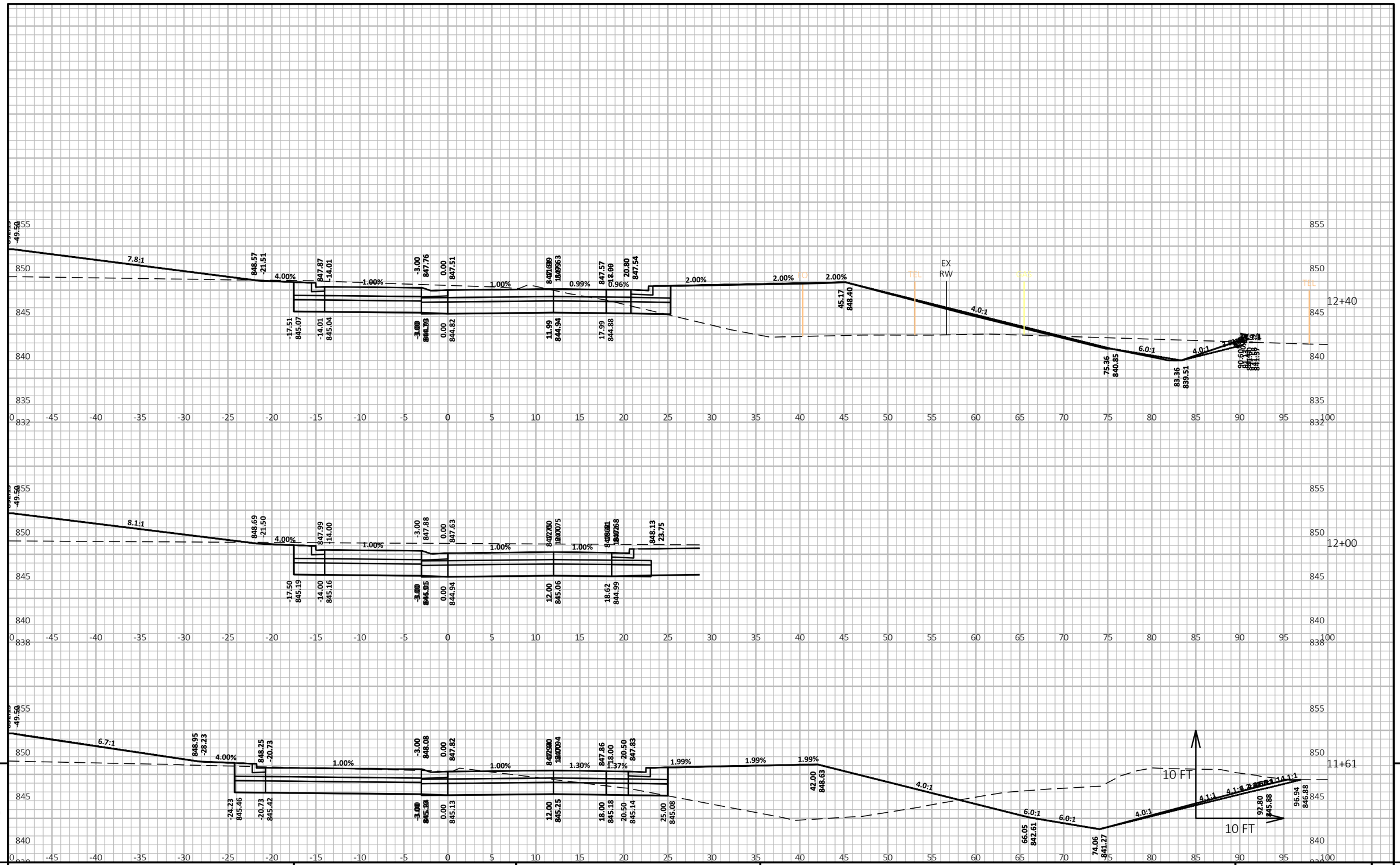


PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD ROUNDABOUT	SHEET PRE_251 E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090381-xs

PLOT DATE : 9/5/2023 2:03 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

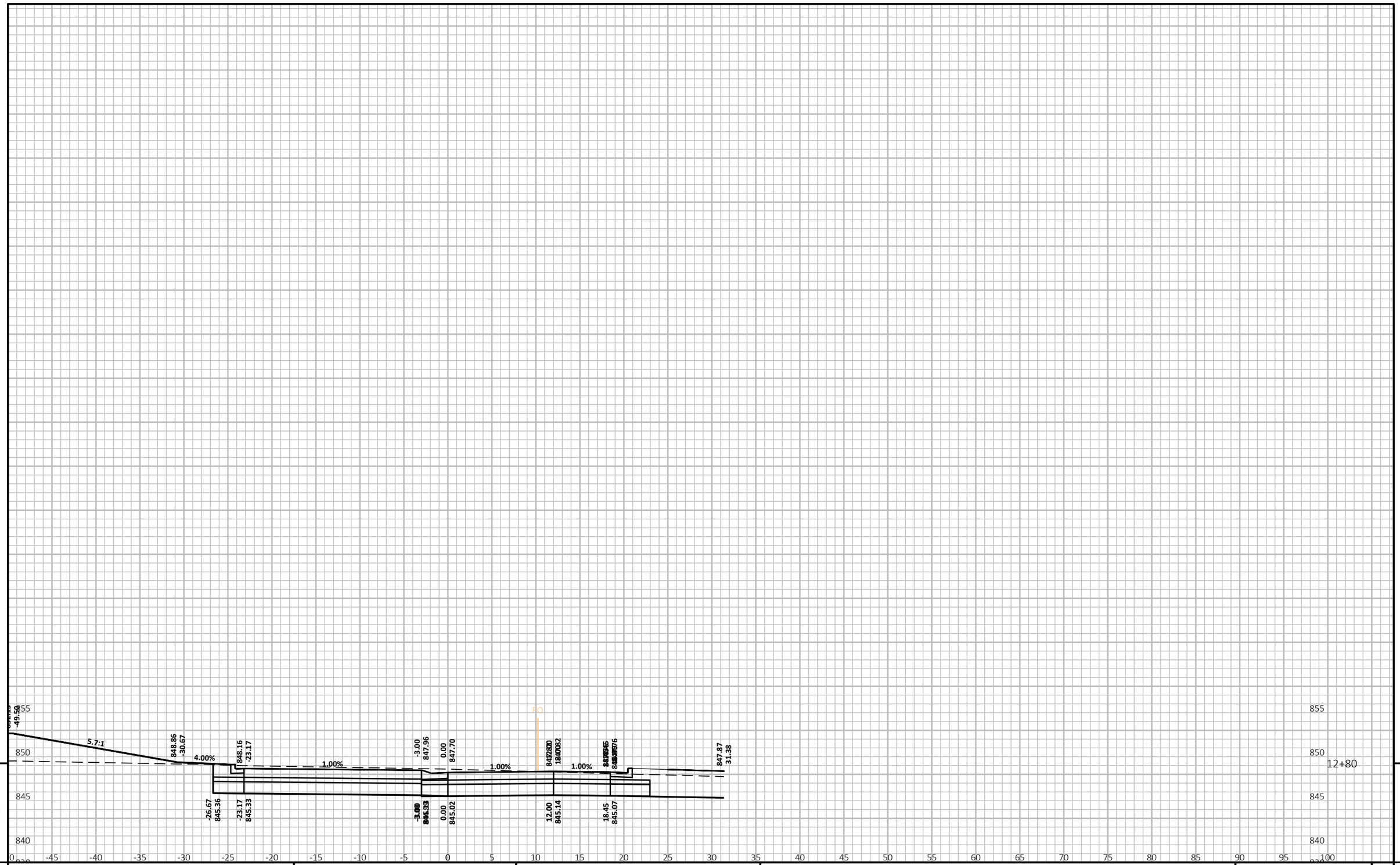


PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD ROUNDABOUT	SHEET PRE_252 E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090382-xs

PLOT DATE : 9/5/2023 2:03 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6180-30-71	HWY: STH 21	COUNTY: WINNEBAGO	CROSS SECTIONS: SAND PIT RD ROUNDABOUT	SHEET PRE_253 E

FILE NAME : \\WESTWOODPS.LOCAL\GFS\GLOBAL PROJECTS\3001091.00\CIVIL 3D\SHEETSPLAN\61803071-090250-XS.DWG
LAYOUT NAME - 61803071-090383-xs

PLOT DATE : 9/5/2023 2:03 PM PLOT BY : CRAIG KNUTH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove

PR