WIS

DECEMBER 2022

PROJECT ID: 6170-00-70/74

COUNTY: WAUSHARA

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 = 562



30

N

DESIGN DESIGNATION 6170-00-70/74

A.A.D.T.	2012	=	4400
A.A.D.T.	2040	=	5700
D.H.V.		=	13.5%
D.D.		=	61/39
T.		=	23.0%
DESIGN SPEED		=	55 MPH
ESALS		=	3,600,000

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
6170-00-70	WISC 2023114	1
6170-00-74	WISC 2023123	1

COLOMA - WAUTOMA

MADISON STREET TO STH 22

STH 21

WAUSHARA COUNTY

STATE PROJECT NUMBER

6170-00-70

COLOMA - WAUTOMA

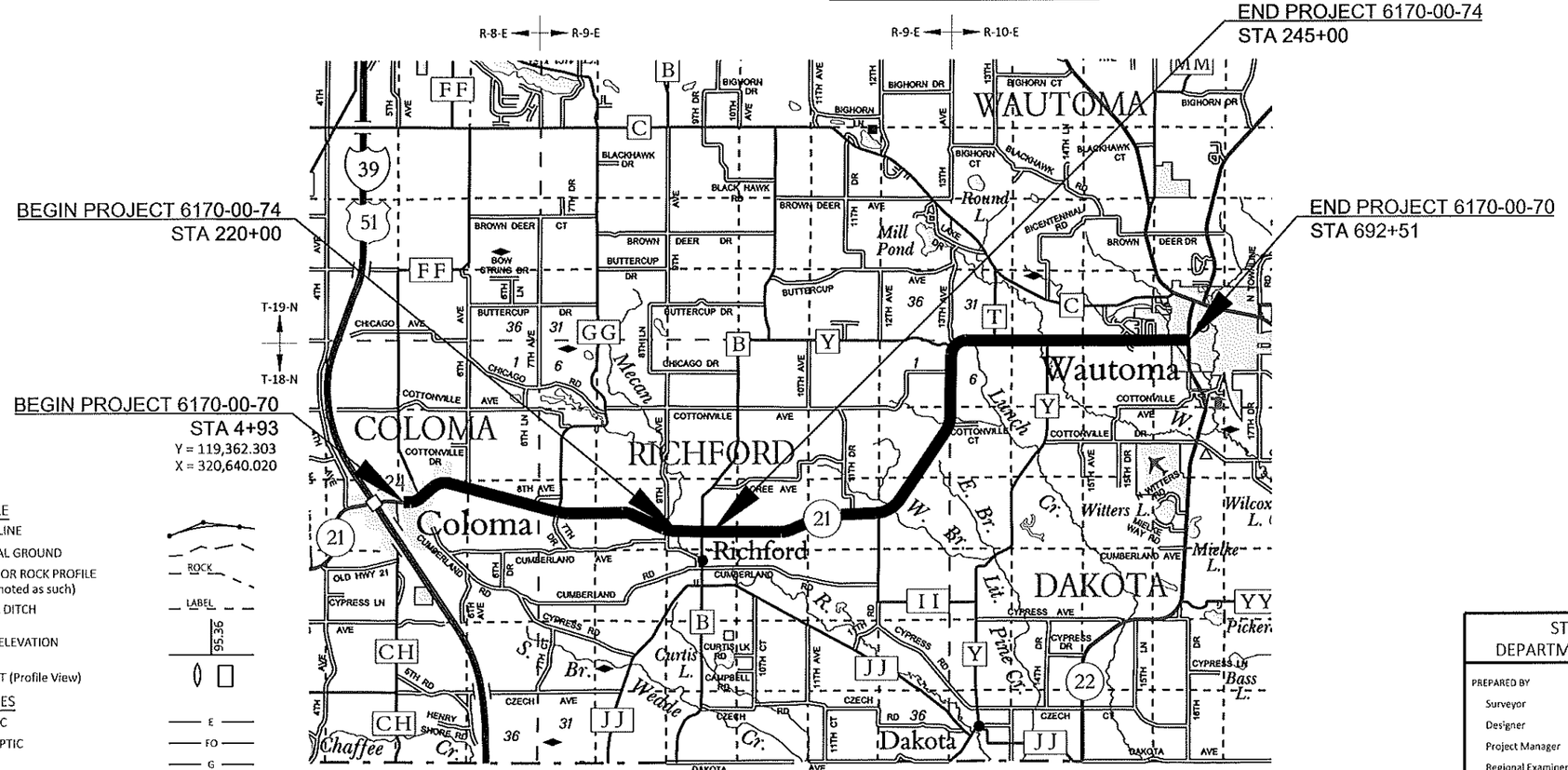
MADISON STREET TO STH 22

STH 21

WAUSHARA COUNTY

STATE PROJECT NUMBER

6170-00-74



6170-00-70 TOTAL NET LENGTH OF CENTERLINE = 13.022 MI

6170-00-74 TOTAL NET LENGTH OF CENTERLINE = 0.473 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WAUSHARA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD 88 (2012)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NC REGION
Designer	MARIAH KRUEGER, P.E.
Project Manager	TIM HANLEY, P.E.
Regional Examiner	ZACH GRULING, P.E.
Regional Supervisor	NICHOLE LYSNE, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 7-20-22 Timothy R Hanley (Signature)

E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\010101-TI.DWG PLOT DATE : 6/2/2022 11:20 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME :

GENERAL NOTES

CURVE DATA IS BASED ON THE ARC DEFINITION.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

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

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

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS.
REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

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

WDNR

BRAD BETTHAUSER
910 HWY 54 E
BLACK RIVER FALLS, WI 54615
PHONE: (715) 213-9064 MOBILE
E-MAIL: BRADLEY.BETTHAUSER@WISCONSIN.GOV

Runoff Coefficient Table

	Hydrologic Soil Group											
	A			B			C			D		
	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	0.08 0.22	0.16 0.30	0.22 0.38	0.12 0.26	0.20 0.34	0.27 0.44	0.15 0.30	0.24 0.37	0.33 0.50	0.19 0.34	0.28 0.41	0.38 0.56
Median Strip-Turf	0.19 0.24	0.20 0.26	0.24 0.30	0.19 0.25	0.22 0.28	0.26 0.33	0.20 0.26	0.23 0.30	0.30 0.37	0.20 0.27	0.25 0.32	0.30 0.40
Side Slope Turf			0.25 0.32			0.27 0.34			0.28 0.36			0.30 0.38
Pavement												
Asphalt	0.70 - 0.95											
Concrete	0.80 - 0.95											
Brick	0.70 - 0.80											
Drives, Sidewalks	0.75 - 0.85											
Roofs	0.75 - 0.95											
Gravel Roads, Shoulders	0.40 - 0.60											

Total Project Area = 213 Acres

Total Area Expected To Be Disturbed By Construction Activities = 69 Acres

UTILITIES

ADAMS-COLUMBIA ELECTRIC COOPERATIVE - ELECTRICITY
DUANE MOORE
401 E LAKE ST
FRIENDSHIP, WI 53934
PHONE: (800) 831-8629 WORK
E-MAIL: DMOORE@ACECWI.COM

ALLIANT ENERGY - ELECTRICITY
MATT SCHMITZ
883 W SCOTT ST
FOND DU LAC, WI 54937
PHONE: (920) 238-1137 WORK
E-MAIL: MATTHEWSCHMITZ@ALLIANTENERGY.COM

ATC MANAGEMENT, INC - ELECTRICITY
CHRIS DAILEY
PO BOX 47
WAUKESHA, WI 53187
PHONE: (262) 506-6884 WORK
E-MAIL: CDAILEY@ATCLLC.COM

CENTURYLINK - COMMUNICATION LINE
JAMES WINTER
224 INDUSTRIAL DRIVE
NORTH PRAIRIE, WI 53153
PHONE: (262) 392-5210 WORK
PHONE: (262) 720-4936 MOBILE
E-MAIL: JAMES.WINTER@LUMEN.COM

CITY OF WAUTOMA - SEWER
MATT RENNER
PO BOX 428
WAUTOMA, WI 54982
PHONE: (920) 787-4044 WORK
E-MAIL: WAUTOMAWATER@CENTURYTEL.NET

CITY OF WAUTOMA - WATER
MATT RENNER
PO BOX 428
WAUTOMA, WI 54982
PHONE: (920) 787-4044 WORK
E-MAIL: WAUTOMAWATER@CENTURYTEL.NET

COLOMA MUNICIPAL WATER UTILITY - WATER
WILLIAM PALAZZOLO
155 N FRONT ST
COLOMA, WI 54930
PHONE: (715) 228-2872 WORK
PHONE: (715) 572-2932 MOBILE
E-MAIL: VOCDPW1@UNIONTEL.NET

COLOMA WASTEWATER TREATMENT FACILITY - SEWER
WILLIAM PALAZZOLO
155 N FRONT ST
COLOMA, WI 54930
PHONE: (715) 228-2872 WORK
PHONE: (715) 572-2932 MOBILE
E-MAIL: VOCDPW1@UNIONTEL.NET

SPECTRUM - COMMUNICATION LINE (EAST END)
NICK FRASE
1515 W. WASHINGTON ST
WEST BEND, WI 53096
PHONE: (920) 304-6797 WORK
PHONE: (920) 304-9648 MOBILE
E-MAIL: NICK.FRASE@CHARTER.COM

SPECTRUM - COMMUNICATION LINE (WEST END)
RUDIE RUDIGER
5024 HEFFRON ST
STEVENS POINT, WI 54481
PHONE: (715) 204-5339 MOBILE
E-MAIL: RUDI.RUDIGER@CHARTER.COM

UNION TELEPHONE COMPANY - COMMUNICATION LINE
JASON NOSKA
PO BOX 96
PLAINFIELD, WI 54966
PHONE: (715) 335-6301 WORK
PHONE: (715) 570-3728 MOBILE
E-MAIL: JNOSKA@UNIONTEL.NET

WE ENERGIES - GAS/PETROLEUM
LARRY KOCH
1921 8TH ST SOUTH
WISCONSIN RAPIDS, WI 54494
PHONE: (715) 421-7249 WORK
PHONE: (715) 421-9293 MOBILE
E-MAIL: LARRY.KOCH@WE-ENERGIES.COM

2

N

TOWN OF DEERFIELD

TOWN OF WAUTOMA

2

BEGIN PROJECT 6170-00-74
STA 220+00

END PROJECT 6170-00-74
STA 245+00

END PROJECT 6170-00-70
STA 692+51

BEGIN PROJECT 6170-00-70
STA 4+93

CTH FF

N SLATER ST

6TH AVE

CTH GG

MECAN RIVER

CREE RD

STH 21

9TH AVE

CTH B

7TH DR

C-69-001

11TH DR

C-69-017

E BR LITTLE PINE CREEK

W BR LITTLE PINE CREEK

CTH II

S FRONT ST

COLOMA CORPORATE LIMITS

CTH CH

INTERSTATE 39

TOWN OF COLOMA

TOWN OF RICHFORD

TOWN OF DAKOTA

13TH AVE

CTH T

CTH C

CTH Y

COTTONVILLE AVE

C-69-018

LUNCH CREEK

COTTONVILLE CT

16TH AVE

OAKDALE CT

B-69-048

C-69-011

STH 22

WHITE RIVER

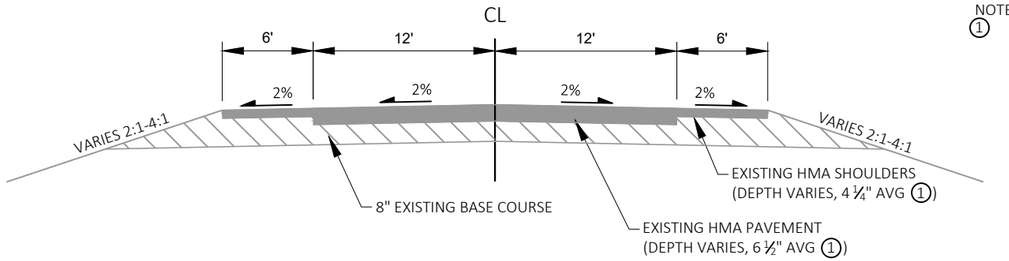
WAUTOMA CORPORATE LIMITS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PROJECT OVERVIEW	SHEET 3	E

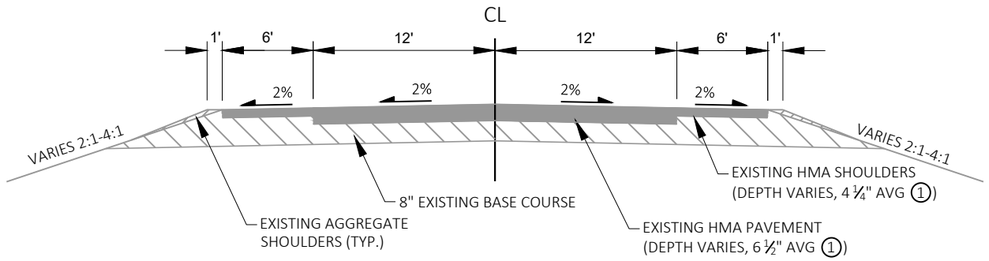
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 01-po

PLOT DATE : 7/20/2022 10:00 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:4000 FT

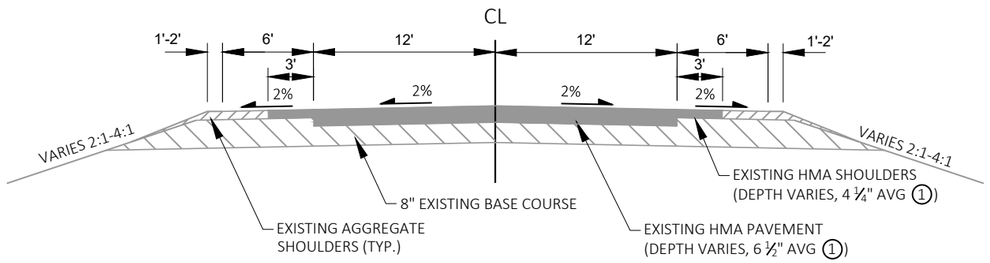
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION - STH 21
STA 4+93 TO STA 18+25



EXISTING TYPICAL SECTION - STH 21
STA 18+25 TO STA 26+00



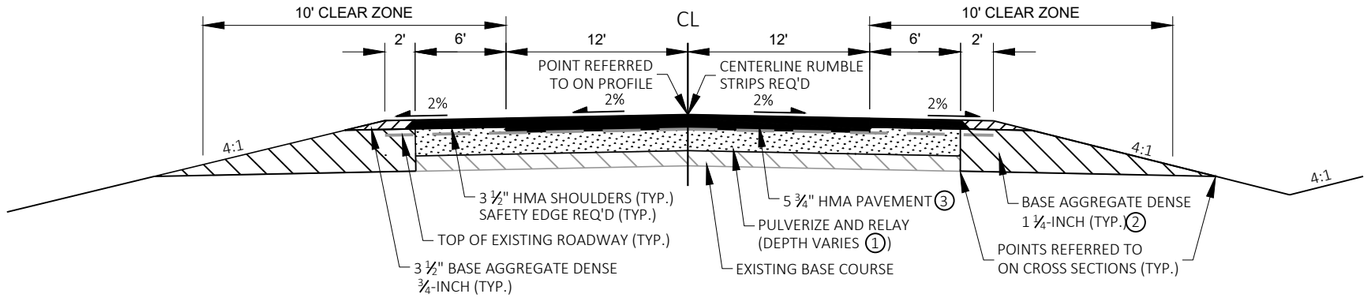
EXISTING TYPICAL SECTION - STH 21
STA 26+00 TO STA 692+51

NOTES:
(1) SEE PAVEMENT CORE LOG FOR ASPHALT THICKNESS

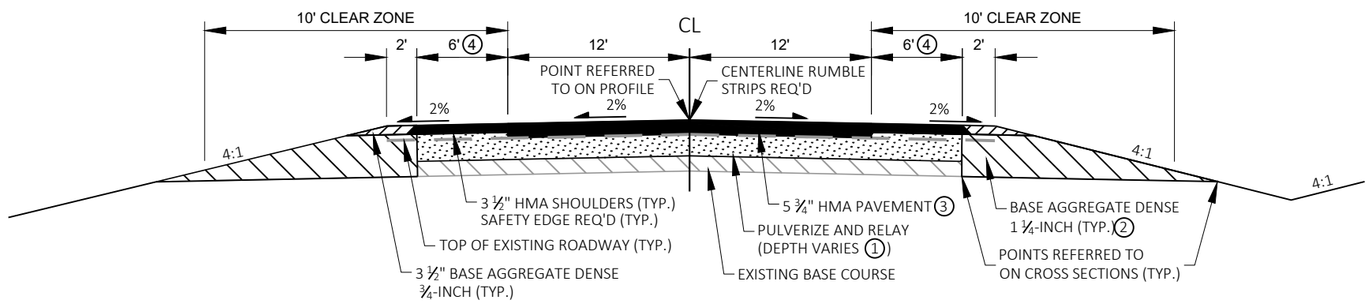
PAVEMENT CORE LOG

Core Number	Approx STA.	Offset	Pavement Thickness
1	5+06	9' RT	4.63
2	21+40	15' RT	4.5
3	37+24	6' LT	9.25
4	53+08	11.5' RT	6.63
5	68+92	6' RT	6
6	84+76	3' LT	7
7	100+60	9' LT	8
8	116+44	6' RT	5.13
9	132+28	3' RT	5.63
10	148+12	11.5' LT	3.75
11	163+96	7' RT	5.25
12	179+80	8' LT	7.25
13	195+64	13' RT	3.5
14	211+48	6' LT	6.88
15	216+69	6'RT	6.38
16	221+90	6'RT	5.5
20	243+16	8' LT	5.25
21	259+00	7' RT	8.5
22	274+84	9' LT	3.5
23	290+68	3' RT	9.63
24	306+52	5' LT	4.63
25	322+36	5' RT	7.88
26	338+20	10' RT	7.75
27	354+04	6' LT	7.13
28	369+88	9' RT	8.63
29	385+72	13' RT	4.88
30	401+56	3' LT	6.38
31	417+40	6' RT	6.5
32	433+24	6' LT	6.13
33	449+08	9' RT	7.25
34	464+92	9' LT	9.13
35	480+76	7' RT	8.13
36	496+60	7' LT	9.75
37	512+44	3' RT	7.88
38	528+28	3' LT	6
39	544+12	6' RT	6.63
40	559+96	6' LT	5.63
41	575+80	8' RT	5.88
42	591+64	8' LT	6.75
43	607+48	11' RT	4.75
44	623+32	9' LT	6.5
45	639+16	7' RT	6.63
46	655+00	5' LT	7.25

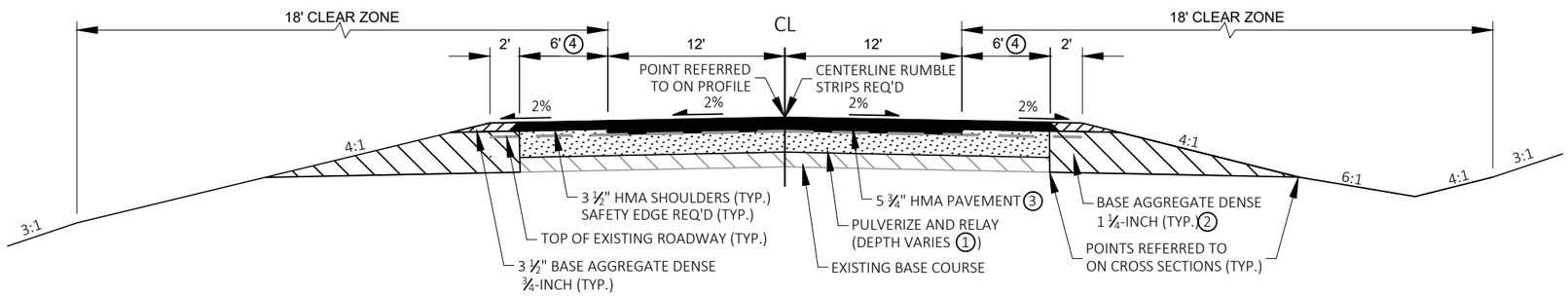
Note: Cores #17-19 did not produce any pavement thickness data, and therefore are not shown



FINISHED TYPICAL SECTION - STH 21
STA 4+93 TO STA 26+00



FINISHED TYPICAL SECTION - STH 21
STA 26+00 TO STA 33+00



FINISHED TYPICAL SECTION - STH 21
STA 33+00 TO STA 220+00
STA 649+07 TO STA 692+51

NOTES:

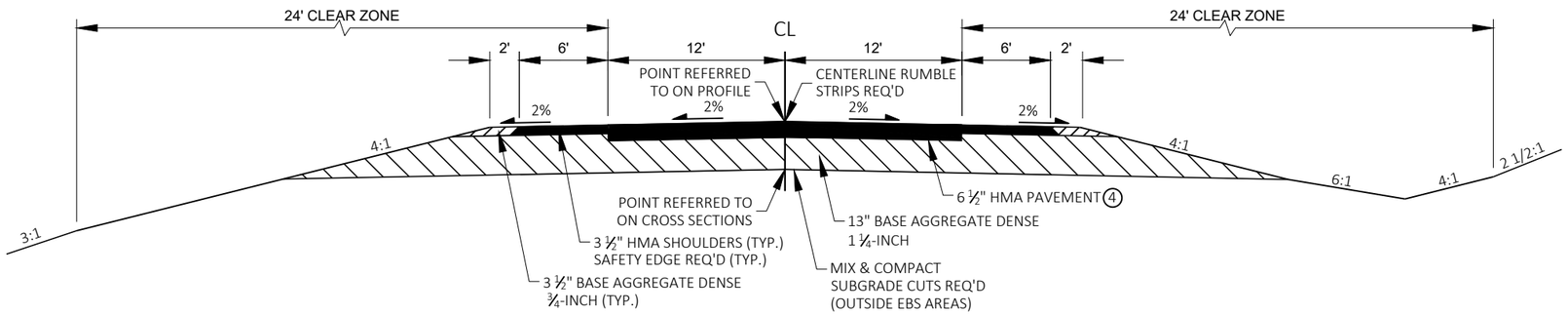
(1) PULVERIZE AND RELAY FULL DEPTH OF ASPHALT PLUS 2" (MAX) OF UNDERLYING BASE IN THE LANES. EXTEND DEPTH OF PULVERIZING IN LANES OUT THROUGH THE SHOULDERS. SEE PAVEMENT CORE LOG FOR ASPHALT THICKNESS. SHAPE RELAID MATERIAL TO ACHIEVE PROPOSED PROFILE. PULVERIZED MATERIAL FROM SHOULDER AREA SHOULD REMAIN UNDER SHOULDER.

(2) REMOVE EXISTING MATERIAL 14 ½" DEEP FROM EXISTING SURFACE TO RE-ESTABLISH SUBGRADE SHOULDER POINT. CAN WASTE EXCESS PULVERIZED MATERIAL IN THIS AREA.

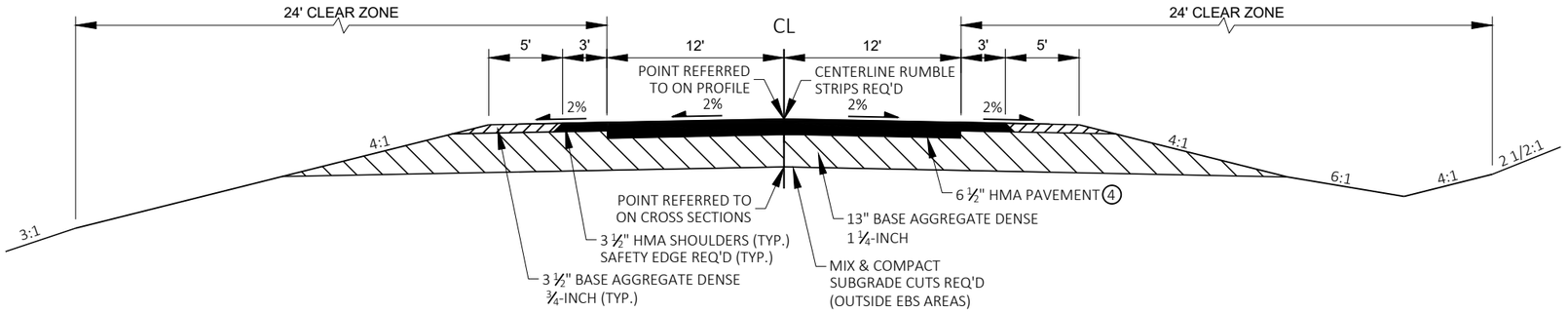
(3) TWO 1 ¾" LAYERS OF 4 MT 58-28 S OVER ONE 2 ¼" LAYER OF 3 MT 58-28 S

(4) OUTSIDE 3' OF PULVERIZED MATERIAL WILL BE FROM THE EXISTING AGGREGATE SHOULDER.

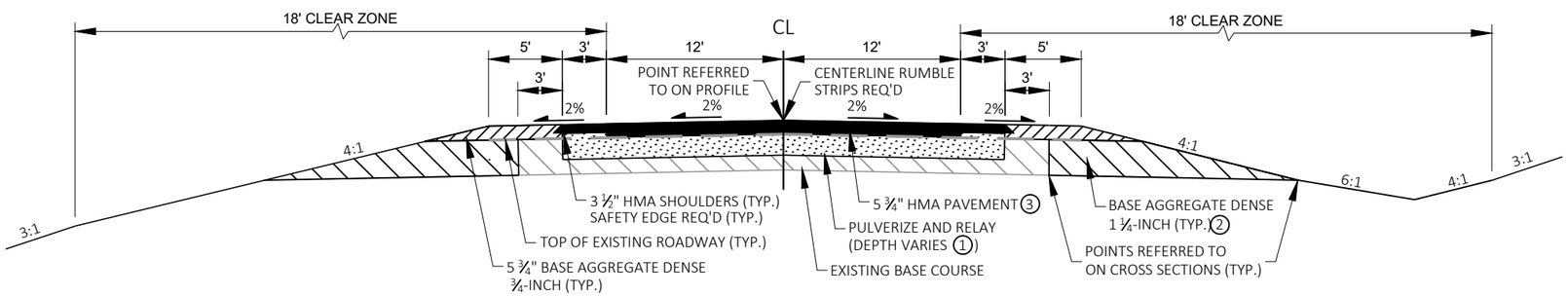
SEE CONSTRUCTION DETAILS FOR LANDSCAPING ON SHOULDERS AND SLOPES



FINISHED TYPICAL SECTION - STH 21
STA 220+00 TO STA 238+47



FINISHED TYPICAL SECTION - STH 21
STA 238+47 TO STA 245+00



FINISHED TYPICAL SECTION - STH 21
STA 245+00 TO STA 649+07

NOTES:

1. PULVERIZE AND RELAY FULL DEPTH OF ASPHALT PLUS 2" (MAX) OF UNDERLYING BASE IN THE LANES. EXTEND DEPTH OF PULVERIZING IN LANES OUT THROUGH THE SHOULDERS. SEE PAVEMENT CORE LOG FOR ASPHALT THICKNESS. SHAPE RELAID MATERIAL TO ACHIEVE PROPOSED PROFILE. PULVERIZED MATERIAL FROM SHOULDER AREA SHOULD REMAIN UNDER SHOULDER.

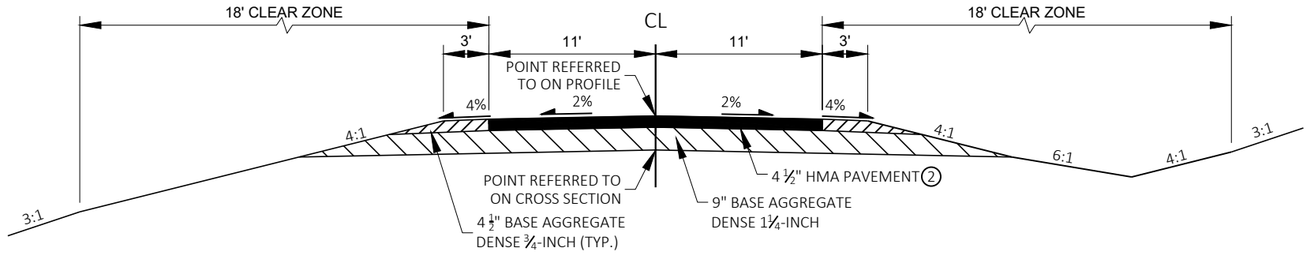
2. REMOVE EXISTING MATERIAL 14 ½" DEEP FROM EXISTING SURFACE TO RE-ESTABLISH SUBGRADE SHOULDER POINT. CAN WASTE EXCESS PULVERIZED MATERIAL IN THIS AREA.

3. TWO 1 ¾" LAYERS OF 4 MT 58-28 S OVER ONE 2 ¼" LAYER OF 3 MT 58-28 S

4. TWO 1 ¾" LAYERS OF 4 MT 58-28 S OVER ONE 3" LAYER OF 3 MT 58-28 S

SEE CONSTRUCTION DETAILS FOR LANDSCAPING ON SHOULDERS AND SLOPES

2



FINISHED TYPICAL SECTION - CTH B
STA 6+52 "I" TO STA 12+00 "I"

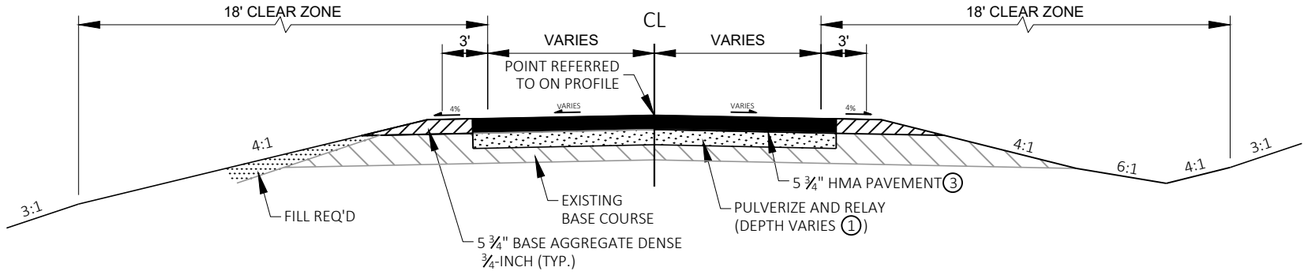
NOTES:

(1) PULVERIZE AND RELAY FULL DEPTH OF ASPHALT PLUS 2" (MAX) OF UNDERLYING BASE. SHAPE RELAID MATERIAL TO ACHIEVE PROPOSED PROFILE.

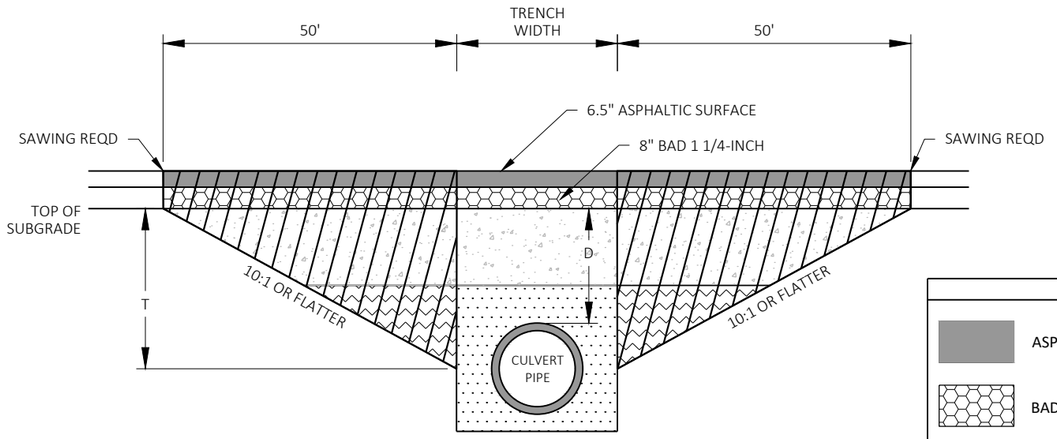
(2) 1 ¾" LAYER OF 4 MT 58-28 S OVER 2 ¾" LAYER OF 3 MT 58-28 S

(3) TWO 1 ¾" LAYERS OF 4 MT 58-28 S OVER 2 ¼" LAYER OF 3 MT 58-28 S

SEE CONSTRUCTION DETAILS FOR LANDSCAPING ON SHOULDERS AND SLOPES



FINISHED TYPICAL SECTION - SIDE ROADS

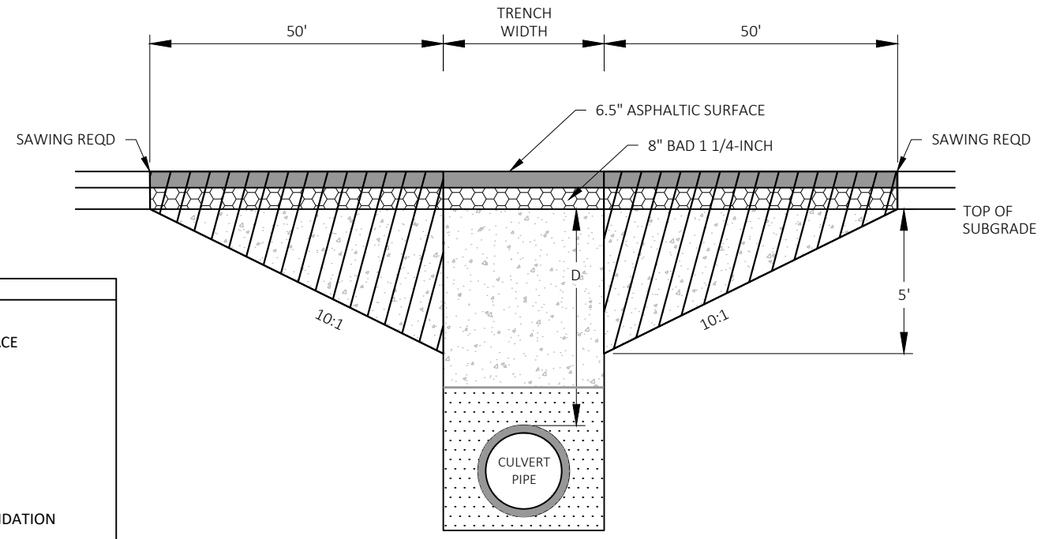


DEPTH D < 6 FT

TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE.

KEY

- ASPHALTIC SURFACE
- BAD 1 1/4-INCH
- TRENCH BACKFILL
- TRENCH OR FOUNDATION BACKFILL
- FOUNDATION BACKFILL
- TRANSITION CUT



DEPTH D ≥ 6 FT

NOTES

TRANSITION CUT IS PAID AS EXCAVATION COMMON.

TRANSITION CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT.

BACKFILL THE TRANSITION CUT AREAS WITH FOUNDATION AND TRENCH BACKFILL AS SPECIFIED IN STANDARD SPEC 520.

FOUNDATION BACKFILL NOT REQUIRED FOR CULVERT REMOVALS ONLY.

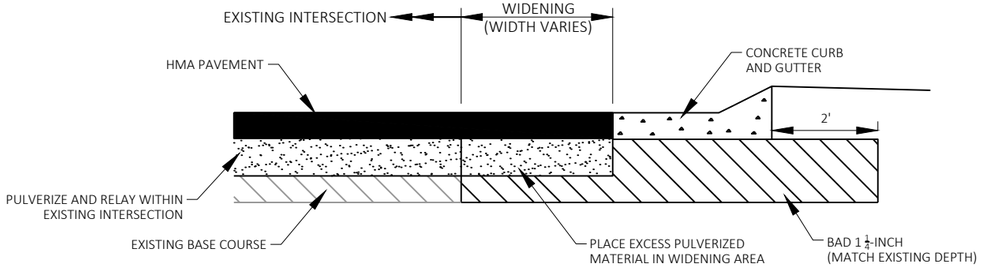
PERFORM CULVERT PIPE REMOVAL AND INSTALLATION BEFORE PULVERIZE & RELAY

ASPHALTIC SURFACE AND BAD 1 1/4-INCH DEPTHS SHOWN ARE APPROXIMATE BASED ON EXISTING TYPICAL SECTIONS. ACTUAL DEPTHS SHOULD MATCH EXISTING AT THAT LOCATION.

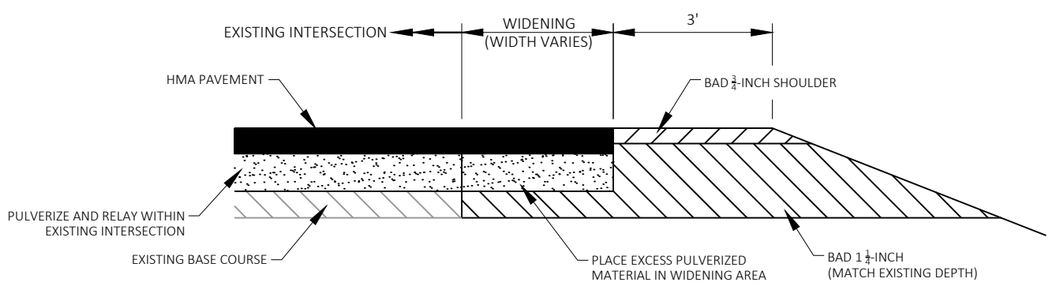
THE TRANSITION IS NOT REQUIRED FOR SIDE ROAD CULVERTS AND BOX CULVERTS. THE PAVEMENT STRUCTURE SHOWN SHOULD BE USED TO PATCH SIDE ROAD AND BOX CULVERT LOCATIONS.

CULVERT PIPE TRANSITION

ROUTE	STA (CL)	DEPTH D (FT)	PIPE DIA (IN)	REMARKS
STH 21	8+07	4	24	#69021008499 REMOVAL
STH 21	8+85	4	24	#69021008499 REPLACEMENT
STH 21	17+98	3	19X30	#69021008500 REPLACEMENT
STH 21	162+53	7	30	#69021008506 REPLACEMENT
STH 21	276+27	3	29X45	#69021008510 REPLACEMENT
STH 21	285+40	5	30	#69021008511 REPLACEMENT
STH 21	353+35	3	2-30	#69021008512 & 513 REPLACEMENT
STH 21	431+85	3	24	#69021008518 REPLACEMENT
STH 21	457+76	2	72X48	#69021008519 REMOVAL
STH 21	485+92	10	34X53	#69021008522 REPLACEMENT
STH 21	532+95	8	34X53	#69021008524 REPLACEMENT
STH 21	567+09	2	24X38	#69021008525 REPLACEMENT
STH 21	598+50	3	24	#69021008526 REPLACEMENT
STH 21	626+50	3	36	#69021008527 REPLACEMENT

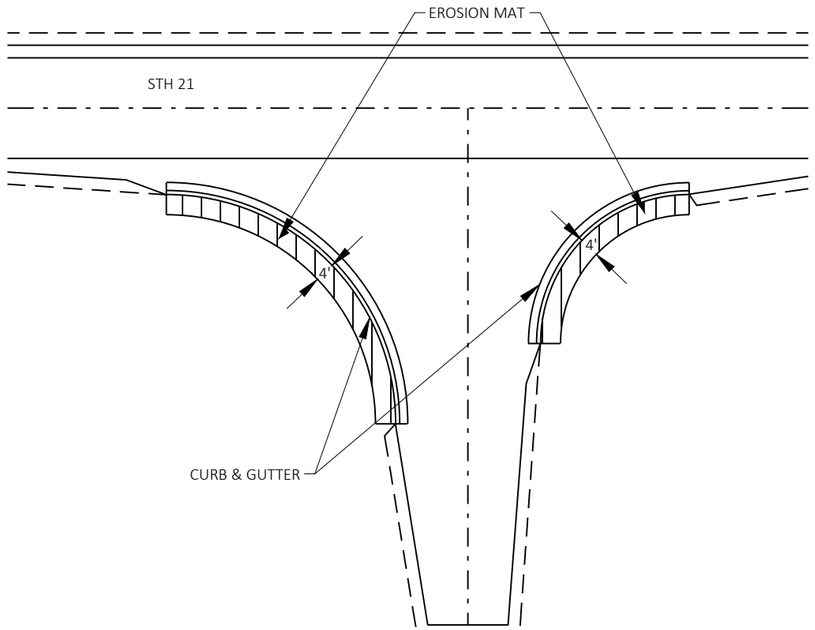


INTERSECTIONS WITH CURB & GUTTER
CTH II
CTH Y (NORTH)
CTH T

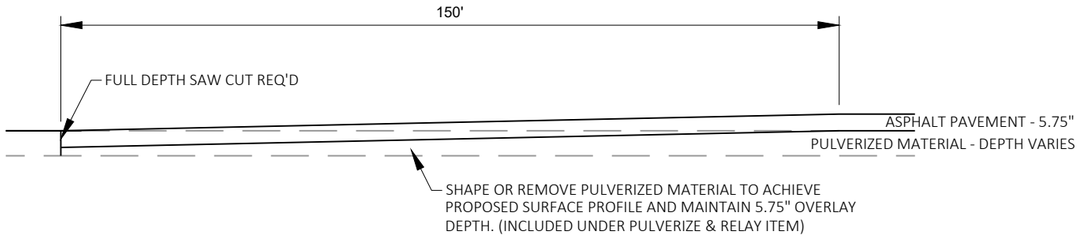


INTERSECTIONS WITHOUT CURB & GUTTER
CTH FF
CTH GG
CTH Y

INTERSECTION RADIUS WIDENING DETAIL

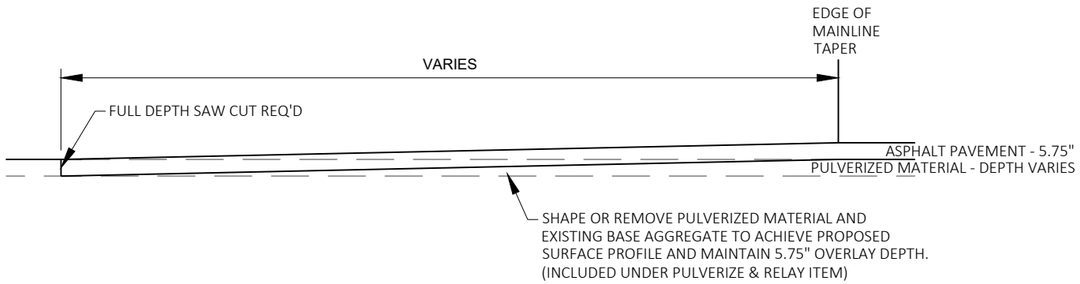


EROSION MAT DETAIL AT RURAL INTERSECTIONS



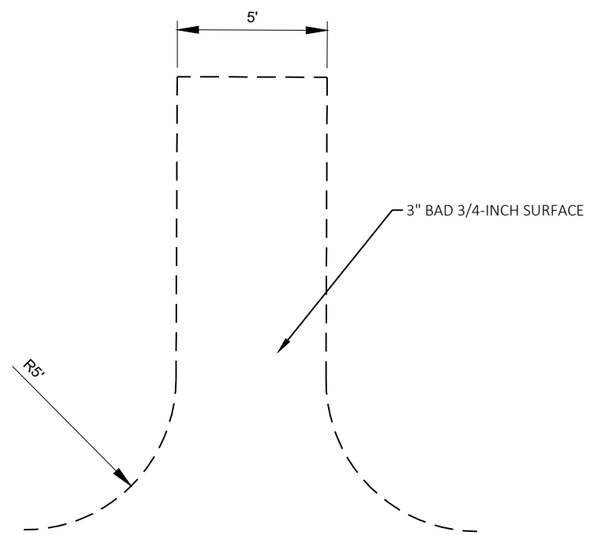
DETAIL FOR MAINLINE LIMITS

BEGIN PROJECT STA 4+93 - STA 6+43
END PROJECT STA 691+01 - STA 692+51



DETAIL FOR SIDE ROAD LIMITS

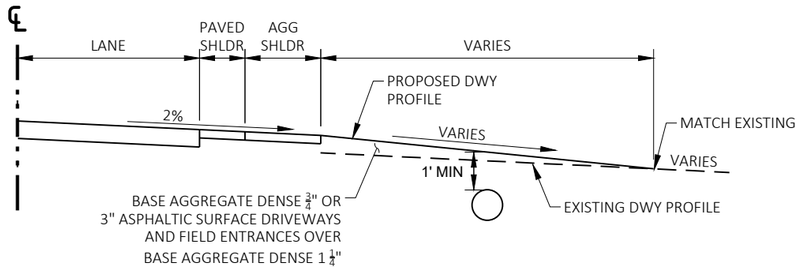
SEE SIDE ROAD PLAN & PROFILE SHEETS FOR
ADDITIONAL DETAILS ON THE PROPOSED PROFILES



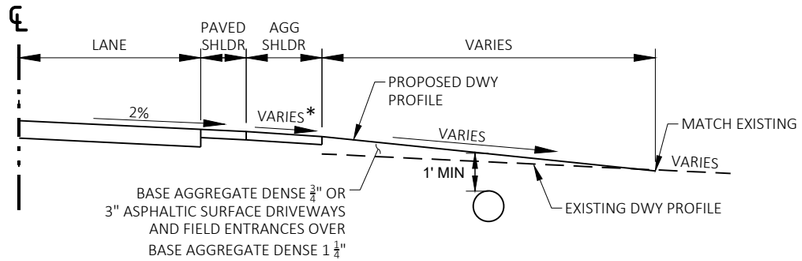
ICE AGE TRAIL CROSSING - STA 214+15

SEE PLAN SHEETS & CROSS SECTIONS FOR LENGTH AND
SLOPE OF PROPOSED ICE AGE TRAIL

SEE DRIVEWAY INTERSECTION DETAIL FOR TYPICAL CROSS
SECTION



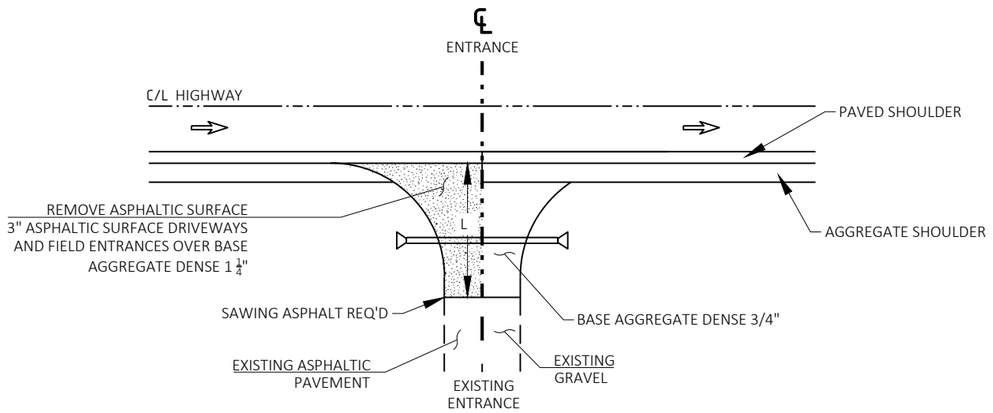
TYPICAL PROFILE VIEW



*TRANSITION BACK TO STANDARD SHOULDER SLOPE AT A RATE OF 1% PER 20 FT

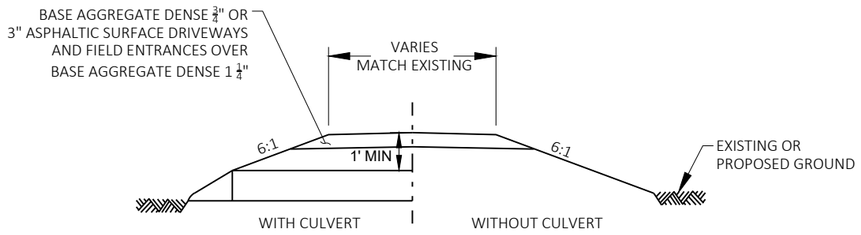
PROFILE VIEW FOR ADJUSTED SHOULDER SLOPE

STA 10+20 RT	STA 299+07 RT
STA 10+58 RT	STA 302+99 RT
STA 35+91 RT	STA 373+78 RT
STA 37+01 RT	STA 467+33 RT
STA 296+68 RT	STA 631+86 LT



L=VARIABLE, SEE PLAN SHEETS & CROSS SECTIONS

PLAN VIEW



TYPICAL CROSS SECTION

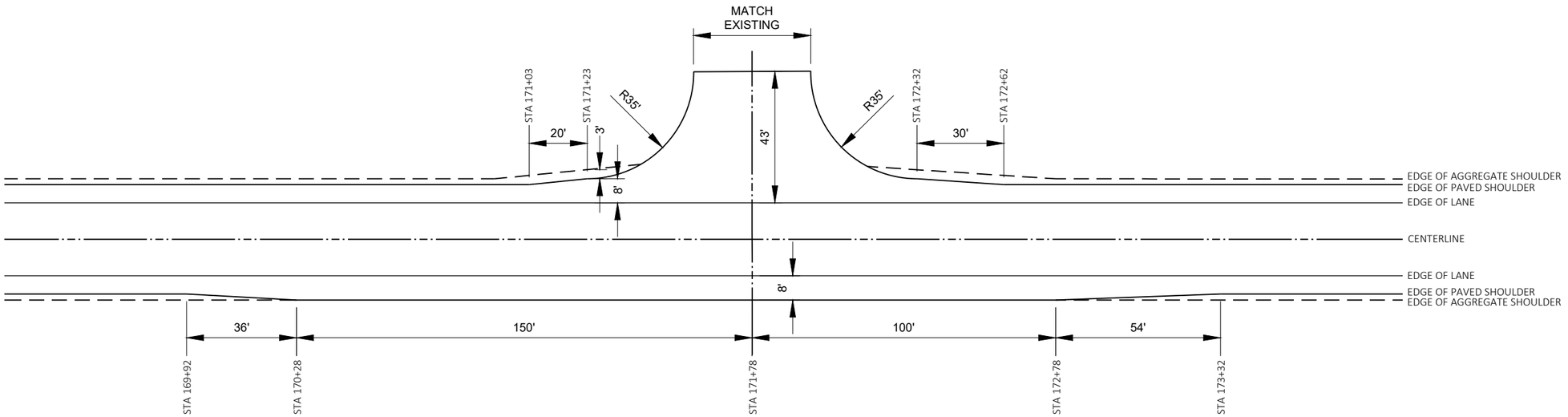
DRIVEWAY INTERSECTION

SEE CROSS SECTIONS & PLAN SHEETS FOR LENGTH AND SLOPE OF PROPOSED DRIVEWAY IMPROVEMENTS

SEE PLAN SHEETS FOR LOCATION, SIZE, AND INVERTS OF DRIVEWAY CULVERTS

MATCH EXISTING DRIVEWAY WIDTH, RADII, AND GEOMETRICS

2



COMMERCIAL ENTRANCE - STA 171+78

SEE PLAN SHEETS & CROSS SECTIONS FOR LENGTH AND SLOPE OF PROPOSED ENTRANCE

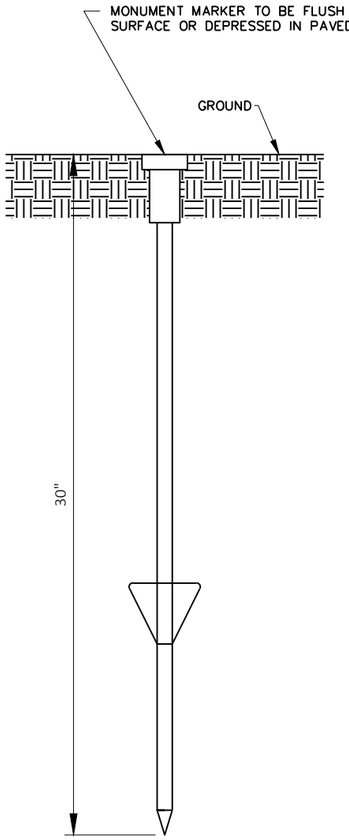
SEE DRIVEWAY INTERSECTION DETAIL FOR TYPICAL CROSS SECTION

2



WIS DOT MONUMENT CAP MARKER LOGO (SSDR130)

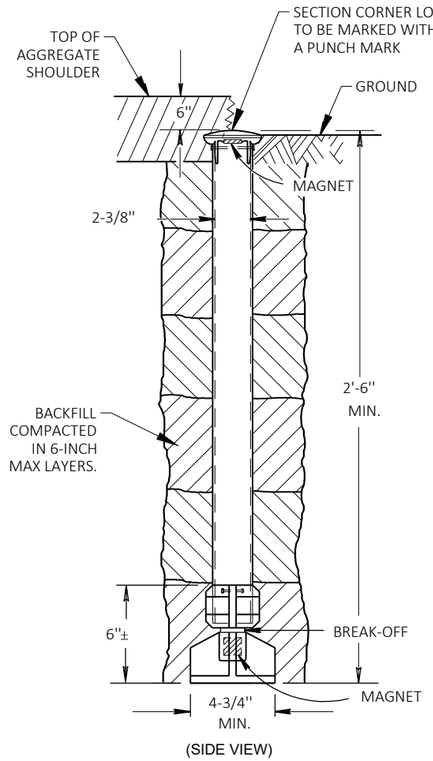
CONTRACTOR TO ORDER LANDMARK REFERENCE MONUMENTS WITH THE ABOVE STAMPING



(FRONT VIEW)

BERNSTEN DRIVABLE MONUMENT SSDR130

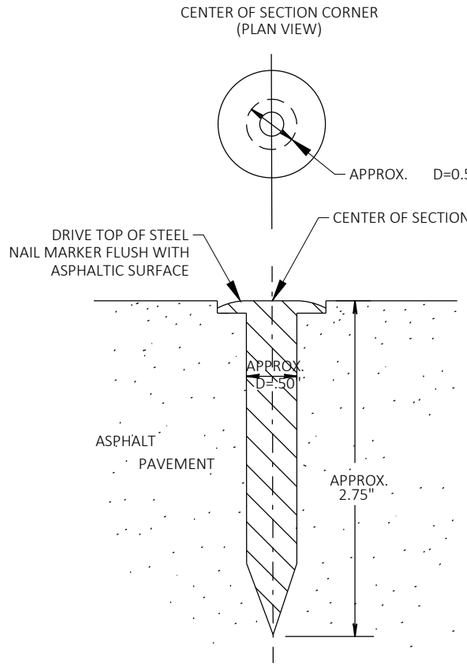
LANDMARK REFERENCE MONUMENT (TIES ONLY)



(SIDE VIEW)

OUTSIDE OF PAVEMENT

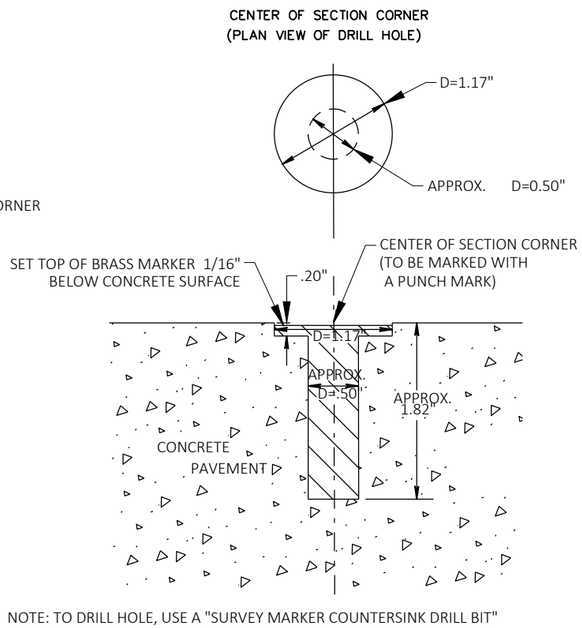
BERNTSEN A1BR30 ALUMINUM BREAK-OFF MONUMENT



(SIDE VIEW)

IN ASPHALTIC PAVEMENT

BERNTSEN SNM1 STEEL NAIL MARKER



NOTE: TO DRILL HOLE, USE A "SURVEY MARKER COUNTERSINK DRILL BIT" ITEM #BPMDRL, AVAILABLE FROM BERNTSEN INTERNATIONAL INC.

(SIDE VIEW OF DRILL HOLE)

IN CONCRETE PAVEMENT

BERNTSEN BP - 1 BRASS MARKER WITH ANCHOR PLUG

SECTION CORNER MONUMENTS

GENERAL NOTES

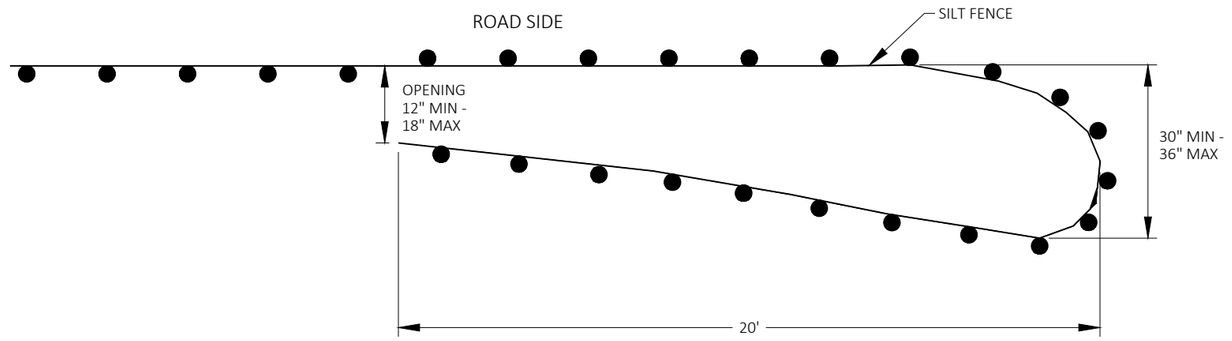
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

LOCATE LANDMARK REFERENCE MONUMENTS OUTSIDE THE CONSTRUCTION LIMITS AND WITHIN WISDOT RIGHT OF WAY. LOCATION TO BE APPROVED BY THE ENGINEER.

CONTRACTOR WILL SUPPLY ALL REQUIRED SURVEY MONUMENTS.

SECTION CORNER MONUMENT AND LANDMARK REFERENCE MONUMENT DETAIL

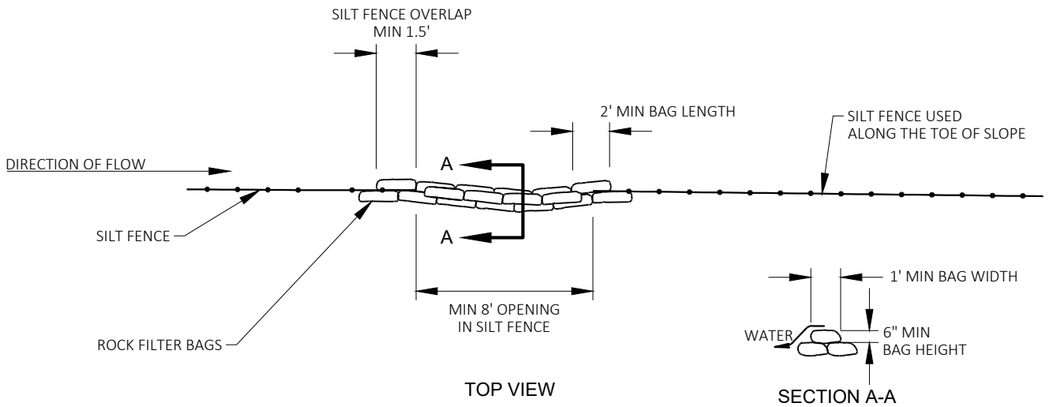
2



PLAN VIEW

TEMPORARY SMALL ANIMAL TURN-AROUND

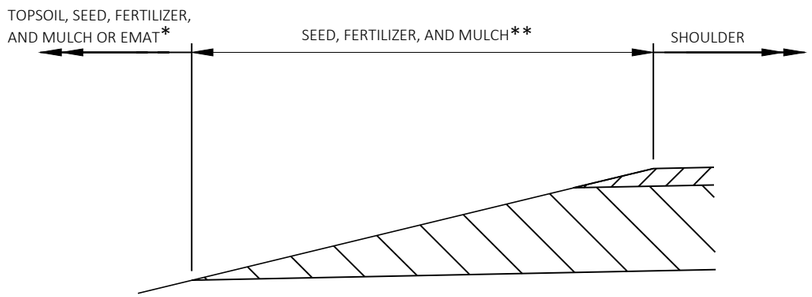
GENERAL NOTES:
SILT FENCE POSTS FOR THE TURN-AROUND SHOULD BE ON THE OUTSIDE OF THE TURN-AROUND. AND TRENCHED IN ACCORDING TO SILT FENCE REQUIREMENTS.



TOP VIEW

SECTION A-A

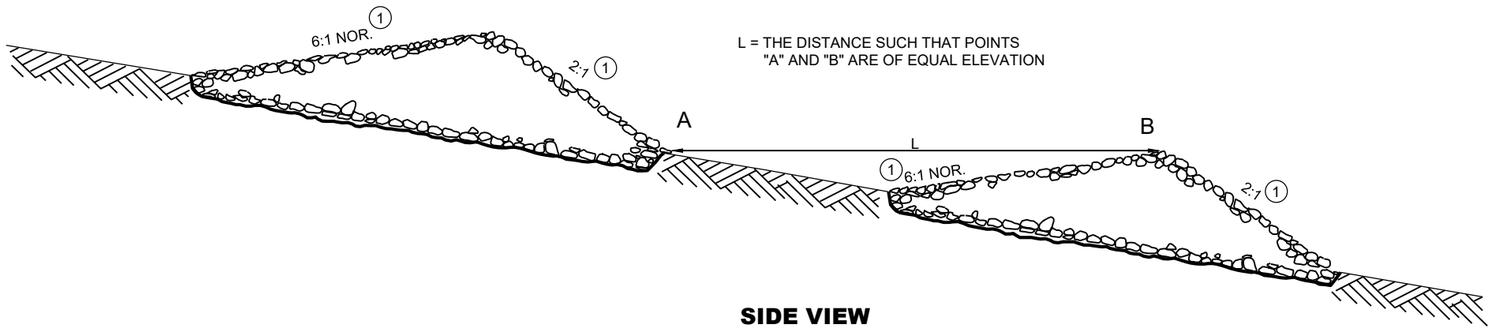
ROCK BAGS USED FOR SILT FENCE RELIEF



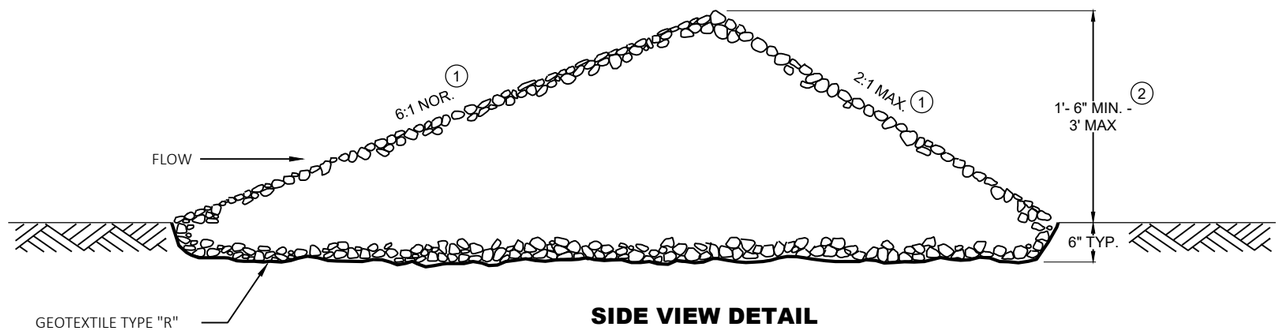
LANDSCAPING ON SHOULDER FORESLOPE

*AS SHOWN IN EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER

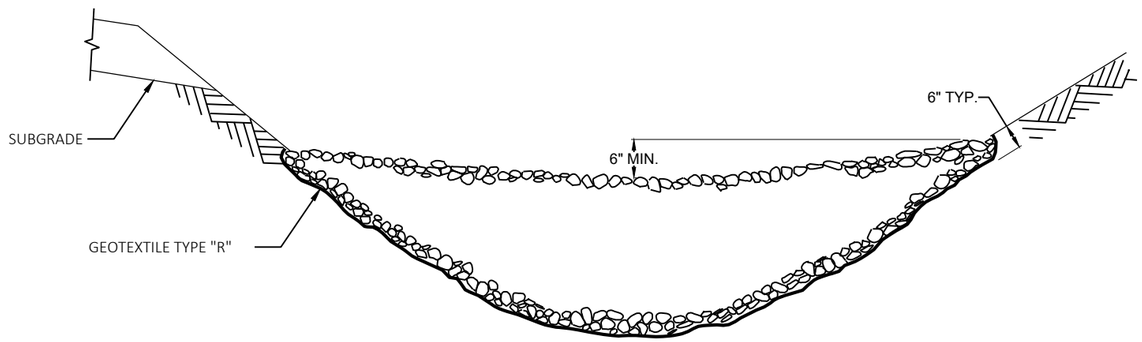
**USE EMAT ON SHOULDER FORESLOPE ON THE LOW SIDE OF SUPERELEVATED CURVES



SIDE VIEW



SIDE VIEW DETAIL

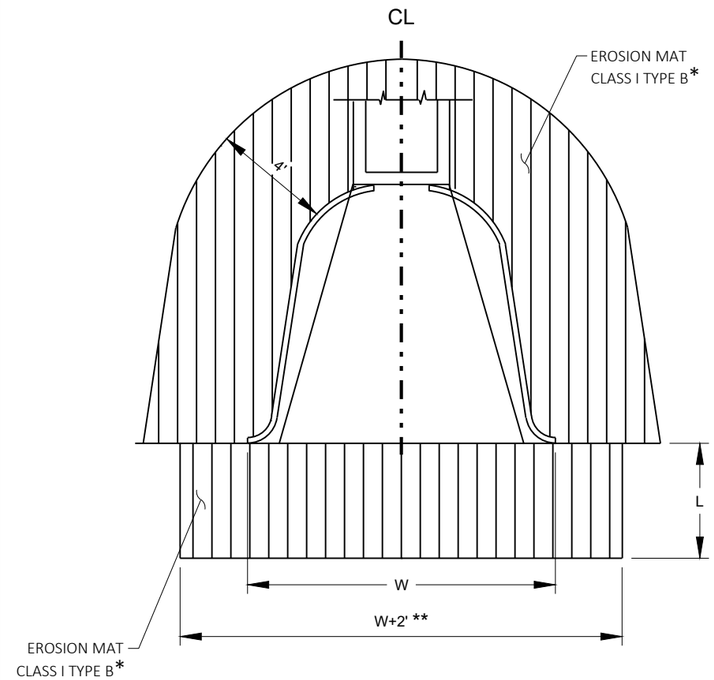


SECTION VIEW

STONE DITCH CHECK

(1) WHEN PLACED WITHIN THE CLEAR ZONE, SLOPED AT 6:1 OR FLATTER.

(2) MEASURED AT THE CENTER OF THE DITCH CHECK.



L = 3 TIMES DIAMETER, 10 FT MIN, OR TO R/W
INCREASE IF WARRANTED

*EROSION MAT URBAN CLASS I TYPE REQ'D IN WETLAND AREAS. EROSION MAT CLASS III TYPE D REQ'D AT STA 353+35 RT AND STA 504+77 LT.

**WHERE EROSION MAT CLASS III TYPE D IS REQUIRED, EXTEND THE EROSION MAT 5' UP THE ADJACENT DRIVEWAY SLOPE

EROSION CONTROL AT PIPE ENDS

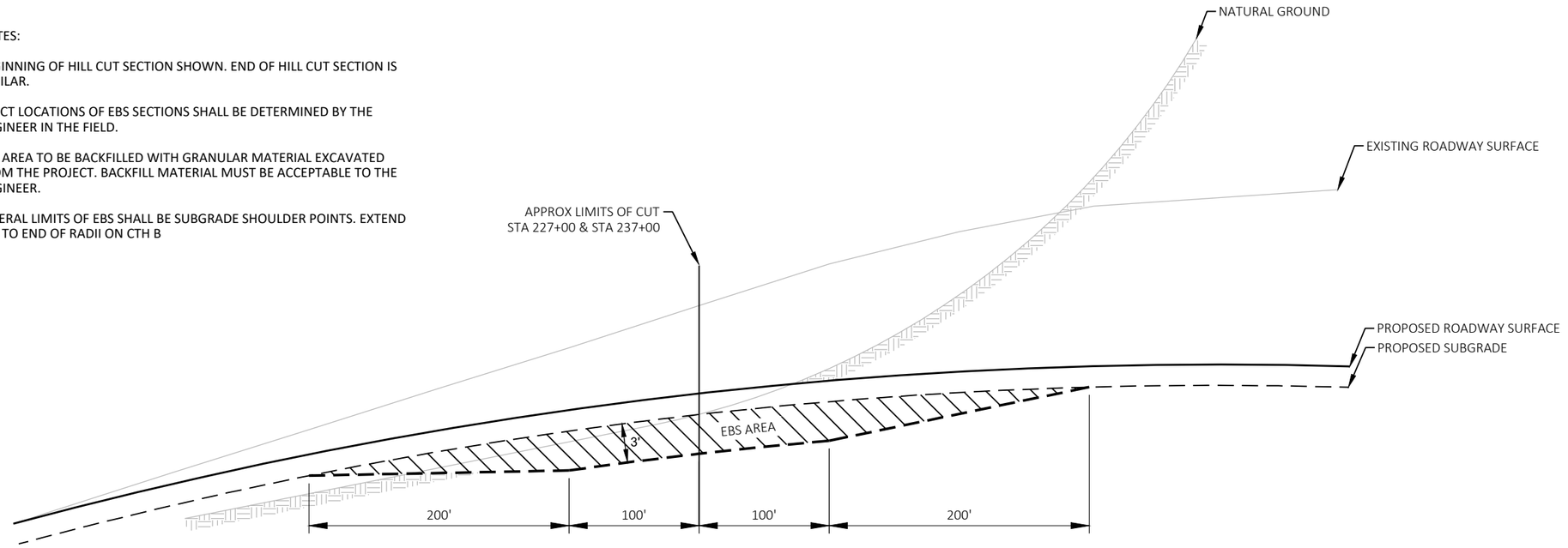
NOTES:

BEGINNING OF HILL CUT SECTION SHOWN. END OF HILL CUT SECTION IS SIMILAR.

EXACT LOCATIONS OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

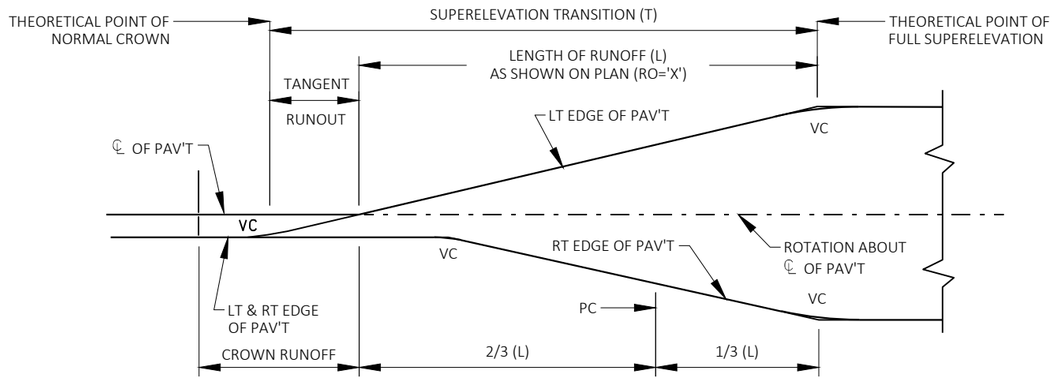
EBS AREA TO BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM THE PROJECT. BACKFILL MATERIAL MUST BE ACCEPTABLE TO THE ENGINEER.

LATERAL LIMITS OF EBS SHALL BE SUBGRADE SHOULDER POINTS. EXTEND EBS TO END OF RADII ON CTH B



DETAIL FOR EBS IN CUT SECTION

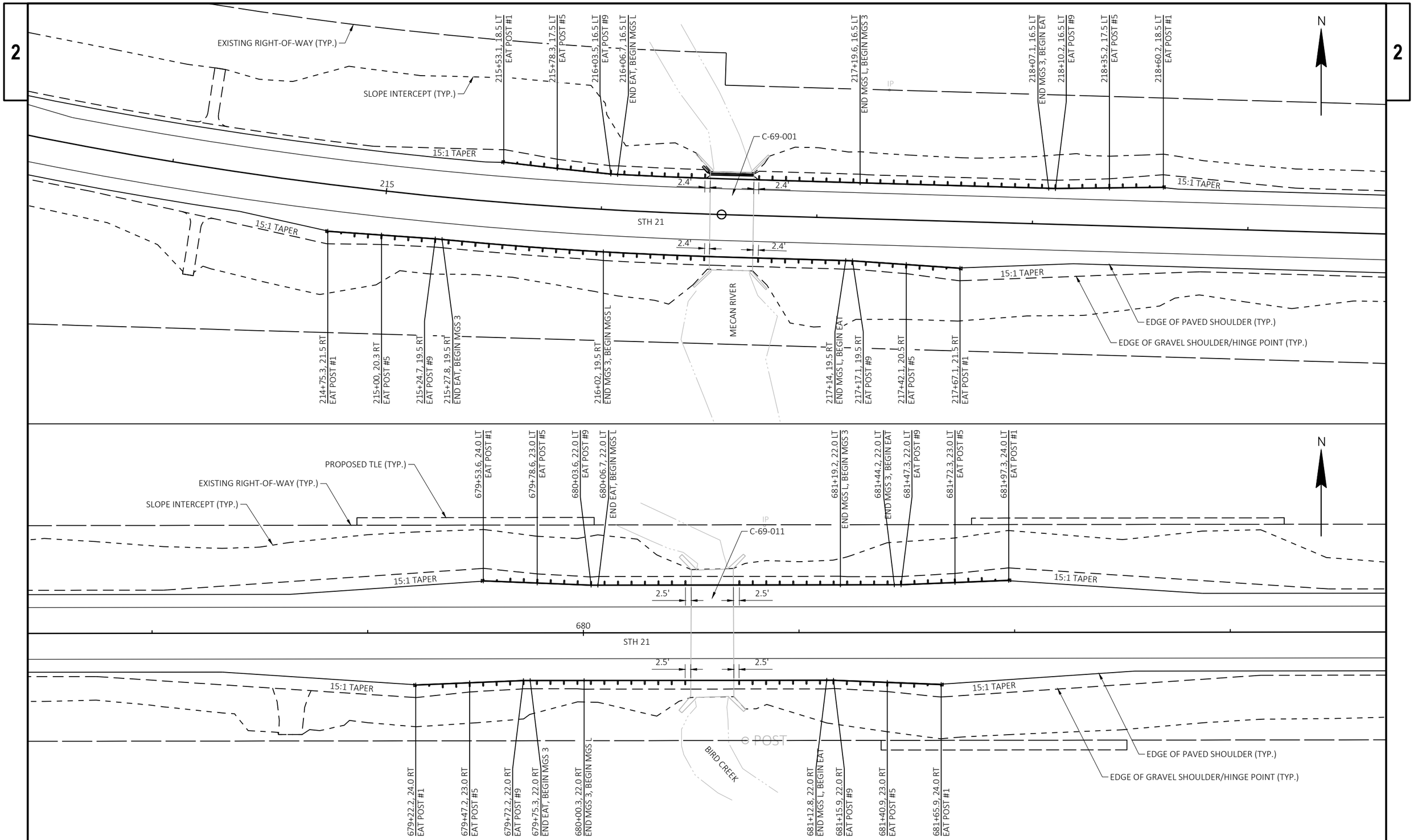
STA 224+00 - STA 230+00
STA 234+00 - STA 240+00



VC = VERTICAL CURVE
PC = BEGINNING OF HORIZONTAL CURVE

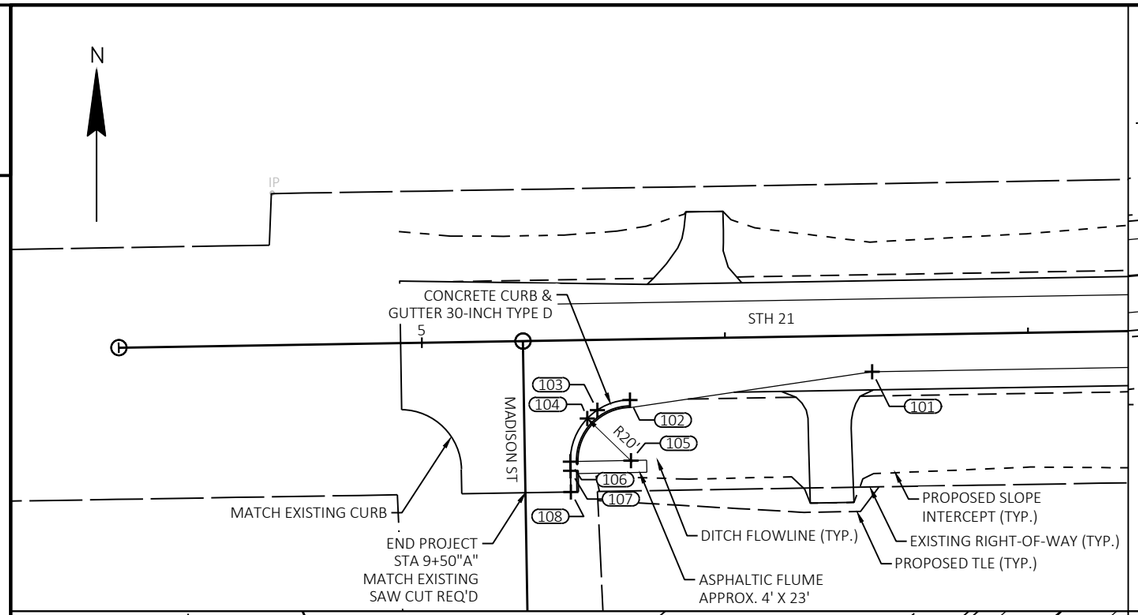
TYPICAL SUPERELEVATION TRANSITION COMPUTATION MODEL

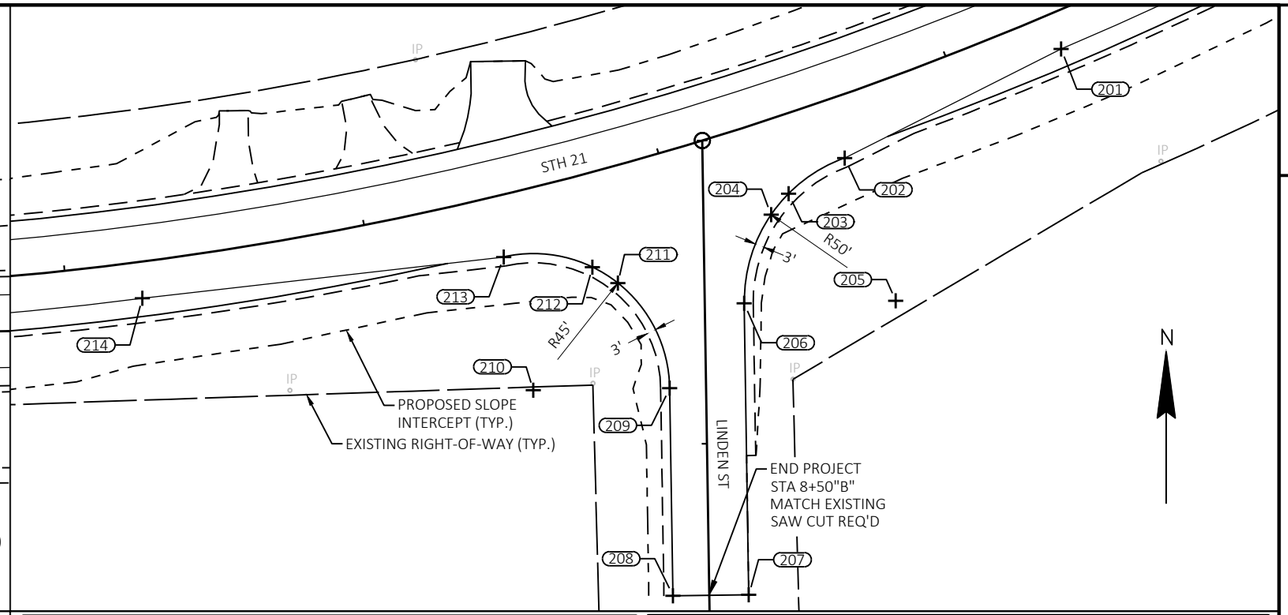
PROFILE OF CURVE TO RIGHT

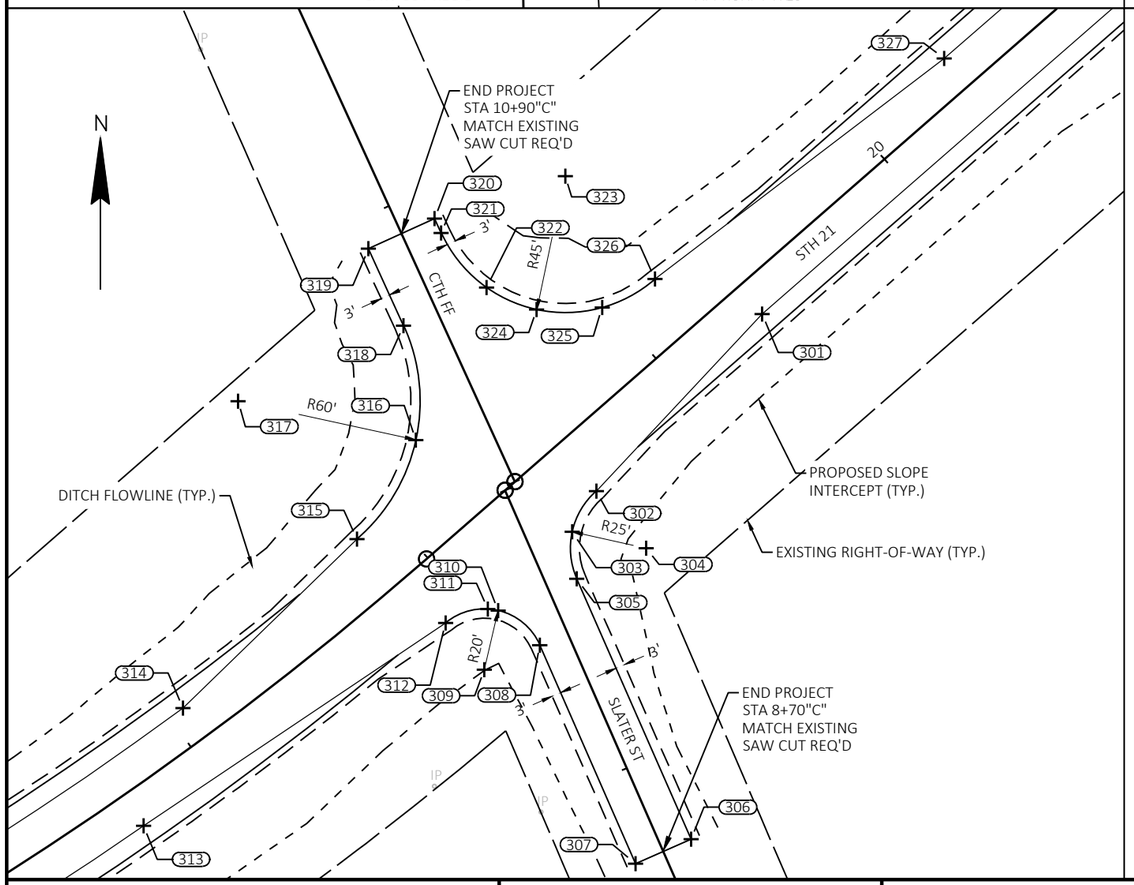


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	BEAM GUARD DETAILS	SHEET 17	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\021002-BG.DWG
LAYOUT NAME - Plan 1 IN 40 FT
PLOT DATE : 7/20/2022 10:13 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



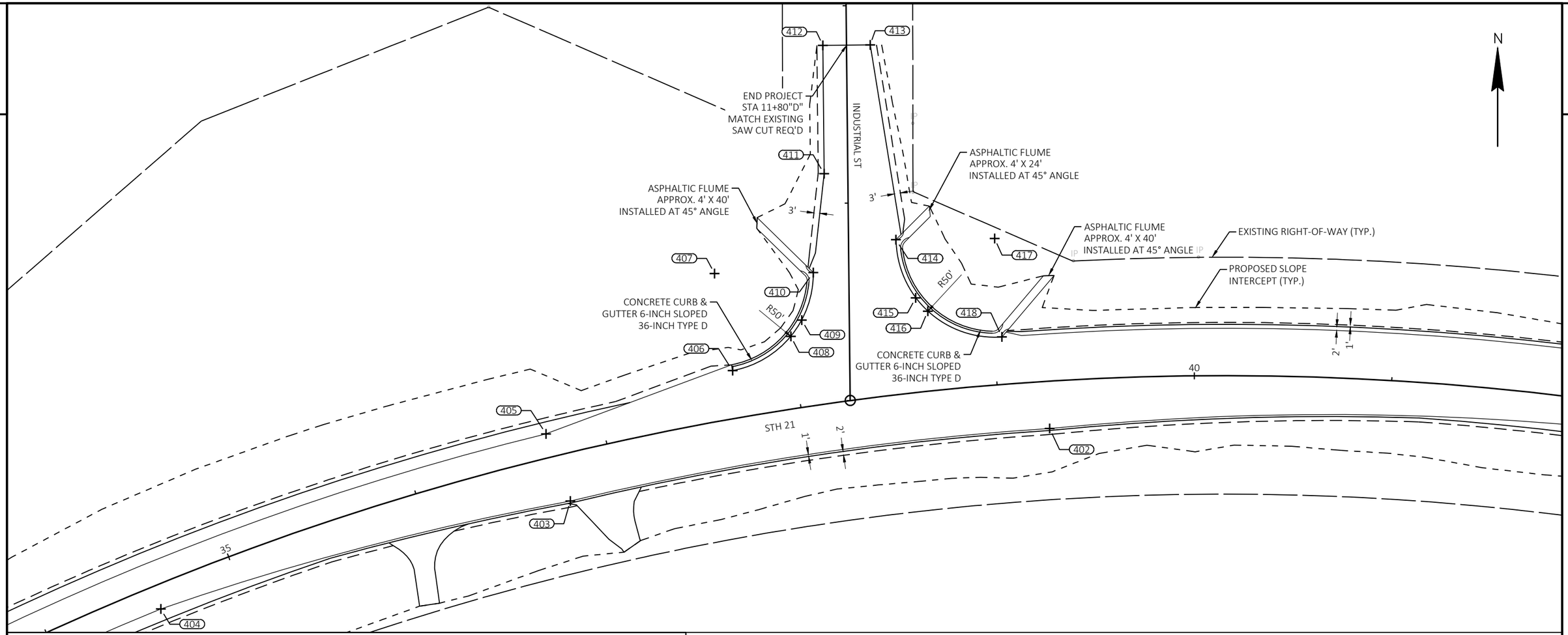


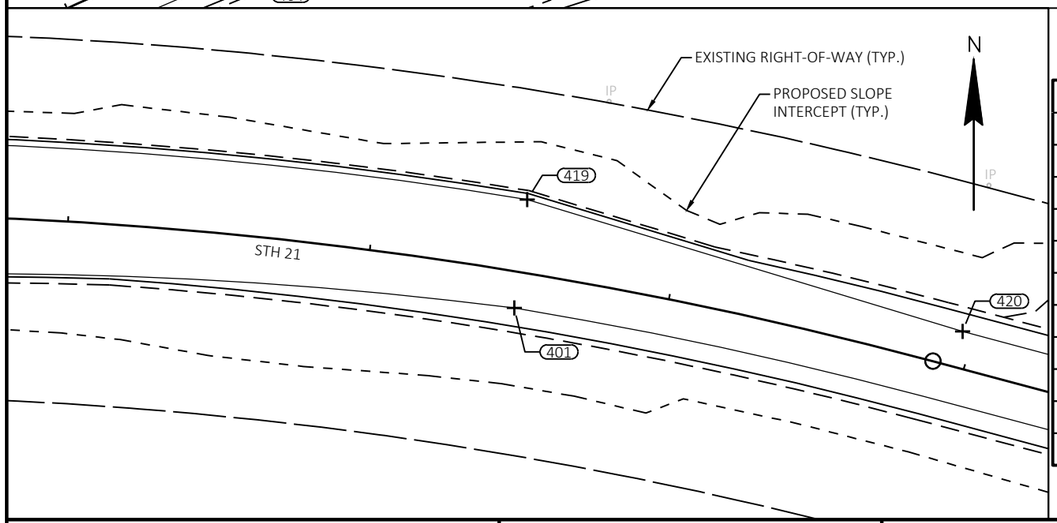


STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
101	6+48.3	12.0 RT	119352.854	320795.537	1032.48	LANE EDGE
102	5+68.3	20.0 RT	119343.542	320715.680	1032.82	CURB FLAG
103	5+57.6	23.2 RT	119340.202	320704.938	1032.76	CURB FLAG
104	5+54.2	25.9 RT	119337.449	320701.631	1032.61	CURB FLAG
105	5+68.3	40.0 RT	119323.545	320716.007		RADIUS
106	9+60.0"A"	15.0 RT	119323.205	320696.010	1032.07	CURB FLAG
107	9+50.0"A"	15.0 RT	119320.231	320696.060	1031.99	CURB FLAG
108	9+50.0"A"	21.0 LT	119313.232	320696.179	1031.99	CURB FLAG
201	14+36.1	12.0 RT	119450.206	321575.514	1034.36	LANE EDGE
202	13+57.6	20.0 RT	119414.201	321504.079	1035.03	PVMT EDGE
203	13+36.7	25.3 RT	119402.425	321485.580	1034.90	PVMT EDGE
204	13+29.3	30.1 RT	119395.589	321479.821	1034.58	PVMT EDGE
205	13+58.1	70.0 RT	119367.126	321520.929		RADIUS
206	9+46.1"B"	13.0 RT	119366.333	321470.935	1033.46	PVMT EDGE
207	8+50.0"B"	13.0 RT	119270.212	321472.457	1030.44	PVMT EDGE
208	8+50.0"B"	12.0 LT	119269.816	321447.464	1030.58	PVMT EDGE
209	9+18.6"B"	12.0 LT	119338.363	321446.376	1032.17	PVMT EDGE
210	12+41.9	65.0 RT	119337.649	321401.382		RADIUS
211	12+76.0	37.5 RT	119372.992	321429.236	1034.31	PVMT EDGE
212	12+69.4	30.3 RT	119378.235	321420.819	1034.81	PVMT EDGE
213	12+42.4	20.0 RT	119381.564	321391.560	1035.09	PVMT EDGE
214	11+24.2	12.0 RT	119367.990	321272.330	1034.71	LANE EDGE
301	19+36.0	12.0 RT	119734.019	321988.273	1032.47	LANE EDGE
302	18+56.4	20.0 RT	119675.633	321933.571	1032.14	PVMT EDGE
303	18+41.6	24.8 RT	119662.253	321925.616	1032.06	PVMT EDGE

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
304	18+56.4	45.0 RT	119656.802	321950.014		RADIUS
305	9+63.8"C"	10.0 RT	119646.760	321927.120	1031.53	PVMT EDGE
306	8+70.0"C"	10.0 RT	119560.834	321964.810	1028.48	PVMT EDGE
307	8+70.0"C"	10.0 LT	119552.800	321946.495	1028.48	PVMT EDGE
308	9+48.7"C"	10.0 LT	119624.837	321914.897	1030.83	PVMT EDGE
309	17+90.1	40.1 RT	119616.751	321896.604		RADIUS
310	18+06.1	28.4 RT	119636.215	321901.205	1031.98	PVMT EDGE
311	18+03.8	25.7 RT	119636.719	321897.740	1032.20	PVMT EDGE
312	17+90.4	20.1 RT	119632.136	321883.825	1032.58	PVMT EDGE
313	16+72.3	12.0 RT	119565.258	321784.188	1033.44	LANE EDGE
314	17+05.5	12.0 LT	119604.108	321797.225	1032.12	LANE EDGE
315	17+86.3	20.0 LT	119659.864	321854.585	1031.42	PVMT EDGE
316	18+22.6	31.9 LT	119692.473	321874.008	1031.47	PVMT EDGE
317	17+85.9	80.0 LT	119705.296	321815.394		RADIUS
318	10+62.1"C"	12.0 LT	119730.212	321869.976	1030.76	PVMT EDGE
319	10+90.0"C"	12.0 LT	119755.594	321858.389	1030.54	PVMT EDGE
320	10+90.0"C"	12.0 RT	119765.560	321880.222	1030.54	PVMT EDGE
321	10+84.8"C"	12.0 RT	119760.836	321882.379	1030.57	PVMT EDGE
322	10+62.2"C"	18.1 RT	119742.773	321897.346	1030.90	PVMT EDGE
323	19+17.0	65.0 LT	119779.523	321923.315		RADIUS
324	18+80.9	38.1 LT	119735.534	321913.829	1031.35	PVMT EDGE
325	18+97.6	24.4 LT	119736.198	321935.479	1031.90	PVMT EDGE
326	19+17.0	20.0 LT	119745.626	321952.912	1032.20	PVMT EDGE
327	20+36.7	12.0 LT	119818.353	322048.364	1033.37	LANE EDGE

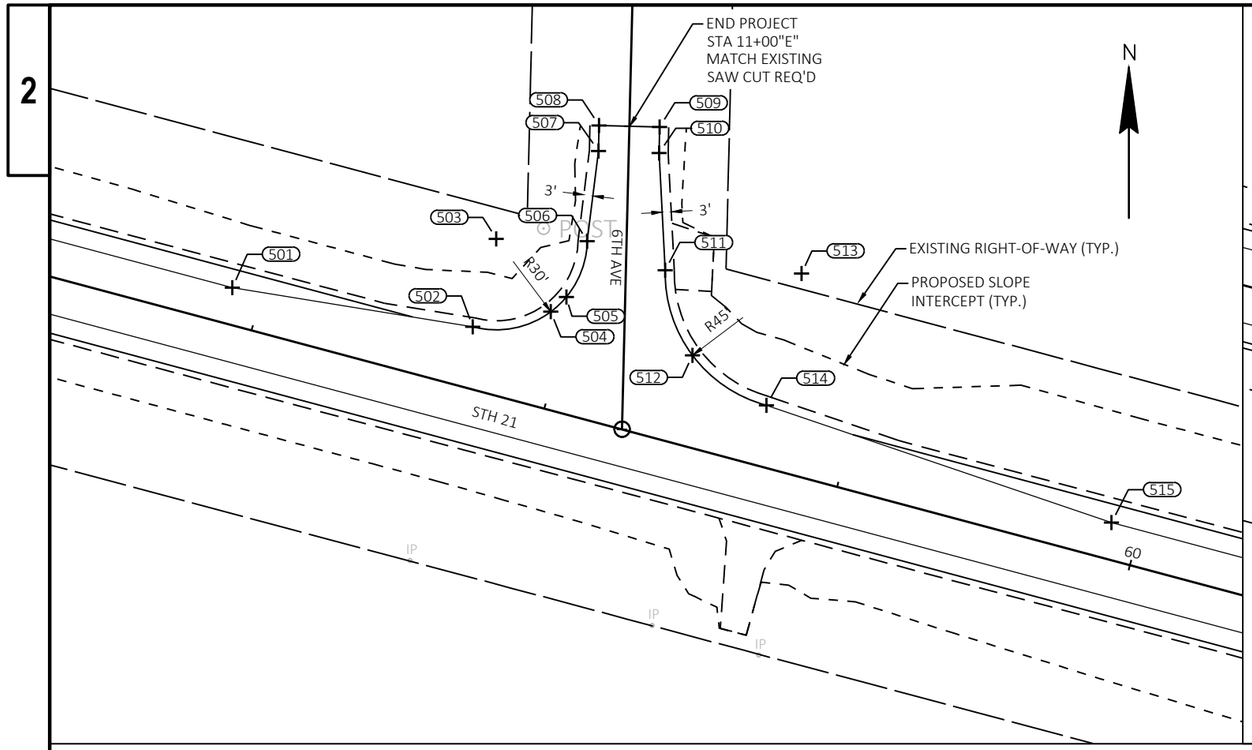
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	INTERSECTION DETAILS	SHEET 18	E

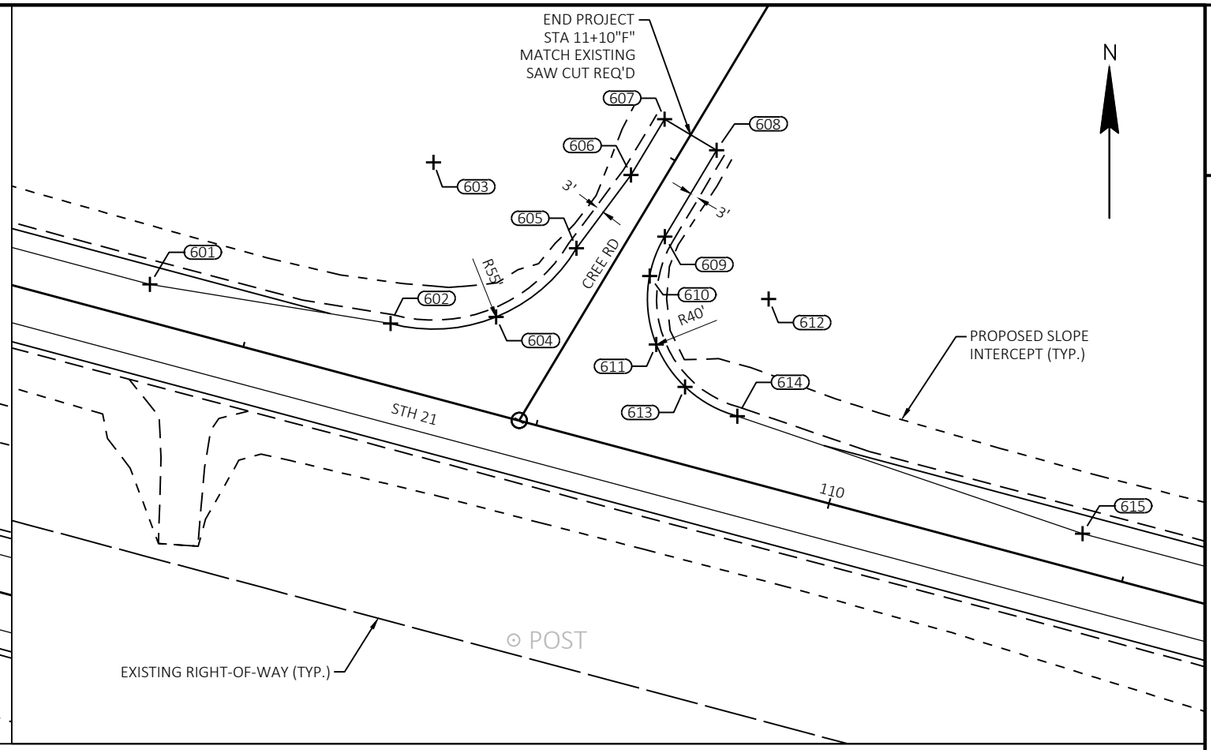




STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
401	42+50.2	12.0 RT	120756.893	323946.182	1014.45	LANE EDGE
402	39+25.2	24.0 RT	120761.122	323625.759	1018.27	BYPASS LANE EDGE
403	36+75.2	24.0 RT	120724.372	323383.024	1022.85	BYPASS LANE EDGE
404	34+58.2	12.0 RT	120669.792	323175.685	1027.70	LANE EDGE
405	36+71.3	12.0 LT	120758.436	323370.755	1025.08	LANE EDGE
406	37+69.1	24.0 LT	120790.437	323465.193	1023.54	CURB FLAG
407	37+68.6	74.0 LT	120839.597	323456.071		RADIUS
408	38+00.4	36.4 LT	120807.831	323494.682	1022.61	CURB FLAG
409	10+41.0"D"	24.1 LT	120816.085	323500.197	1022.35	CURB FLAG
410	10+65.0"D"	18.0 LT	120840.118	323506.068	1021.84	CURB FLAG

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
411	11+15.0"D"	12.0 LT	120890.178	323511.547	1019.80	PVMT EDGE
412	11+80.0"D"	12.0 LT	120955.166	323510.871	1017.33	PVMT EDGE
413	11+80.0"D"	12.0 RT	120955.416	323534.869	1017.33	PVMT EDGE
414	10+81.3"D"	24.0 RT	120856.820	323547.896	1020.71	CURB FLAG
415	10+51.7"D"	33.7 RT	120827.330	323557.901	1021.70	CURB FLAG
416	38+68.9	40.3 LT	120820.542	323564.042	1021.57	CURB FLAG
417	39+04.5	73.9 LT	120857.338	323597.892		RADIUS
418	39+04.3	24.0 LT	120807.549	323601.538	1021.01	CURB FLAG
419	42+48.6	24.0 LT	120792.679	323950.414	1016.02	TUEN LANE EDGE
420	43+96.4	12.0 LT	120749.190	324093.997	1014.58	LANE EDGE

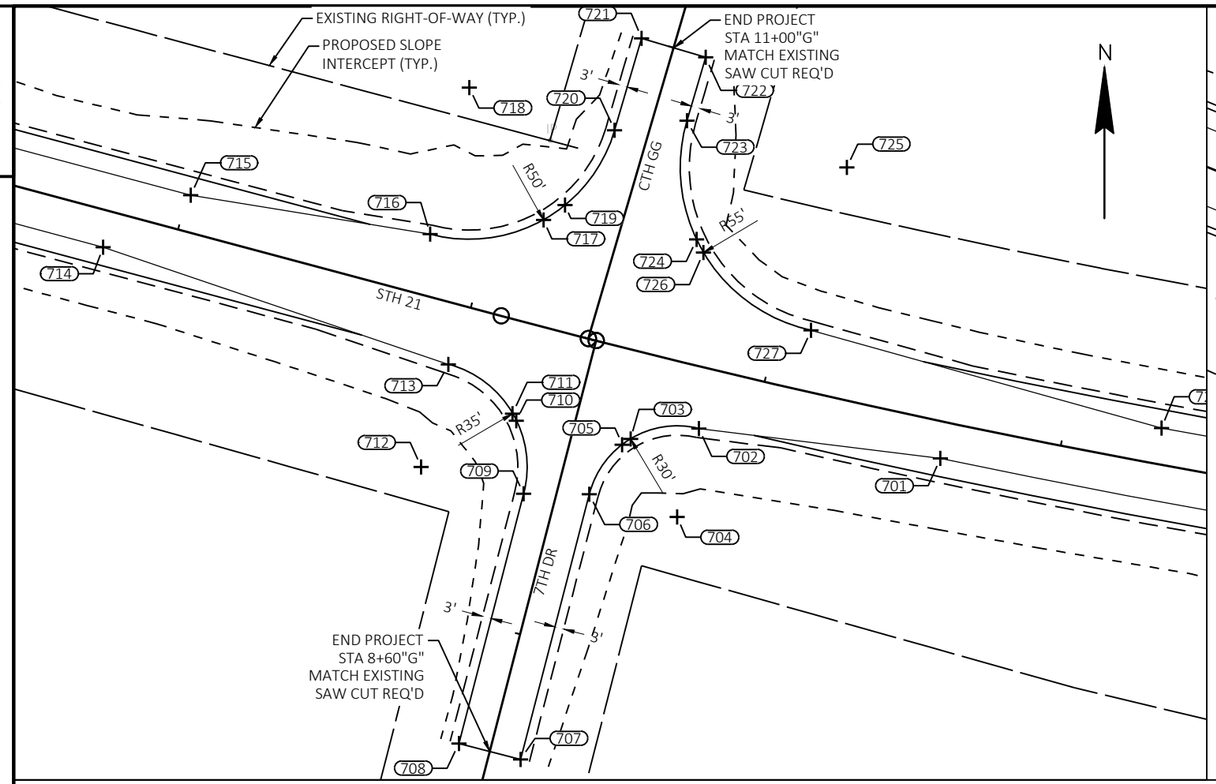


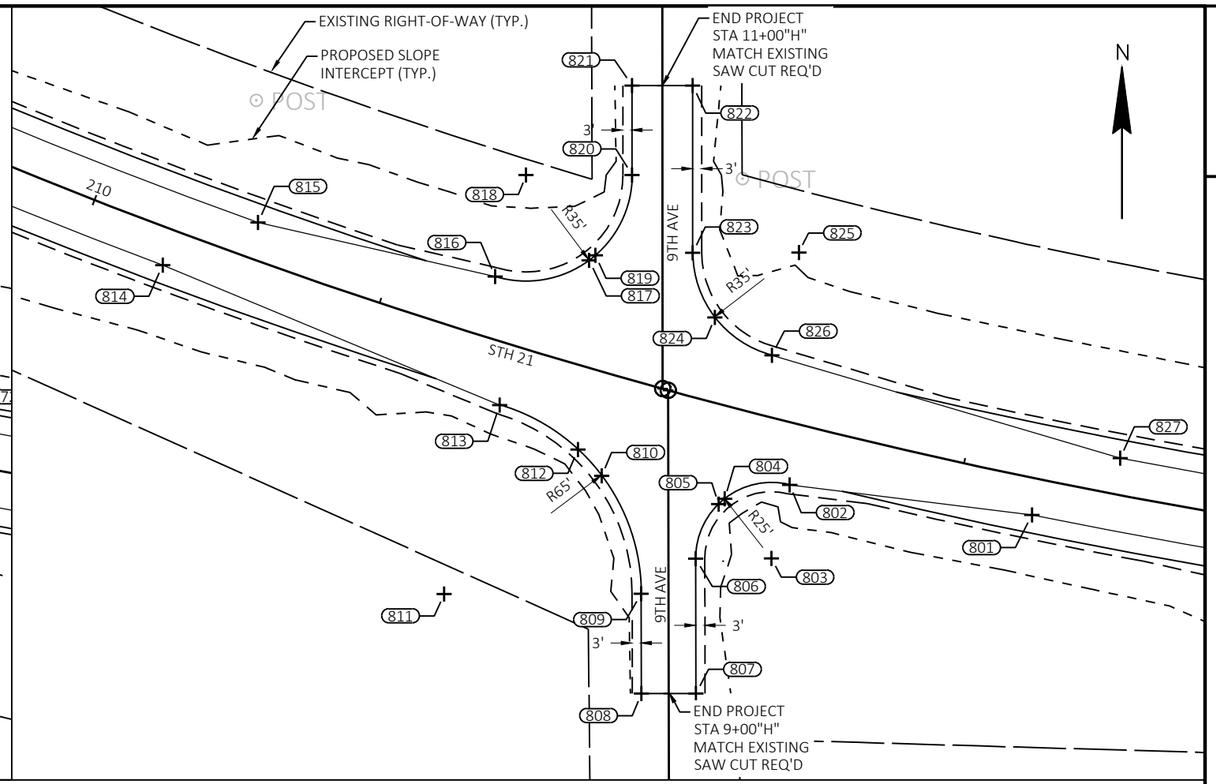


STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
501	56+90.2	12.0 LT	120415.299	325344.026	1007.17	LANE EDGE
502	57+70.2	20.0 LT	120402.384	325423.381	1006.76	PVMT EDGE
503	57+70.2	50.0 LT	120431.368	325431.123		RADIUS
504	57+93.8	31.4 LT	120407.352	325449.102	1006.32	PVMT EDGE
505	57+97.5	37.5 LT	120412.245	325454.238	1006.20	PVMT EDGE
506	57+99.4	57.0 LT	120430.633	325461.114	1006.14	PVMT EDGE
507	57+95.3	86.8 LT	120460.400	325464.843	1006.63	PVMT EDGE
508	57+93.4	94.9 LT	120468.751	325465.048	1006.78	PVMT EDGE
509	58+12.8	99.6 LT	120468.262	325485.042	1006.78	PVMT EDGE
510	58+14.8	91.2 LT	120459.692	325484.832	1006.62	PVMT EDGE
511	58+26.8	54.5 LT	120421.084	325486.888	1006.11	PVMT EDGE

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
512	58+42.7	29.6 LT	120393.013	325495.851	1006.24	PVMT EDGE
513	58+70.5	65.0 LT	120419.982	325531.874		RADIUS
514	58+70.5	20.0 LT	120376.506	325520.262	1006.36	PVMT EDGE
515	59+90.5	12.0 LT	120337.810	325634.133	1005.94	LANE EDGE
601	107+64.9	12.0 LT	119105.733	330246.822	1029.56	LANE EDGE
602	108+44.9	20.0 LT	119092.817	330326.177	1028.13	PVMT EDGE
603	108+44.9	75.0 LT	119145.954	330340.370		RADIUS
604	108+78.0	31.1 LT	119094.972	330361.004	1027.21	PVMT EDGE
605	10+58.5"F"	13.0 LT	119117.647	330387.526	1026.28	PVMT EDGE
606	10+88.5"F"	10.0 LT	119141.806	330405.528	1026.01	PVMT EDGE
607	11+10.0"F"	10.0 LT	119160.254	330416.602	1025.84	PVMT EDGE

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
608	11+10.0"F"	10.0 RT	119149.960	330433.750	1025.84	PVMT EDGE
609	10+76.8"F"	10.0 RT	119121.480	330416.653	1026.14	PVMT EDGE
610	10+63.0"F"	12.4 RT	119108.455	330411.670	1026.30	PVMT EDGE
611	109+31.4	35.9 LT	119085.886	330413.870	1026.19	PVMT EDGE
612	109+63.4	60.0 LT	119100.893	330450.948		RADIUS
613	109+44.2	24.9 LT	119071.927	330423.362	1026.10	PVMT EDGE
614	109+63.4	20.0 LT	119062.247	330440.626	1025.74	PVMT EDGE
615	110+83.4	12.0 LT	119023.551	330554.497	1022.85	LANE EDGE





STATION & OFFSET TABLE

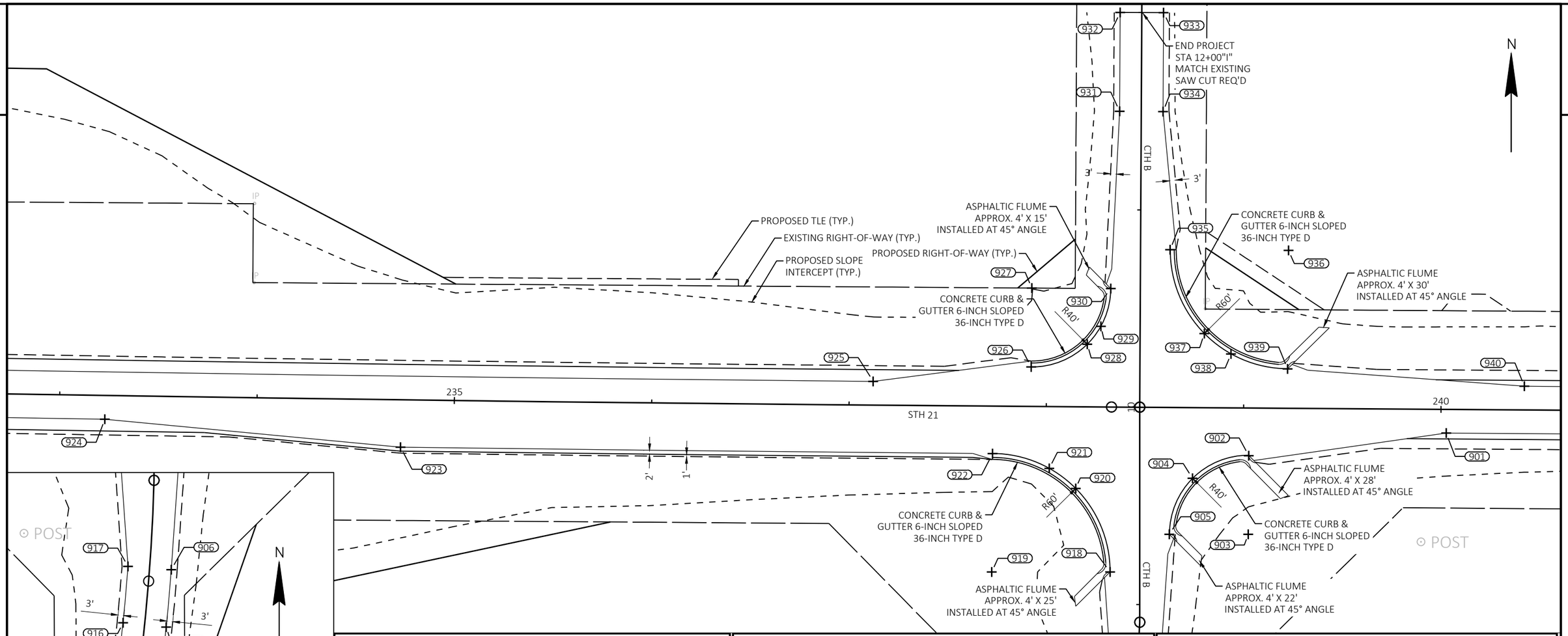
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
701	128+61.9	12.0 RT	118545.141	332268.177	995.53	LANE EDGE
702	127+82.5	20.0 RT	118554.894	332188.514	995.61	PVMT EDGE
703	127+61.6	28.7 RT	118551.506	332165.993	995.17	PVMT EDGE
704	127+82.4	50.0 RT	118525.754	332181.383		RADIUS
705	9+69.0"G"	16.9 RT	118549.624	332163.211	995.10	PVMT EDGE
706	9+50.4"G"	10.5 RT	118533.276	332152.342	993.91	PVMT EDGE
707	8+60.0"G"	10.5 RT	118445.759	332129.675	0.00	PVMT EDGE
708	8+60.0"G"	10.5 LT	118451.024	332109.345	990.52	PVMT EDGE
709	9+45.2"G"	10.5 LT	118533.464	332130.698	993.61	PVMT EDGE
710	9+67.9"G"	18.9 LT	118557.547	332128.291	995.00	PVMT EDGE
711	127+22.2	30.2 RT	118559.878	332127.046	995.03	PVMT EDGE
712	126+97.7	55.0 RT	118542.240	332096.816		RADIUS
713	126+97.7	20.0 RT	118576.054	332105.848	995.33	PVMT EDGE
714	125+77.7	12.0 RT	118614.750	331991.977	995.22	LANE EDGE
715	126+01.2	12.0 LT	118631.876	332020.865	995.03	LANE EDGE
716	126+80.8	20.0 LT	118619.062	332099.836	994.55	PVMT EDGE
717	127+15.8	34.2 LT	118623.784	332137.241	993.81	PVMT EDGE
718	126+80.8	70.0 LT	118667.369	332112.739		RADIUS
719	10+40.1"G"	19.7 LT	118628.656	332144.383	993.60	PVMT EDGE

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
720	10+68.4"G"	11.0 LT	118653.286	332160.715	993.95	PVMT EDGE
721	11+00.0"G"	11.0 LT	118683.634	332169.624	994.13	PVMT EDGE
722	11+00.0"G"	11.0 RT	118677.437	332190.733	994.13	PVMT EDGE
723	10+78.2"G"	11.0 RT	118656.527	332184.595	993.99	PVMT EDGE
724	10+41.5"G"	25.0 RT	118617.346	332187.731	993.50	PVMT EDGE
725	128+10.6	75.0 LT	118641.036	332237.368		RADIUS
726	127+70.2	36.8 LT	118613.021	332190.037	993.56	PVMT EDGE
727	128+11.1	20.0 LT	118587.318	332225.558	994.06	PVMT EDGE
728	129+31.6	12.0 LT	118555.109	332341.218	994.96	LANE EDGE
801	213+25.4	12.0 RT	117187.175	340460.249	926.33	LANE EDGE
802	212+45.9	20.0 RT	117197.086	340380.349	928.38	PVMT EDGE
803	212+45.9	45.0 RT	117172.822	340374.324		RADIUS
804	212+26.5	29.7 RT	117192.500	340358.903	928.58	PVMT EDGE
805	9+62.4"H"	16.6 RT	117190.721	340356.869	928.60	PVMT EDGE
806	9+44.5"H"	9.0 RT	117172.771	340349.324	927.77	PVMT EDGE
807	9+00.0"H"	9.0 RT	117128.276	340349.415	925.88	PVMT EDGE
808	9+00.0"H"	9.0 LT	117128.239	340331.415	925.88	PVMT EDGE
809	9+32.9"H"	9.0 LT	117161.182	340331.347	927.28	PVMT EDGE
810	211+86.0	33.0 RT	117200.057	340318.342	929.01	PVMT EDGE

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
811	211+48.3	85.1 RT	117161.049	340266.348		RADIUS
812	211+76.3	26.8 RT	117208.737	340310.516	929.50	PVMT EDGE
813	211+47.7	20.1 RT	117223.417	340284.657	930.34	PVMT EDGE
814	210+28.6	12.0 RT	117269.566	340173.508	932.65	LANE EDGE
815	210+53.3	12.0 LT	117283.605	340204.966	930.82	LANE EDGE
816	211+33.8	20.0 LT	117265.791	340283.138	928.48	PVMT EDGE
817	211+62.3	34.1 LT	117271.152	340314.179	927.21	PVMT EDGE
818	211+33.5	55.0 LT	117299.271	340293.339		RADIUS
819	10+44.1"H"	22.1 LT	117272.826	340316.265	927.10	PVMT EDGE
820	10+70.5"H"	10.0 LT	117299.292	340328.339	927.01	PVMT EDGE
821	11+00.0"H"	10.0 LT	117328.755	340328.322	927.10	PVMT EDGE
822	11+00.0"H"	10.0 RT	117328.767	340348.322	927.10	PVMT EDGE
823	10+44.9"H"	10.0 RT	117273.646	340348.354	926.93	PVMT EDGE
824	212+08.1	27.2 LT	117252.284	340355.644	926.74	PVMT EDGE
825	212+29.9	55.0 LT	117273.666	340383.354		RADIUS
826	212+29.7	20.0 LT	117239.815	340374.459	926.51	PVMT EDGE
827	213+50.3	12.0 LT	117205.869	340489.385	924.51	LANE EDGE

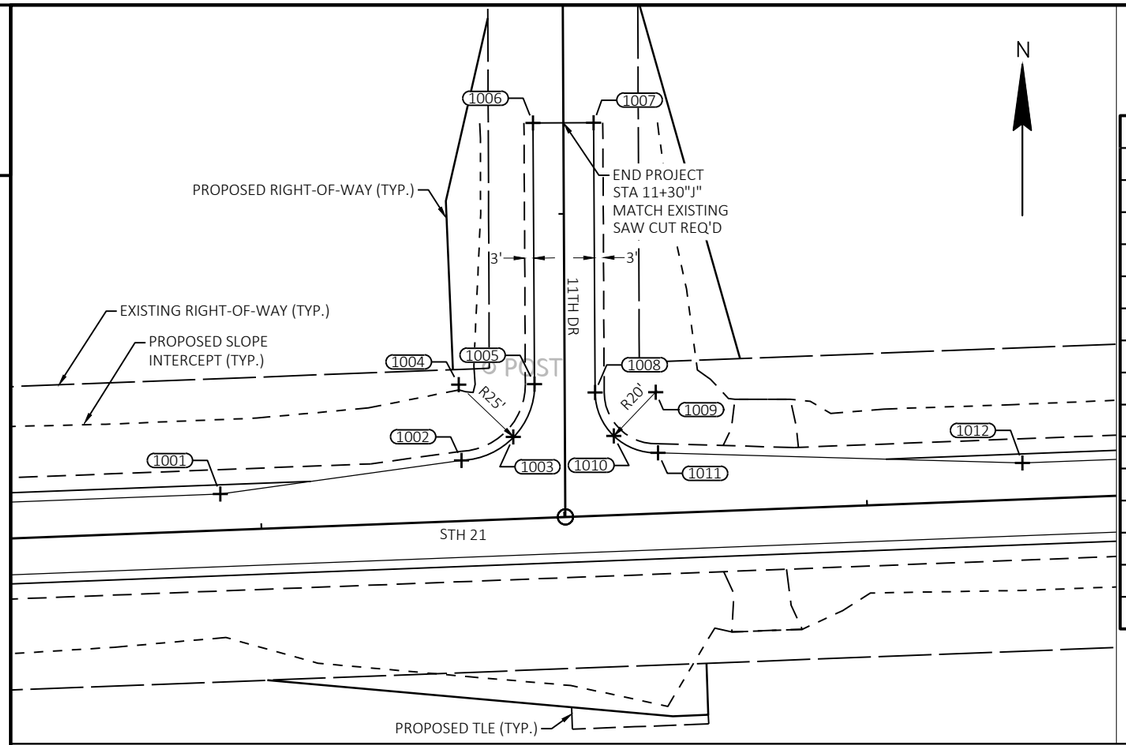


STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
901	240+02.7	12.0 RT	117098.405	343136.700	930.31	LANE EDGE
902	239+02.8	24.2 RT	117086.907	343036.634	932.25	CURB FLAG
903	239+02.7	64.0 RT	117047.107	343036.335		RADIUS
904	9+64.0"I"	26.8 RT	117075.489	343008.152	932.77	CURB FLAG
905	9+35.6"I"	15.0 RT	117047.106	342996.337	931.96	CURB FLAG
906	8+46.5"I"	11.0 RT	116957.289	342990.071	929.66	PVMT EDGE
907	8+17.7"I"	11.0 RT	116928.209	342987.509	929.31	PVMT EDGE
908	7+88.8"I"	11.0 RT	116899.215	342984.100	929.00	PVMT EDGE
909	7+33.0"I"	11.0 RT	116844.314	342978.681	928.38	PVMT EDGE
910	6+77.4"I"	11.0 RT	116789.234	342975.560	927.69	PVMT EDGE
911	6+50.0"I"	11.0 RT	116762.290	342975.706	927.30	PVMT EDGE
912	6+50.0"I"	11.0 LT	116762.171	342953.707	927.47	PVMT EDGE
913	0+00.0"I"	0.0	116789.566	342953.558	927.77	PVMT EDGE
914	7+32.9"I"	11.0 LT	116845.859	342956.735	928.38	PVMT EDGE

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
915	7+88.7"I"	11.0 LT	116901.833	342962.256	929.00	PVMT EDGE
916	8+17.6"I"	11.0 LT	116930.389	342965.617	929.32	PVMT EDGE
917	8+46.5"I"	11.0 LT	116958.895	342968.125	929.66	PVMT EDGE
918	9+16.6"I"	15.0 LT	117028.046	342966.337	931.39	CURB FLAG
919	237+73.0	84.0 RT	117028.046	342906.337		RADIUS
920	238+15.2	41.4 RT	117070.301	342948.933	933.31	CURB FLAG
921	238+01.7	31.4 RT	117080.468	342935.524	934.00	CURB FLAG
922	237+73.0	24.0 RT	117088.044	342906.819	934.99	CURB FLAG
923	234+73.0	24.0 RT	117091.234	342606.809	939.50	TURN LANE EDGE
924	233+23.0	12.0 RT	117105.414	342456.953	941.02	LANE EDGE
925	237+12.2	12.0 LT	117124.563	342846.325	936.35	LANE EDGE
926	237+92.2	20.0 LT	117131.891	342926.371	934.69	CURB FLAG
927	237+92.2	60.0 LT	117171.890	342926.679		RADIUS
928	238+20.5	31.7 LT	117143.419	342954.775	933.58	CURB FLAG

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
929	10+40.9"I"	19.9 LT	117152.518	342961.675	933.10	CURB FLAG
930	10+60.1"I"	15.0 LT	117171.667	342966.678	932.92	CURB FLAG
931	11+49.9"I"	11.0 LT	117261.441	342971.171	933.13	PVMT EDGE
932	12+00.0"I"	11.0 LT	117311.550	342971.450	933.60	PVMT EDGE
933	12+00.0"I"	11.0 RT	117311.428	342993.452	933.49	PVMT EDGE
934	11+49.9"I"	11.0 RT	117261.318	342993.173	933.13	PVMT EDGE
935	10+79.9"I"	15.0 RT	117191.300	342996.783	932.84	CURB FLAG
936	239+22.2	80.0 LT	117190.966	343056.782		RADIUS
937	238+79.8	37.5 LT	117148.807	343014.091	932.49	CURB FLAG
938	238+93.4	27.3 LT	117138.514	343027.650	932.36	CURB FLAG
939	239+22.1	20.0 LT	117130.925	343056.320	931.89	CURB FLAG
940	240+42.2	12.0 LT	117122.129	343176.306	929.52	LANE EDGE

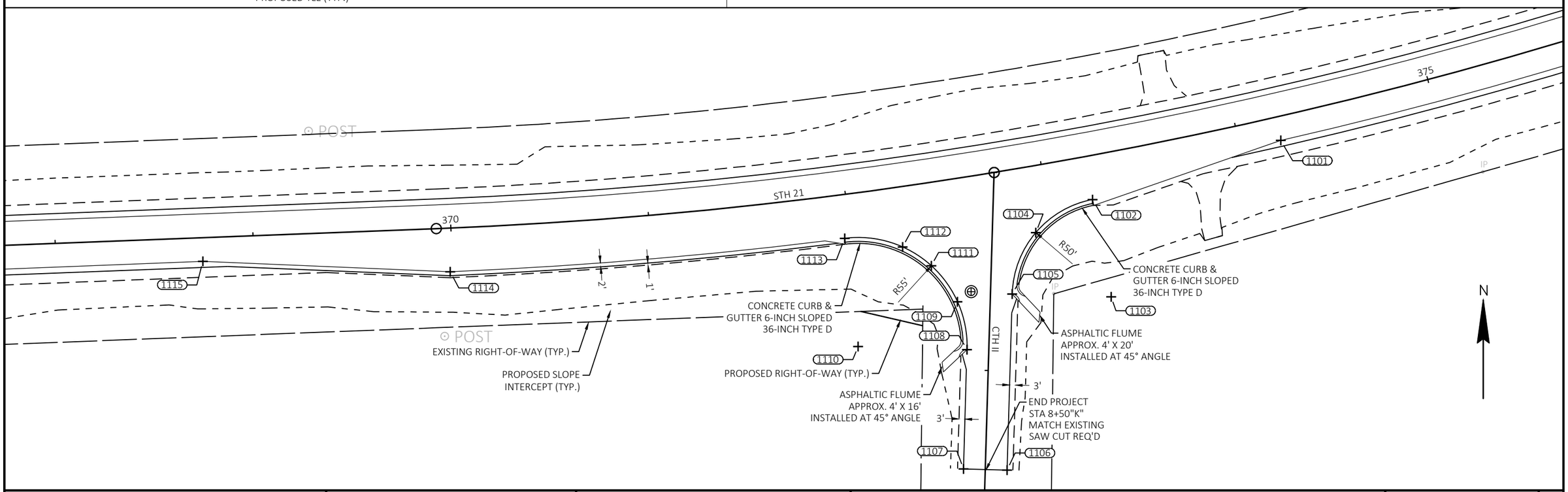
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	INTERSECTION DETAILS	SHEET 22	E



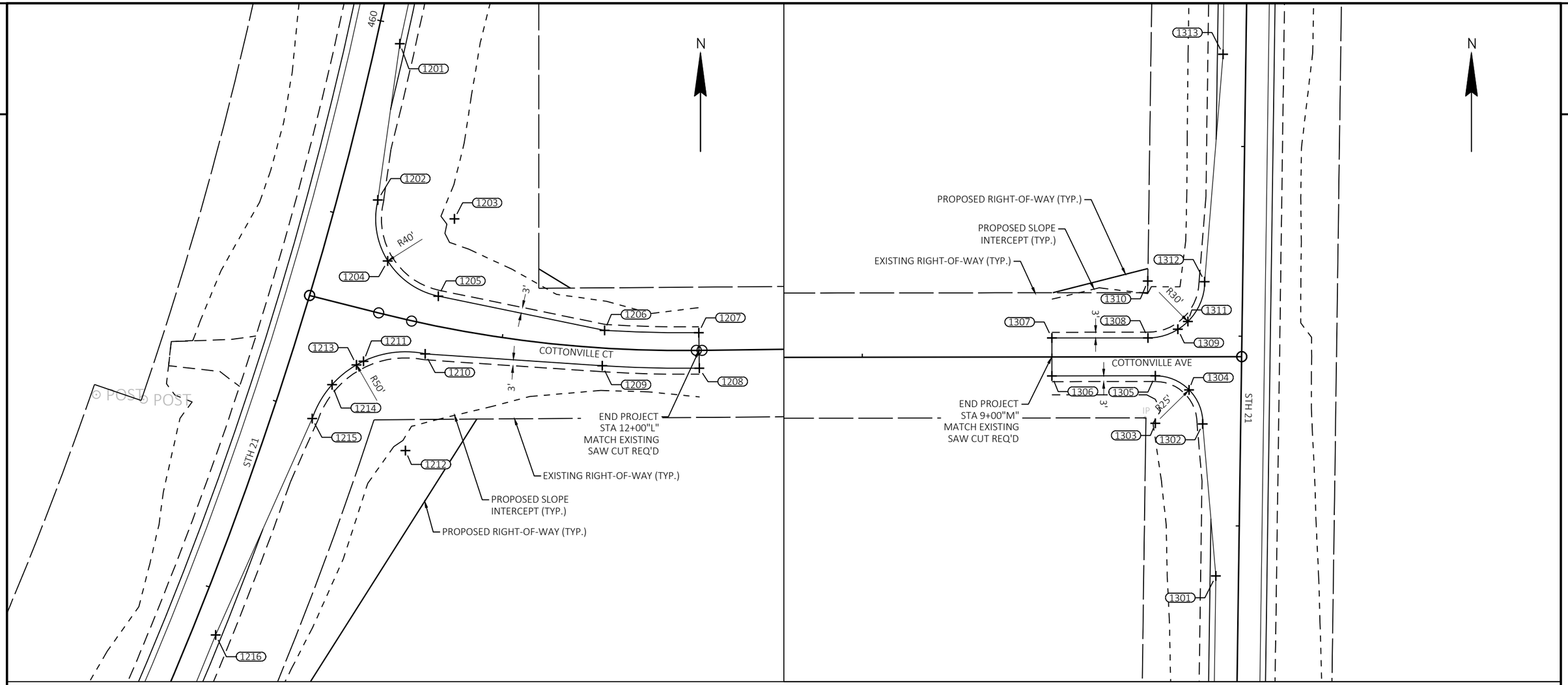
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1001	351+86.9	12.0 LT	118397.621	354094.882	897.31	LANE EDGE
1002	352+66.9	20.0 LT	118408.691	354174.505	896.93	PVMT EDGE
1003	352+84.2	27.0 LT	118416.385	354191.603	896.57	PVMT EDGE
1004	352+66.9	45.0 LT	118433.673	354173.544		RADIUS
1005	10+43.9"J"	10.0 LT	118433.802	354198.544	895.78	PVMT EDGE
1006	11+30.0"J"	10.0 LT	118519.942	354198.098	893.13	PVMT EDGE
1007	11+30.0"J"	10.0 RT	118520.045	354218.097	893.13	PVMT EDGE
1008	10+41.0"J"	10.0 RT	118431.068	354218.558	895.88	PVMT EDGE
1009	353+31.7	40.0 LT	118431.171	354238.558		RADIUS
1010	353+17.4	26.1 LT	118416.724	354224.728	896.46	PVMT EDGE
1011	353+31.7	20.0 LT	118411.186	354239.327	896.73	PVMT EDGE
1012	354+51.7	12.0 LT	118407.806	354359.546	895.92	LANE EDGE
1101	374+20.8	12.0 RT	118499.592	356326.234	883.74	LANE EDGE
1102	373+22.4	22.0 RT	118469.721	356231.209	884.70	CURB FLAG

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1103	373+22.7	72.0 RT	118420.605	356240.573		RADIUS
1104	372+91.6	33.4 RT	118453.043	356202.523	884.51	CURB FLAG
1105	9+39.0"K"	11.0 RT	118422.080	356190.594	883.78	CURB FLAG
1106	8+50.0"K"	11.0 RT	118333.147	356187.971	883.49	PVMT EDGE
1107	8+50.0"K"	11.0 LT	118333.796	356165.980	883.49	PVMT EDGE
1108	9+10.2"K"	11.0 LT	118393.968	356167.756	883.36	CURB FLAG
1109	9+34.2"K"	16.5 LT	118418.125	356162.951	883.70	CURB FLAG
1110	371+96.6	77.0 RT	118395.590	356112.779		RADIUS
1111	372+37.8	41.7 RT	118436.276	356149.788	884.35	CURB FLAG
1112	372+25.0	30.3 RT	118445.779	356135.275	884.85	CURB FLAG
1113	371+96.8	22.0 RT	118450.167	356105.972	885.28	CURB FLAG
1114	369+98.7	22.0 RT	118433.328	355906.739	886.13	TURN LANE EDGE
1115	368+74.2	12.0 RT	118438.521	355781.859	885.74	LANE EDGE

2



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	INTERSECTION DETAILS	SHEET 23	E

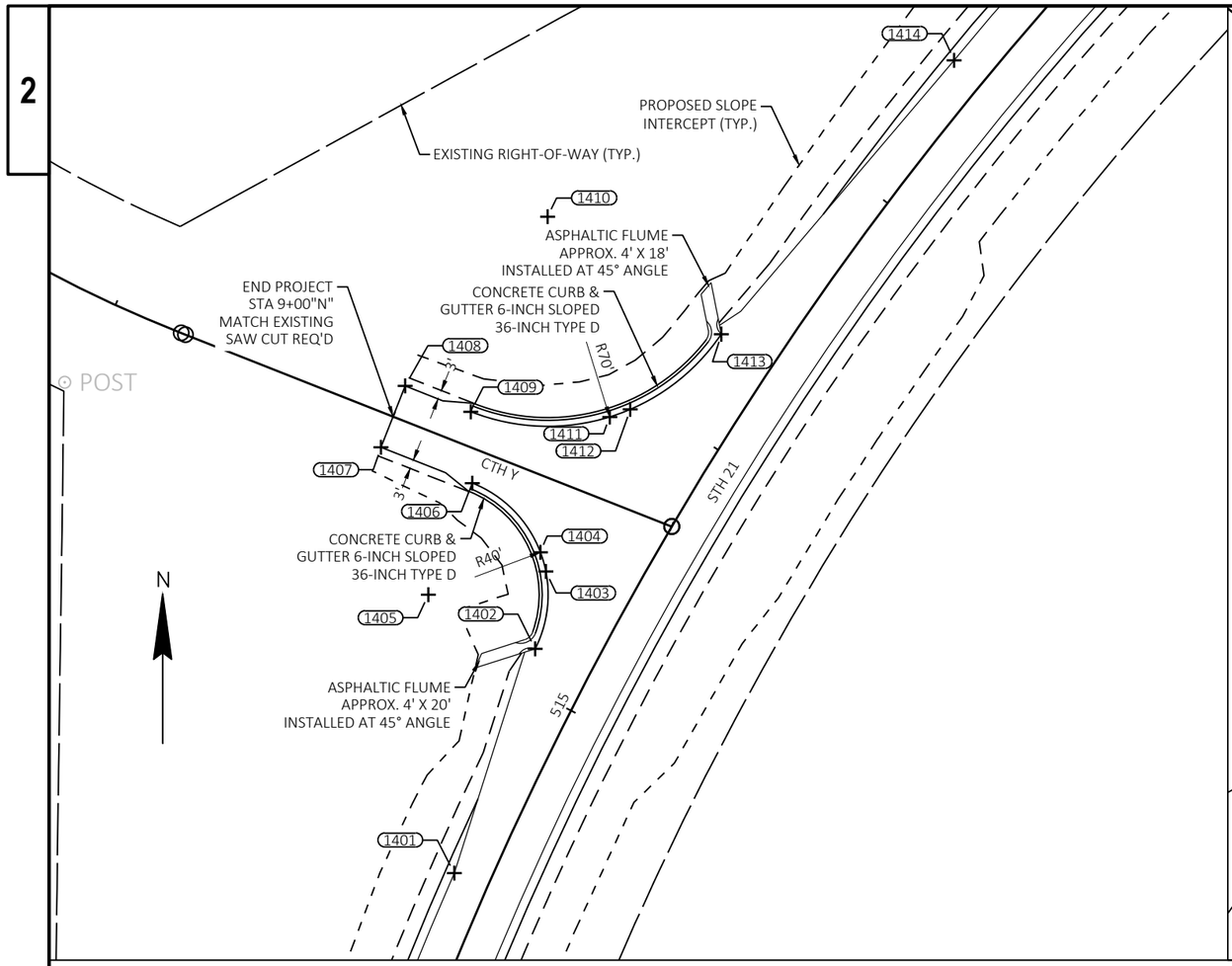


STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1201	459+90.8	12.0 RT	125187.837	361446.874	896.82	LANE EDGE
1202	459+11.9	20.0 RT	125108.630	361435.665	898.52	PVMT EDGE
1203	459+12.7	60.0 RT	125099.072	361474.506		RADIUS
1204	458+83.8	33.0 RT	125077.755	361440.660	899.44	PVMT EDGE
1205	10+64.0"L"	15.0 LT	125059.913	361466.347	898.23	PVMT EDGE
1206	11+51.6"L"	9.0 LT	125042.598	361550.614	893.82	PVMT EDGE
1207	12+00.0"L"	9.0 LT	125041.445	361598.363	893.72	PVMT EDGE
1208	12+00.0"L"	9.0 RT	125023.446	361598.584	893.68	PVMT EDGE
1209	11+51.6"L"	9.0 RT	125024.633	361549.485	893.82	PVMT EDGE
1210	10+63.4"L"	15.0 RT	125030.656	361459.686	898.27	PVMT EDGE

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1211	10+34.6"L"	25.7 RT	125026.908	361428.437	900.10	PVMT EDGE
1212	457+97.0	70.0 RT	124981.661	361449.712		RADIUS
1213	458+29.8	33.0 RT	125025.068	361424.896	900.38	PVMT EDGE
1214	458+16.7	24.3 RT	125015.052	361412.496	901.50	PVMT EDGE
1215	457+97.5	20.0 RT	124997.923	361402.430	902.42	PVMT EDGE
1216	456+78.7	12.0 RT	124888.327	361353.556	908.34	LANE EDGE
1301	496+73.5	12.0 LT	128869.591	361514.916	911.40	LANE EDGE
1302	497+53.5	20.0 LT	128949.694	361508.030	912.12	PVMT EDGE
1303	497+53.5	45.0 LT	128950.042	361483.032		RADIUS
1304	497+71.3	27.5 LT	128967.608	361500.821	912.31	PVMT EDGE

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1305	9+54.5"M"	10.0 RT	128975.042	361482.999	912.49	PVMT EDGE
1306	9+00.0"M"	10.0 RT	128974.971	361428.535	913.25	PVMT EDGE
1307	9+00.0"M"	10.0 LT	128994.971	361428.509	913.45	PVMT EDGE
1308	9+50.6"M"	10.0 LT	128995.037	361479.115	912.54	PVMT EDGE
1309	9+66.4"M"	14.5 LT	128999.570	361494.932	912.20	PVMT EDGE
1310	498+28.4	50.0 LT	129025.037	361479.075		RADIUS
1311	498+07.4	28.6 LT	129003.691	361500.154	912.35	PVMT EDGE
1312	498+28.4	20.0 LT	129024.620	361509.072	912.89	PVMT EDGE
1313	499+48.4	12.0 LT	129144.497	361518.741	914.26	LANE EDGE

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	INTERSECTION DETAILS	SHEET 24	E

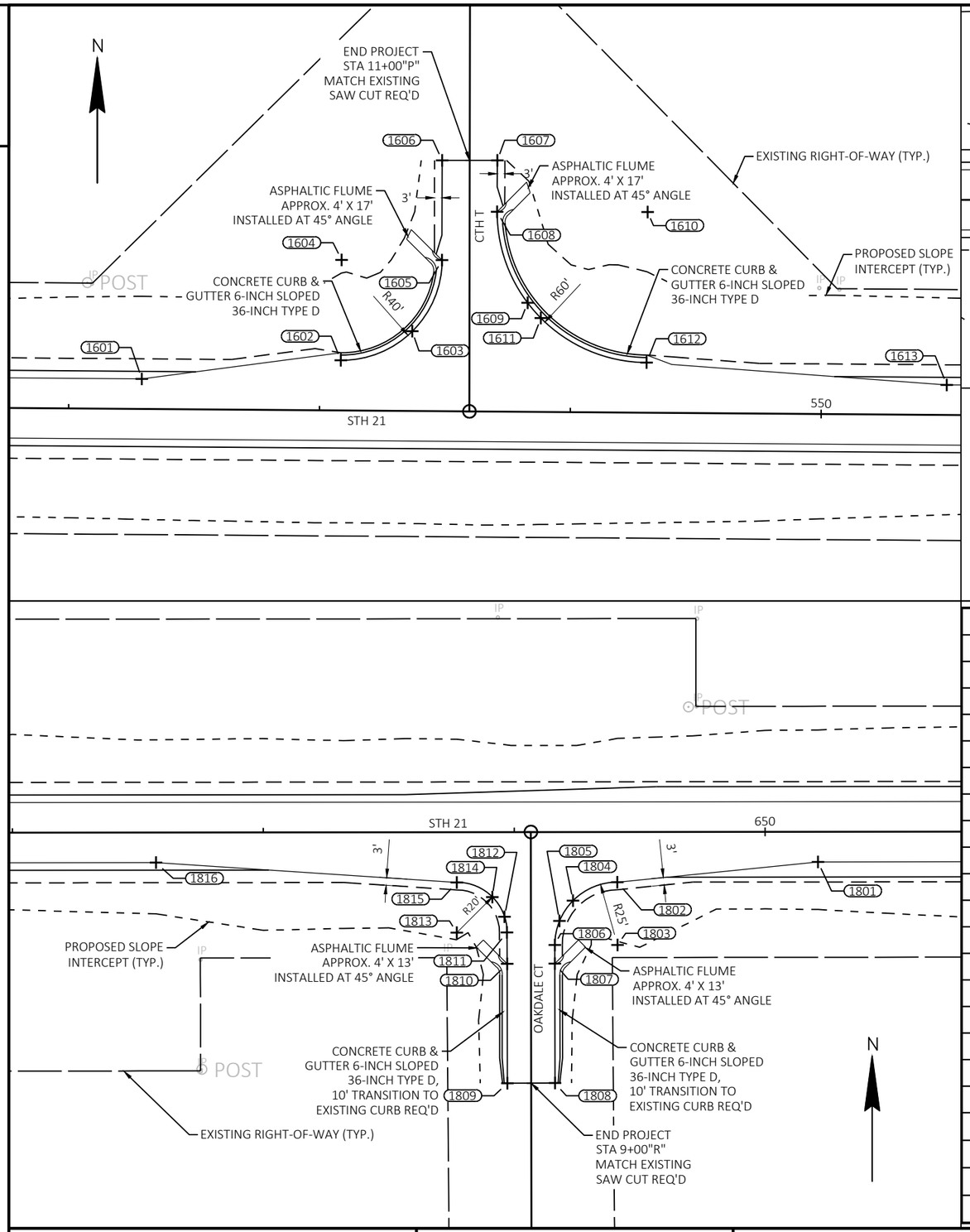


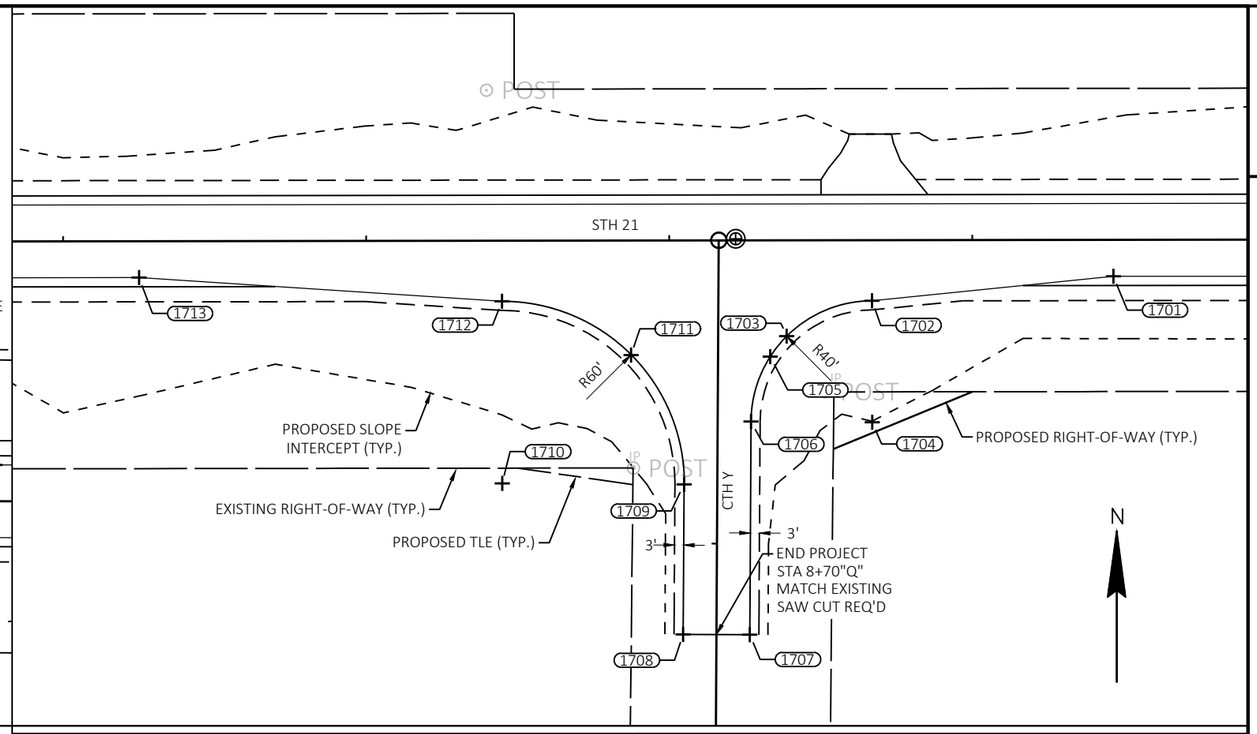
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1401	514+34.6	12.0 LT	130621.673	361633.898	933.19	LANE EDGE
1402	515+12.7	20.0 LT	130696.525	361660.911	934.04	CURB FLAG
1403	515+36.6	29.1 LT	130722.379	361664.486	934.51	CURB FLAG
1404	515+41.3	33.8 LT	130728.819	361662.643	934.77	CURB FLAG
1405	515+12.2	60.0 LT	130714.634	361625.245		RADIUS
1406	9+32.8"N"	11.0 RT	130751.839	361639.928	936.05	CURB FLAG
1407	9+00.0"N"	11.0 RT	130763.867	361609.452	937.53	PVMT EDGE
1408	9+00.0"N"	11.0 LT	130784.331	361617.528	937.53	PVMT EDGE
1409	9+23.5"N"	11.0 LT	130775.705	361639.385	936.47	CURB FLAG
1410	516+33.3	90.0 LT	130840.818	361665.082		RADIUS

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1411	515+90.4	36.6 LT	130773.956	361685.806	934.94	CURB FLAG
1412	515+96.0	32.0 LT	130776.497	361692.701	934.70	CURB FLAG
1413	516+32.8	20.0 LT	130801.653	361723.100	934.27	CURB FLAG
1414	517+50.9	12.0 LT	130893.078	361800.861	933.59	LANE EDGE
1501	518+87.0	12.0 LT	130993.737	361894.429	932.79	LANE EDGE
1502	519+65.5	20.0 LT	131052.688	361948.511	932.83	PVMT EDGE
1503	519+90.4	29.3 LT	131075.958	361962.358	933.00	PVMT EDGE
1504	519+65.7	60.0 LT	131083.571	361923.087		RADIUS
1505	519+94.8	33.8 LT	131082.200	361963.065	933.18	PVMT EDGE
1506	9+31.6"O"	14.0 RT	131112.501	361950.711	934.12	PVMT EDGE

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1507	8+70.0"O"	11.0 RT	131155.848	361907.522	937.11	PVMT EDGE
1508	8+70.0"O"	11.0 LT	131172.387	361922.029	937.11	PVMT EDGE
1509	9+33.3"O"	14.0 LT	131131.696	361971.165	934.04	PVMT EDGE
1510	520+48.8	33.6 LT	131115.486	362007.671	932.50	PVMT EDGE
1511	520+85.0	80.1 LT	131175.301	362012.380		RADIUS
1512	520+57.4	27.4 LT	131115.601	362018.376	932.10	PVMT EDGE
1513	520+85.6	20.1 LT	131125.784	362046.264	931.37	PVMT EDGE
1514	522+03.7	12.0 LT	131180.196	362153.218	929.54	LANE EDGE

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	INTERSECTION DETAILS	SHEET 25	E





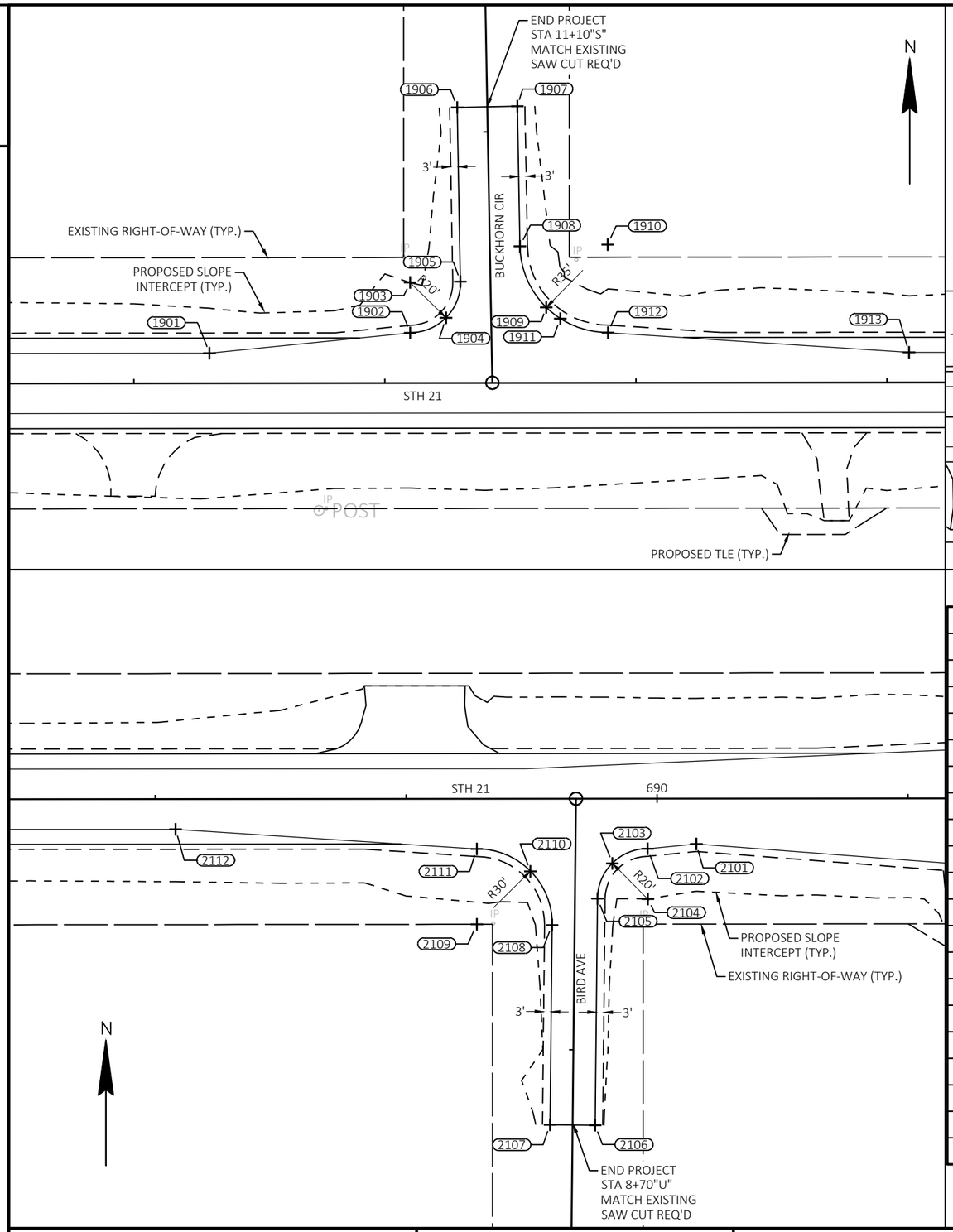
STATION & OFFSET TABLE

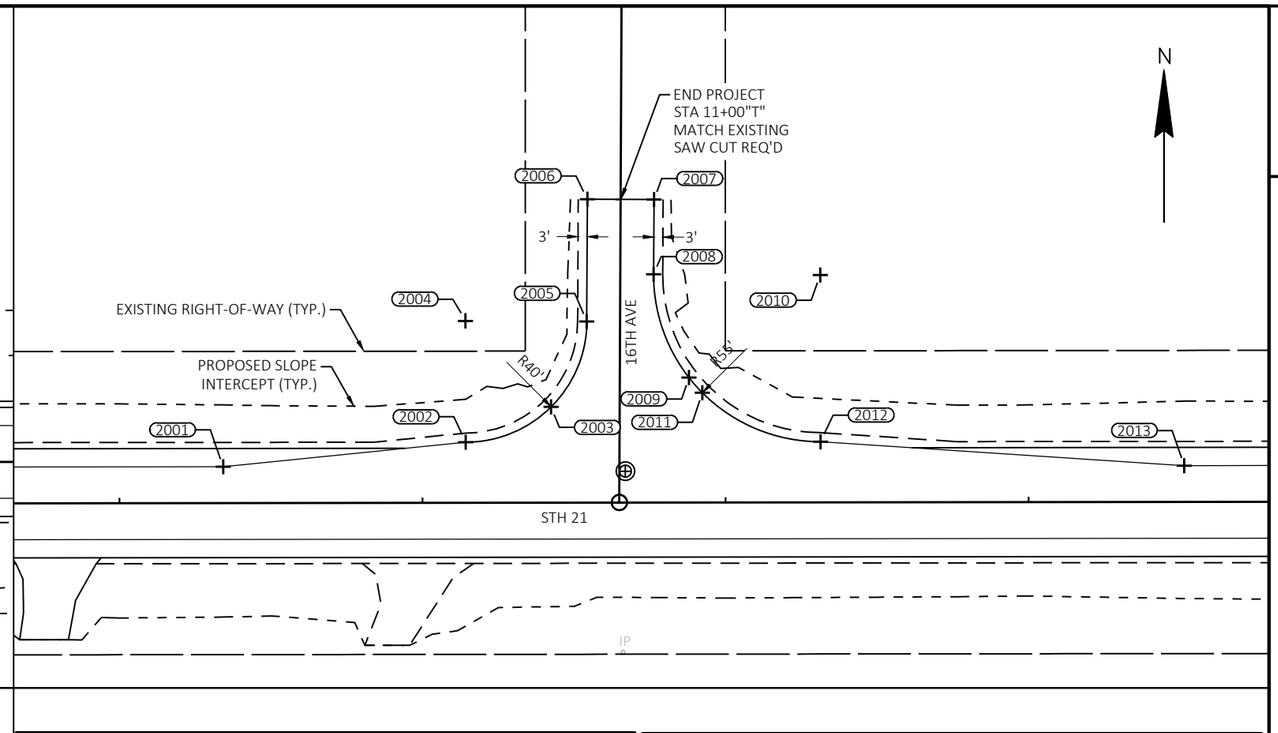
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1601	547+29.1	12.0 LT	131303.151	364662.546	907.83	LANE EDGE
1602	548+08.4	20.0 LT	131310.561	364741.858	907.59	CURB FLAG
1603	548+36.8	31.8 LT	131322.150	364770.314	907.20	CURB FLAG
1604	548+08.4	60.0 LT	131350.560	364742.156		RADIUS
1605	10+60.3"P"	11.0 LT	131350.502	364782.156	906.81	CURB FLAG
1606	11+00.0"P"	11.0 LT	131390.198	364782.213	906.37	PVMT EDGE
1607	11+00.0"P"	11.0 RT	131390.166	364804.213	906.37	PVMT EDGE
1608	10+79.6"P"	11.0 RT	131369.714	364804.183	906.60	CURB FLAG
1609	10+43.4"P"	23.2 RT	131333.499	364816.298	907.00	CURB FLAG
1610	549+30.3	80.0 LT	131369.652	364864.183		RADIUS
1611	548+88.0	37.4 LT	131327.414	364821.569	907.04	CURB FLAG
1612	549+30.3	20.0 LT	131309.654	364863.737	907.24	CURB FLAG
1613	550+50.0	12.0 LT	131300.763	364983.408	906.84	LANE EDGE
1701	589+46.5	12.0 RT	131275.170	368879.812	889.70	LANE EDGE
1702	588+66.9	20.0 RT	131267.066	368800.220	889.16	PVMT EDGE
1703	588+38.7	31.6 RT	131255.415	368772.052	888.72	PVMT EDGE
1704	588+66.9	60.0 RT	131227.066	368800.272		RADIUS
1705	9+61.8"Q"	17.2 RT	131248.700	368766.613	888.60	PVMT EDGE
1706	9+40.4"Q"	11.0 RT	131227.302	368760.272	888.92	PVMT EDGE
1707	8+70.0"Q"	11.0 RT	131156.941	368759.858	889.58	PVMT EDGE
1708	8+70.0"Q"	11.0 LT	131157.071	368737.858	889.58	PVMT EDGE

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1709	9+19.5"Q"	11.0 LT	131206.553	368738.150	889.08	PVMT EDGE
1710	587+44.8	80.0 RT	131206.907	368678.151		RADIUS
1711	587+87.3	37.7 RT	131249.236	368720.674	888.43	PVMT EDGE
1712	587+44.8	20.0 RT	131266.907	368678.073	888.47	PVMT EDGE
1713	586+25.0	12.0 RT	131274.750	368558.328	887.88	LANE EDGE
1801	650+21.1	12.0 RT	131257.999	374954.356	881.94	LANE EDGE
1802	649+41.1	20.0 RT	131249.914	374874.365	882.72	PVMT EDGE
1803	649+41.1	45.0 RT	131224.914	374874.391		RADIUS
1804	649+23.4	27.3 RT	131242.567	374856.689	882.84	PVMT EDGE
1805	9+64.6"R"	11.4 RT	131234.448	374851.280	882.90	PVMT EDGE
1806	9+55.0"R"	9.5 RT	131224.871	374849.391	883.14	PVMT EDGE
1807	9+47.6"R"	9.5 RT	131217.479	374849.404	883.38	CURB FLAG
1808	9+00.0"R"	9.5 RT	131169.894	374849.485	886.94	CURB FLAG
1809	9+00.0"R"	9.5 LT	131169.862	374830.485	887.13	CURB FLAG
1810	9+47.6"R"	9.5 LT	131217.447	374830.404	883.38	CURB FLAG
1811	9+60.0"R"	9.5 LT	131229.881	374830.382	883.03	PVMT EDGE
1812	9+66.3"R"	10.5 LT	131236.173	374829.356	882.95	PVMT EDGE
1813	648+77.1	40.0 RT	131229.846	374810.382		RADIUS
1814	648+91.2	25.9 RT	131244.008	374824.505	883.15	PVMT EDGE
1815	648+77.1	20.0 RT	131249.846	374810.361	883.49	PVMT EDGE
1816	647+57.2	12.0 RT	131257.720	374690.439	885.43	LANE EDGE

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	INTERSECTION DETAILS	SHEET 26	E



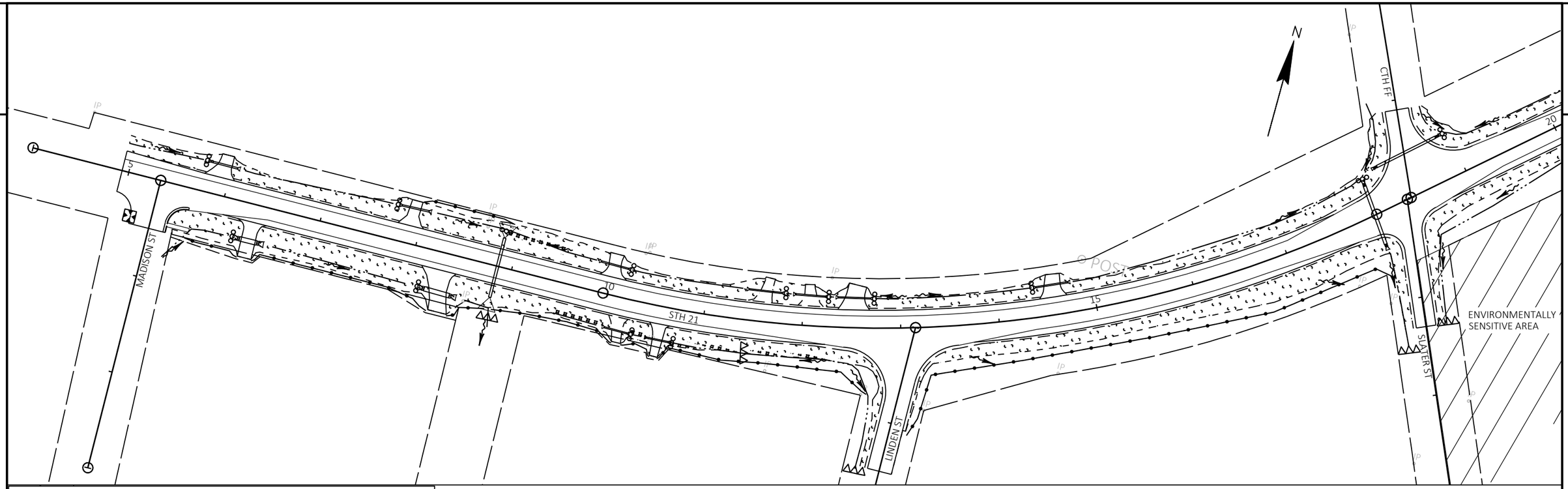


STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
1901	656+30.1	12.0 LT	131282.642	375563.319	876.38	RADIUS
1902	657+10.1	20.0 LT	131290.727	375643.310	876.08	PVMT EDGE
1903	657+10.1	40.0 LT	131310.727	375643.289		RADIUS
1904	657+24.4	26.0 LT	131296.722	375657.568	875.82	PVMT EDGE
1905	10+40.6"S"	12.0 LT	131311.094	375663.286	875.33	PVMT EDGE
1906	11+10.0"S"	12.0 LT	131380.522	375662.011	875.67	PVMT EDGE
1907	11+10.0"S"	12.0 RT	131380.963	375686.007	875.67	PVMT EDGE
1908	10+54.2"S"	12.0 RT	131325.167	375687.032	875.18	PVMT EDGE
1909	657+64.3	30.0 LT	131300.822	375697.518	875.51	PVMT EDGE
1910	657+88.8	55.0 LT	131325.810	375722.026		RADIUS
1911	657+69.9	25.6 LT	131296.350	375703.128	875.60	PVMT EDGE
1912	657+88.8	20.0 LT	131290.810	375722.063	875.75	PVMT EDGE
1913	659+08.8	12.0 LT	131282.937	375842.071	875.62	RADIUS
2001	666+34.3	12.0 LT	131283.703	376567.506	872.46	LANE EDGE
2002	667+14.3	20.0 LT	131291.788	376647.498	871.48	PVMT EDGE
2003	667+42.5	31.6 LT	131303.452	376675.688	870.94	PVMT EDGE
2004	667+14.3	60.0 LT	131331.788	376647.456		RADIUS
2005	10+59.7"T"	11.0 LT	131331.600	376687.455	870.40	PVMT EDGE
2006	11+00.0"T"	11.0 LT	131371.892	376687.645	870.37	PVMT EDGE

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC
2007	11+00.0"T"	11.0 RT	131371.788	376709.644	870.59	PVMT EDGE
2008	10+75.4"T"	11.0 RT	131347.170	376709.529	870.41	PVMT EDGE
2009	10+41.3"T"	22.8 RT	131313.070	376721.172	870.70	PVMT EDGE
2010	668+31.4	75.0 LT	131346.911	376764.528		RADIUS
2011	667+92.4	36.2 LT	131308.092	376725.566	870.66	PVMT EDGE
2012	668+31.4	20.0 LT	131291.911	376764.586	870.43	PVMT EDGE
2013	669+51.4	12.0 LT	131284.038	376884.594	869.56	LANE EDGE
2101	690+15.6	18.1 RT	131256.157	378948.852	864.91	PVMT EDGE
2102	689+96.2	20.0 RT	131254.199	378929.484	864.85	PVMT EDGE
2103	689+82.2	25.8 RT	131248.408	378915.430	864.61	PVMT EDGE
2104	689+96.3	39.9 RT	131234.253	378929.548		RADIUS
2105	9+60.3"U"	9.0 RT	131234.410	378909.506	864.01	PVMT EDGE
2106	8+70.0"U"	9.0 RT	131144.082	378908.554	862.31	PVMT EDGE
2107	8+70.0"U"	9.0 LT	131144.272	378890.555	862.31	PVMT EDGE
2108	9+49.5"U"	9.0 LT	131223.811	378891.393	863.69	PVMT EDGE
2109	689+28.1	50.0 RT	131224.127	378861.395		RADIUS
2110	689+49.4	28.9 RT	131245.239	378882.709	864.51	PVMT EDGE
2111	689+28.1	20.0 RT	131254.127	378861.363	864.66	PVMT EDGE
2112	688+08.1	12.0 RT	131262.000	378741.355	864.23	PVMT EDGE

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	INTERSECTION DETAILS	SHEET 27	E

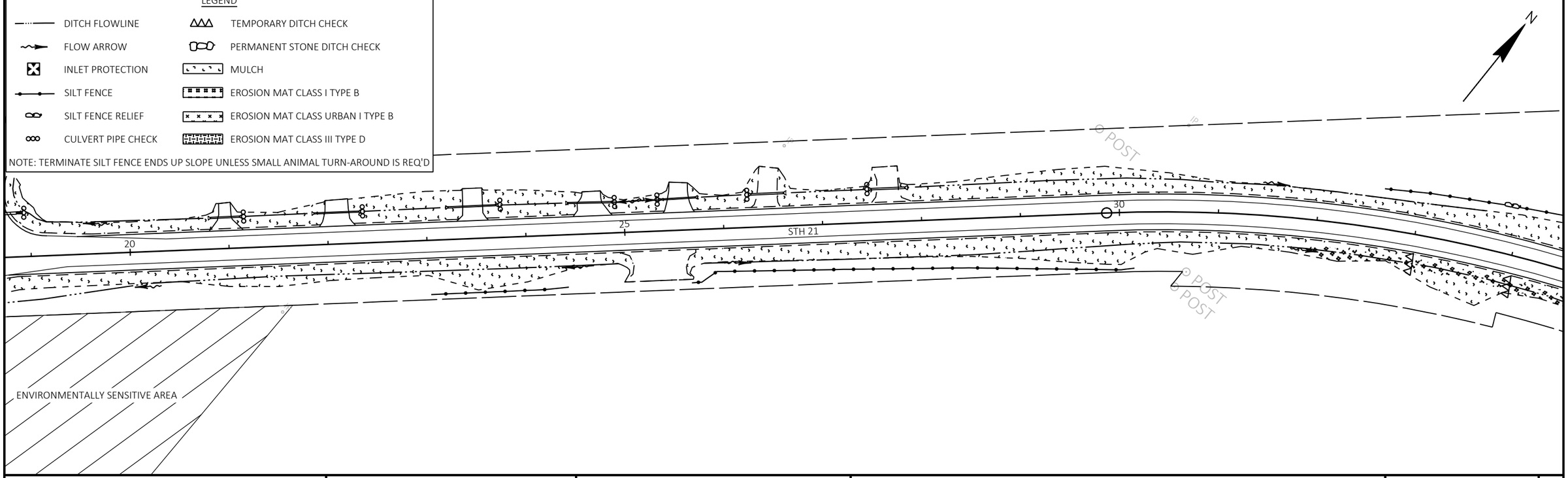
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LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 28	E

2

2

INDUSTRIAL ST

STH 21

6TH AVE

35

40

45

50

55

60

IP

N

LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D

PROPOSED

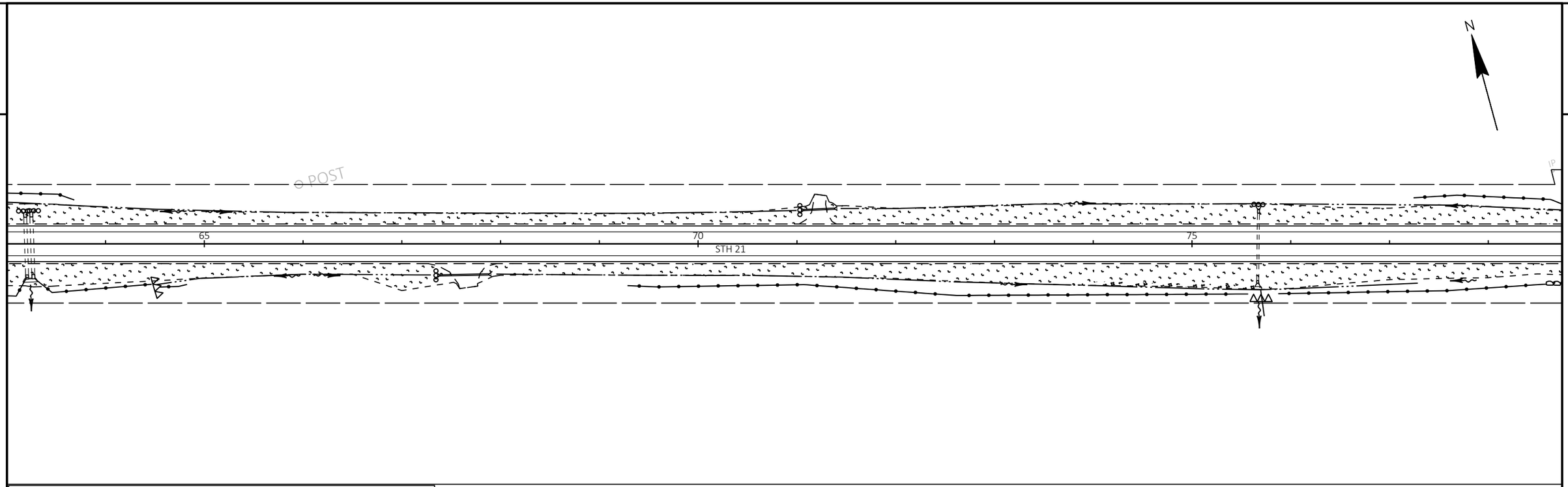
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 29	E

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LAYOUT NAME - Sheet - (2)

PLOT DATE : 10/11/2022 3:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



2

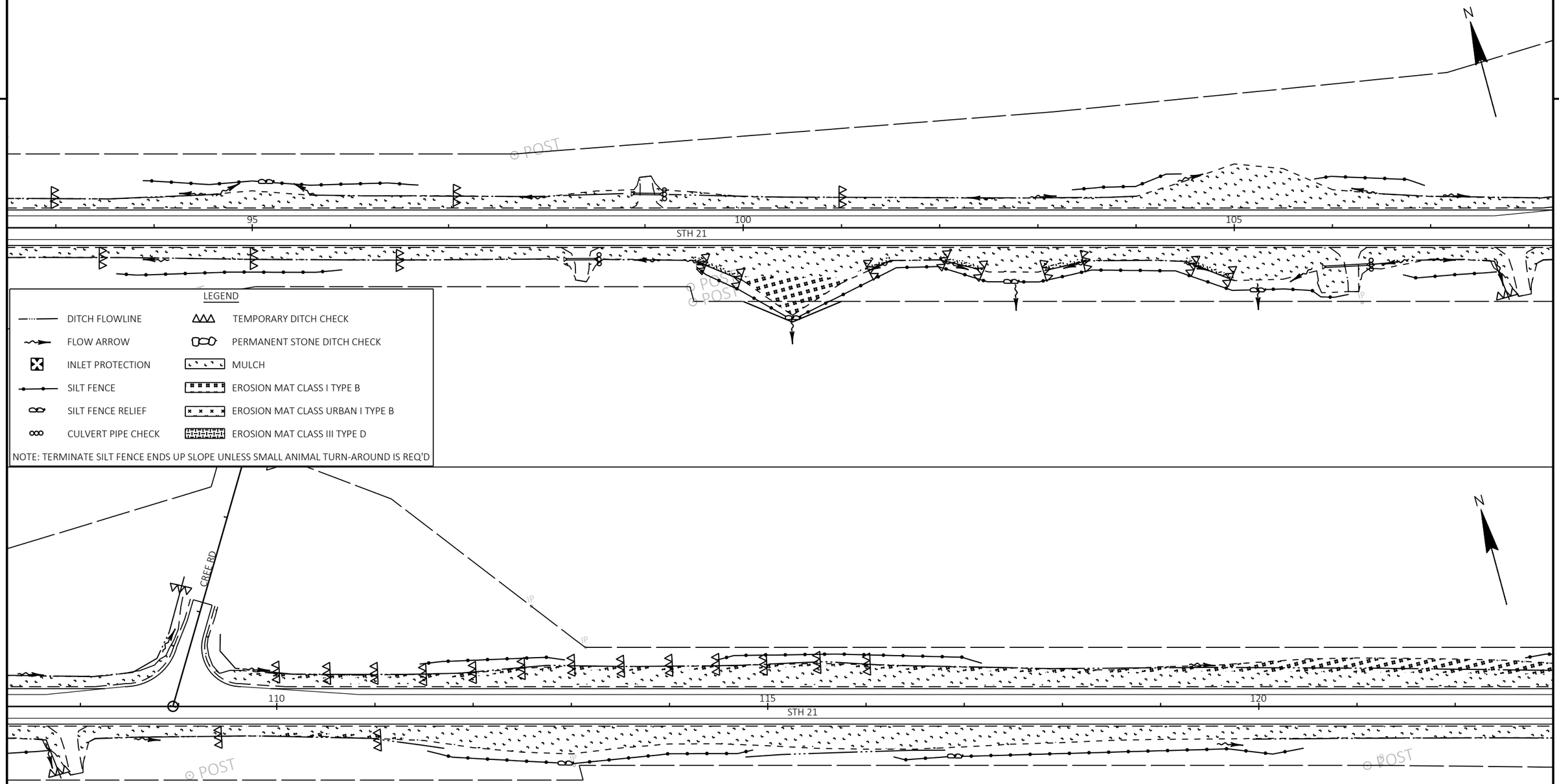
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 30	E

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LAYOUT NAME - Sheet - (3)

PLOT DATE : 10/11/2022 3:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 31	E

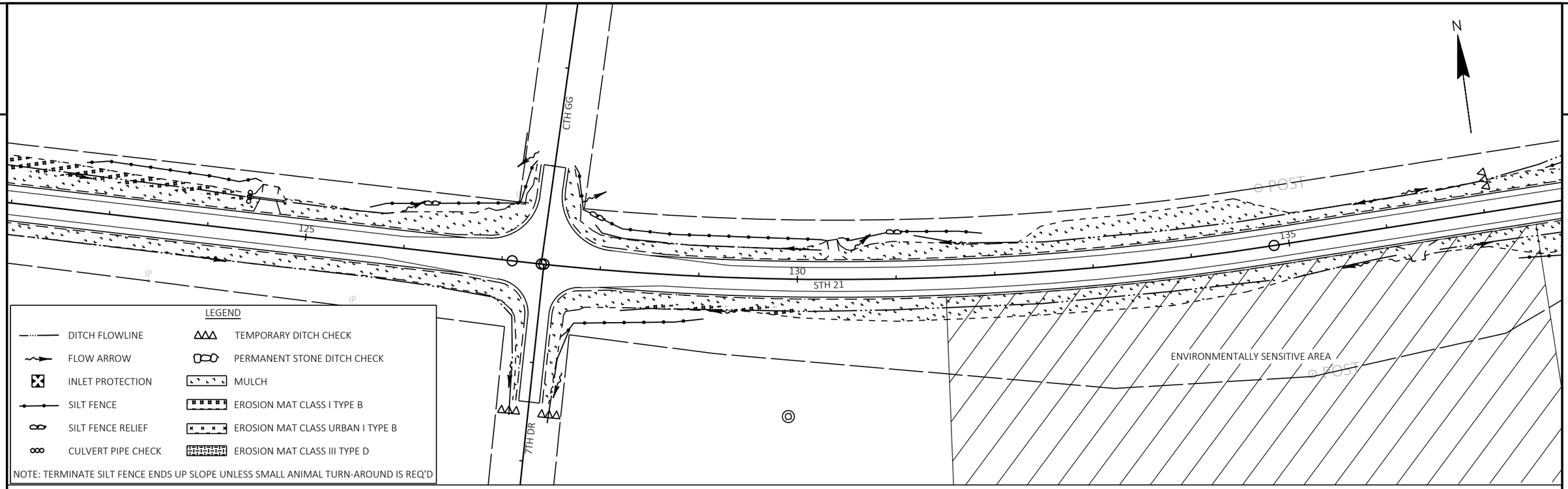
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LAYOUT NAME - Sheet - (4)

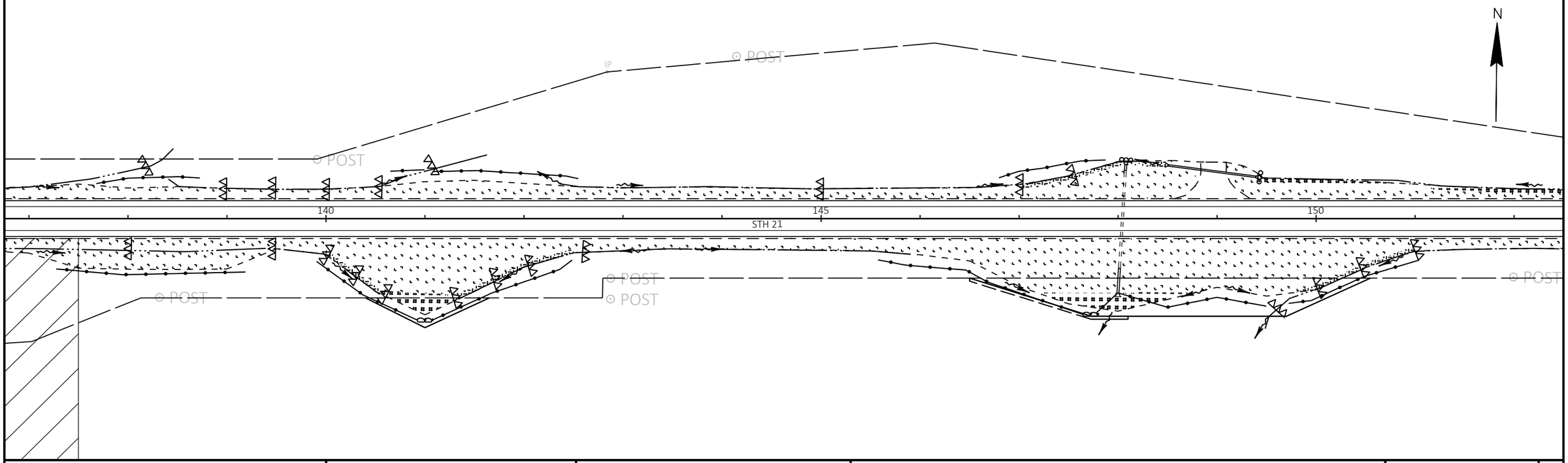
PLOT DATE : 10/11/2022 3:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2



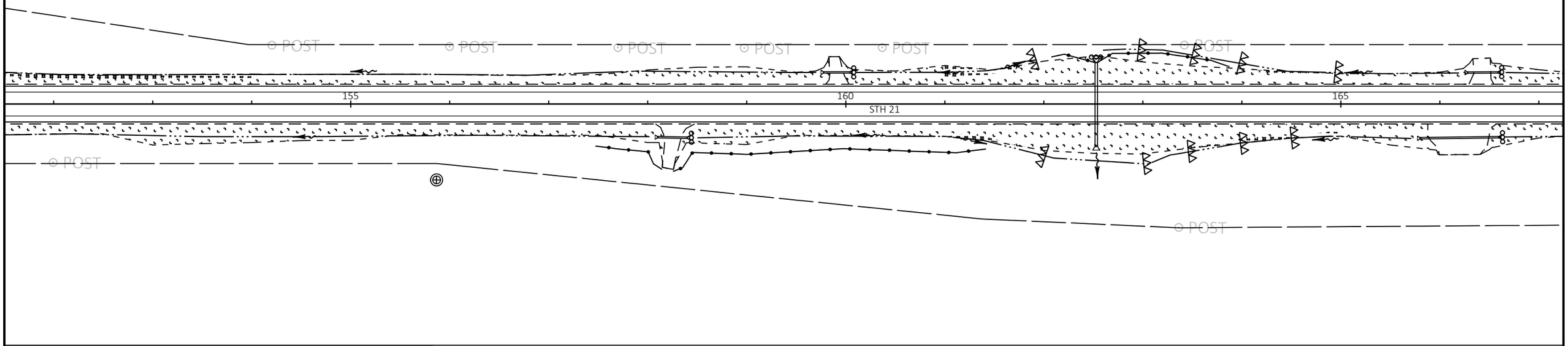


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 32	E

2

2

N

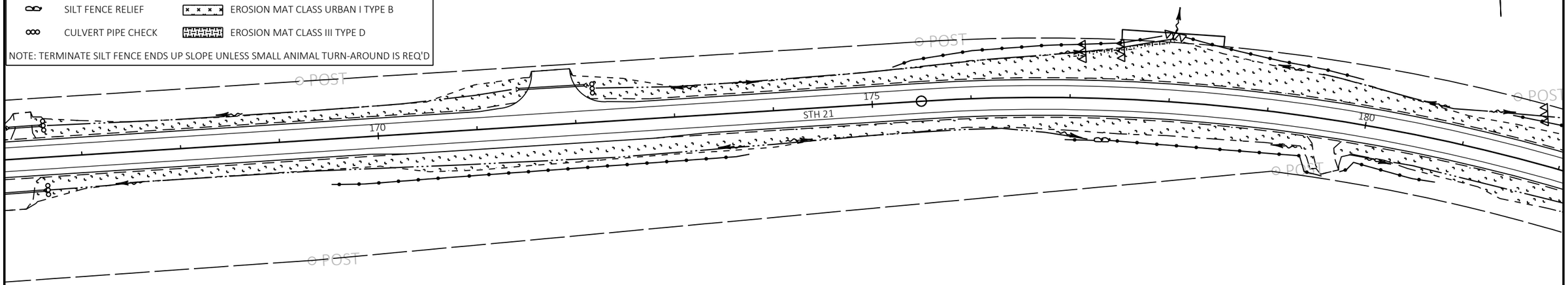


LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D

N



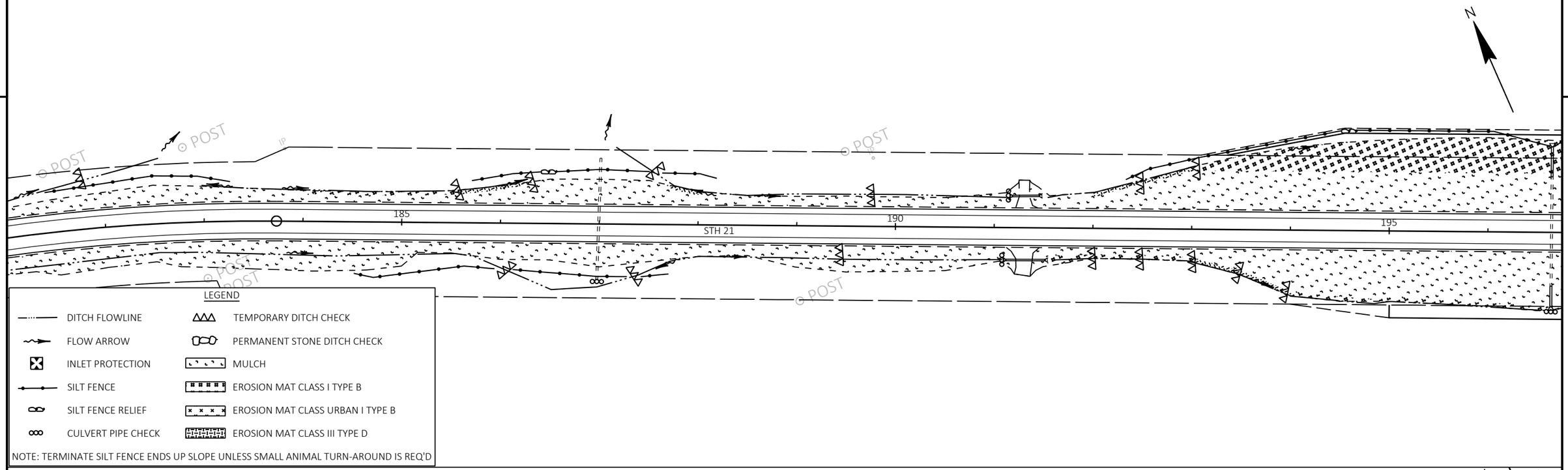
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 33	E

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LAYOUT NAME - Sheet - (6)

PLOT DATE : 10/11/2022 3:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

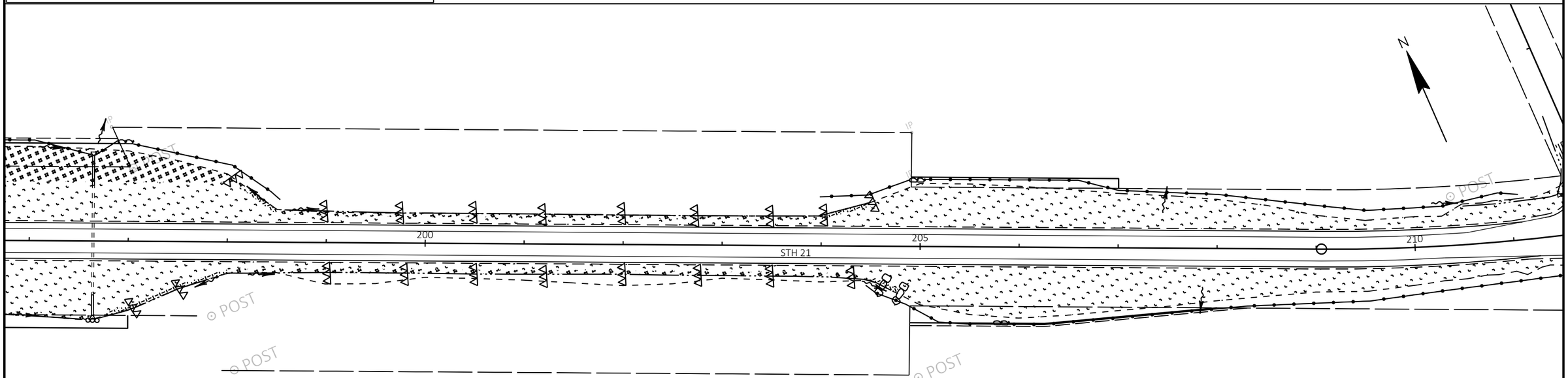
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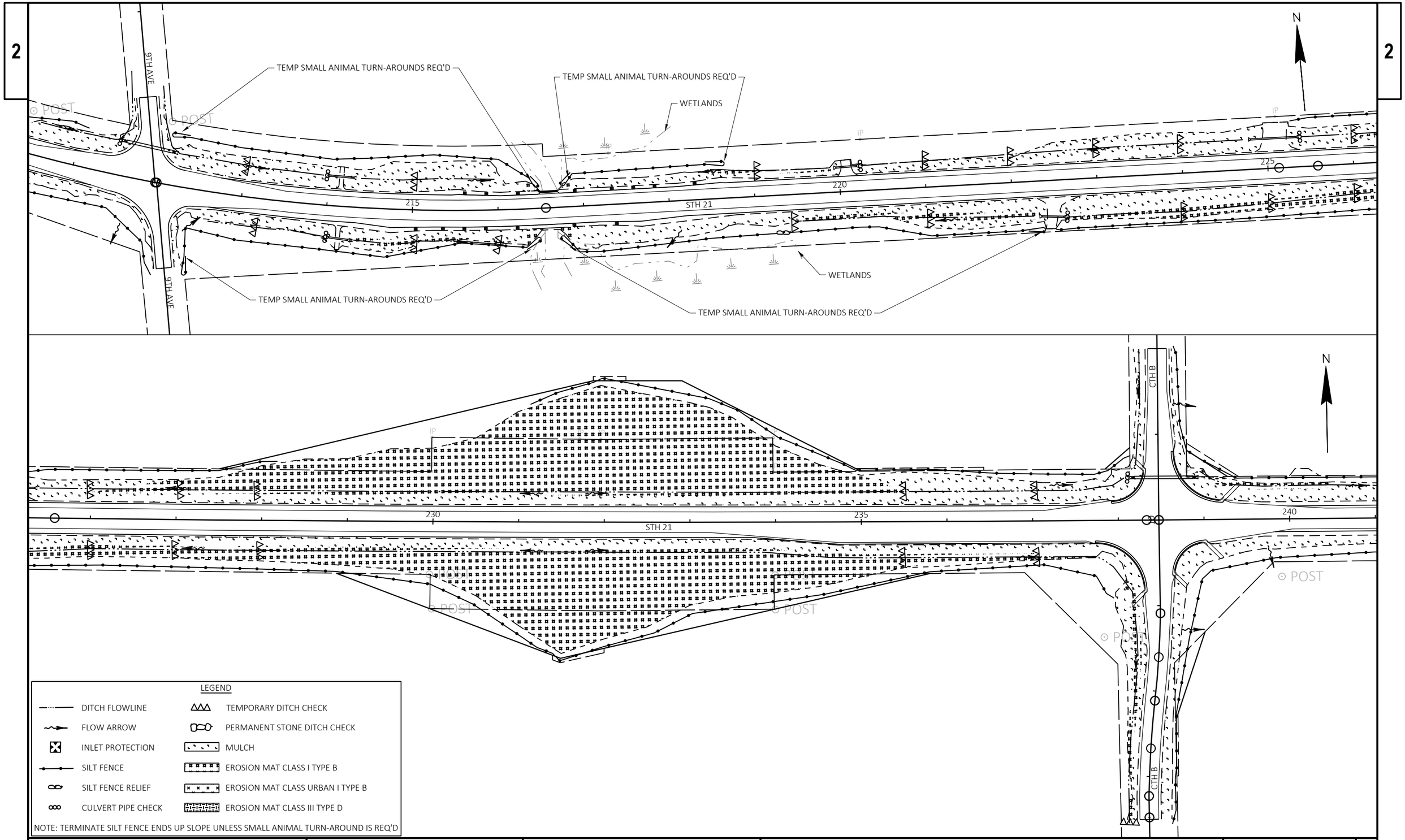
LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D

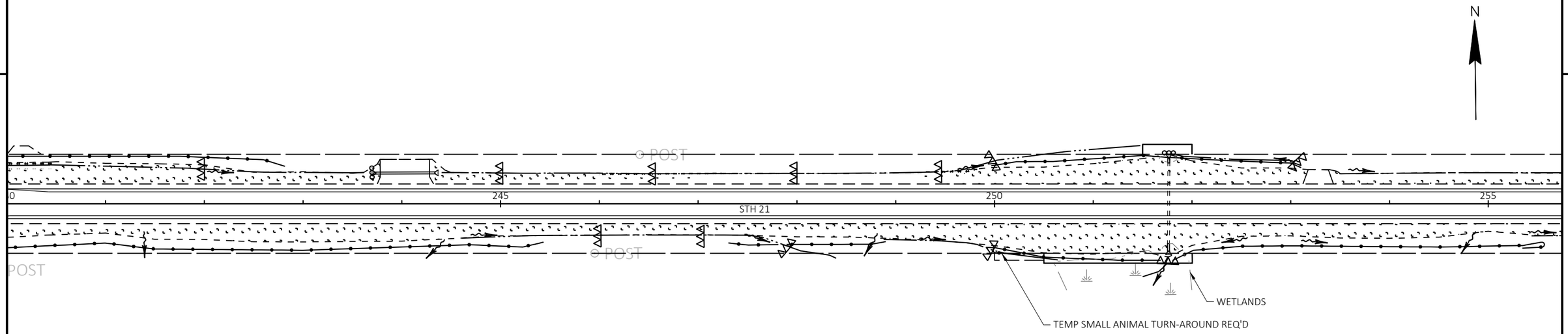


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 34	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 35	E

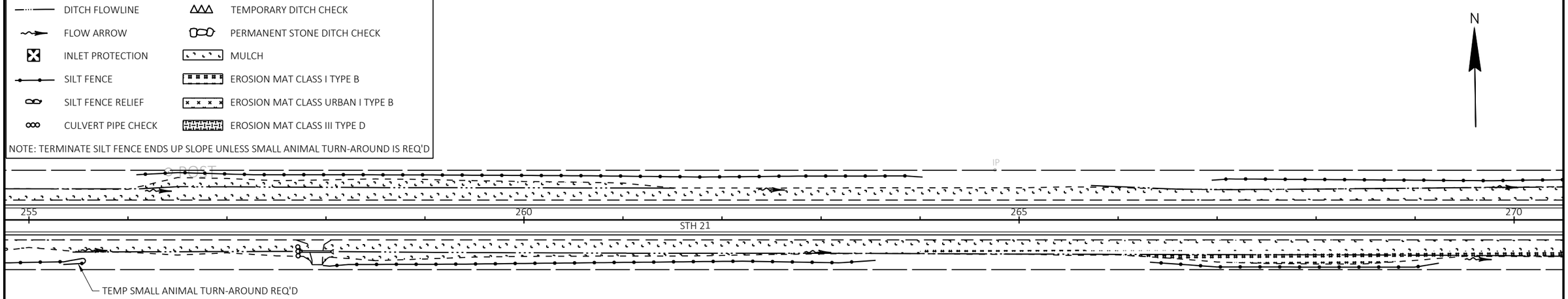
2



LEGEND

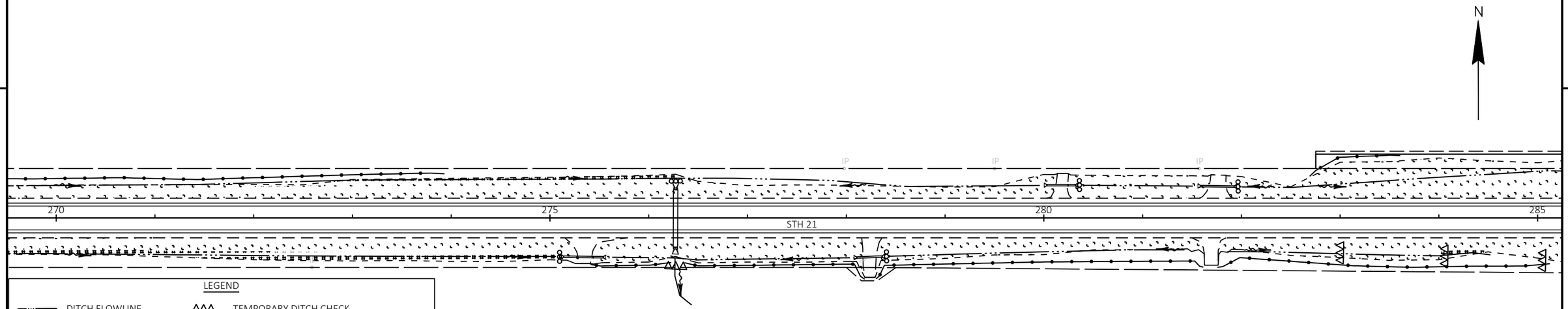
DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 36	E

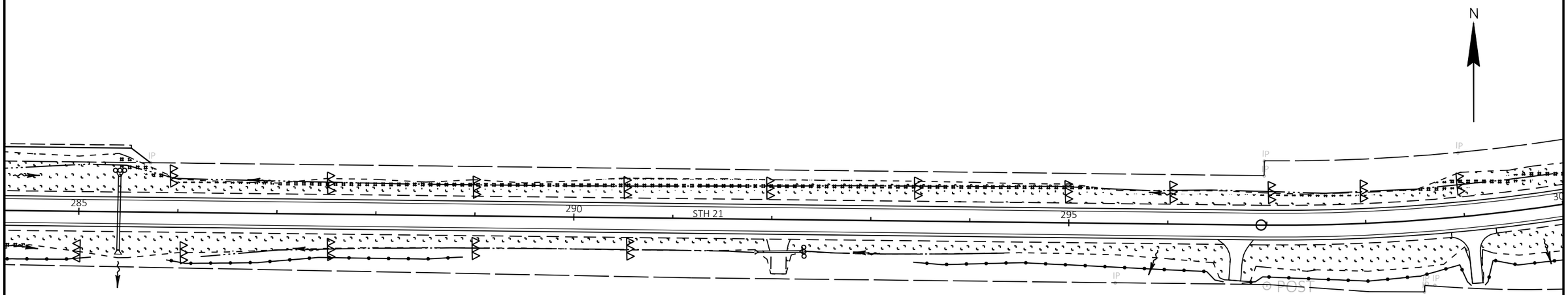
2



LEGEND

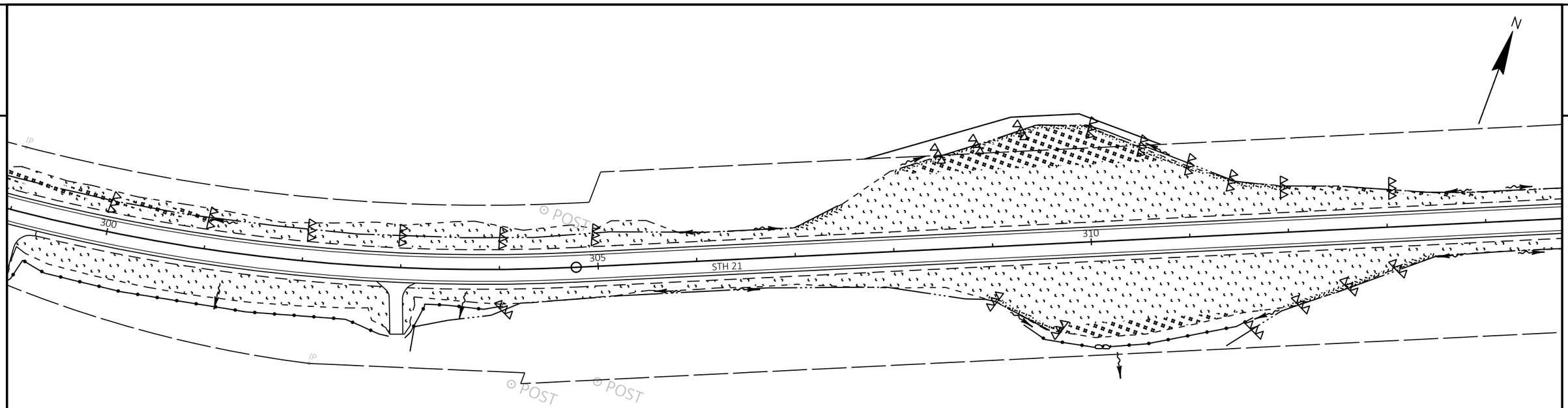
DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 37	E

2

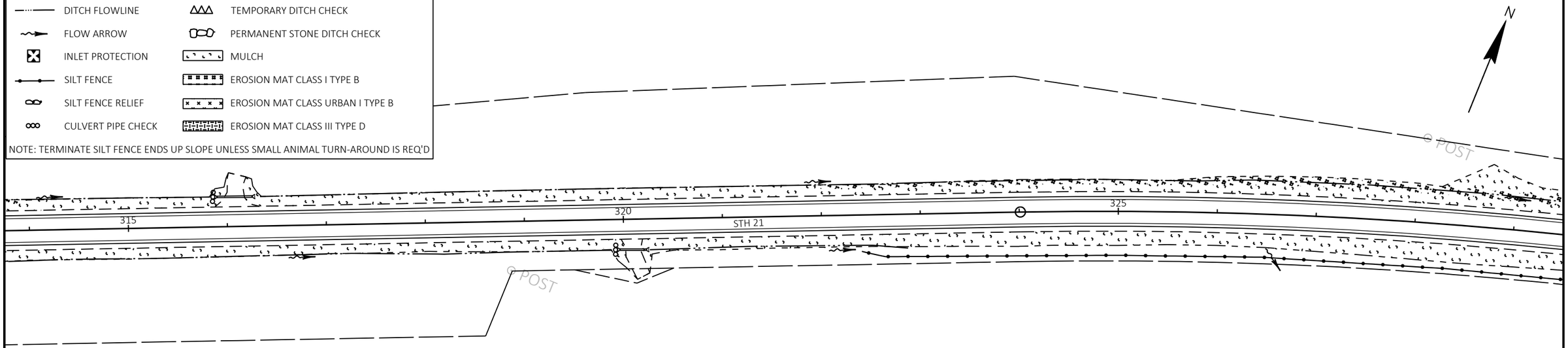


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LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 38	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (11)

PLOT DATE : 10/11/2022 3:03 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

IP

IP

IP

IP

330

335

STH 21

340

POST

LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D

N

11TH DR

WETLANDS

TEMP SMALL ANIMAL TURN-AROUND REQ'D

POST

345

350

355

STH 21

POST

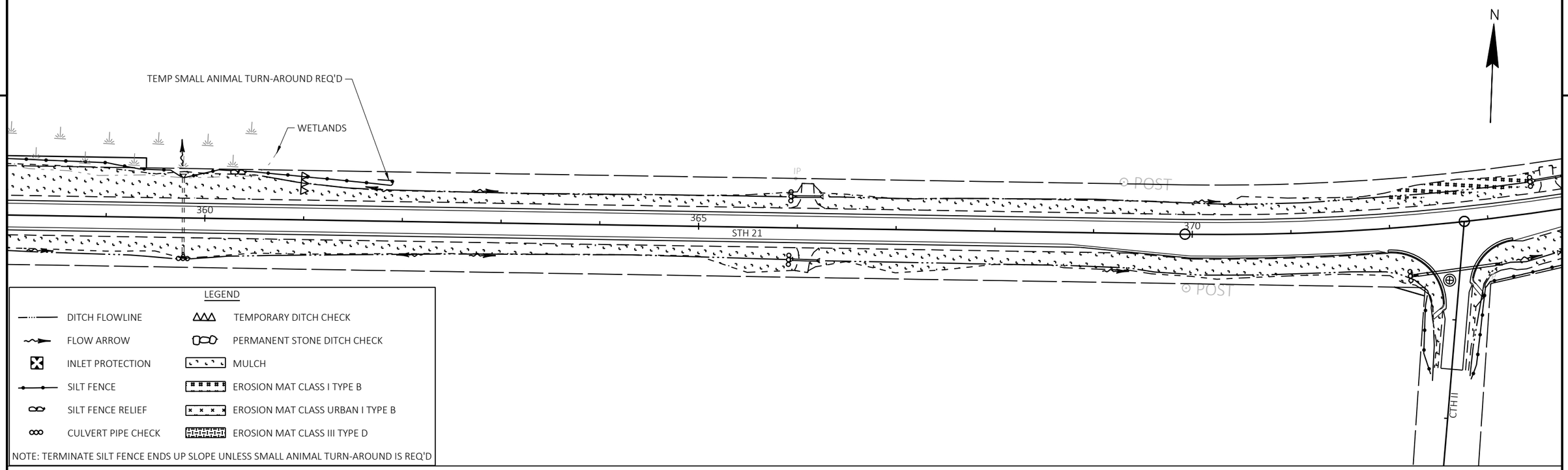
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 39	E

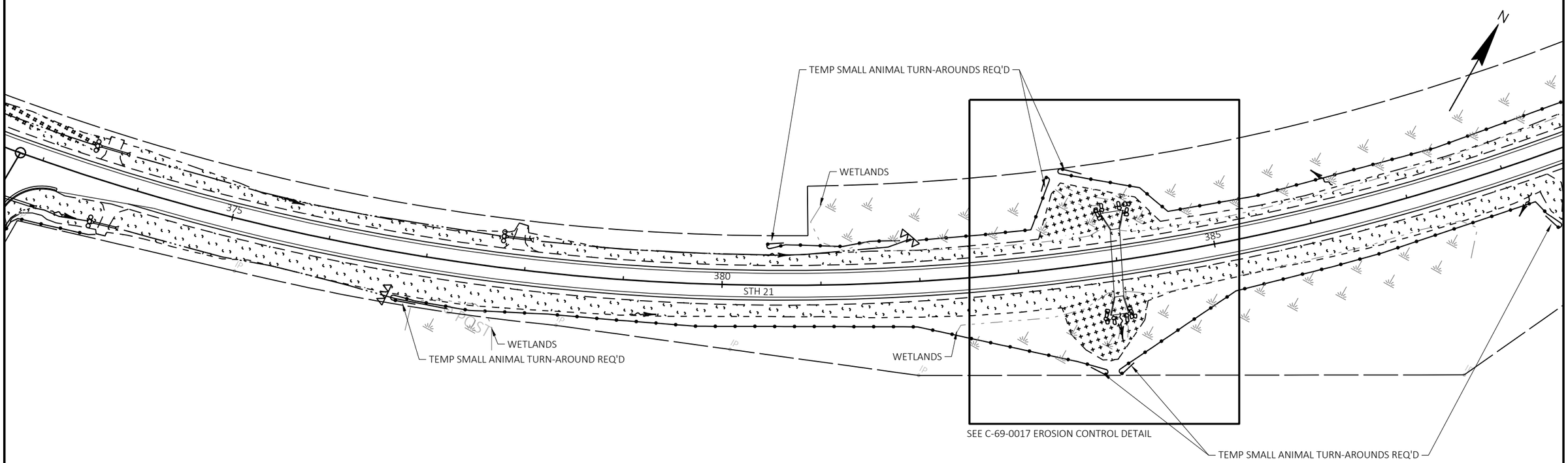
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (12)

PLOT DATE : 10/11/2022 3:03 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

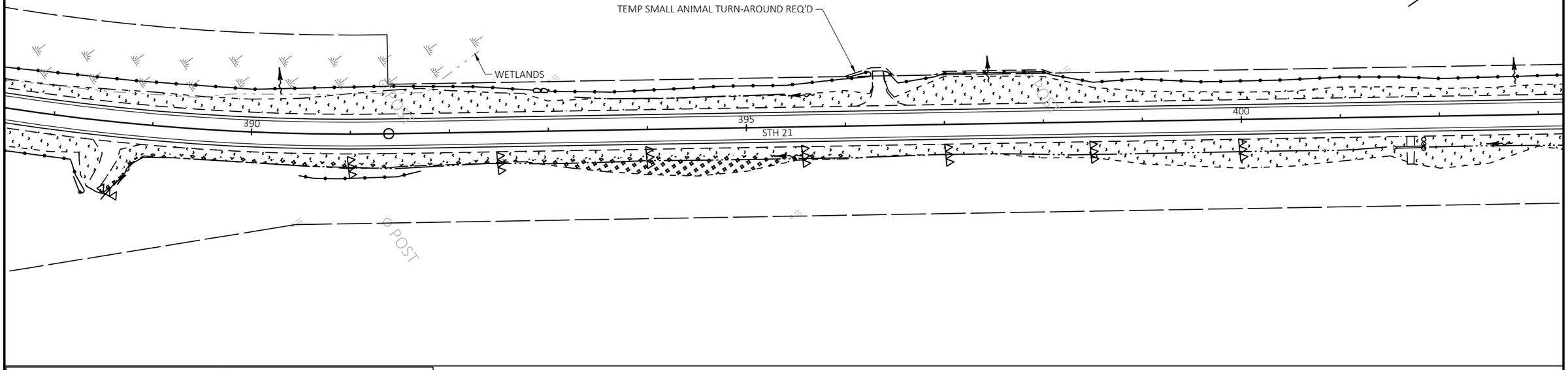
2





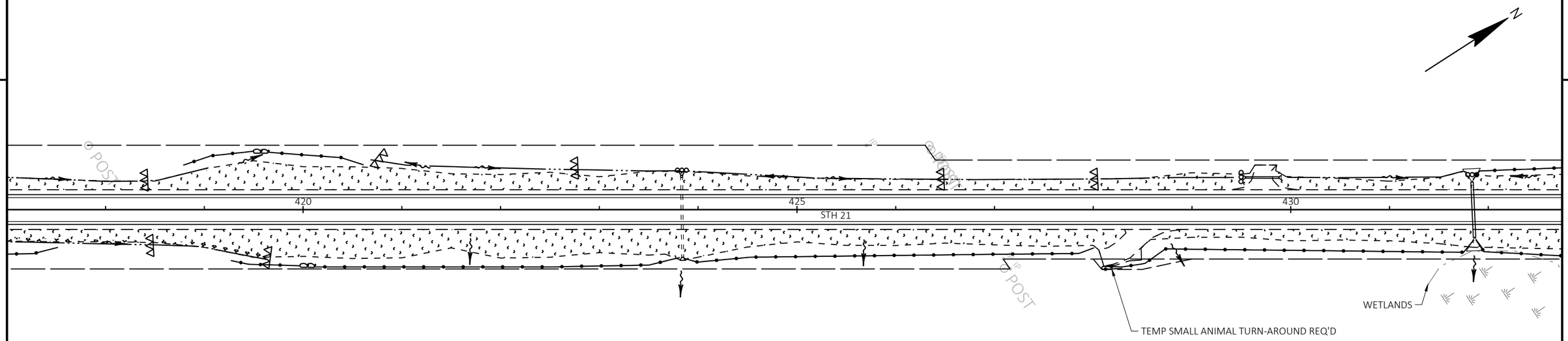
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 40	E

2



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 41	E

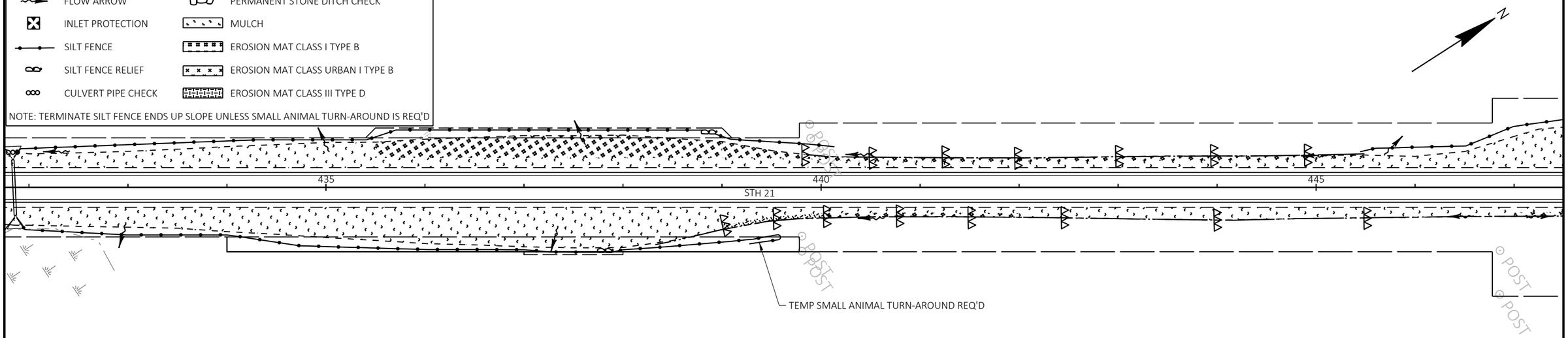
2



LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D

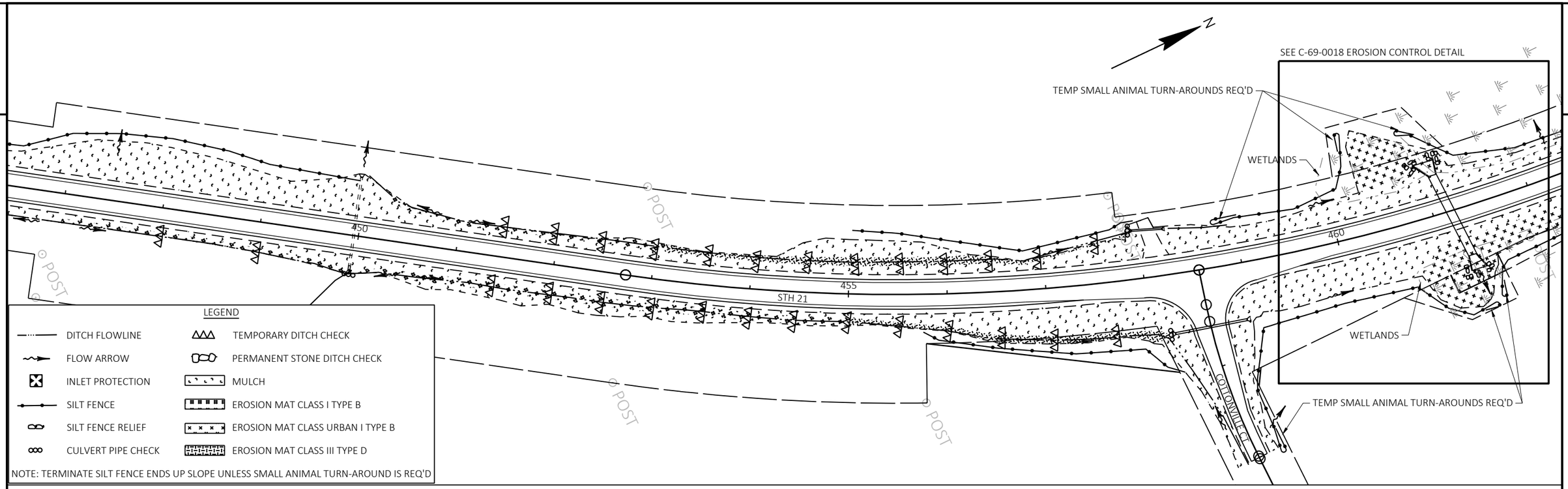


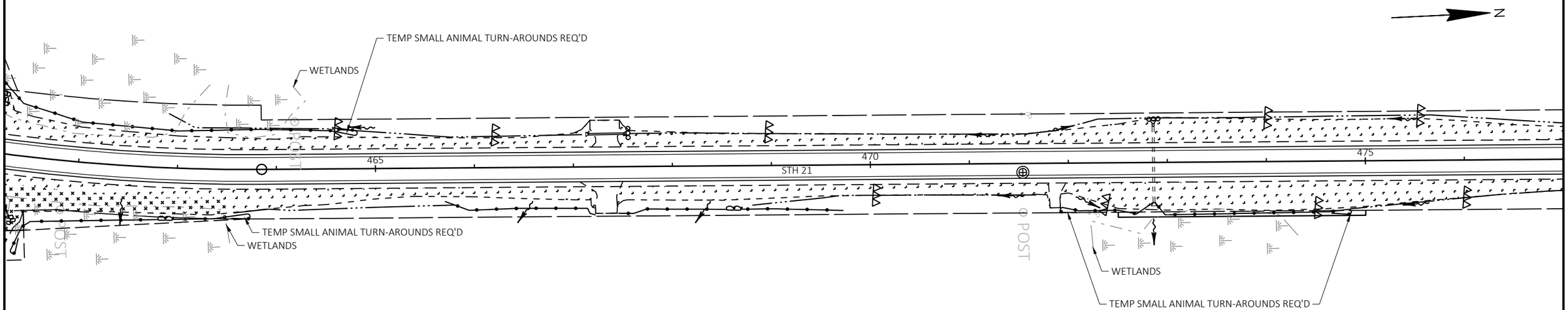
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 42	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (15)

PLOT DATE : 10/11/2022 3:04 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



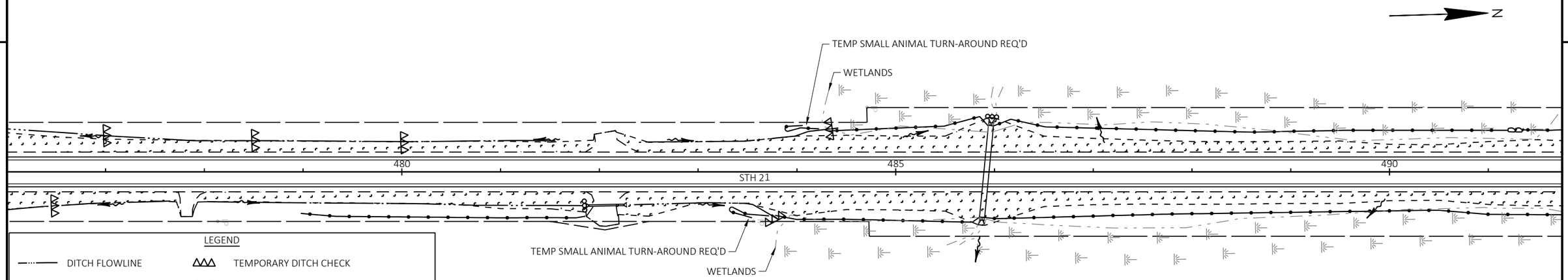


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 43	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (16)

PLOT DATE : 10/11/2022 3:04 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

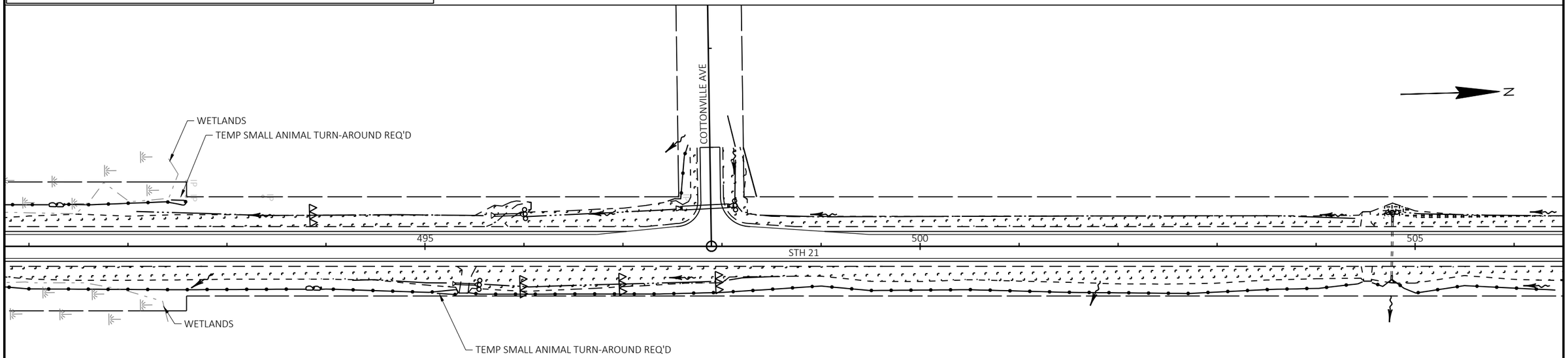
2



LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D



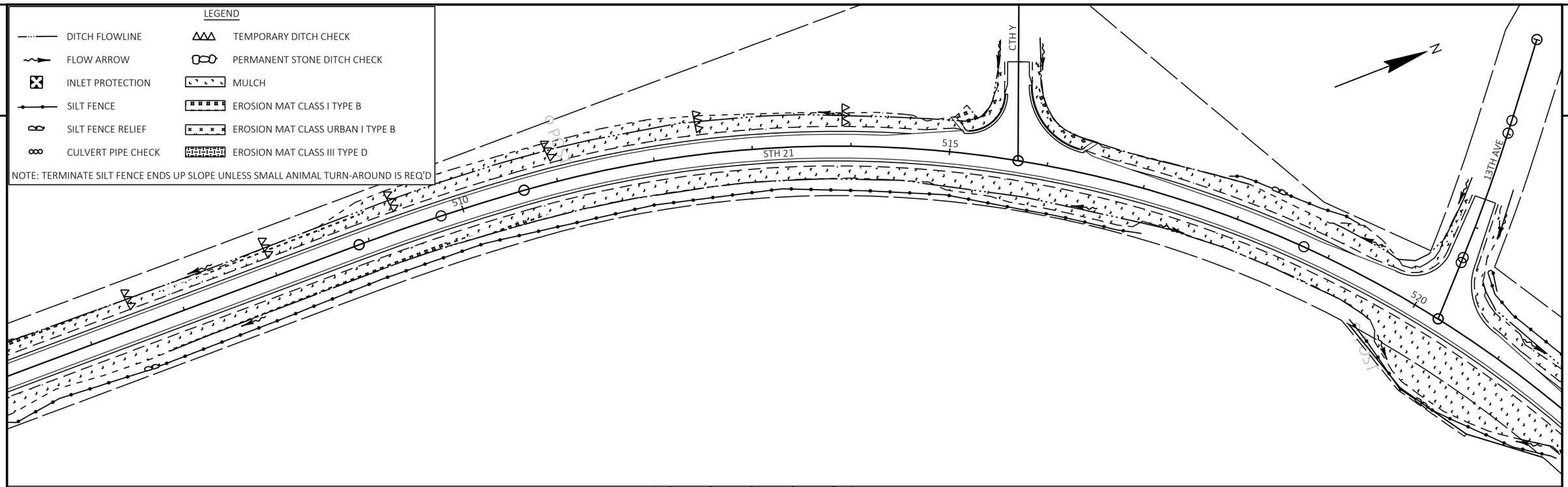
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 44	E

2

LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D

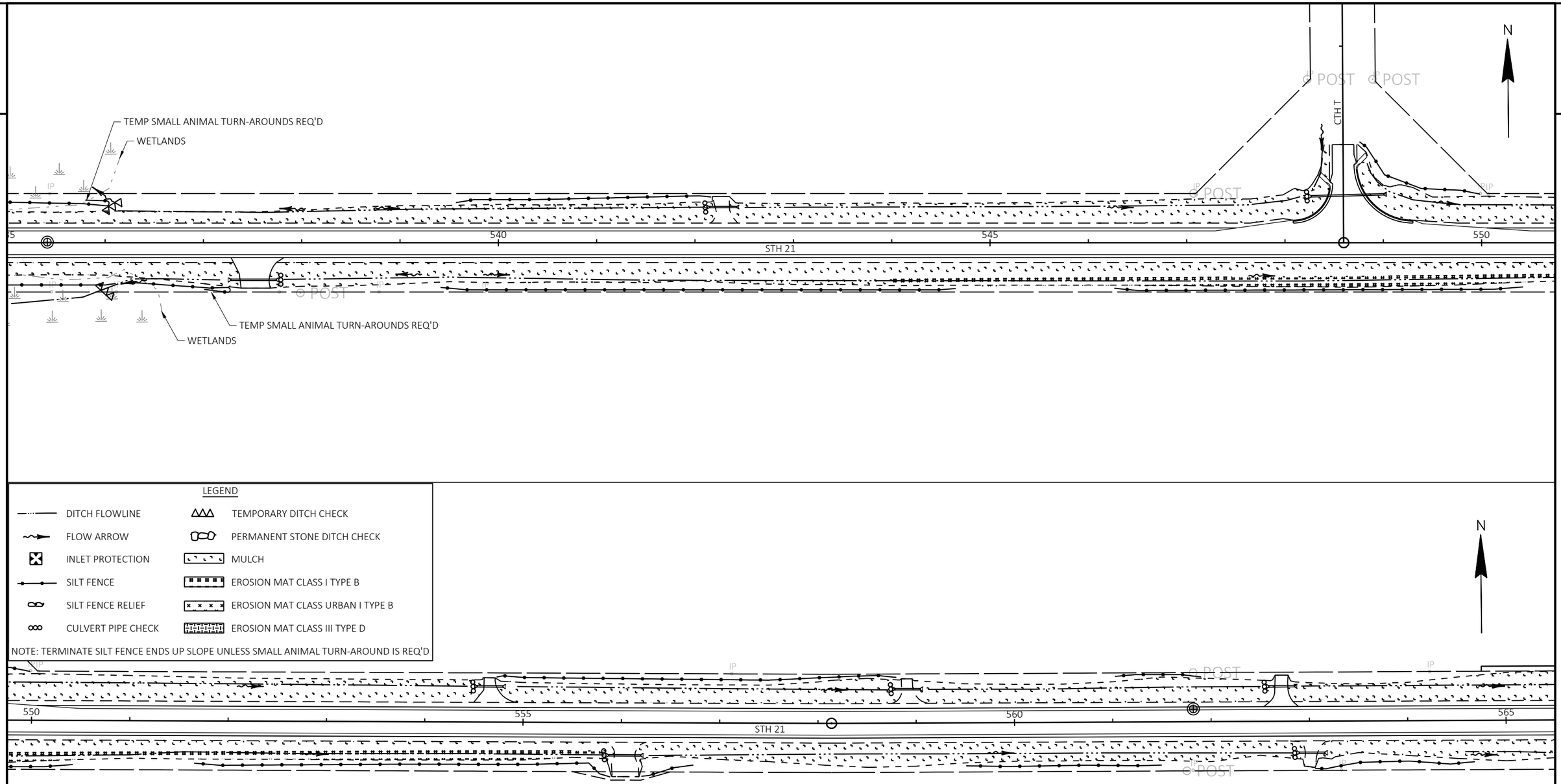


2

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 45	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (18)

PLOT DATE : 10/11/2022 3:04 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

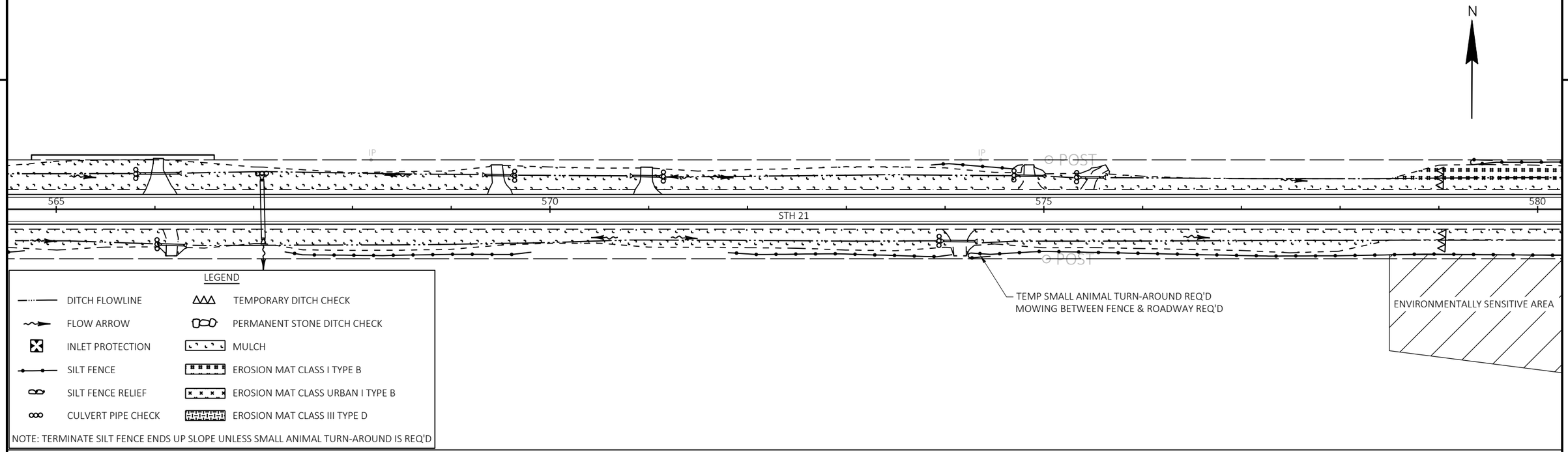


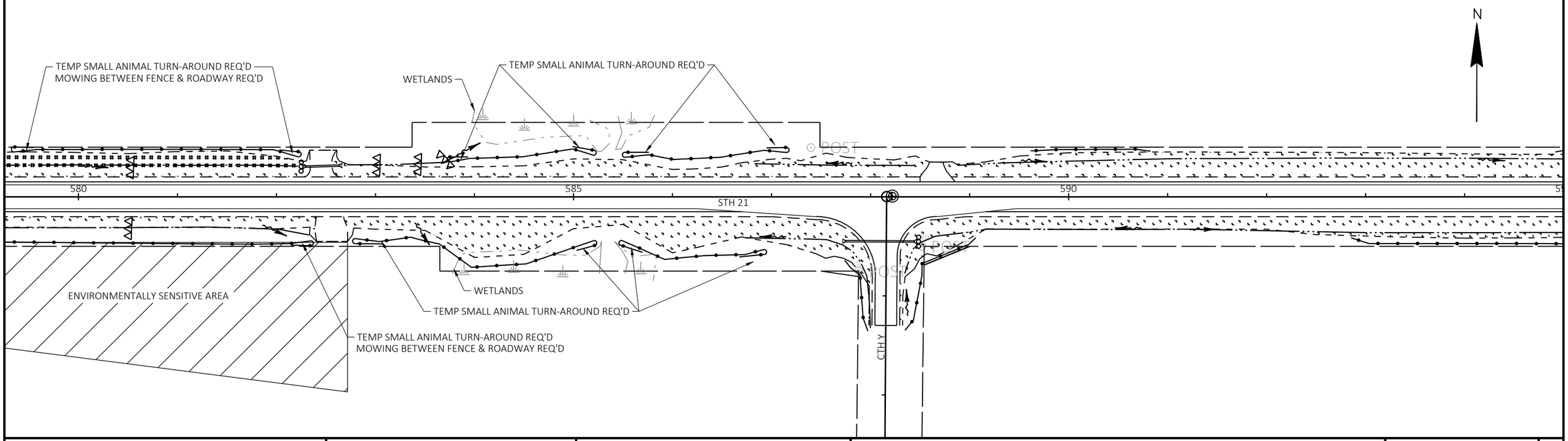
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 46	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (19)
PLOT DATE : 10/11/2022 3:04 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2





2

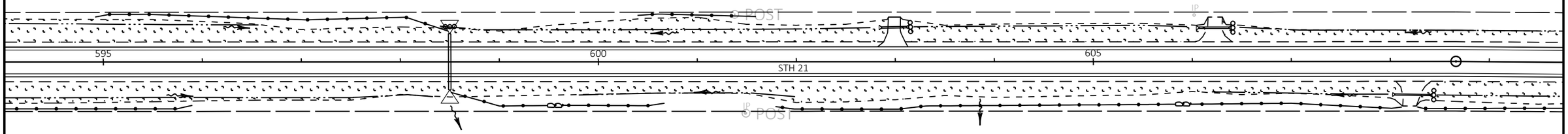
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 47	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (20)
PLOT DATE : 10/11/2022 3:04 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N



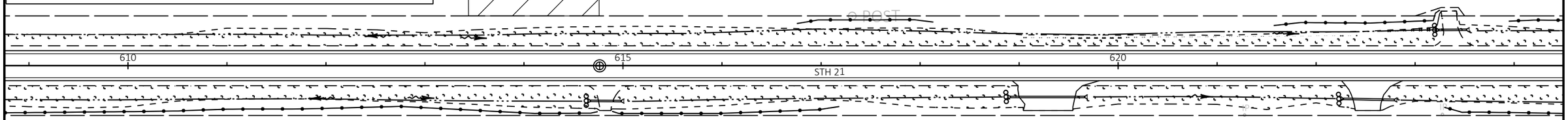
LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D

ENVIRONMENTALLY SENSITIVE AREA

N

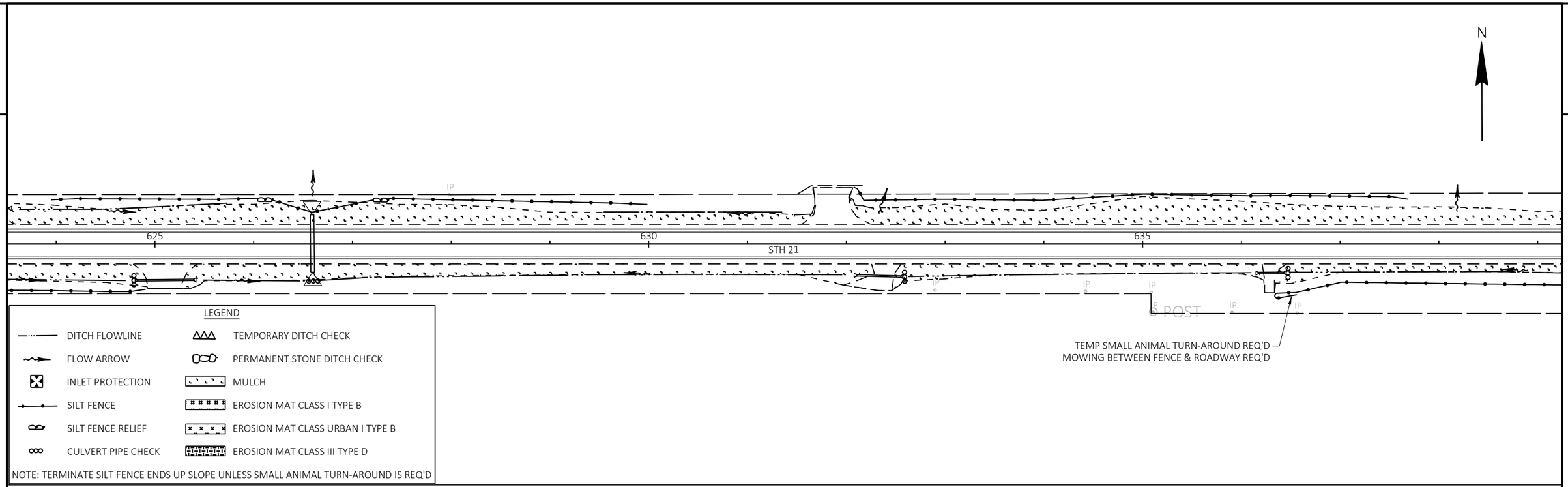


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 48	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (21)

PLOT DATE : 10/11/2022 3:05 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

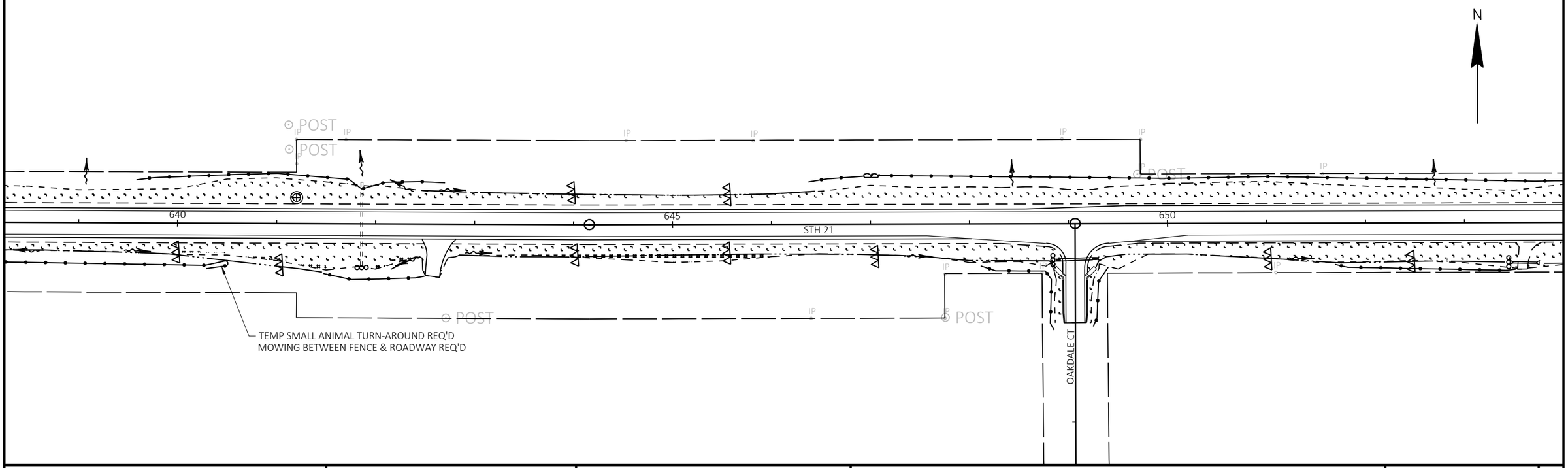
2



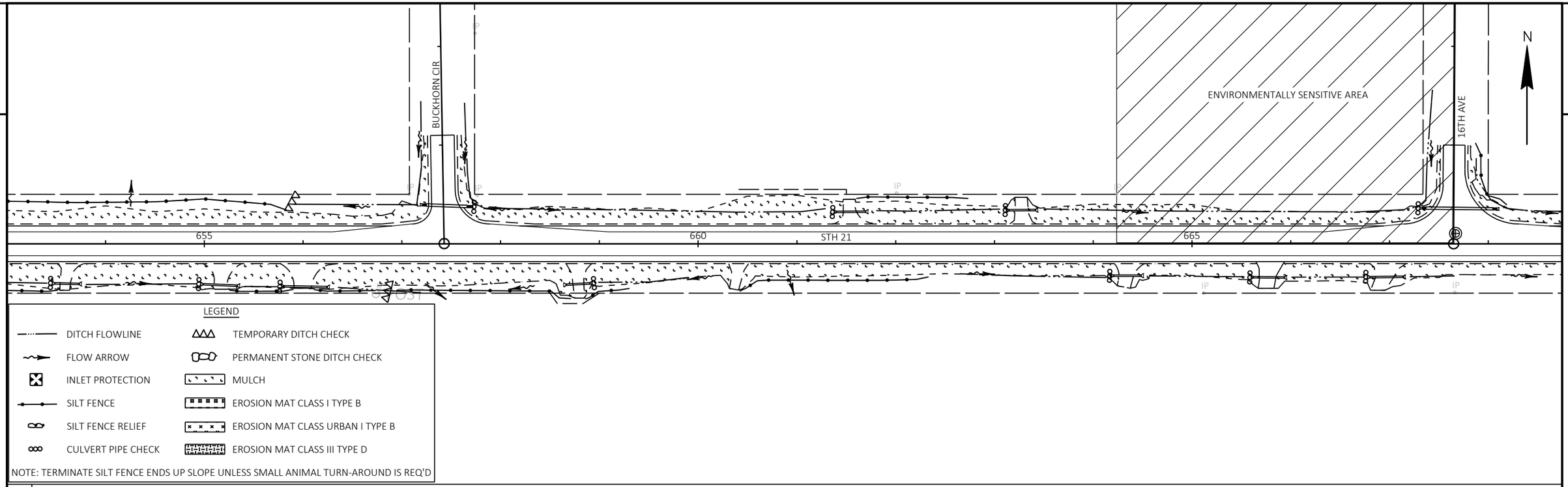
LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 49	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 50	E

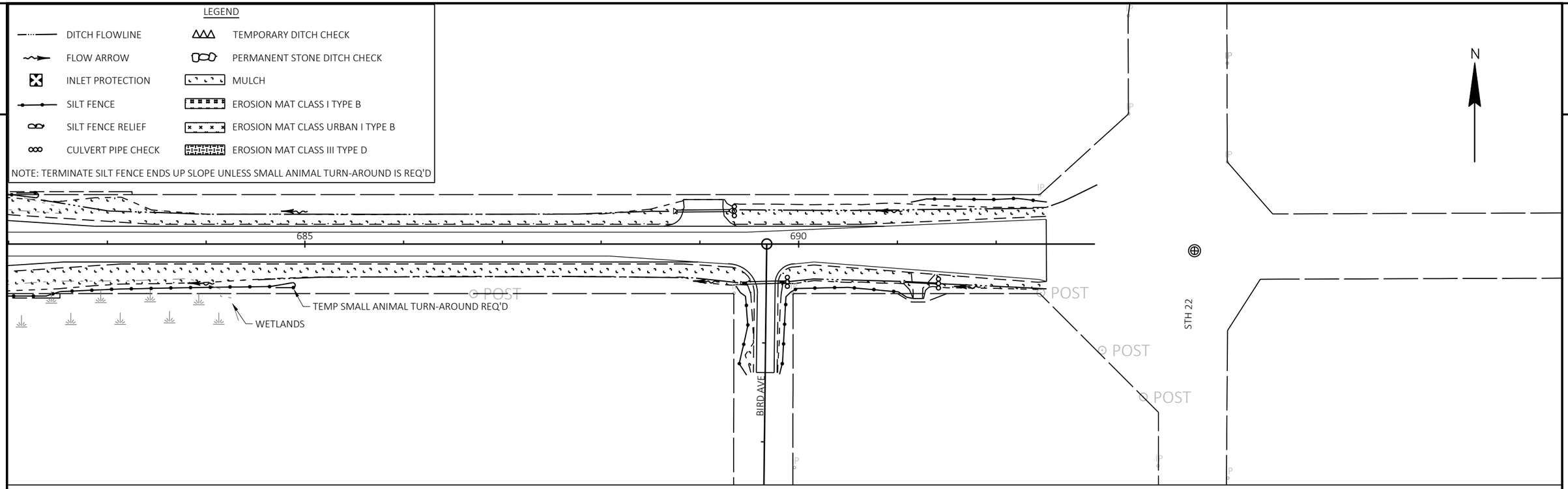
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (23)
PLOT DATE : 10/11/2022 3:05 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

DITCH FLOWLINE	TEMPORARY DITCH CHECK
FLOW ARROW	PERMANENT STONE DITCH CHECK
INLET PROTECTION	MULCH
SILT FENCE	EROSION MAT CLASS I TYPE B
SILT FENCE RELIEF	EROSION MAT CLASS URBAN I TYPE B
CULVERT PIPE CHECK	EROSION MAT CLASS III TYPE D

NOTE: TERMINATE SILT FENCE ENDS UP SLOPE UNLESS SMALL ANIMAL TURN-AROUND IS REQ'D

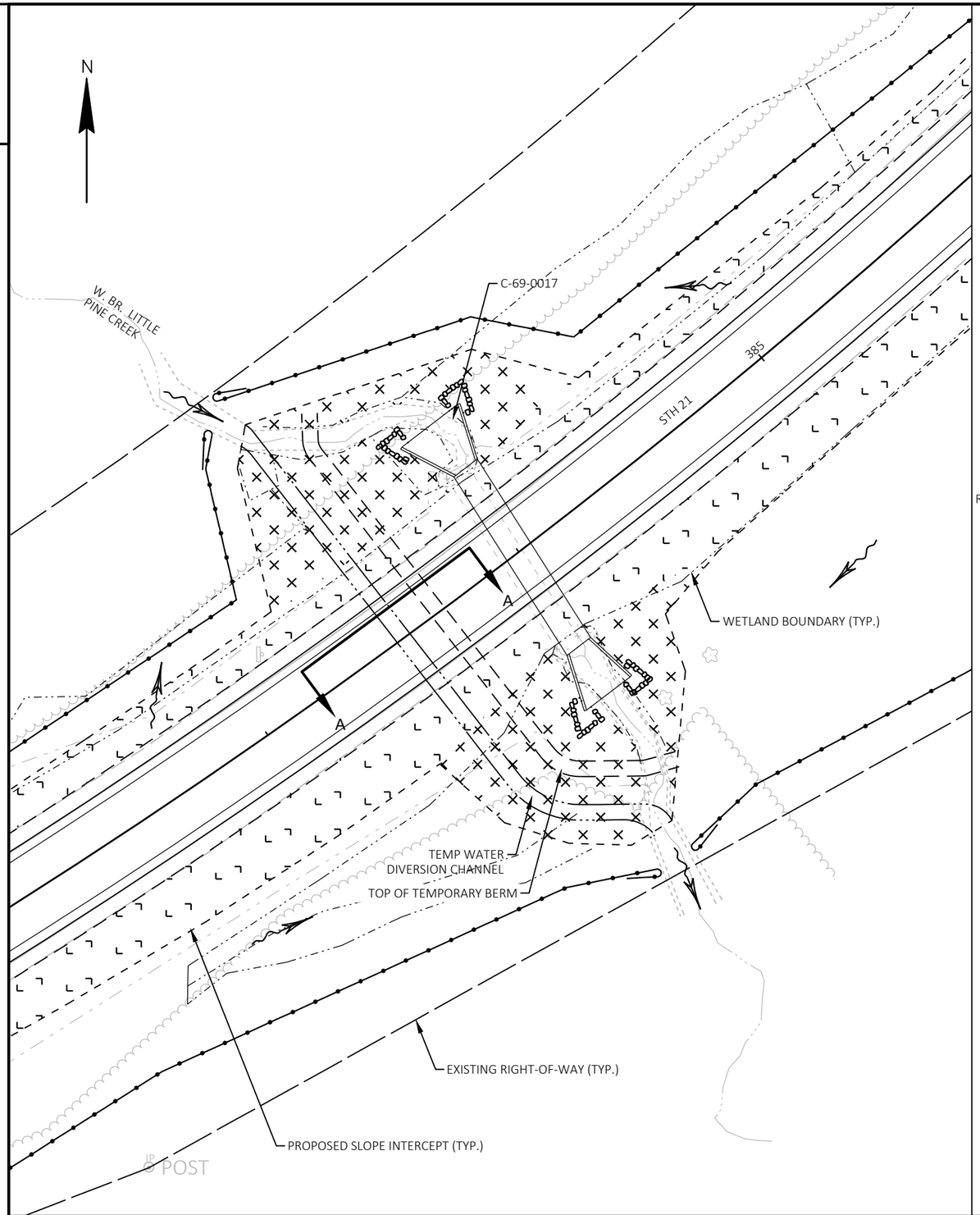


2

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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	EROSION CONTROL	SHEET 51	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - Sheet - (24)
PLOT DATE : 10/11/2022 3:05 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



LEGEND

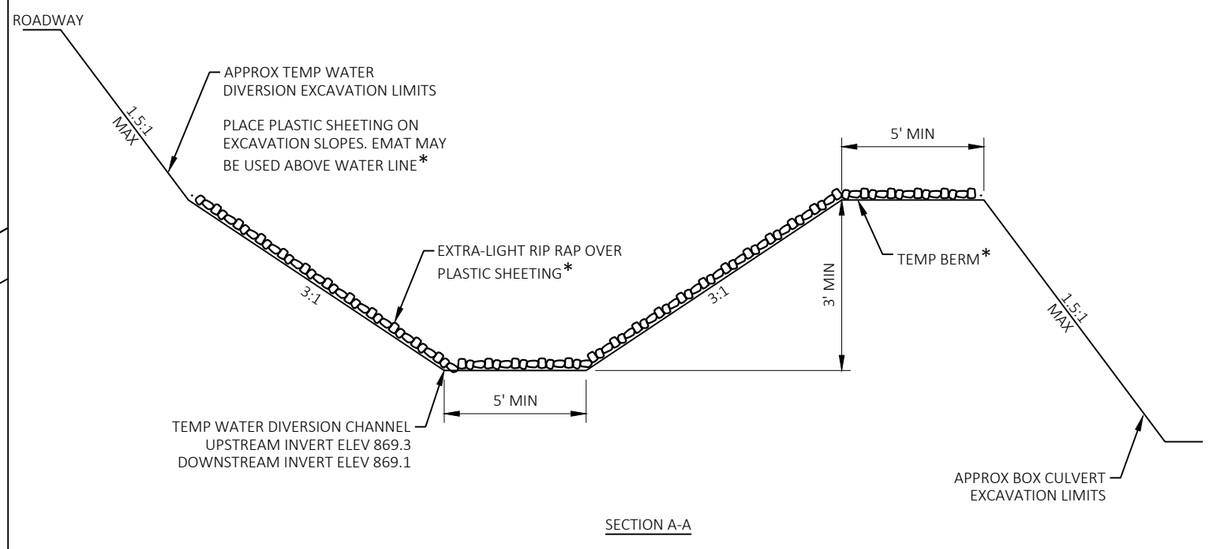
- FLOW ARROW
- SILT FENCE
- MULCH
- EROSION MAT URBAN CLASS I TYPE B
- RIP RAP

NOTES:

Q10 = 55 CFS
VELOCITY IN CHANNEL = 1.6 FT/S
DEPTH IN CHANNEL = 2.7 FT

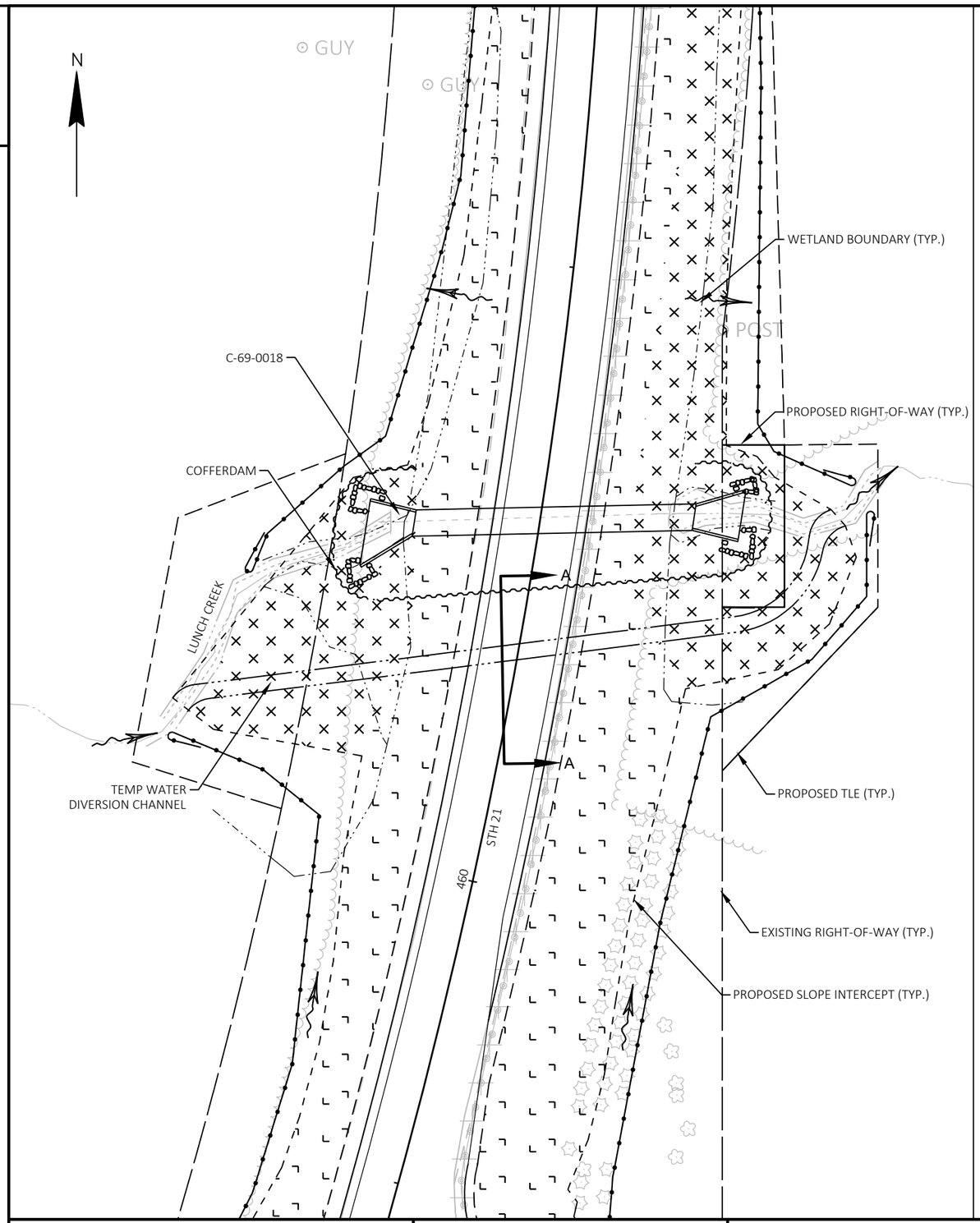
AS AN ALTERNATIVE TO THE TEMP WATER DIVERSION CHANNEL, 2 - 48 INCH (OR EQUIVALENT) TEMP CULVERTS MAY BE USED*

*INCIDENTAL TO TEMPORARY WATER DIVERSION ITEM



SECTION A-A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	C-69-0017 EROSION CONTROL DETAIL	SHEET 52	E



LEGEND

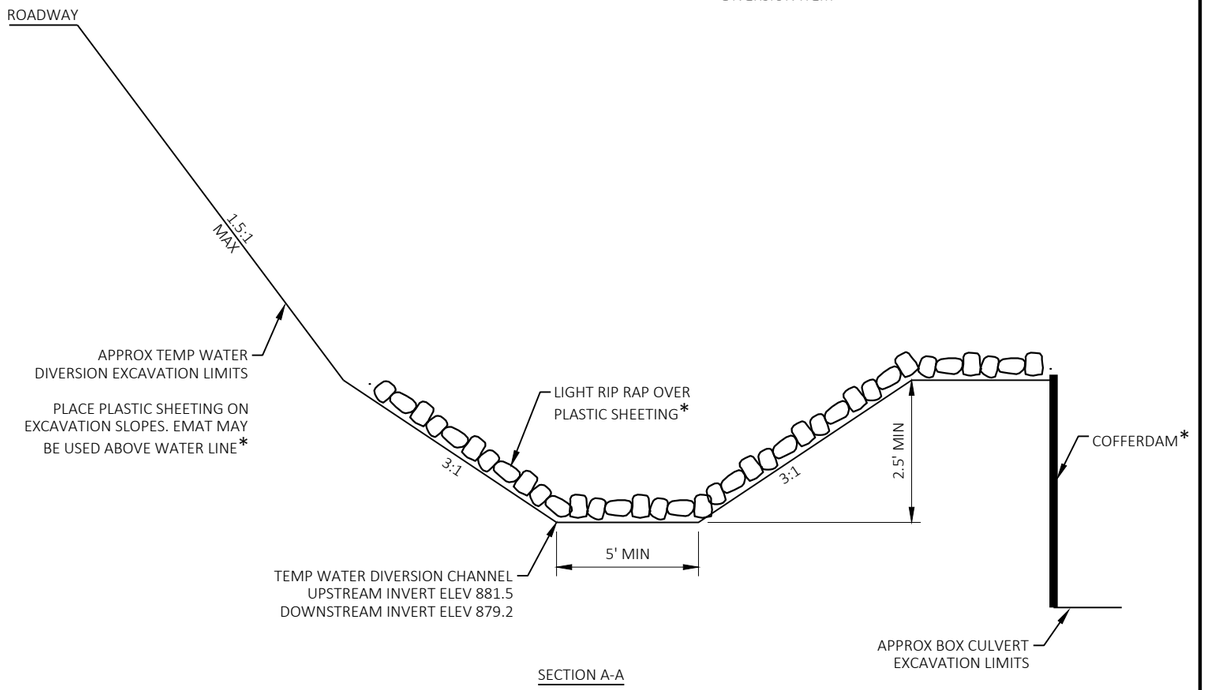
- FLOW ARROW
- SILT FENCE
- MULCH
- EROSION MAT URBAN CLASS I TYPE B
- RIP RAP

NOTES:

Q10 = 60 CFS
VELOCITY IN CHANNEL = 2.2 FT/S
DEPTH IN CHANNEL = 2.3 FT

AS AN ALTERNATIVE TO THE TEMP WATER DIVERSION CHANNEL, 2 - 36 INCH (OR EQUIVALENT) TEMP CULVERTS MAY BE USED*

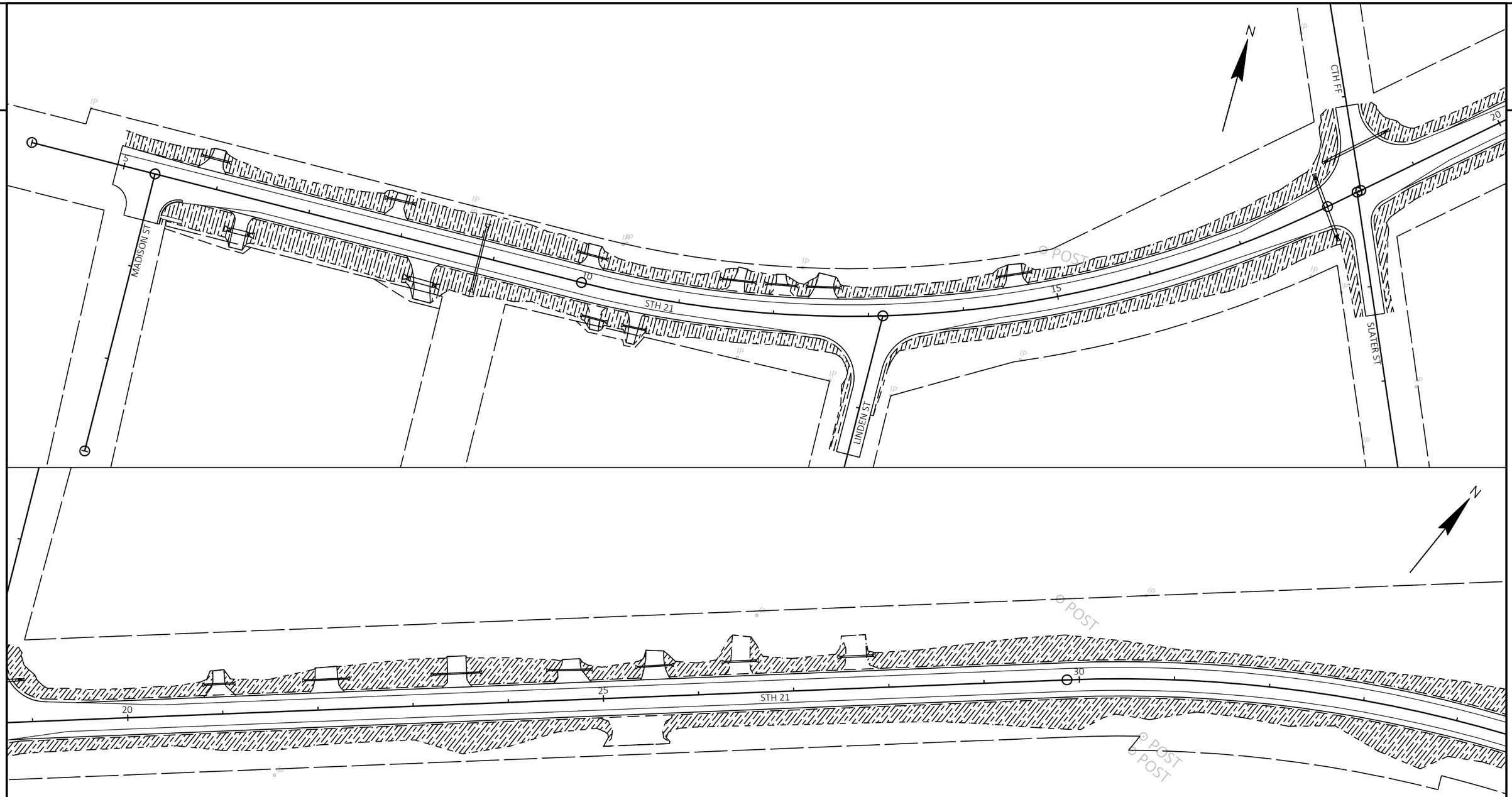
*INCIDENTAL TO TEMPORARY WATER DIVERSION ITEM



SECTION A-A

2

2



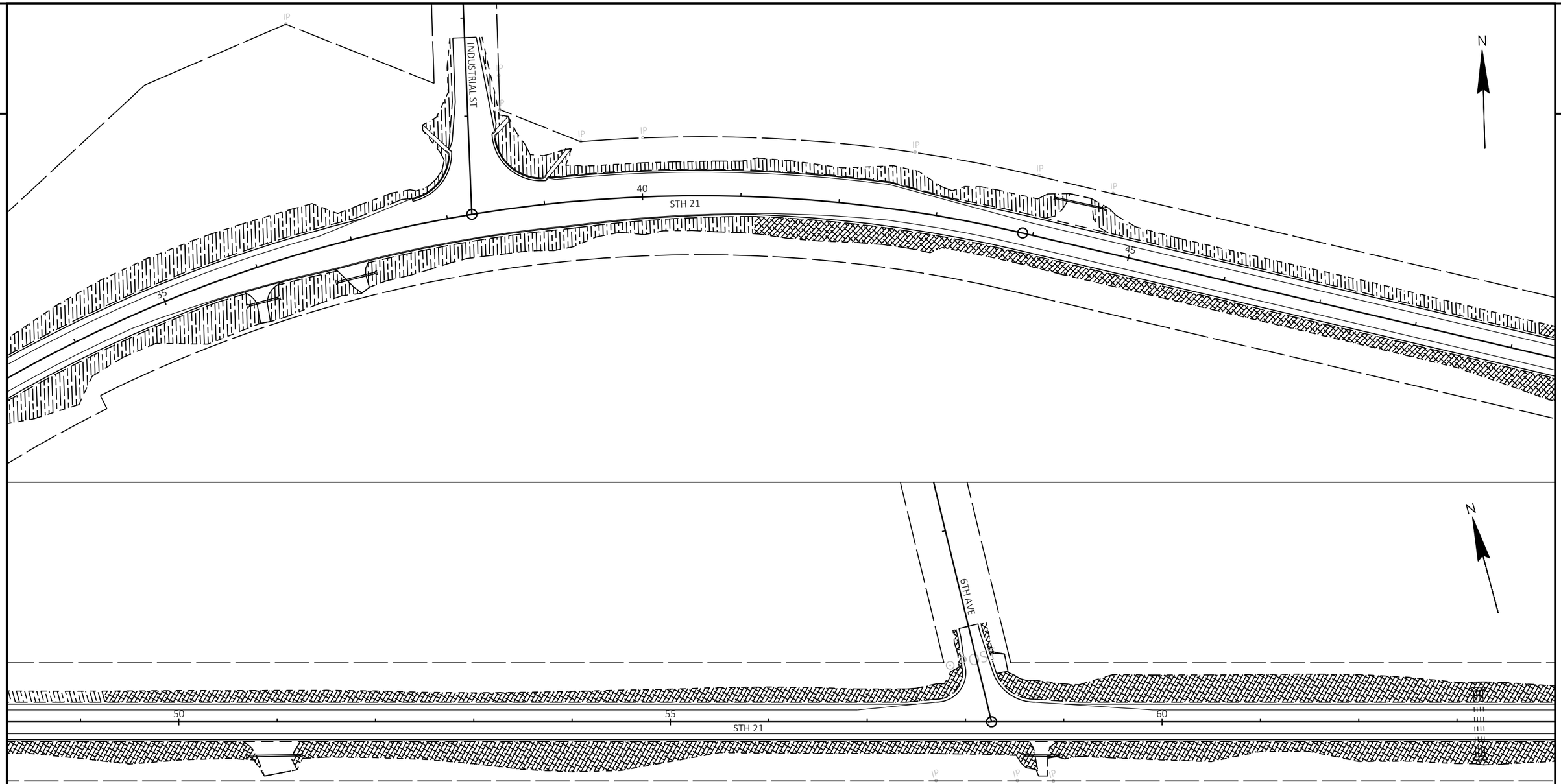
LEGEND

- SEEDING MIXTURE #20
- SEEDING MIXTURE #40
- SEEDING MIXTURE #85A
- SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 54	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (1)
PLOT DATE : 7/14/2022 12:00 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



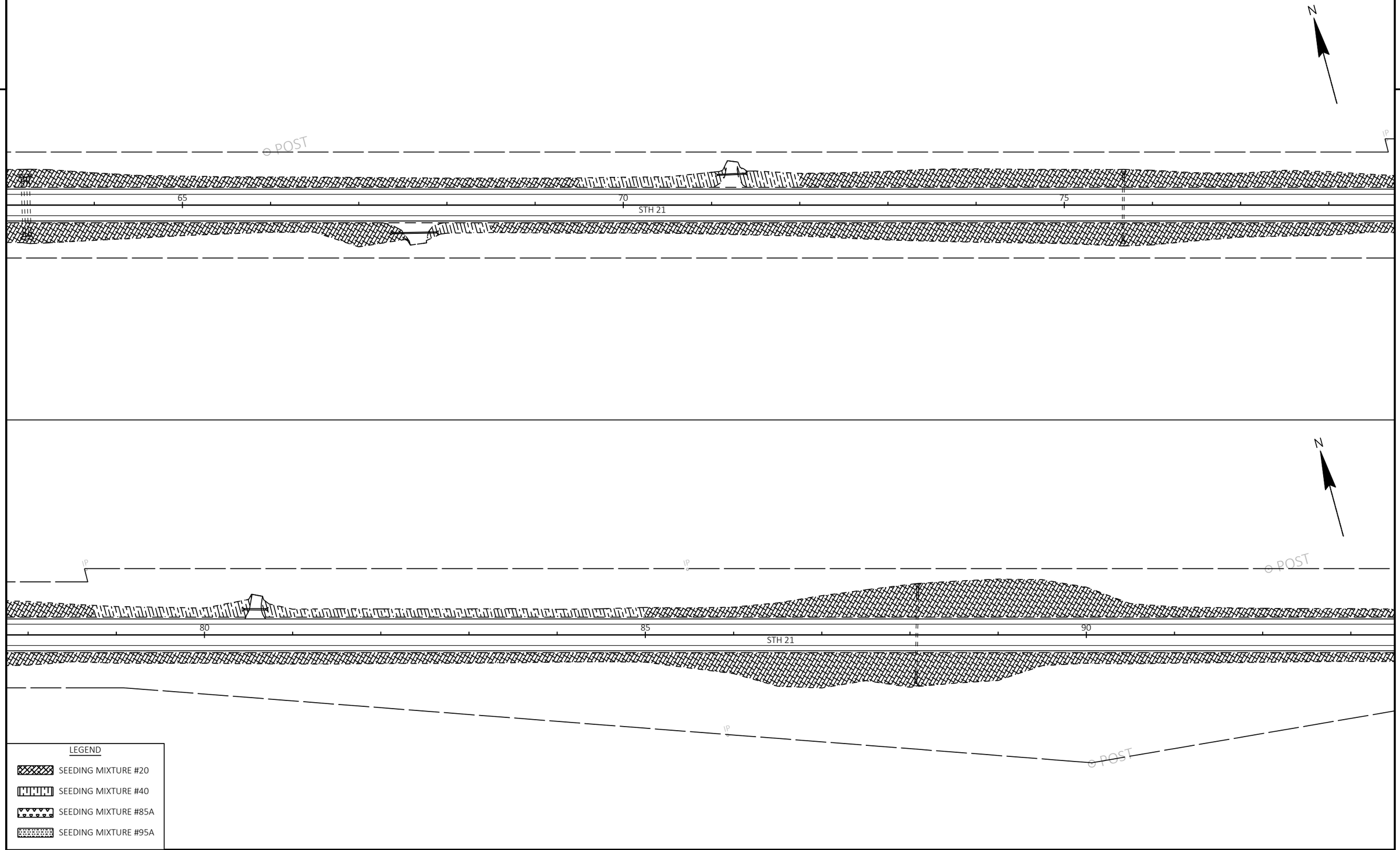
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 55	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (2)

PLOT DATE : 7/14/2022 12:00 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 56	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (3)

PLOT DATE : 7/14/2022 12:00 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

95

100

105

STH 21

POST

POST

POST

POST

CREE RD

110

115

120

STH 21

N

POST

POST

LEGEND

SEEDING MIXTURE #20

SEEDING MIXTURE #40

SEEDING MIXTURE #85A

SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 57	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (4)

PLOT DATE : 7/14/2022 12:00 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

CTH GG

7TH DR

STH 21

125

130

135

POST

IP

N

140

145

150

STH 21

POST

LEGEND

SEEDING MIXTURE #20

SEEDING MIXTURE #40

SEEDING MIXTURE #85A

SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 58	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (5)

PLOT DATE : 7/14/2022 12:00 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

POST

155

160

165

STH 21

N

POST

170

175

180

STH 21

LEGEND

SEEDING MIXTURE #20

SEEDING MIXTURE #40

SEEDING MIXTURE #85A

SEEDING MIXTURE #95A

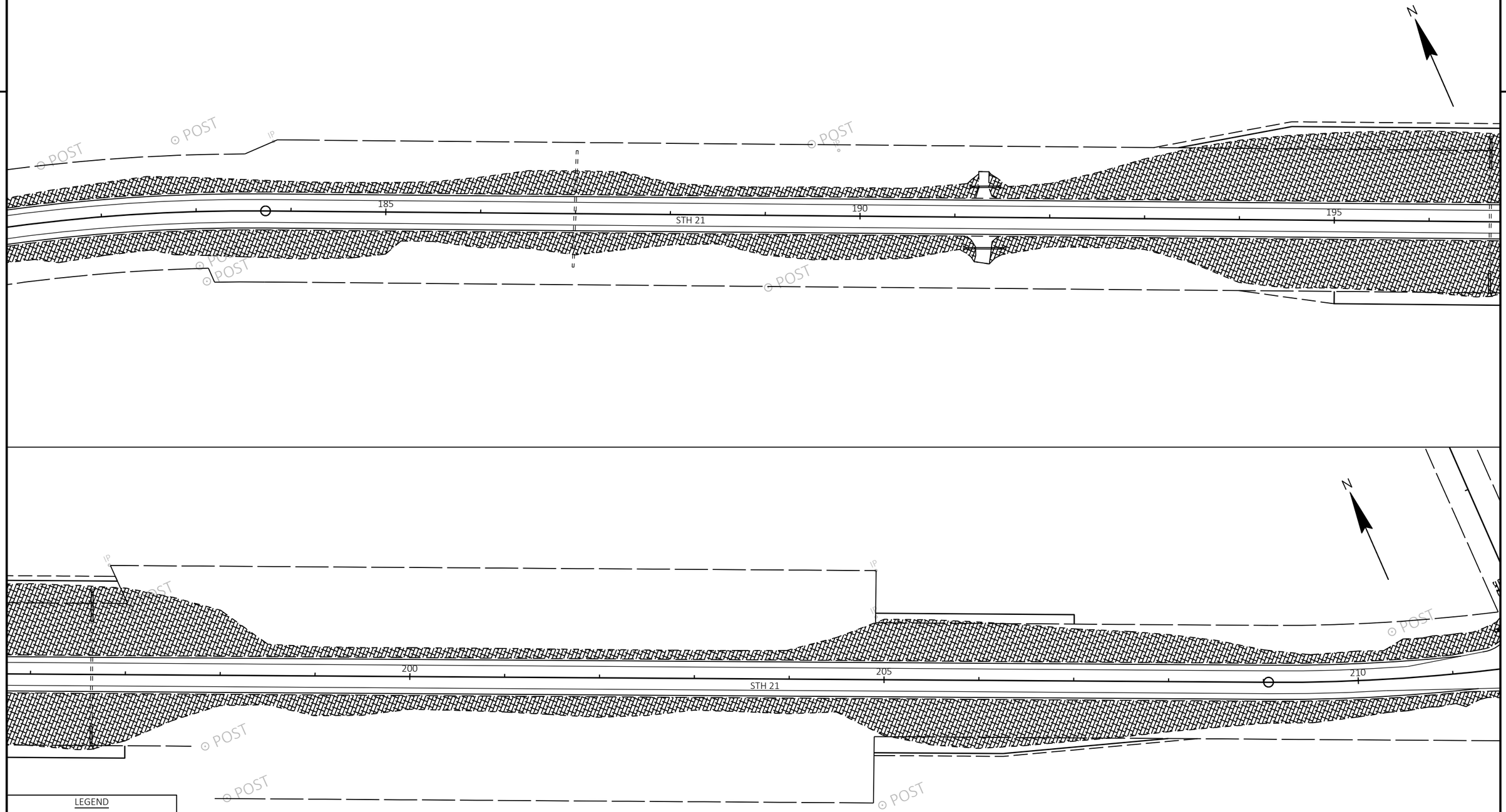
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 59	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (6)

PLOT DATE : 7/14/2022 12:01 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

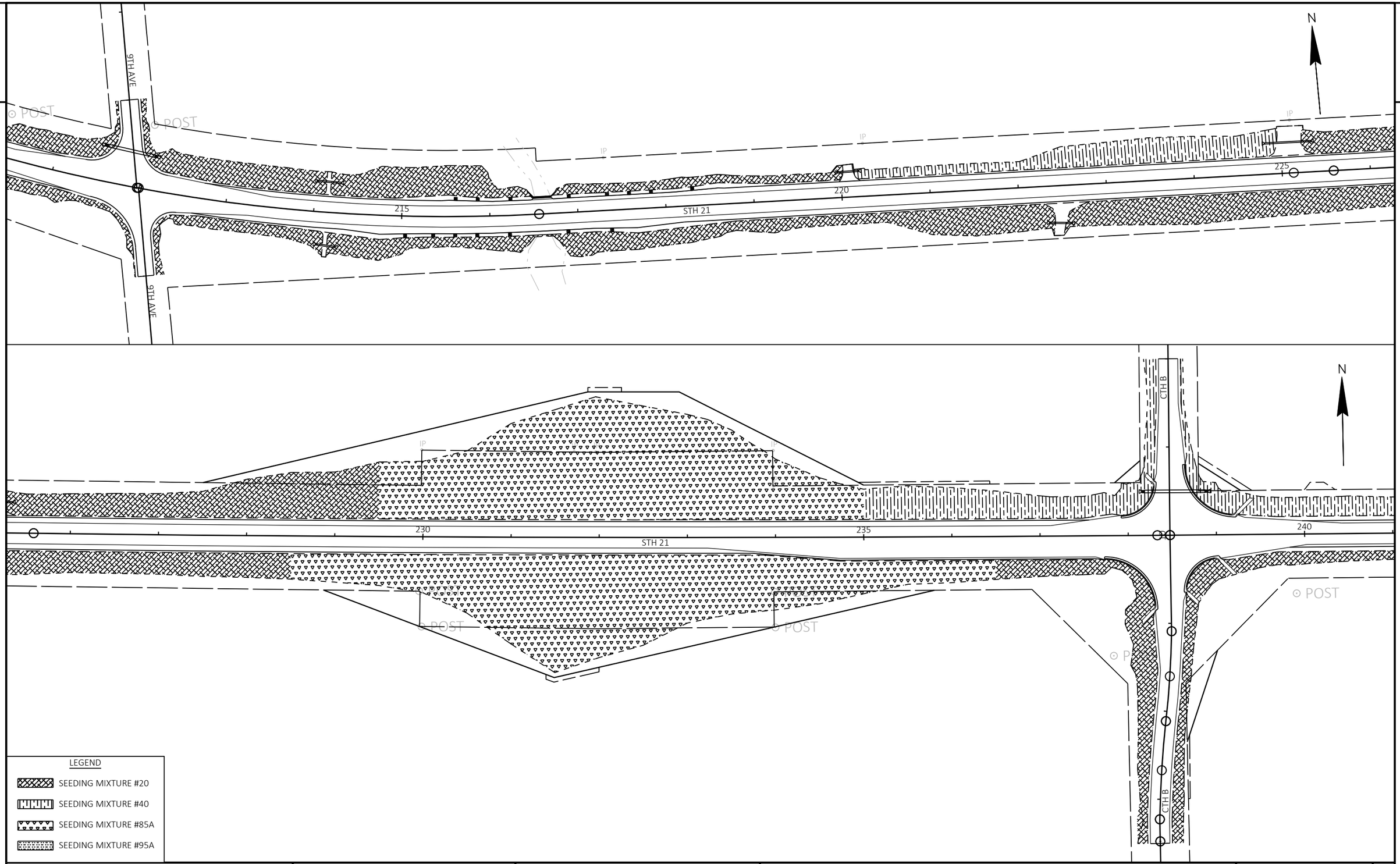


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 60	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (7)

PLOT DATE : 7/14/2022 12:01 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 61	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (8)
PLOT DATE : 7/14/2022 12:01 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

POST

POST

POST

245

250

255

STH 21

N

POST

IP

255

260

265

270

STH 21

LEGEND

SEEDING MIXTURE #20

SEEDING MIXTURE #40

SEEDING MIXTURE #85A

SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 62	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (9)

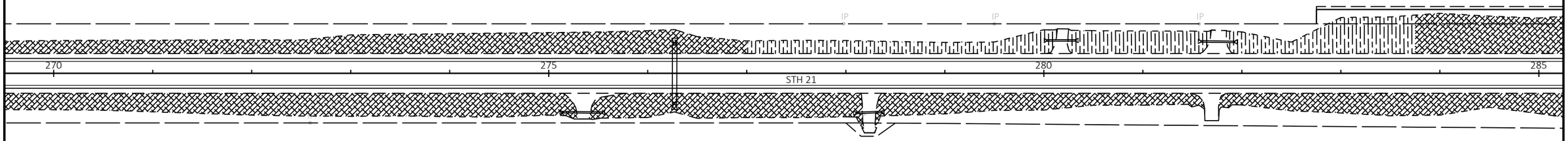
PLOT DATE : 7/14/2022 12:01 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

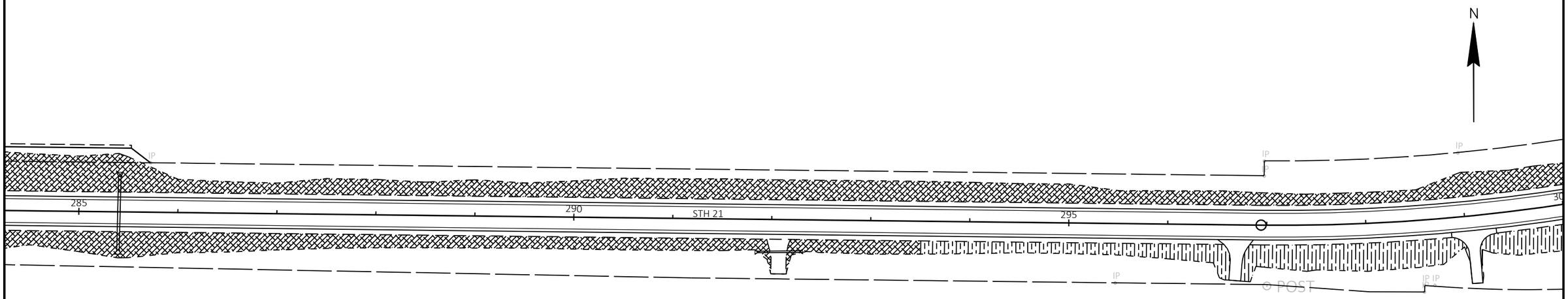
2

2

N



N



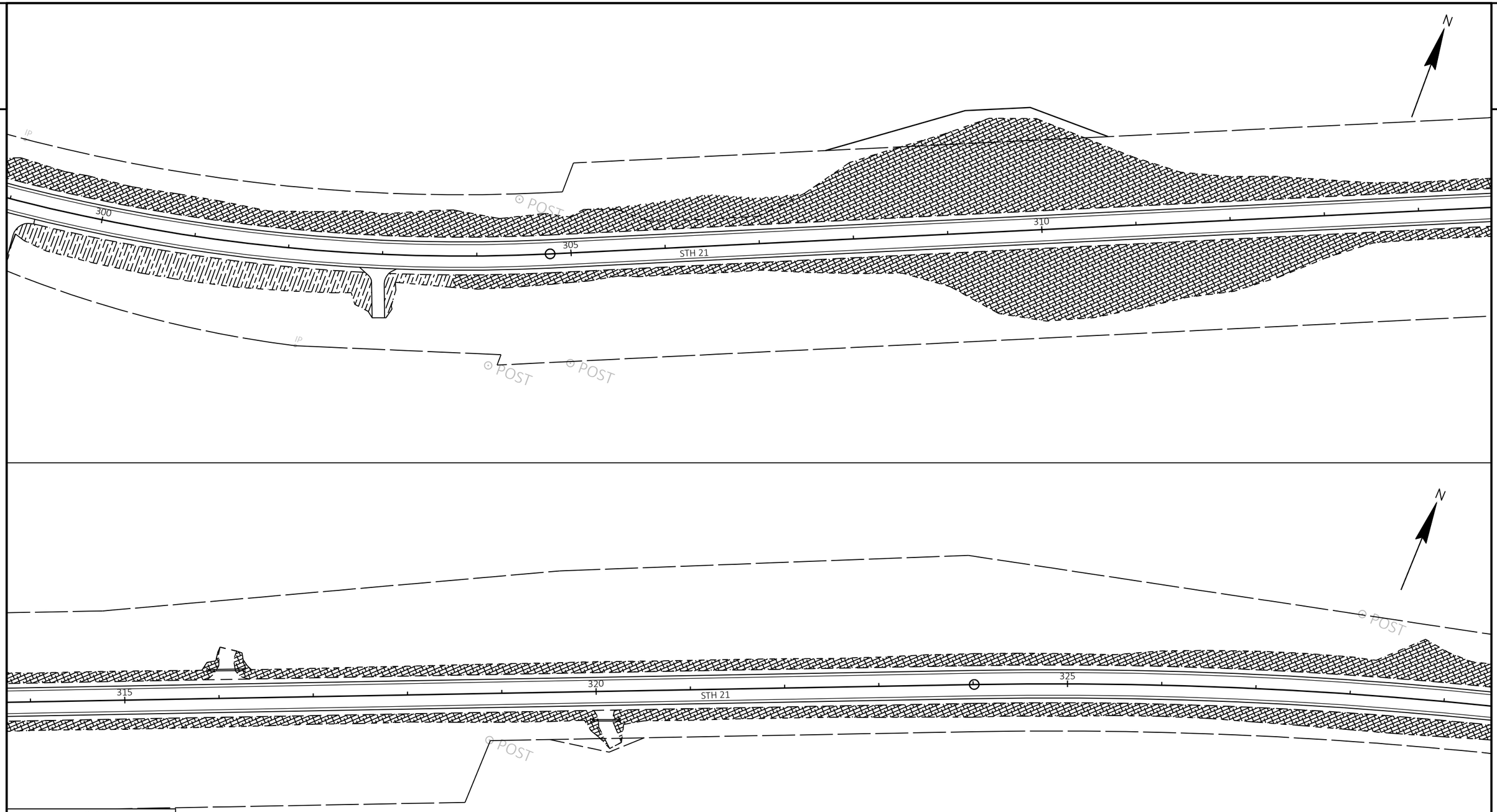
LEGEND

- SEEDING MIXTURE #20
- SEEDING MIXTURE #40
- SEEDING MIXTURE #85A
- SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 63	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (10)
PLOT DATE : 7/14/2022 12:01 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

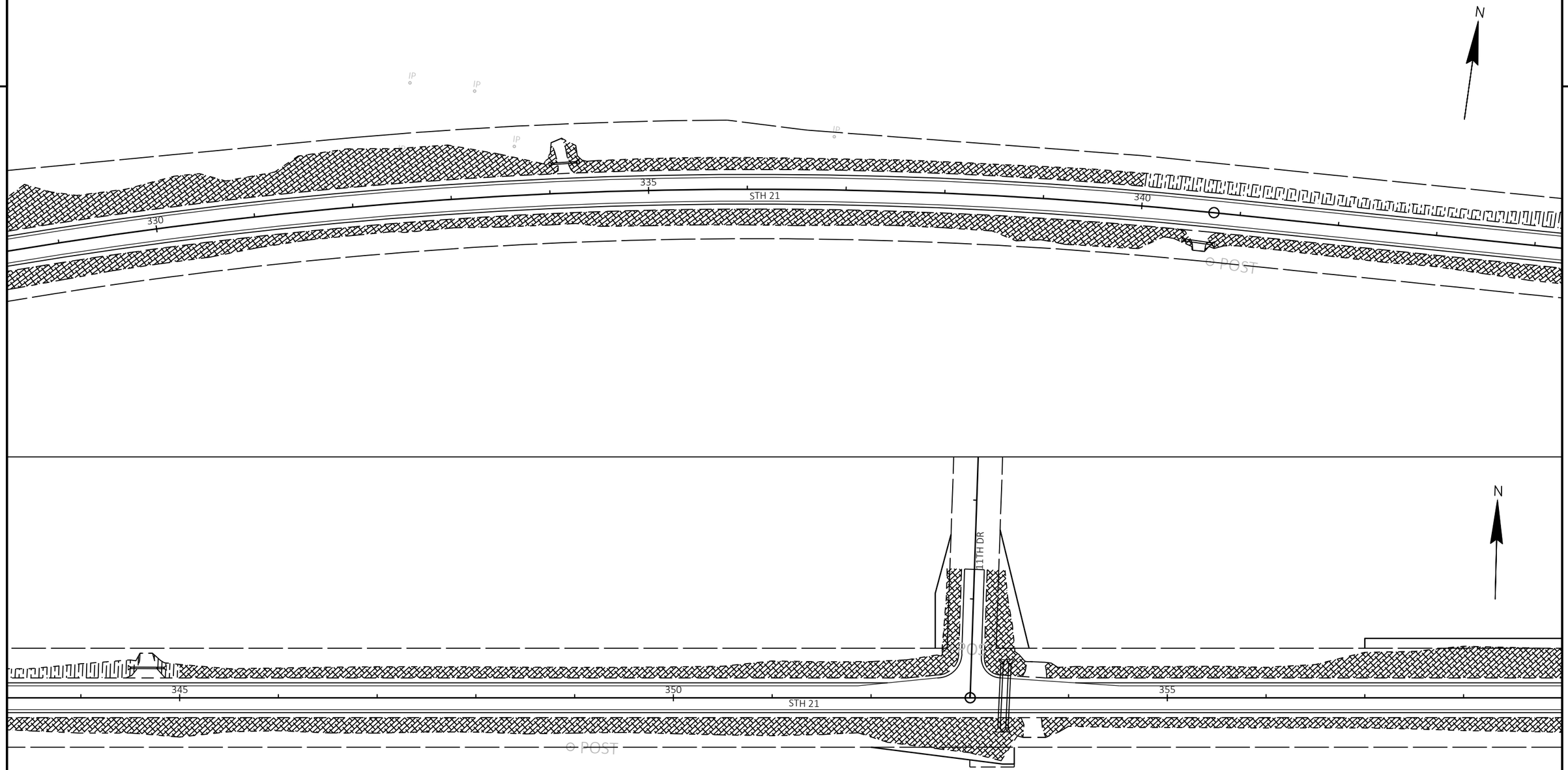
2



2

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 64	E

2



LEGEND

- SEEDING MIXTURE #20
- SEEDING MIXTURE #40
- SEEDING MIXTURE #85A
- SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 65	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (12)

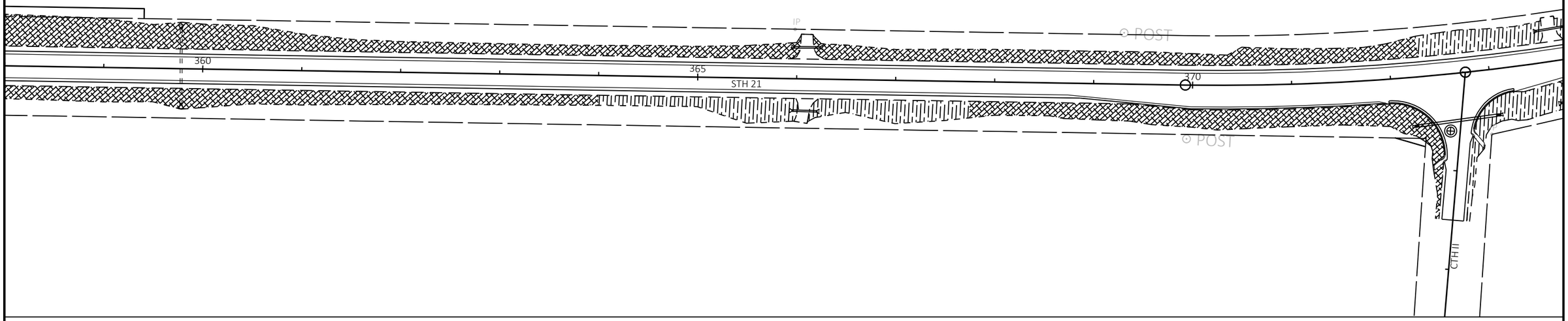
PLOT DATE : 7/14/2022 12:01 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

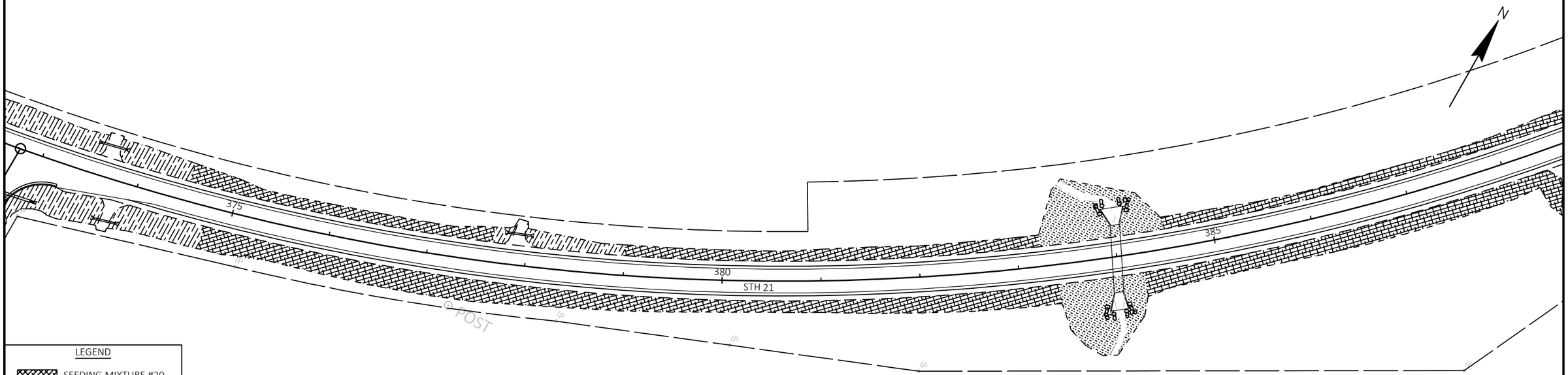
WISDOT/CADDS SHEET 42

2

2

N





LEGEND

- SEEDING MIXTURE #20
- SEEDING MIXTURE #40
- SEEDING MIXTURE #85A
- SEEDING MIXTURE #95A

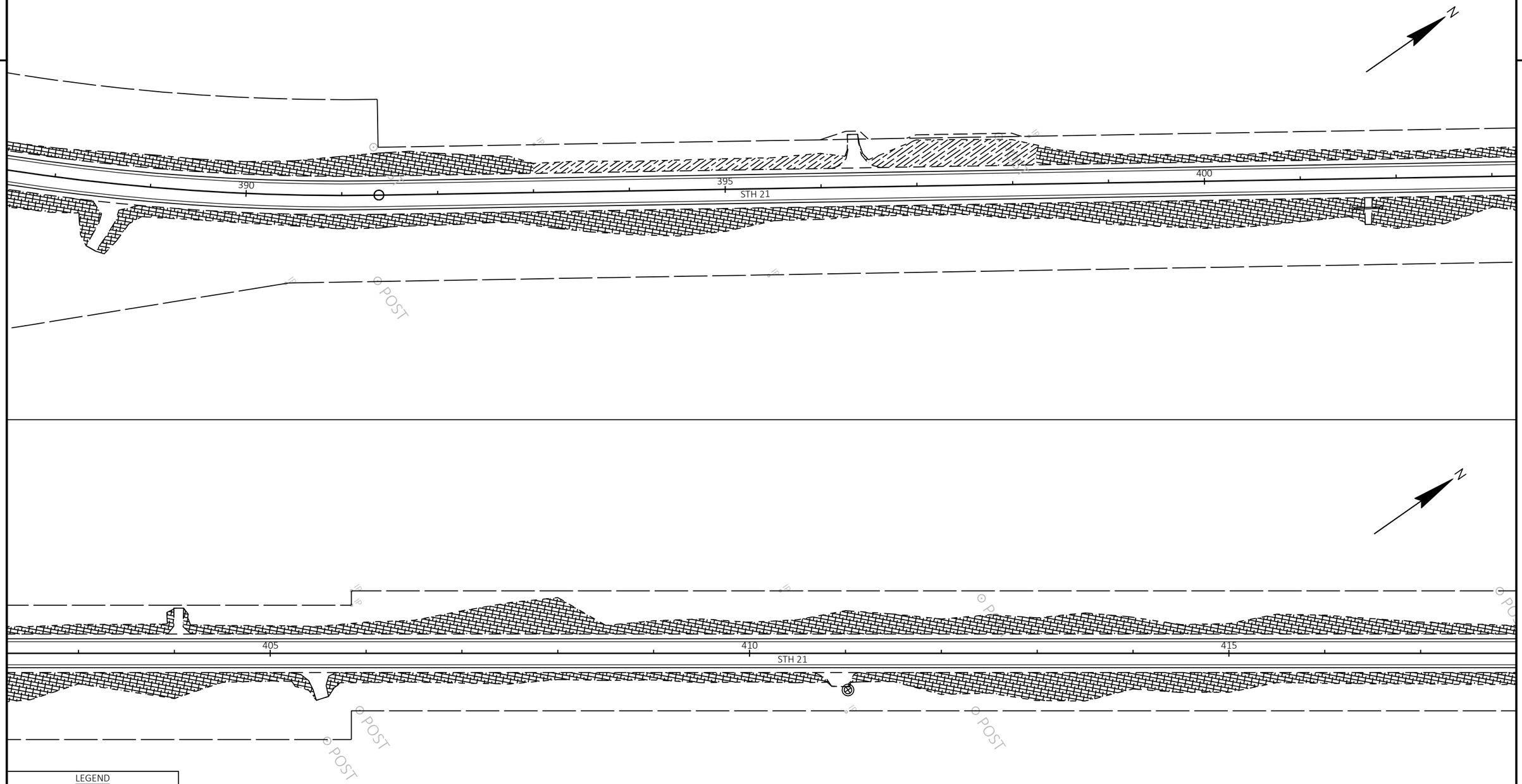
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 66	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (13)

PLOT DATE : 7/14/2022 12:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



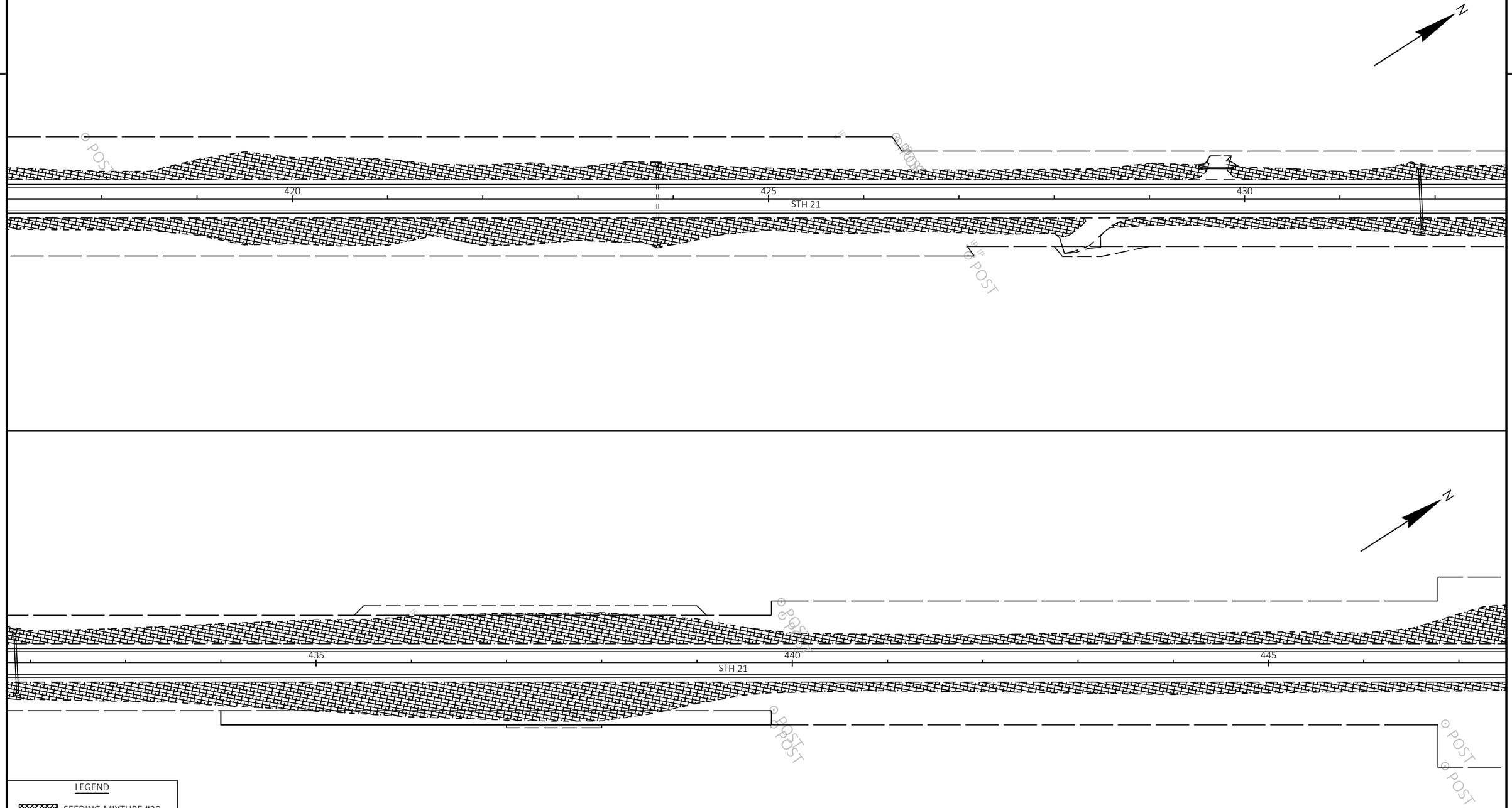
2

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 67	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (14)

PLOT DATE : 7/14/2022 12:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



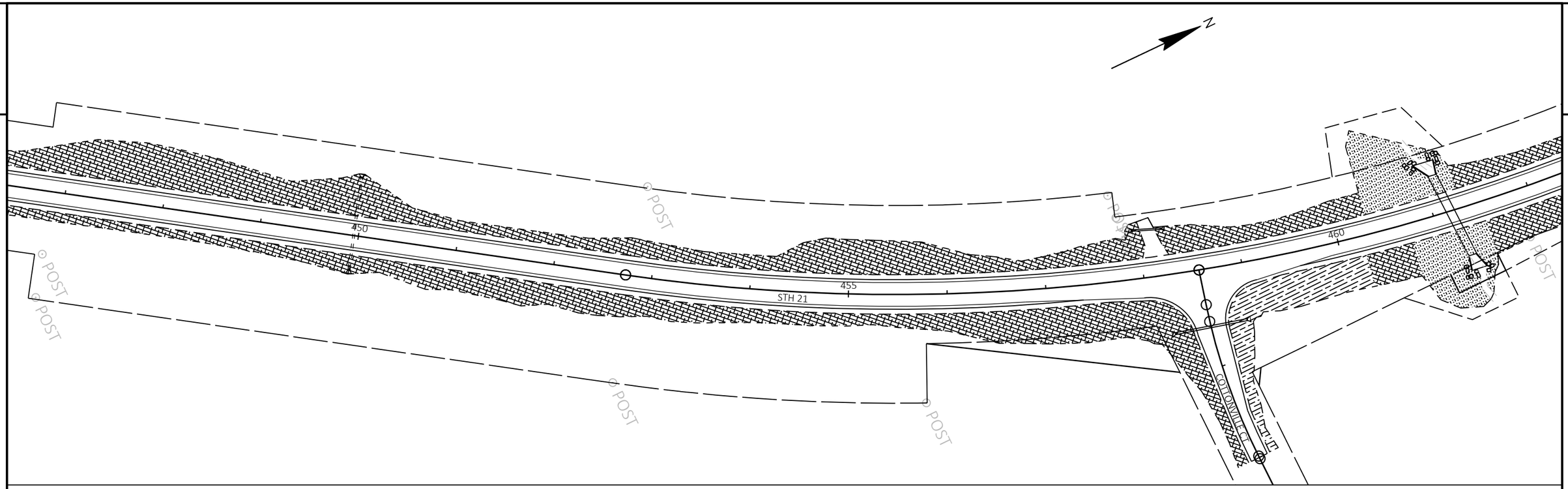
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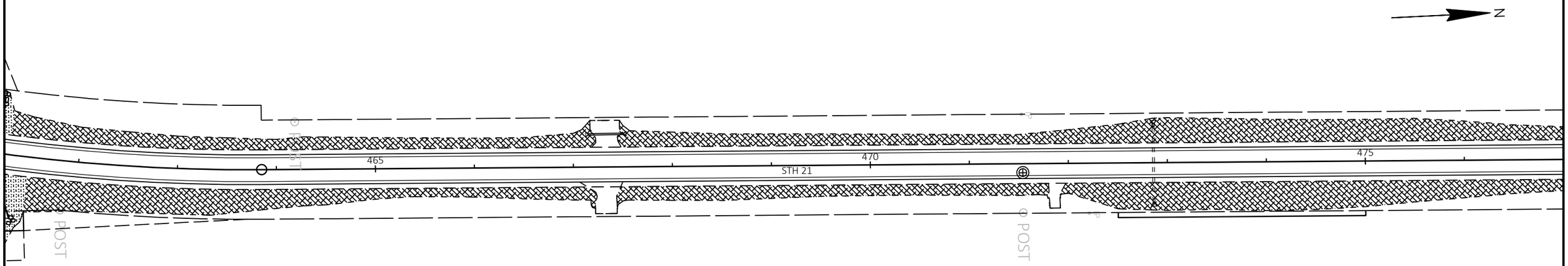
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 68	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (15)

PLOT DATE : 7/14/2022 12:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2





LEGEND

- SEEDING MIXTURE #20
- SEEDING MIXTURE #40
- SEEDING MIXTURE #85A
- SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 69	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (16)
PLOT DATE : 7/14/2022 12:02 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

480

485

490

STH 21

COTTONVILLE AVE

N

495

500

505

STH 21

LEGEND

SEEDING MIXTURE #20

SEEDING MIXTURE #40

SEEDING MIXTURE #85A

SEEDING MIXTURE #95A

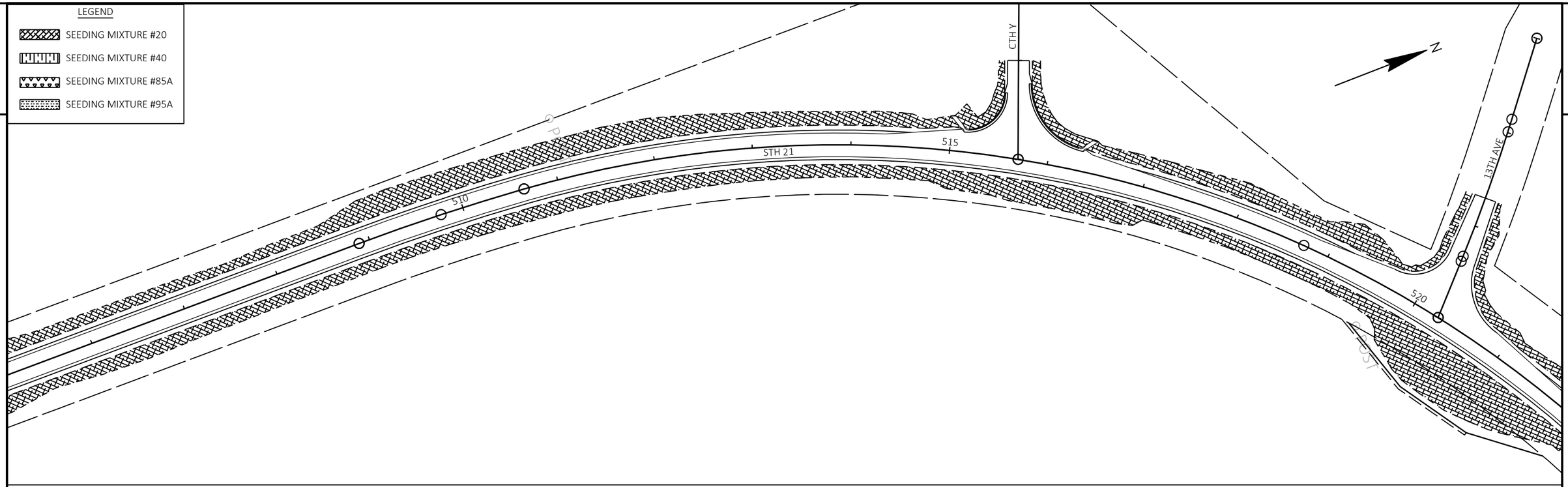
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 70	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (17)

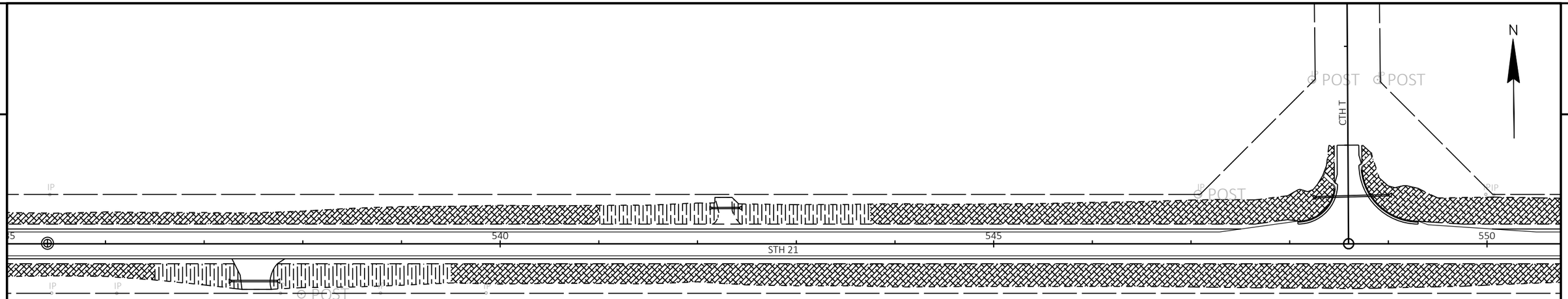
PLOT DATE : 7/14/2022 12:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

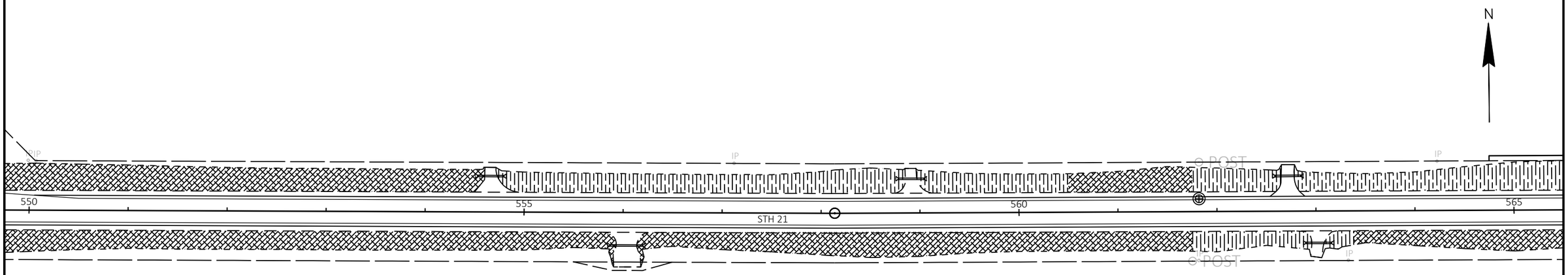
LEGEND

- SEEDING MIXTURE #20
- SEEDING MIXTURE #40
- SEEDING MIXTURE #85A
- SEEDING MIXTURE #95A



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 71	E





LEGEND

- SEEDING MIXTURE #20
- SEEDING MIXTURE #40
- SEEDING MIXTURE #85A
- SEEDING MIXTURE #95A

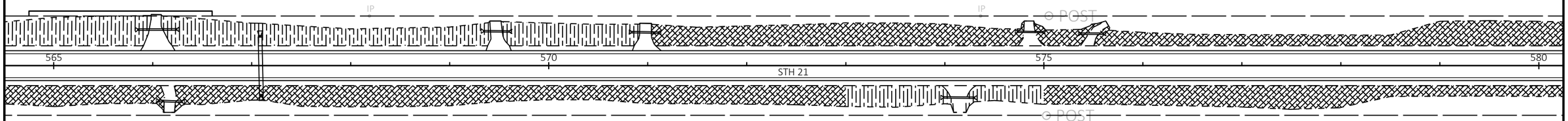
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING	SHEET 72	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (19)
PLOT DATE : 7/14/2022 12:02 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

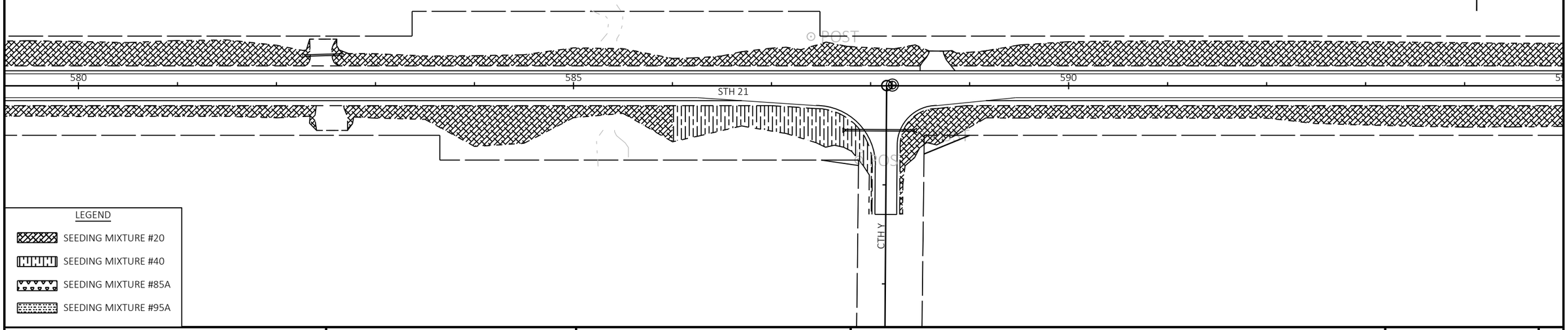
2

2

N



N



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 73	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (20)

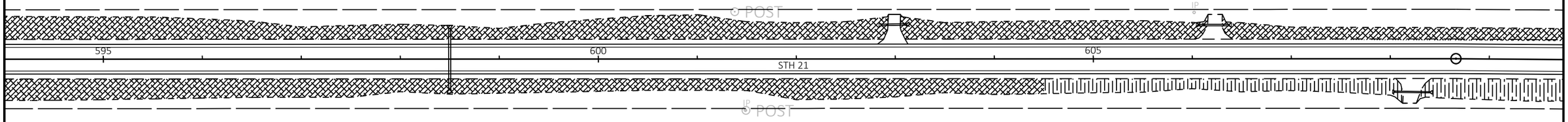
PLOT DATE : 7/14/2022 12:03 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

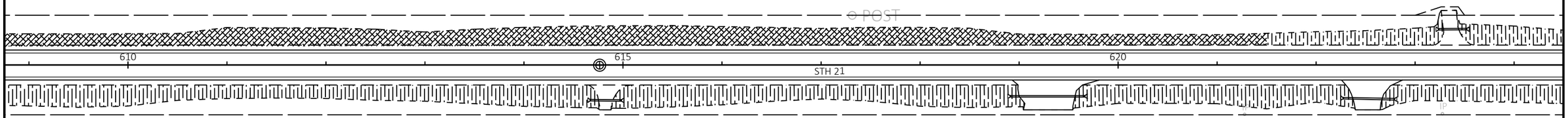
2

2

N



N



LEGEND

- SEEDING MIXTURE #20
- SEEDING MIXTURE #40
- SEEDING MIXTURE #85A
- SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 74	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (21)

PLOT DATE : 7/14/2022 12:03 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

625

630

635

STH 21

POST

N

640

645

650

STH 21

POST

POST

POST

OAKDALE CT

LEGEND

SEEDING MIXTURE #20

SEEDING MIXTURE #40

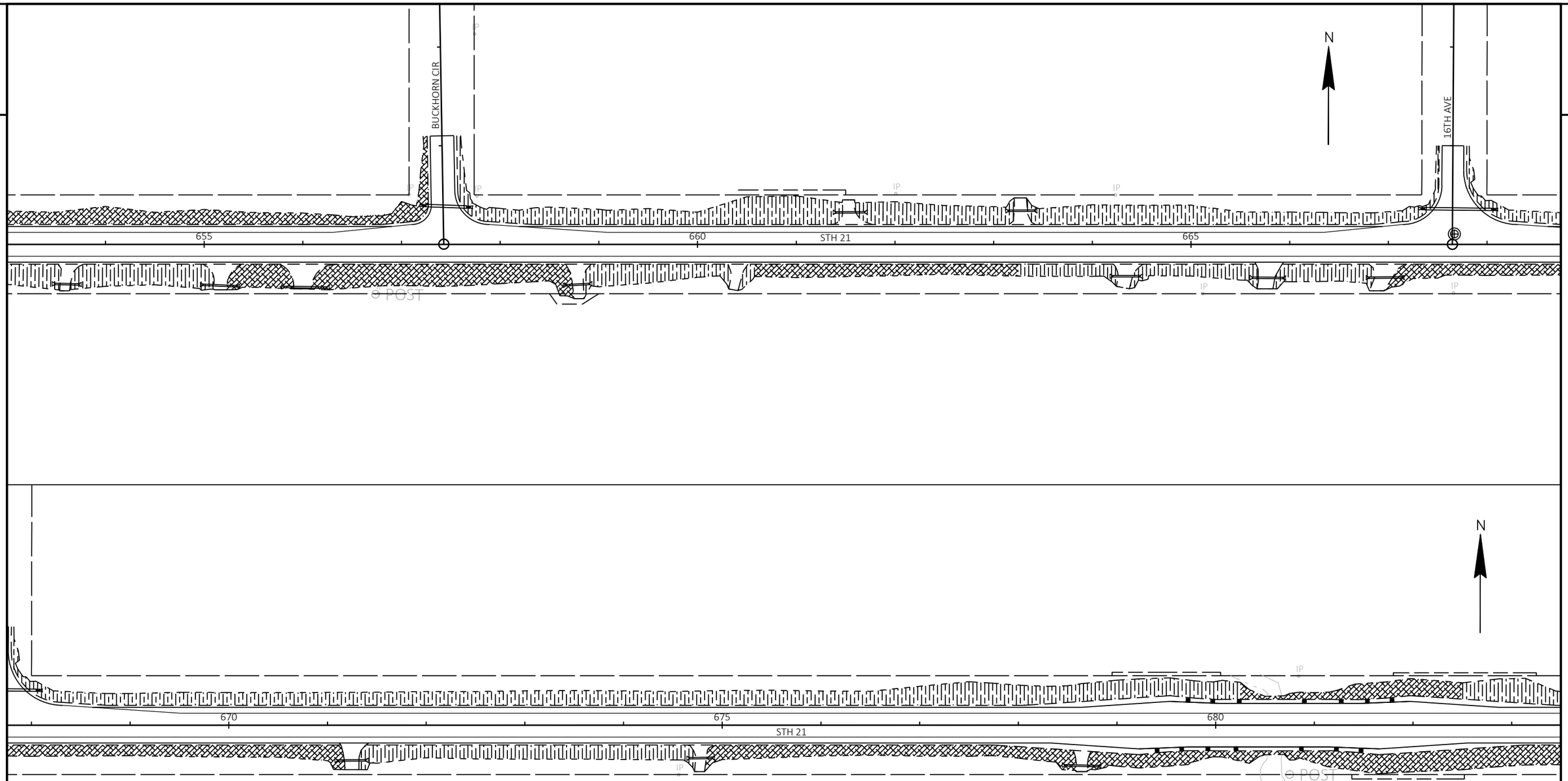
SEEDING MIXTURE #85A

SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 75	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (22)

PLOT DATE : 7/14/2022 12:03 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

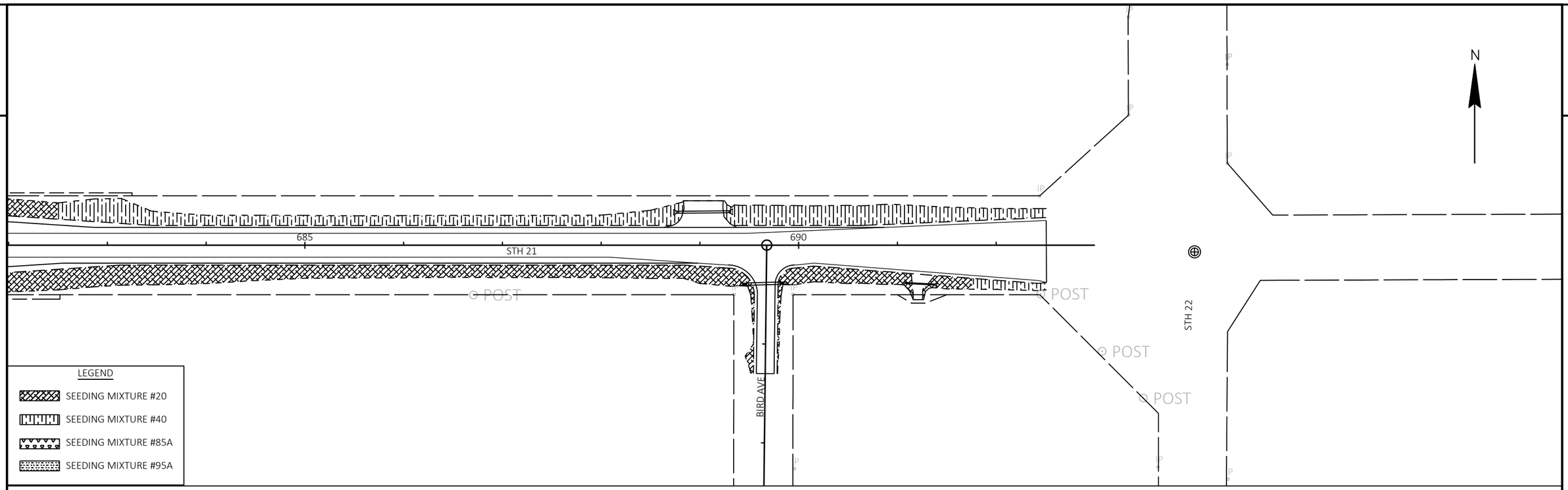


LEGEND

- SEEDING MIXTURE #20
- SEEDING MIXTURE #40
- SEEDING MIXTURE #85A
- SEEDING MIXTURE #95A

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 76	E

2

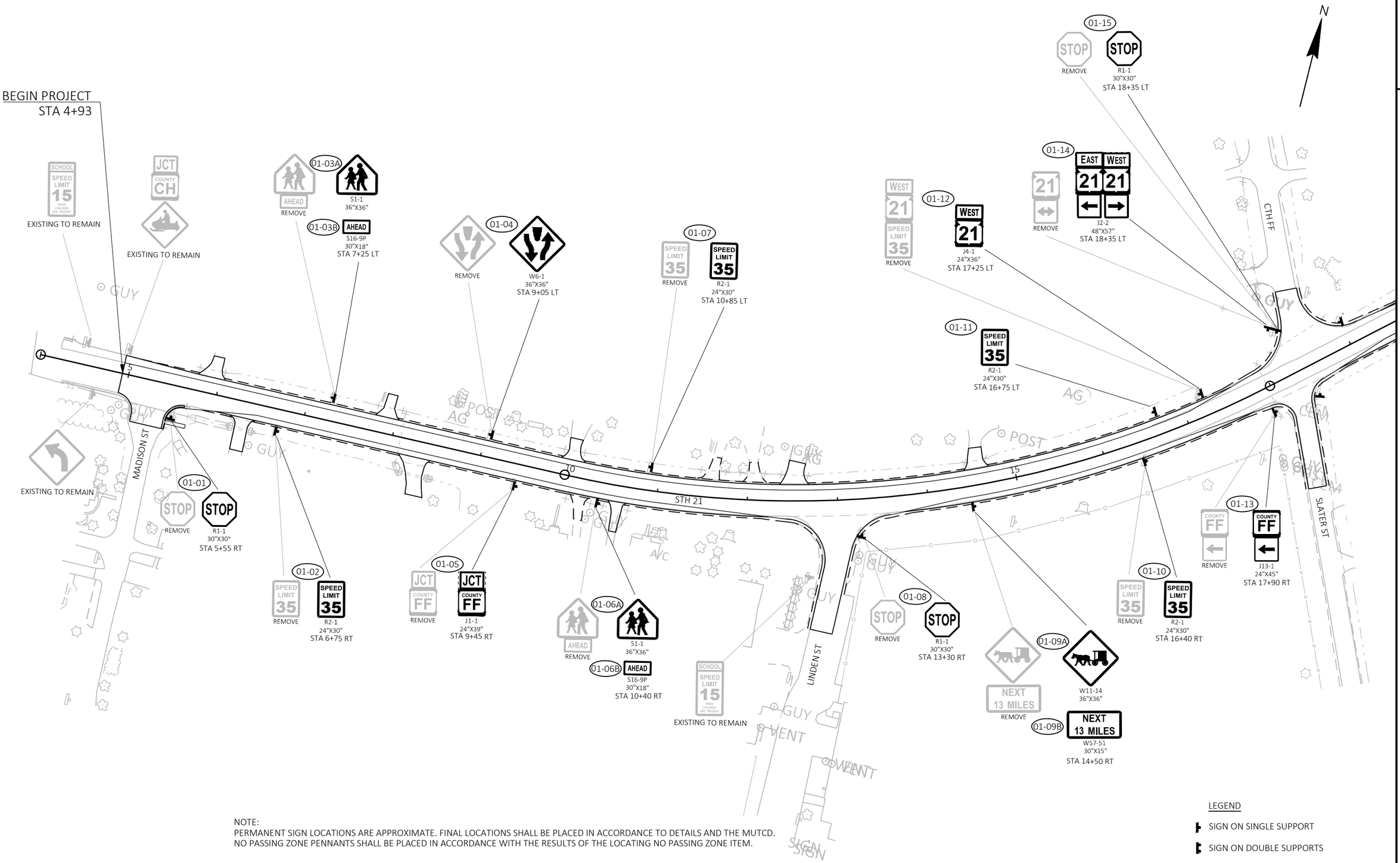


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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	LANDSCAPING PLAN	SHEET 77	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - Sheet - (24)
PLOT DATE : 7/14/2022 12:03 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



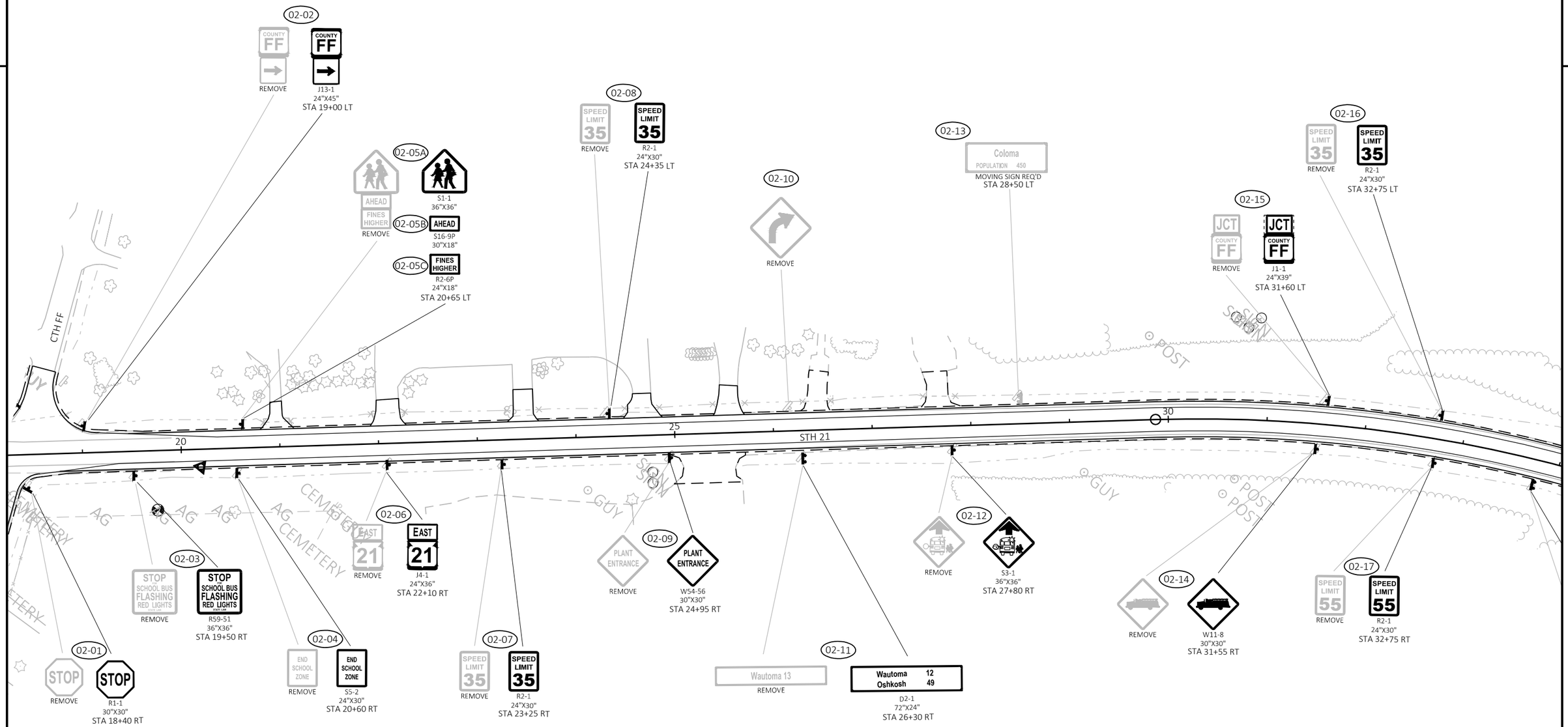
NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 78	E

2



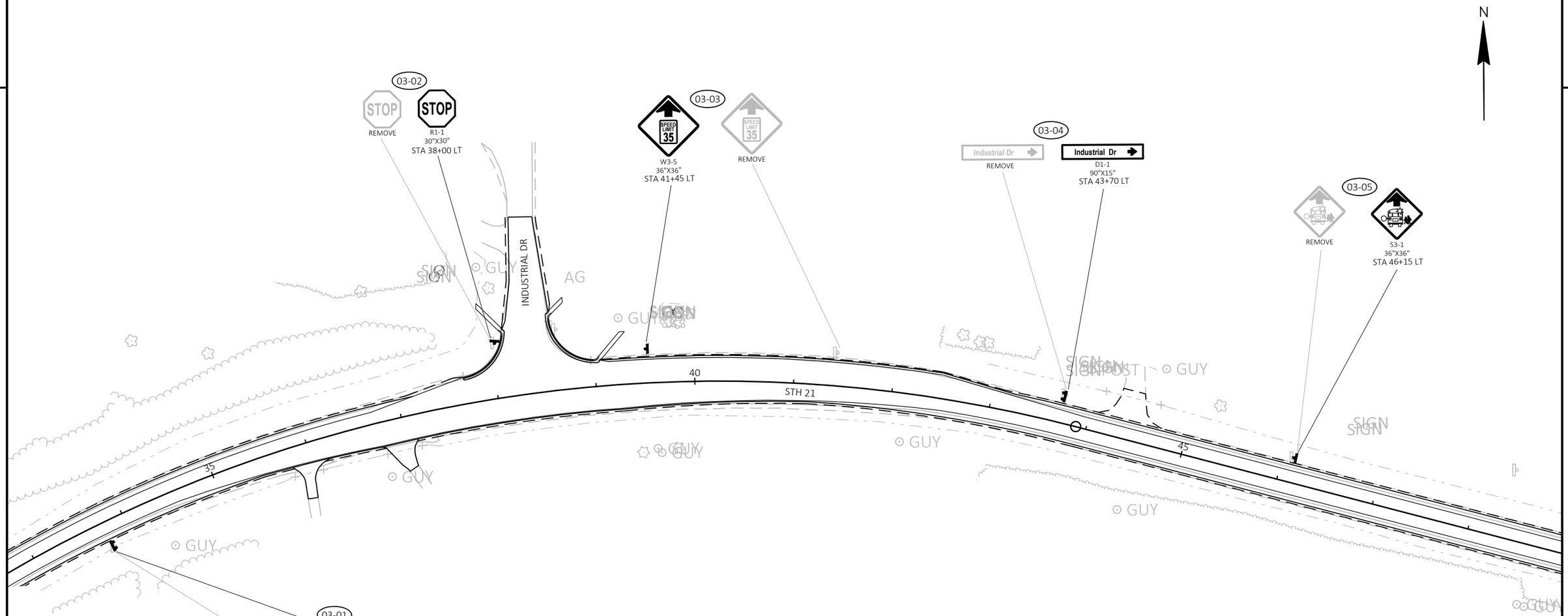
NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 79	E

2



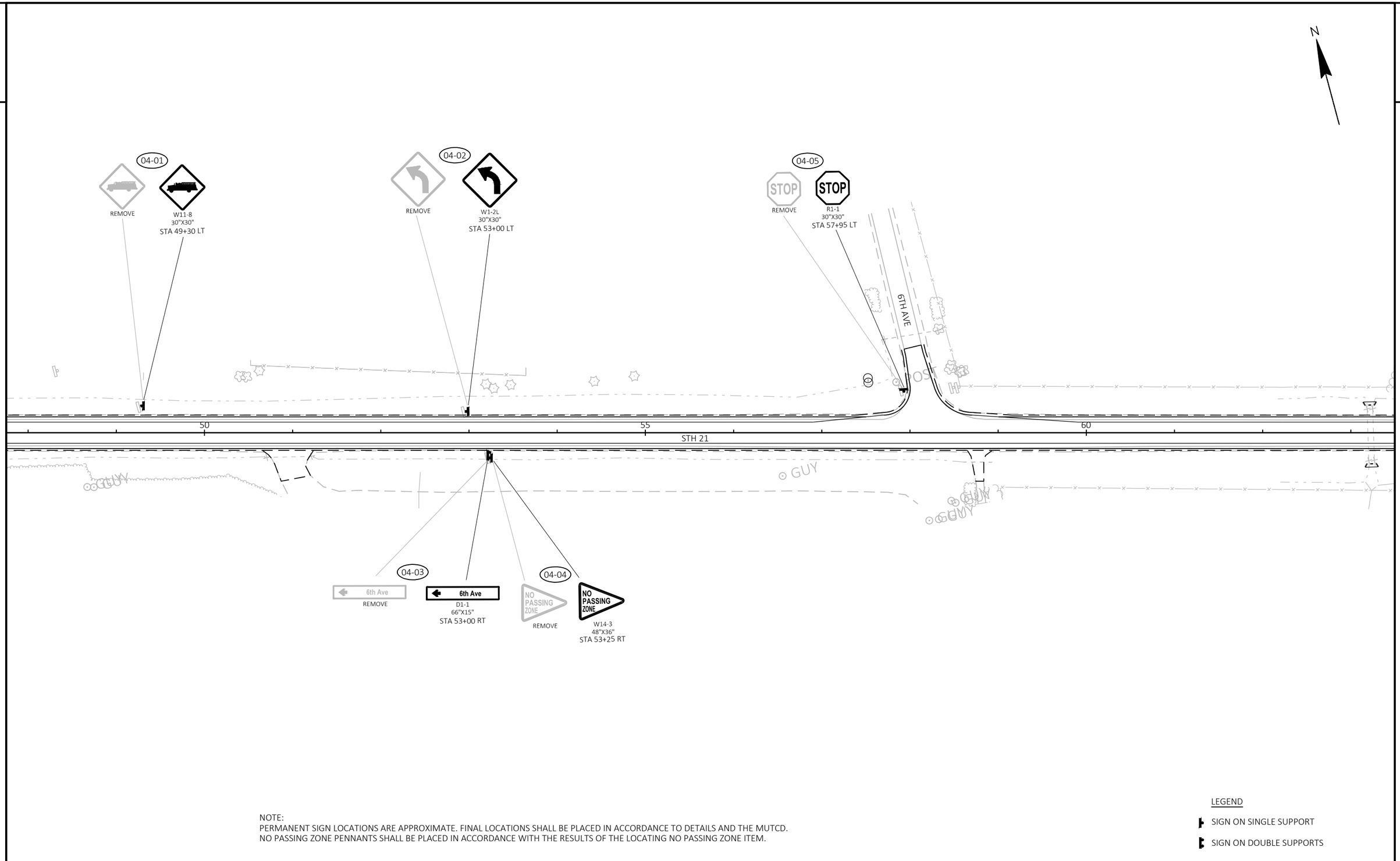
NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 80	E

2



NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

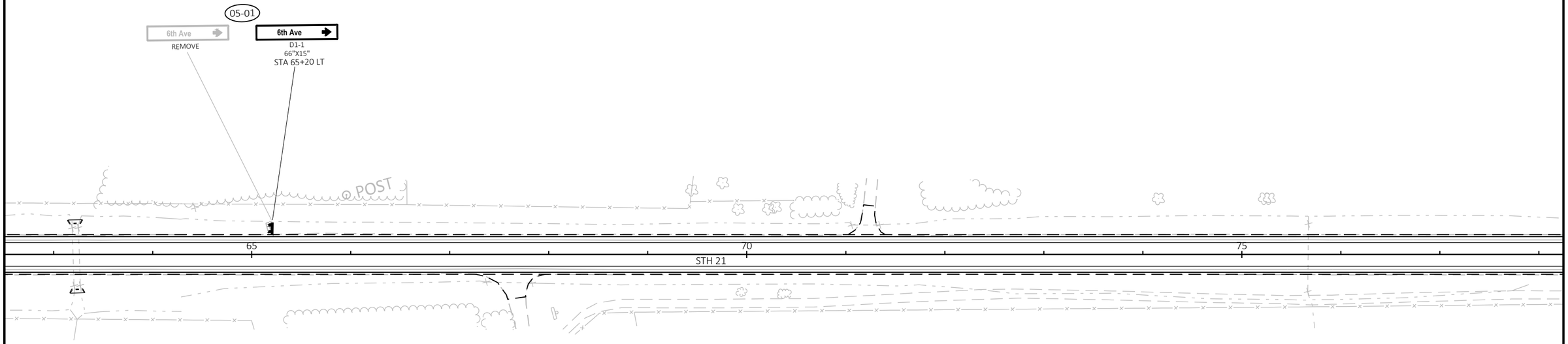
LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 81	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 04
PLOT DATE : 7/13/2022 4:26 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



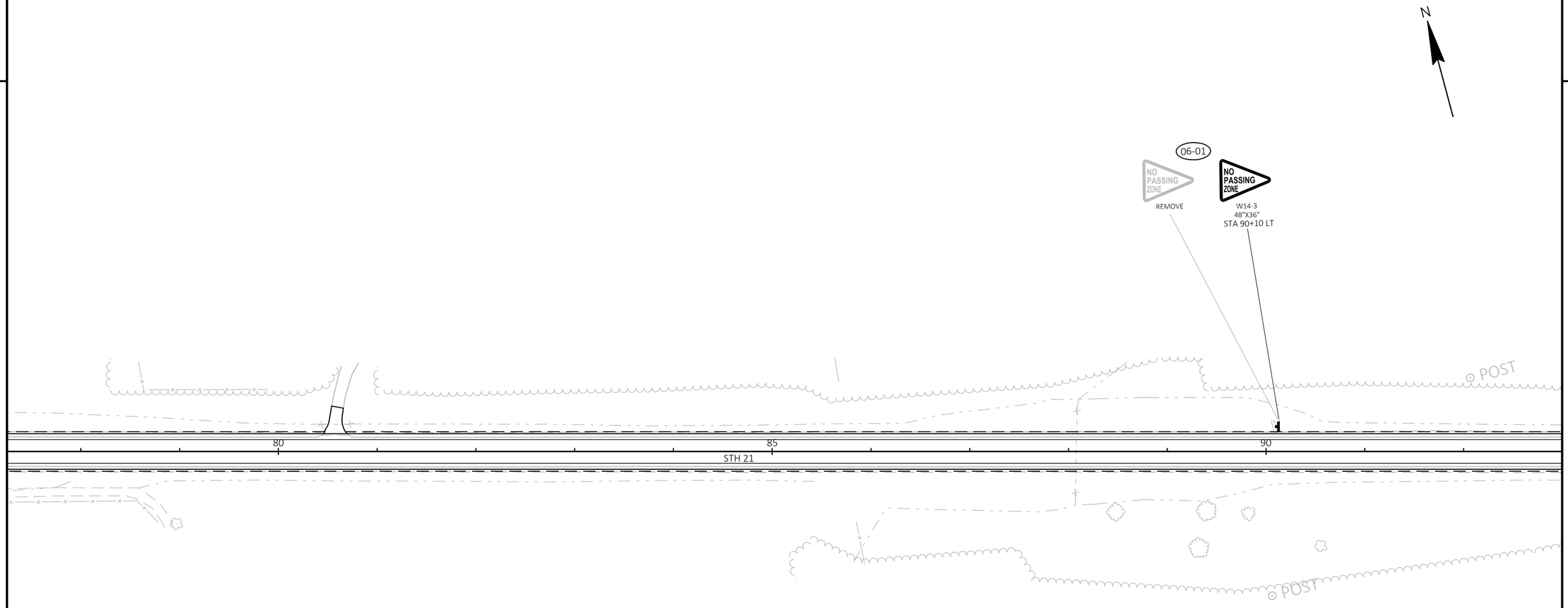
NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 82	E

2



NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 83	E

2

2

N

POST

POST

95

100

105

STH 21

POST

POST

POST

07-01

Cree Rd

REMOVE

Cree Rd

D1-1
60"X15"
STA 102+10 RT

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

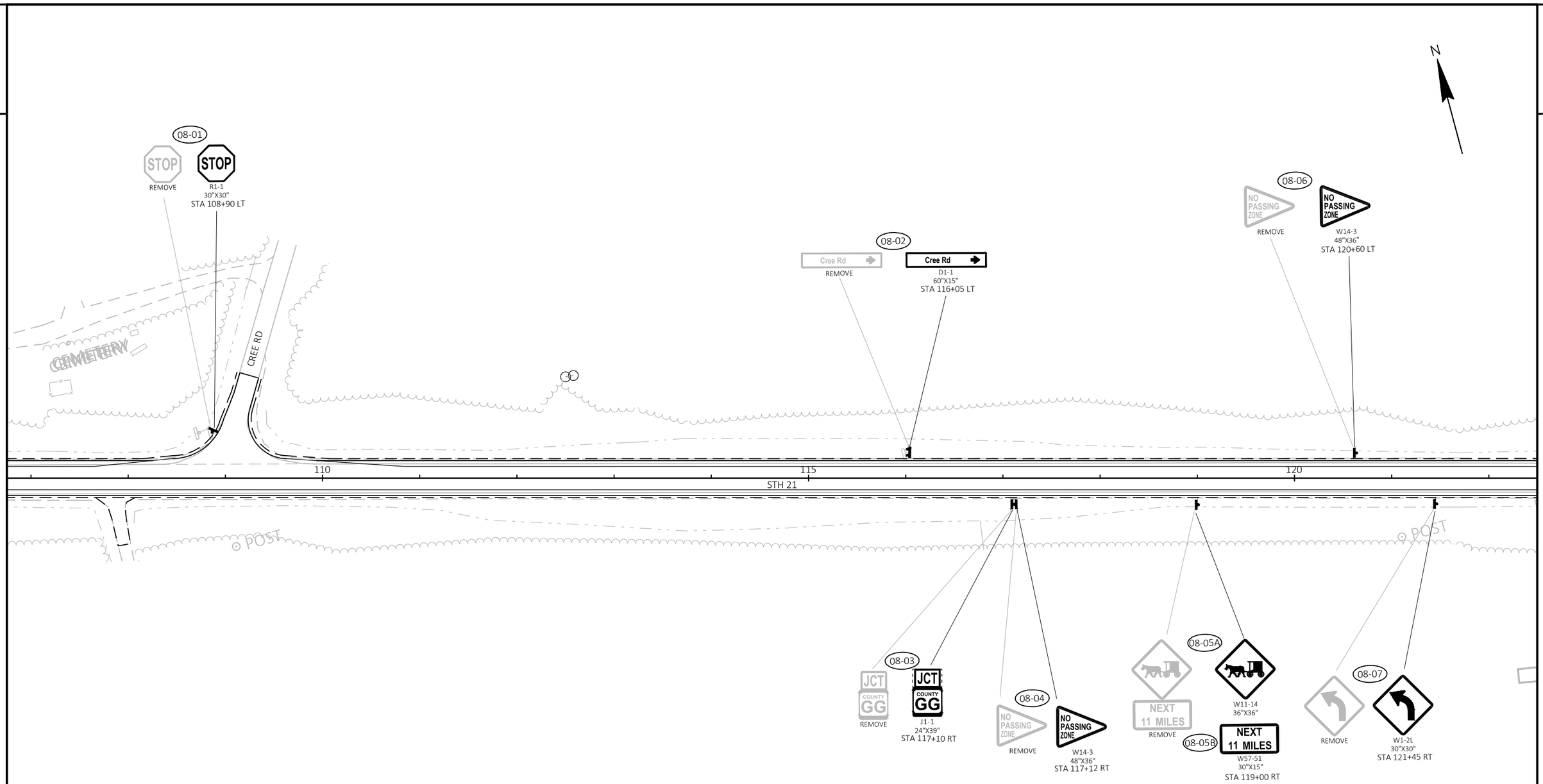
LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 84	E

2



NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 85	E

2

N

09-07
STOP
REMOVE
STOP
R1-1
30"X30"
STA 127+20 LT

09-02
WEST
21
REMOVE
WEST
21
J4-1
24"X36"
STA 124+15 LT

09-06
21
REMOVE
EAST
21
WEST
21
J2-2
48"X57"
STA 127+15 LT

09-09
COUNTY
GG
REMOVE
COUNTY
GG
J13-1
24"X45"
STA 127+80 LT

09-11A
NEXT
2 MILES
REMOVE
W11-14
36"X36"

09-11B
NEXT
2 MILES
W57-51
30"X15"
STA 132+00 LT

09-12
7th Dr
REMOVE
7th Dr
D1-1
60"X15"
STA 134+35 LT

09-13
REMOVE
W11-6
30"X30"
STA 136+40 LT

CTH GG

POST

125

130

135

STH 21

09-01
7th Dr
REMOVE
7th Dr
D1-1
60"X15"
STA 122+50 RT

09-05
COUNTY
GG
REMOVE
COUNTY
GG
J13-1
24"X45"
STA 127+05 RT

7TH DR

09-08
STOP
REMOVE
STOP
R1-1
30"X30"
STA 127+65 RT

09-10
EAST
21
REMOVE
EAST
21
J4-1
24"X36"
STA 130+55 RT

09-03A
JCT
RUSTIC ROAD
REMOVE
JCT
RUSTIC ROAD
J1-1
24"X39"

09-03B
MN6-1
21"X21"
STA 124+65 RT

09-04A
ADOPT A HIGHWAY
WI OPERATING ENGINEERS LOCAL 139
REMOVE
ADOPT A HIGHWAY
I55-56
30"X18"

09-04B
WI OPERATING ENGINEERS LOCAL 139
I55-56P
30"X18"
STA 124+65 RT

RUSTIC ROAD
EXISTING TO REMAIN

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 86	E

2

N

10-01

REMOVE

JCT COUNTY GG

J1-1
24"X39"
STA 139+70 LT

10-02

REMOVE

W1-2R
30"X30"
STA 141+25 LT

POST

POST

140

145

150

STH 21

POST

POST

POST

10-03

REMOVE

NO PASSING ZONE

W14-3
48"X36"
STA 143+55 RT

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 87	E

2

2

N

11-01

NO PASSING ZONE

REMOVE

NO PASSING ZONE

W14-3
48"X36"
STA 165+80 LT

POST POST POST POST POST POST

155 160 165

STH 21

POST AG POST SEPV POST

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 88	E

2

N

POST

POST

POST

POST

SIGN

170

175

180

STH 21

12-01

REMOVE

W1-2R
30"X30"
STA 168+25 RT

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

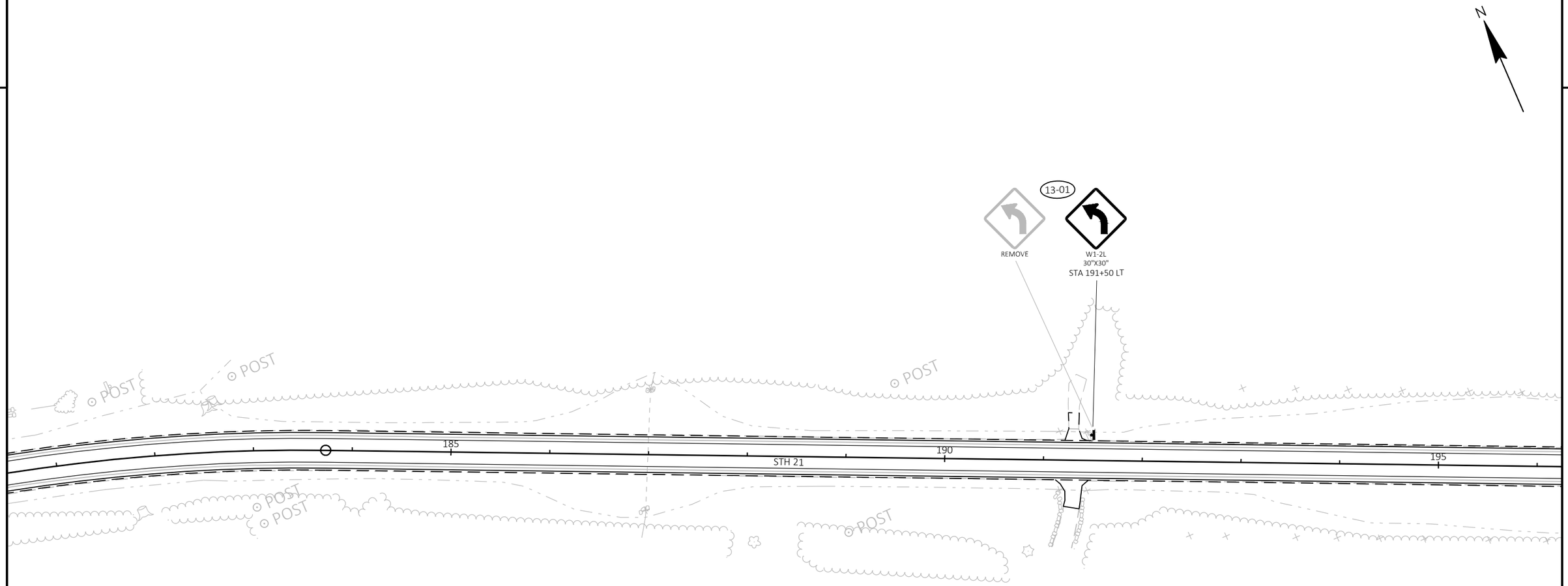
LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 89	E

2



NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

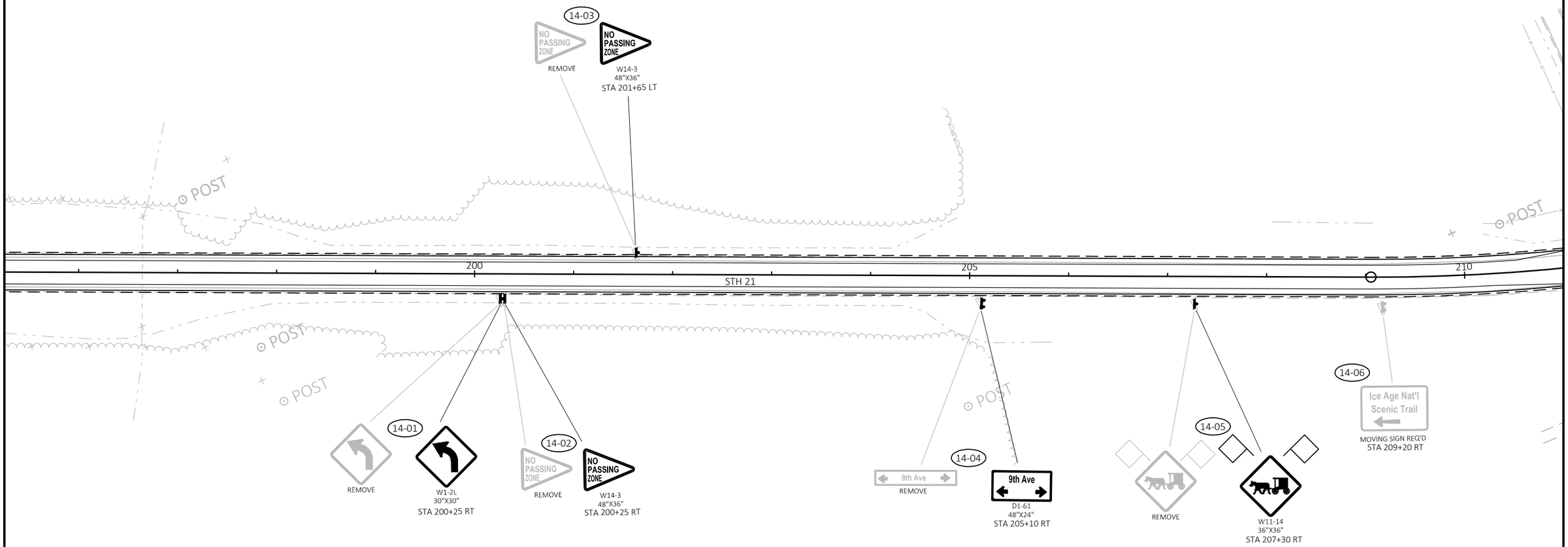
LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 90	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 13
PLOT DATE : 7/13/2022 4:28 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2



NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 91	E

2

N

15-01
STOP
REMOVE
STOP
R1-1
30"X30"
STA 211+60 LT

15-03A
JCT
RUSTIC ROAD
REMOVE
JCT
RUSTIC ROAD
J1-1
24"X39"

15-03B
MN6-1
21"X21"
STA 215+65 LT

15-05
Mecan River
I3-1
42"X24"
STA 216+75 LT

15-06
Ice Age Nat'l Scenic Trail
MOVING SIGN REQ'D
STA 217+05 LT

9th Ave
REMOVE

15-07
9th Ave
D1-61
48"X24"
STA 218+85 LT

9TH AVE

POST

POST

210

215

220

225

STH 21

9TH AVE

15-02
STOP
REMOVE
STOP
R1-1
30"X30"
STA 212+25 RT

15-04
Mecan River
REMOVE
Mecan River
I3-1
42"X24"
STA 216+45 RT

FOOD
Johann's Bar & Grille

LODGING
Mecan River Inn

MOVE BY OTHERS
STA 224+80 RT

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
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LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 92	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/13/2022 4:28 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

16-01
REMOVE
W1-2R
30"X30"
STA 225+60 LT

16-06
WEST 21
REMOVE
WEST 21
J4-1
24"X36"
STA 235+30 LT

16-09
STOP
REMOVE
STOP
R1-1
30"X30"
STA 228+30 LT

16-08
21
REMOVE
EAST WEST 21 21
J2-2
48"X57"
STA 228+30 LT

16-14
COUNTY B
COUNTY B
J13-1
24"X45"
STA 238+80 LT

CTH B

POST
POST
POST
POST
WELL
WELL
SIGN

225
230
235
240

STH 21

16-02
JCT COUNTY B
JCT COUNTY B
REMOVE
J1-1
24"X39"
STA 226+60 RT

16-03
45 MPH
REMOVE
STA 228+75 RT

16-04
Richford
REMOVE
Richford
D1-1
66"X15"
STA 232+50 RT

16-05A
NEXT 9 MILES
REMOVE
W11-14
36"X36"

16-05B
NEXT 9 MILES
W57-51
30"X15"
STA 234+50 RT

16-07
COUNTY B
COUNTY B
J13-1
24"X45"
STA 237+65 RT

16-10
WAUSHARA COUNTY SPONSOR
MOVING SIGN REQ'D
STA 8+75"l" LT

16-11
RICHFORD UNINCORPORATED
SPEED LIMIT 25
MOVING SIGN REQ'D
STA 7+40"l" LT

16-13
21
REMOVE
WEST EAST 21 21
J2-2
48"X57"
STA 238+50 RT

16-12
STOP
REMOVE
STOP
R1-1
30"X30"
STA 238+50 RT

POST
POST
POST
POST
POST

CTH B

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

NOTE:
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NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 93	E

2

N

17-02A
ADOPT A HIGHWAY
WI OPERATING ENGINEERS LOCAL 139
REMOVE

17-02B
WI OPERATING ENGINEERS LOCAL 139
I55-56
30"X18"
I55-56P
30"X18"
STA 241+40 LT

17-04
Richford
REMOVE
Richford
D1-1
66"X15"
STA 252+20 LT

NEXT
4 MILES
REMOVE

17-05A
W11-14
36"X36"

17-05B
NEXT
4 MILES
W57-51
30"X15"
STA 244+00 LT

17-06
JCT
COUNTY
B
REMOVE
JCT
COUNTY
B
J1-1
24"X39"
STA 248+20 LT

FOOD
Johann's
Bar & Grille
LODGING
Mecan
River Inn
MOVE BY OTHERS
STA 252+15 LT

SEPV
SEPV
SIGN
SIGN
SIGN
POST

240
245
250
255
STH 21

POST
POST

17-01
EAST
21
REMOVE
EAST
21
J4-1
24"X36"
STA 241+35 RT

17-03
NO PASSING ZONE
REMOVE
NO PASSING ZONE
W14-3
48"X36"
STA 243+15 RT

NOTE:
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NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 94	E

2

2

N

POST

SIGN

255

260

265

STH 21

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 95	E

2

2

N

GUY

SIGN

270

275

280

STH 21

GUY

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
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LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 96	E

2

N

20-01

NO PASSING ZONE

REMOVE

NO PASSING ZONE

W14-3
48"X36"
STA 288+60 LT

GUY

285

290

295

STH 21

POST

20-02

REMOVE

W1-2L
30"X30"
STA 290+20 RT

NOTE:
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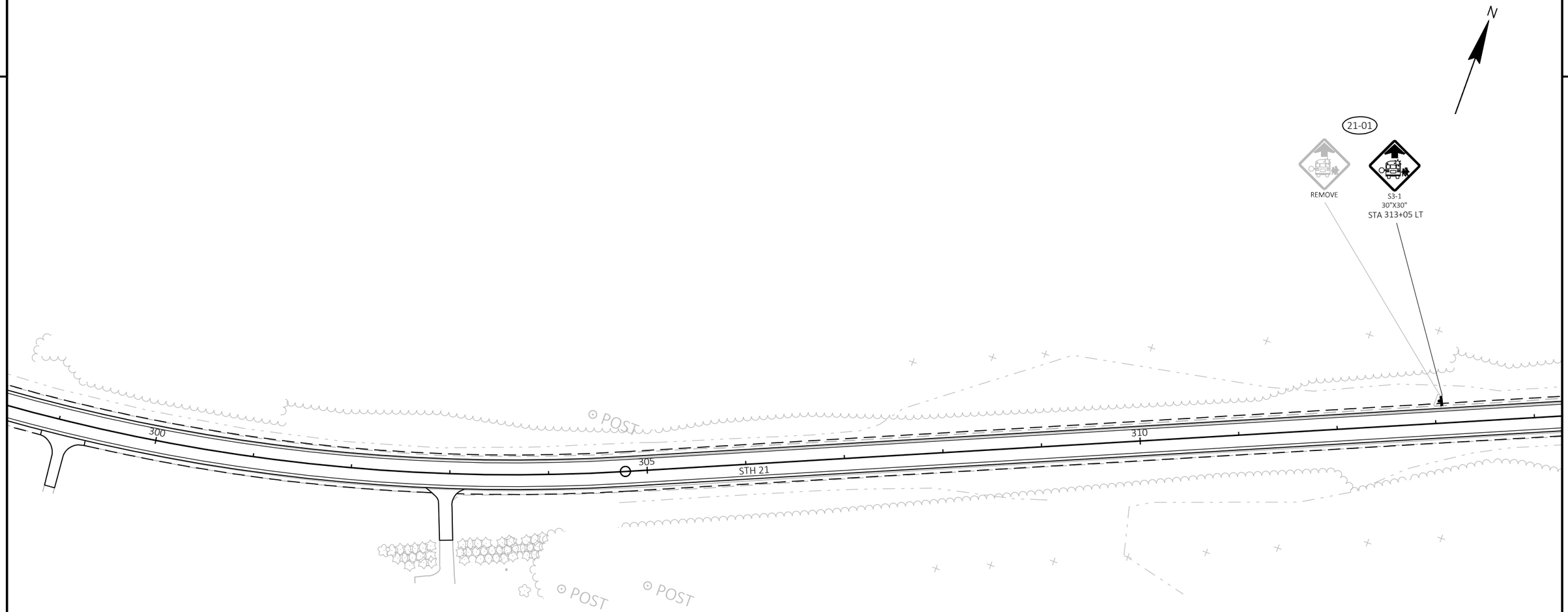
LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 97	E

2



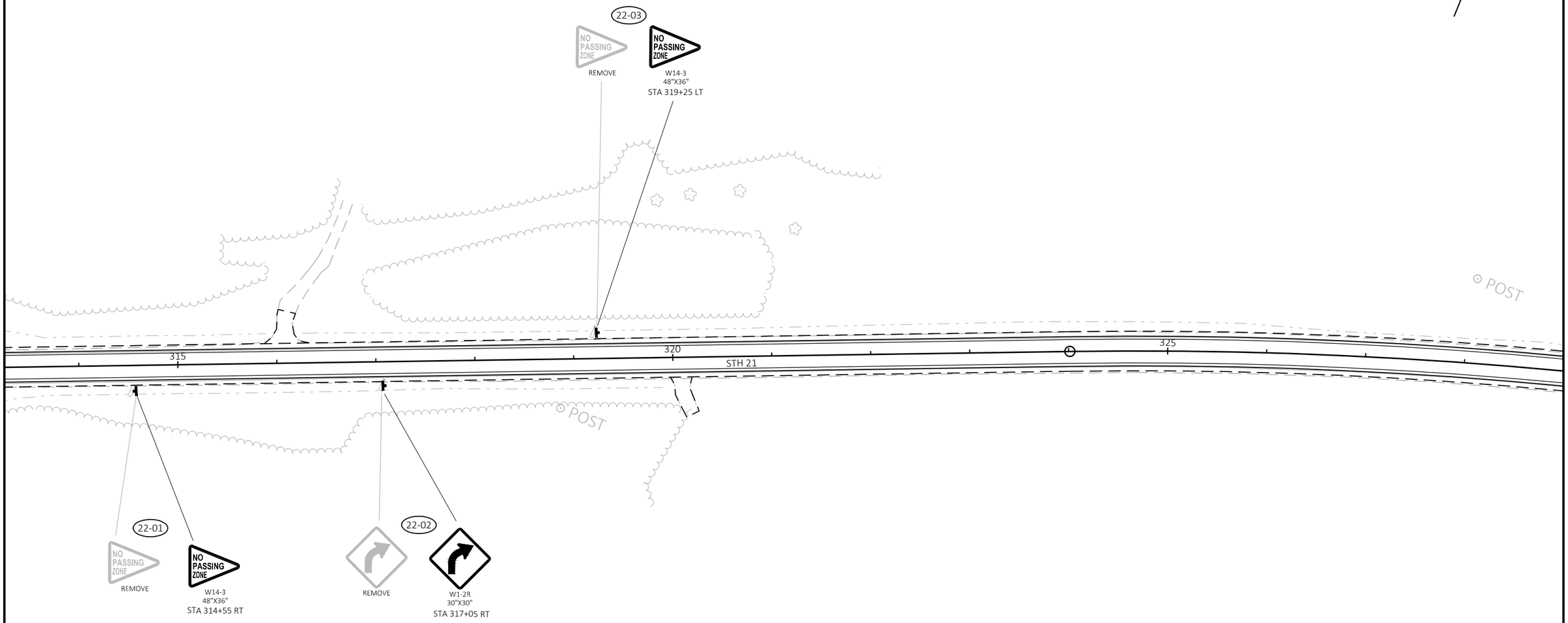
NOTE:
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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 98	E

2



NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

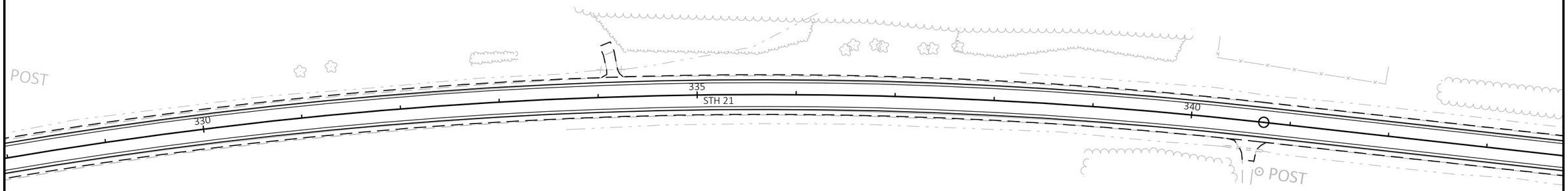
LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 99	E

2

N



NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 100	E

2

N

24-03

REMOVE

W1-2L
30"X30"
STA 348+55 LT

24-04

STOP
REMOVE

STOP
R1-1
30"X30"
STA 352+80 LT

11TH DR

POST

345 350 355

STH 21

POST

24-01

NO PASSING ZONE
REMOVE

NO PASSING ZONE
W14-3
48"X36"
STA 345+20 RT

24-02

11th Dr
REMOVE

11th Dr
D1-1
60"X15"
STA 348+05 RT

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 101	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 24
PLOT DATE : 7/13/2022 4:29 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

25-02
11th Dr
REMOVE
11th Dr
D1-1
60"X15"
STA 360+00 LT

25-04
NO PASSING ZONE
REMOVE
NO PASSING ZONE
W14-3
48"X36"
STA 363+70 LT

25-05
SPEED LIMIT 55
REMOVE
SPEED LIMIT 55
R2-1
24"X30"
STA 366+75 LT

25-07
WEST 21
REMOVE
WEST 21
J4-1
24"X36"
STA 368+65 LT

POST

360

365

370

STH 21

25-01
JCT
COUNTY
REMOVE
JCT
COUNTY
J1-1
24"X39"
STA 359+15 RT

25-03
REMOVE
W1-2L
30"X30"
STA 362+50 RT

25-06A
NEXT 6 MILES
REMOVE
W11-14
36"X36"

25-06B
NEXT 6 MILES
W57-51
30"X15"
STA 368+00 RT

POST

25-08
COUNTY
REMOVE
COUNTY
J13-1
24"X45"
STA 372+20 RT

CTH II

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

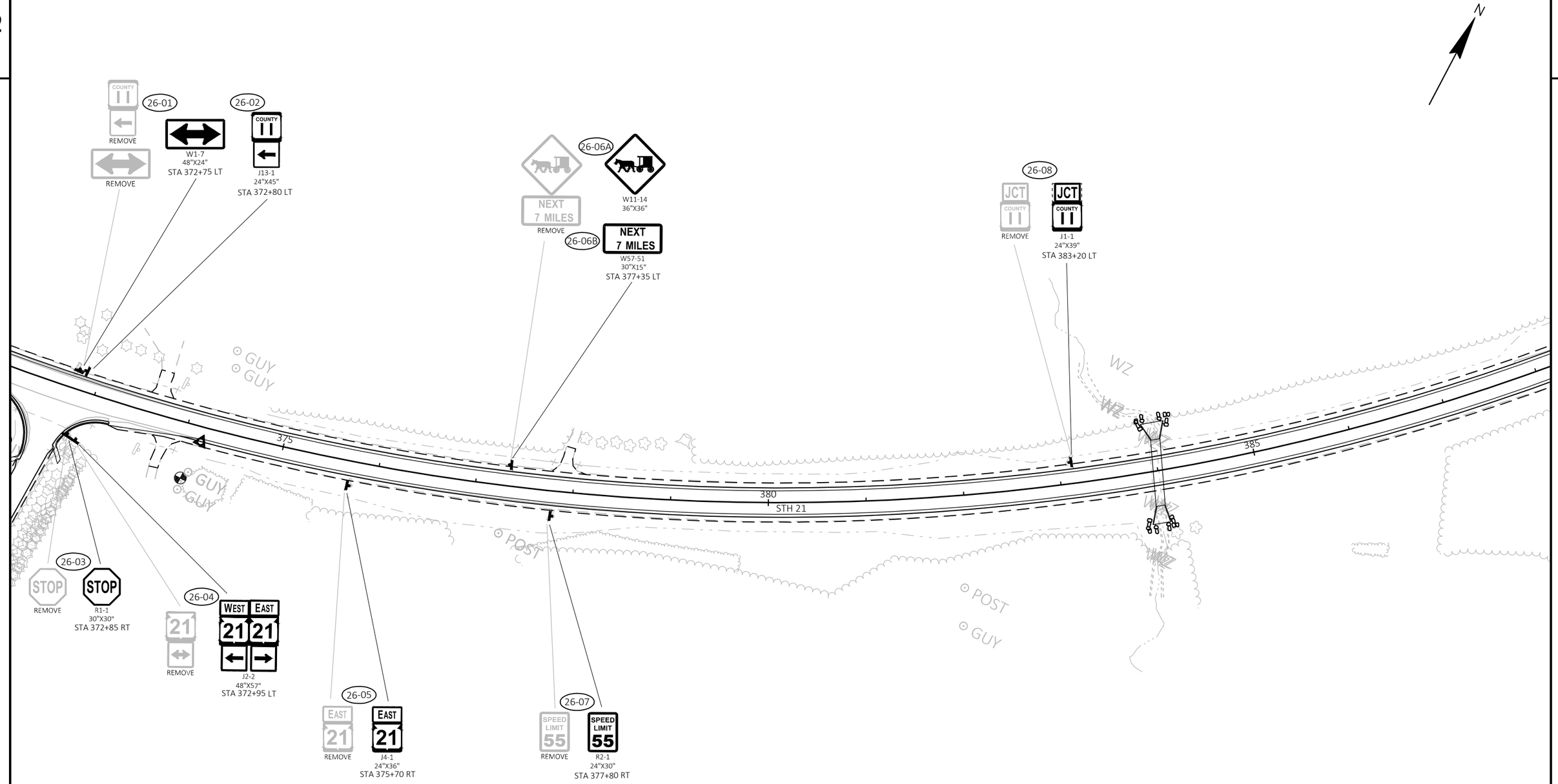
LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 102	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 25
PLOT DATE : 7/13/2022 4:29 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

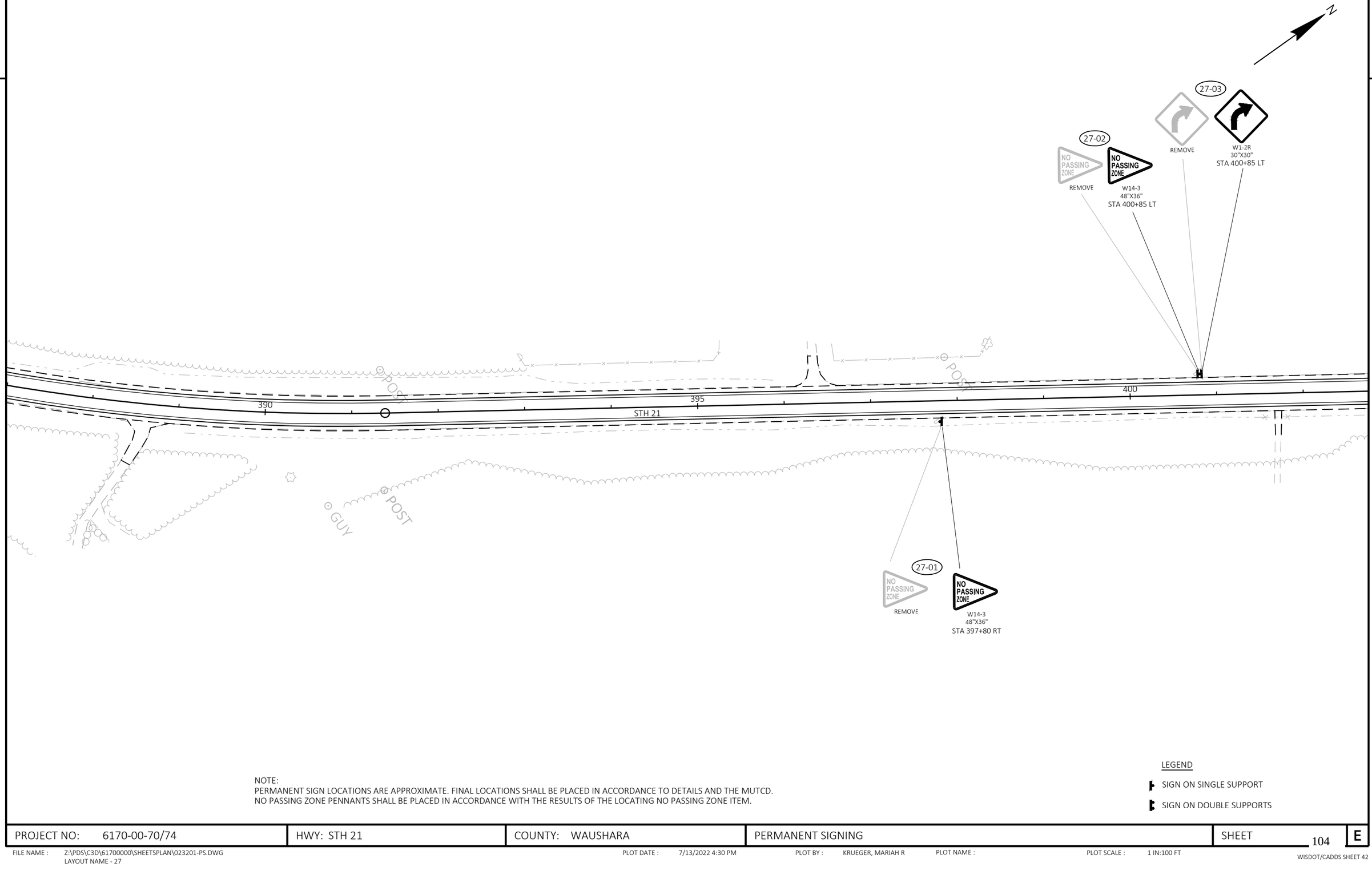
LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 103	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 26
PLOT DATE : 7/13/2022 4:30 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2



NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 104	E

2

2

N

GUY

POST

405

410

415

STH 21

GUY

POST

POST

POST

NOTE:
PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.
NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

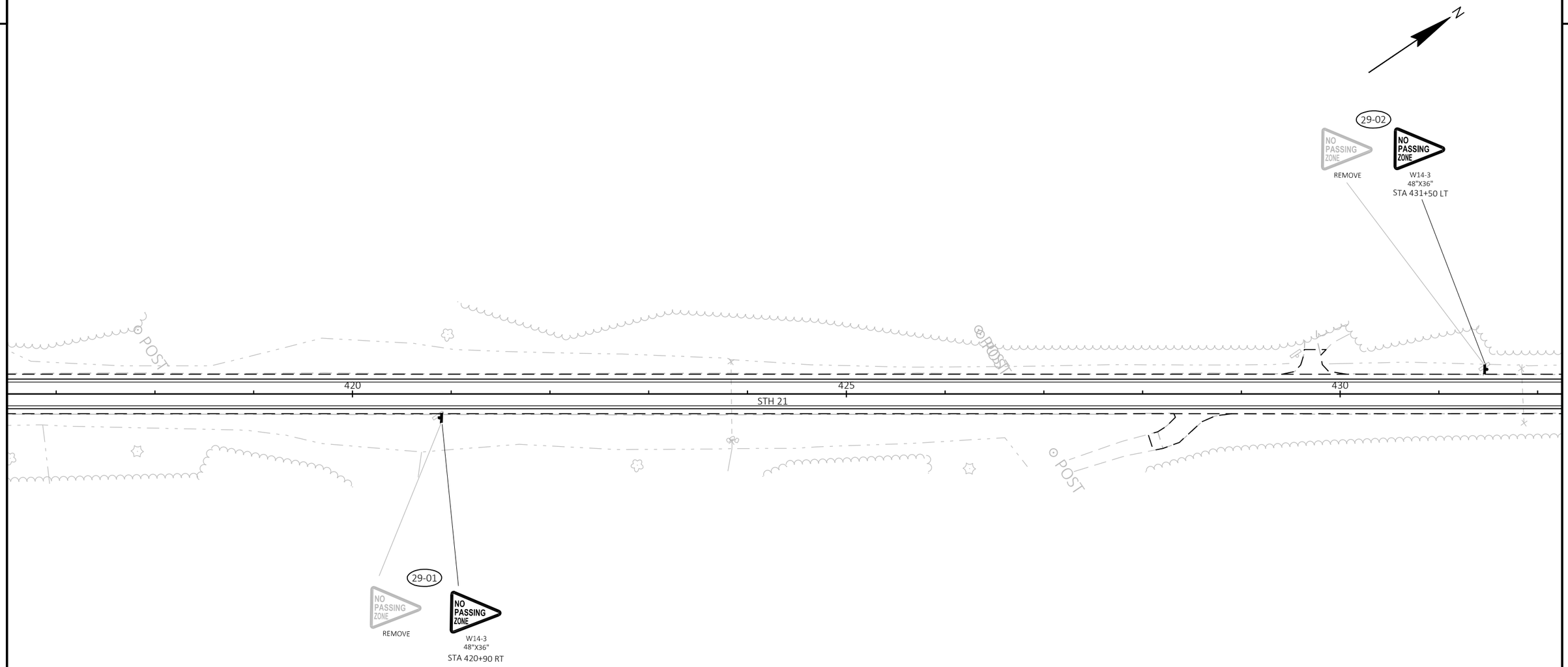
SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 105	E

2

2



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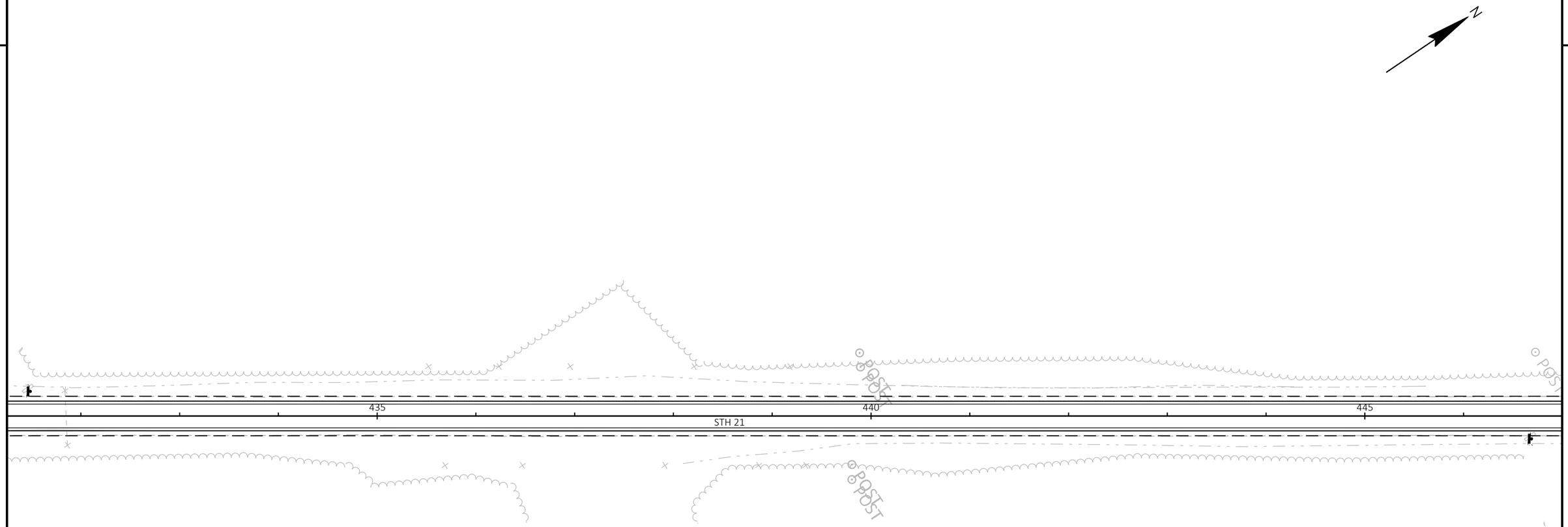
LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 106	E

2

2



NOTE:
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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 107	E

2

N

POST

450

455

460

STH 21

COTTONVILLE CT

31-01

REMOVE

W1-2L
30"X30"
STA 446+65 RT

31-02

REMOVE
STA 452+30 RT

31-03

Cottonville Ct

REMOVE

Cottonville Ct

D1-1
96"X15"
STA 453+70 RT

31-04

STOP

REMOVE

STOP

R1-1
30"X30"
STA 458+35 RT

31-05

STOP

REMOVE

STOP

R1-1
30"X30"
STA 458+80 RT

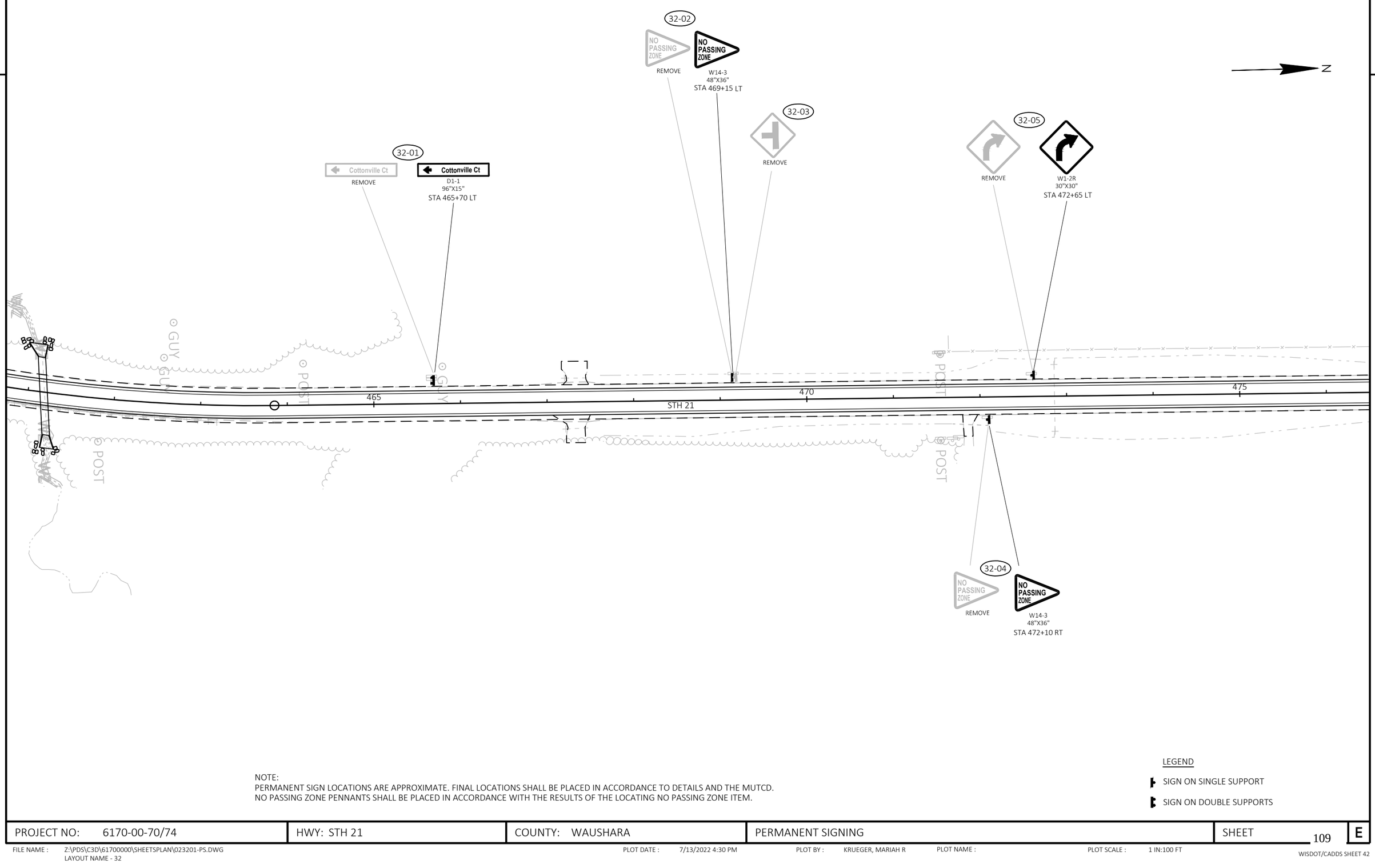
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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 108	E

2



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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 109	E

2

N

480 485 490

STH 21

33-01

NO PASSING ZONE

REMOVE

NO PASSING ZONE

W14-3
48"X36"

STA 487+55 RT

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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 110	E

2

N

34-02

STOP

REMOVE

STOP

R1-1
30"X30"
STA 497+70 LT

COTTONVILLE AVE

34-04

NO PASSING ZONE

REMOVE

NO PASSING ZONE

W14-3
48"X36"
STA 501+45 LT

34-05

Cottonville Ave

REMOVE

Cottonville Ave

D1-1
102"X15"
STA 505+20 LT

495

500

505

STH 21

34-01

Cottonville Ave

REMOVE

Cottonville Ave

D1-1
102"X15"
STA 490+95 RT

34-03

REMOVE

W1-2R
30"X30"
STA 500+45 RT

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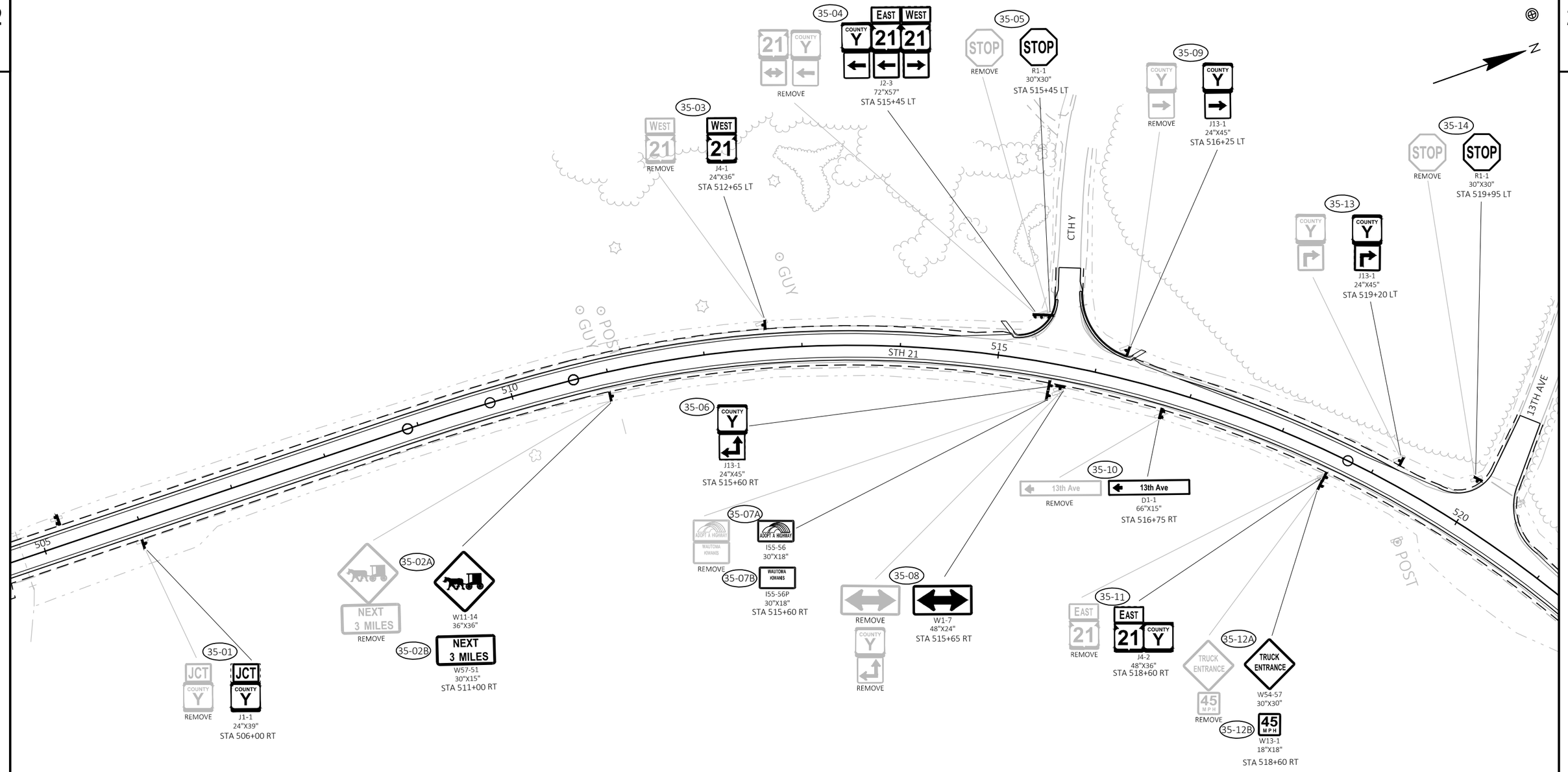
LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 111	E

2



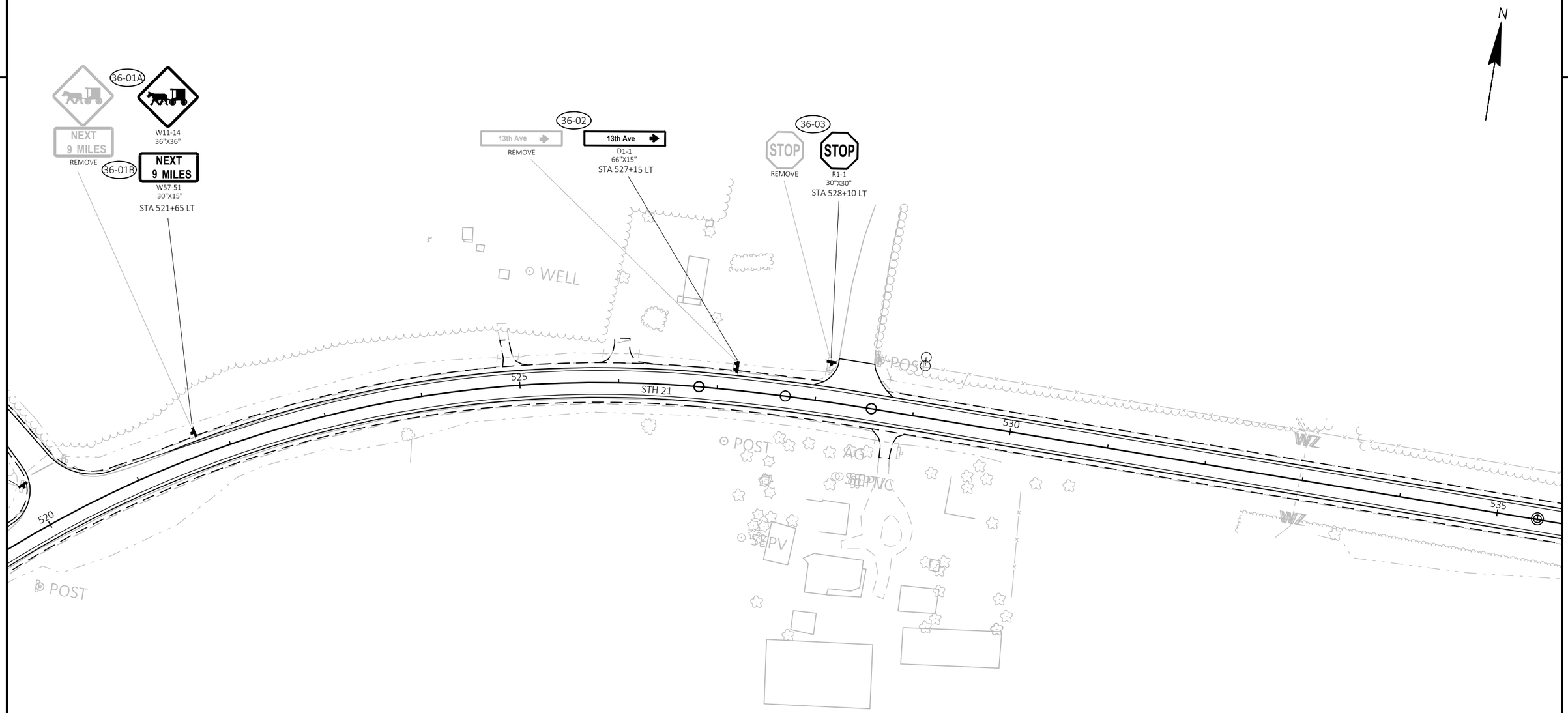
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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 112	E

2



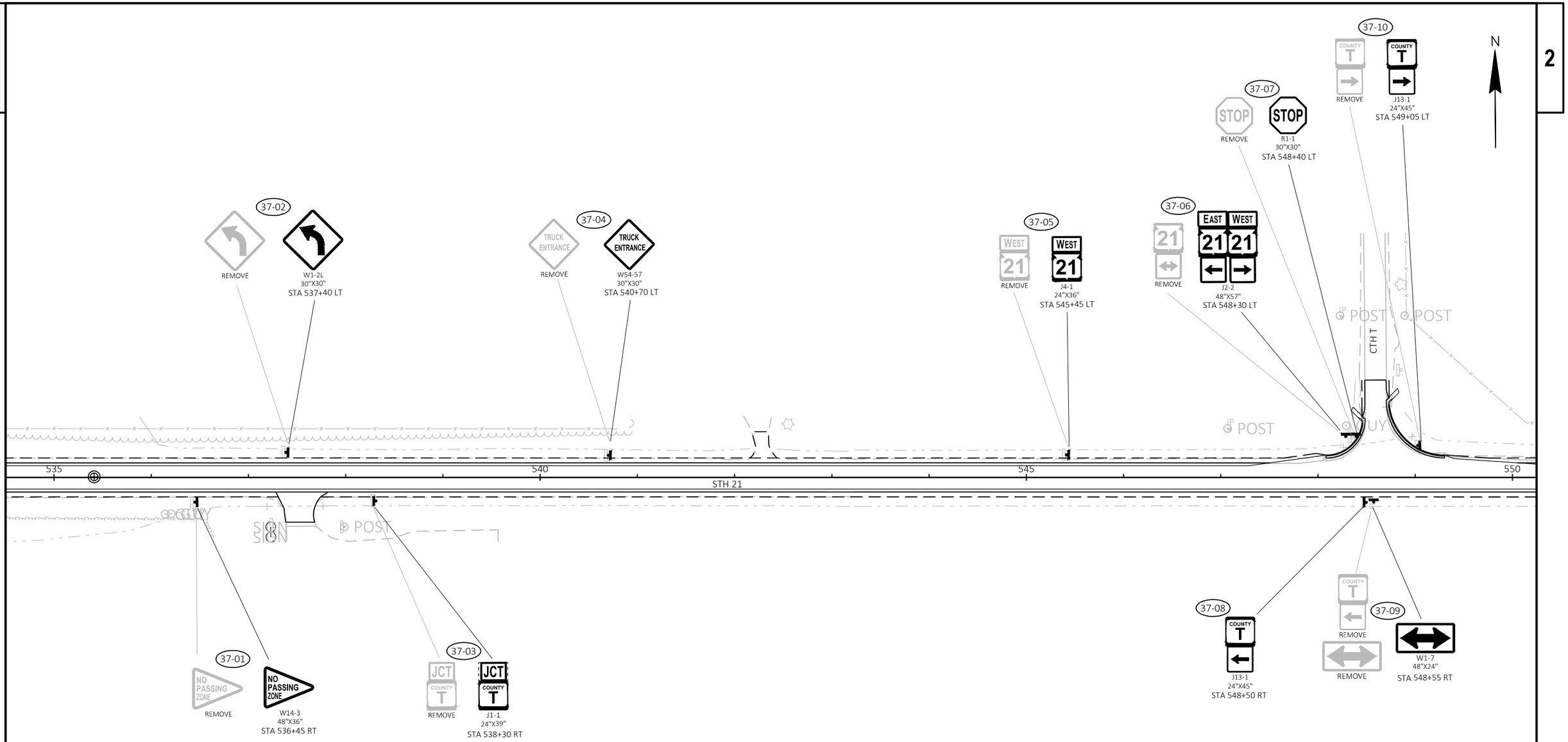
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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 113	E

2



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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 114	E

2

N

38-02

JCT COUNTY T
REMOVE

JCT COUNTY T
J1-1
24"X39"
STA 556+90 LT

POST

550 555 560

STH 21

POST

38-01

EAST 21
REMOVE

EAST 21
J4-1
24"X36"
STA 551+45 RT

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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 115	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 38
PLOT DATE : 7/13/2022 4:31 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N

POST

565 570 575

STH 21

GUY GUY POST

39-01

COUNTY Y

REMOVE

COUNTY Y

J13-1
24"X45"
STA 576+70 RT

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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 116	E

2

N

40-03
WEST
21
REMOVE
WEST
21
COUNTY
Y
J4-2
48"X36"
STA 584+00 LT

40-05
White River
REMOVE
White River
I3-1
36"X24"
STA 585+65 LT

40-06A
ADOPT A HIGHWAY
WAUTOMA
KIWANIS
REMOVE
ADOPT A HIGHWAY
I55-56
30"X18"

40-06B
WAUTOMA
KIWANIS
I55-56P
30"X18"
STA 586+80 LT

COUNTY
Y
REMOVE

40-08
REMOVE
W1-7
48"X24"
STA 588+20 LT

40-09
COUNTY
Y
J13-1
24"X45"
STA 588+25 LT

40-14A
NEXT
11 MILES
REMOVE
W11-14
36"X36"

40-14B
NEXT
11 MILES
W57-51
30"X15"
STA 593+00 LT

POST

580
585
590

STH 21

POST
SEPV
POST
CTH Y

40-01
Dakota
REMOVE
Dakota
D1-1
60"X15"
STA 581+60 RT

40-02A
NEXT
2 MILES
REMOVE
W11-14
36"X36"

40-02B
NEXT
2 MILES
W57-51
30"X15"
STA 583+15 RT

40-04
White River
I3-1
36"X24"
STA 585+10 RT

40-07
COUNTY
Y
REMOVE
COUNTY
Y
J13-1
24"X45"
STA 587+80 RT

40-10
STOP
REMOVE
STOP
R1-1
30"X30"
STA 588+35 RT

40-11
21
REMOVE
COUNTY
Y
WEST
21
EAST
21
J2-3
72"X57"
STA 588+45 RT

40-12
EAST
21
REMOVE
EAST
21
J4-1
24"X36"
STA 591+15 RT

40-13A
ADOPT A HIGHWAY
GRACE UNITED METHODIST CHURCH
REMOVE
ADOPT A HIGHWAY
I55-56
30"X18"

40-13B
GRACE UNITED METHODIST CHURCH
I55-56P
30"X18"
STA 592+70 RT

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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 117	E

2

N

41-01

Dakota
REMOVE

Dakota
D1-1
60"X15"
STA 594+80 LT

41-02

JCT
COUNTY
Y
REMOVE

JCT
COUNTY
Y
J1-1
24"X39"
STA 597+70 LT

POST

595 600 605

STH 21

POST

GUY

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LEGEND

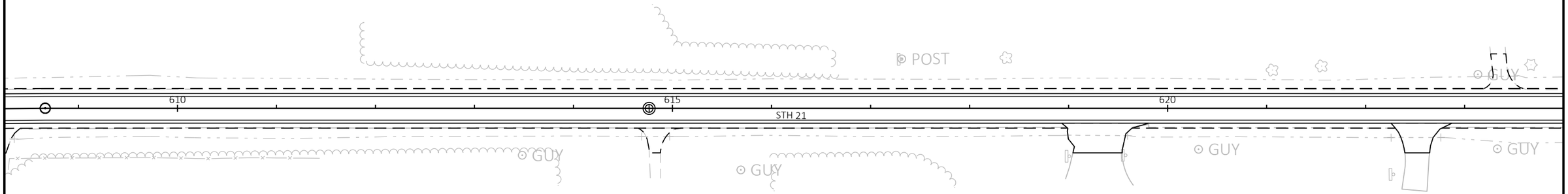
- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 118	E

2

2

N



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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 119	E

2

2

N

43-01

NO PASSING ZONE
REMOVE

NO PASSING ZONE
W14-3
48"X36"
STA 631+15 LT

GUY

625

630

635

STH 21

SIGN

POST

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LEGEND

SIGN ON SINGLE SUPPORT

SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 120	E

2

N

POST
POST
GUY
GUY
POST
640
645
650
STH 21
POST
GUY
GUY
POST
SERV
SERV
OAKDALE CT

44-01
Oakdale Ct
REMOVE
Oakdale Ct
D1-1
78"X15"
STA 641+85 RT

44-02
STOP
REMOVE
STOP
R1-1
30"X30"
STA 649+25 RT

44-03
NO PASSING ZONE
REMOVE
NO PASSING ZONE
W14-3
48"X36"
STA 649+90 RT

44-04
Buckorn Cr
REMOVE
Buckhorn Cir
D1-1
90"X15"
STA 652+35 RT

NOTE:
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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 121	E

2

N

45-01

Oakdale Ct
REMOVE

Oakdale Ct
D1-1
78"X15"
STA 653+85 LT

45-03

STOP
REMOVE

STOP
R1-1
30"X30"
STA 657+25 LT

45-02A

NEXT
13 MILES
REMOVE

W11-14
36"X36"

45-02B

NEXT
13 MILES
W57-51
30"X15"
STA 656+25 LT

BUCKHORN CIR

45-05

Buckhorn Cr
REMOVE

Buckhorn Cir
D1-1
90"X15"
STA 664+50 LT

45-06

STOP
REMOVE

STOP
R1-1
30"X30"
STA 667+45 LT

16TH AVE

655 660 665

STH 21

46-01

45-04

16th Ave
REMOVE

16th Ave
D1-1
66"X15"
STA 660+75 RT

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LEGEND

- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 122	E

2

2

N

16TH AVE

46-02

16th Ave
REMOVE

16th Ave
D1-1
66"X15"
STA 674+80 LT

46-03

SPEED LIMIT 55
REMOVE

SPEED LIMIT 55
R2-1
24"X30"
STA 679+00 LT

46-06

STOP AHEAD
REMOVE

W3-1
36"X36"
STA 682+30 LT

46-07

REMOVE
STA 682+30 LT

670 675 680

STH 21

46-01

Wautoma
POPULATION 2218
MOVING SIGNS REQ'D

Tree City USA
12 Years
NEIGHBORHOOD CRIME WATCH
MOVE BY OTHERS
STA 668+20 RT

NO ENGINE BRAKING EXCEPT IN EMERGENCY
WITHIN CITY LIMITS
MOVE BY OTHERS
STA 670+45 RT

46-04

JCT 22
REMOVE

JCT 22
J1-1
24"X39"
STA 679+10 RT

46-05

STOP AHEAD
REMOVE

W3-1
36"X36"
STA 682+25 RT

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LEGEND

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- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 123	E

2

N

47-01
NEXT 7 MILES
REMOVE
STA 684+20 LT

MOVE BY OTHERS
STA 684+20 LT

47-02A
I55-56
30"X18"

47-02B
I55-56P
30"X18"
STA 685+80 LT

REMOVE

47-04
NO PASSING ZONE
REMOVE

NO PASSING ZONE
W14-3
48"X36"
STA 687+05 LT

MOVE BY OTHERS
STA 687+05 LT

47-06
STOP
REMOVE

STOP
R1-1
30"X30"
STA 688+80 LT

END PROJECT
STA 692+51

47-07
Coloma 13
REMOVE

Coloma 12
Tomah 63
D2-1
66"X24"
STA 689+70 LT

47-10
WEST 21
REMOVE

WEST 21
J4-1
24"X36"
STA 691+55 LT

EXISTING TO REMAIN

EXISTING TO REMAIN

EXISTING TO REMAIN

685

690

STH 21

BIRD AVE

STH 22

47-03
EAST NORTH SOUTH
21 22 22
REMOVE

EAST NORTH SOUTH
21 22 22
J2-3
72"X57"
STA 686+75 RT

MOVE BY OTHERS
STA 683+50 RT

47-05
WAUTOMA AIRPORT
REMOVE

WAUTOMA AIRPORT
D9-52R
36"X36"
STA 688+15 RT

CITY OF WAUTOMA
INFO SIGN
MOVE BY OTHERS
STA 688+50 RT

NO PARKING
ON ANY STREET IN THE CITY OF WAUTOMA BETWEEN 2AM AND 6AM NOV 15 THROUGH APR 1

NO PEDDLING OR SOLICITING IN THE CITY OF WAUTOMA BETWEEN THE HOURS OF 9 PM TO 9 AM PEDDLING AND SOLICITING IS ALLOWED BETWEEN THE HOURS OF 9 AM TO 9 PM WITH A CITY LICENSE
MOVE BY OTHERS
STA 688+15 RT

47-08
STOP
REMOVE

STOP
R1-1
30"X30"
STA 589+80 RT

47-09
ONLY ONLY ONLY
REMOVE

ONLY ONLY ONLY
R3-8LAR
54"X30"
STA 690+30 RT

47-11
Oshkosh
Princeton
Montello
REMOVE

Redgranite
Wild Rose
Montello
D1-3
78"X36"
STA 691+75 RT

DO NOT ENTER
EXISTING TO REMAIN

STOP
EXISTING TO REMAIN

SOUTH 22
EXISTING TO REMAIN

EAST NORTH SOUTH
21 22 22
EXISTING TO REMAIN

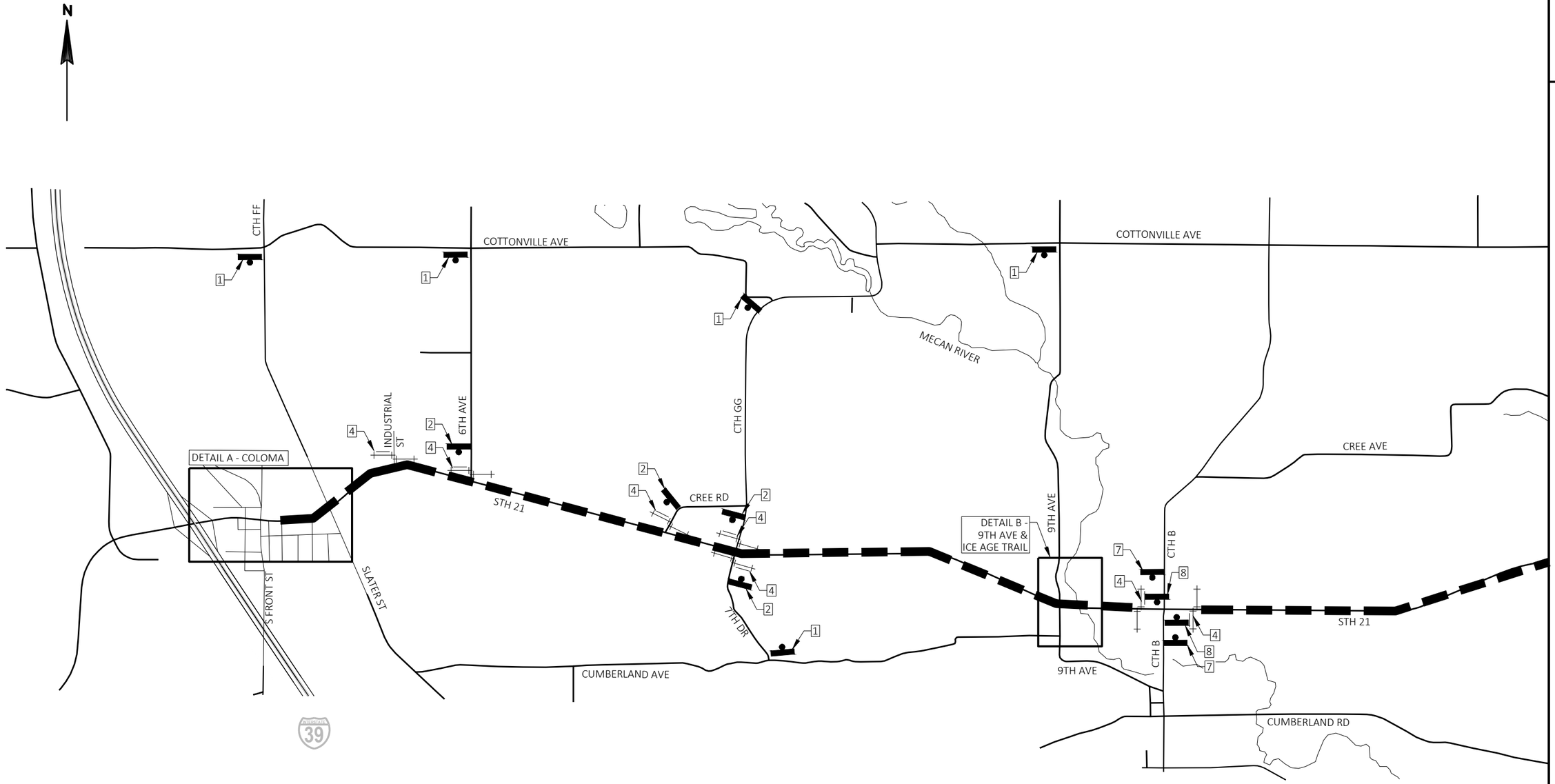
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LEGEND
- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORTS

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET 124	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 47
PLOT DATE : 7/13/2022 4:32 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- WORK ZONE
- TYPE III BARRICADE W/ TYPE A WARNING LIGHTS
- SIGN ON TYPE III BARRICADE W/ TYPE A WARNING LIGHTS
- SIGN ON POST

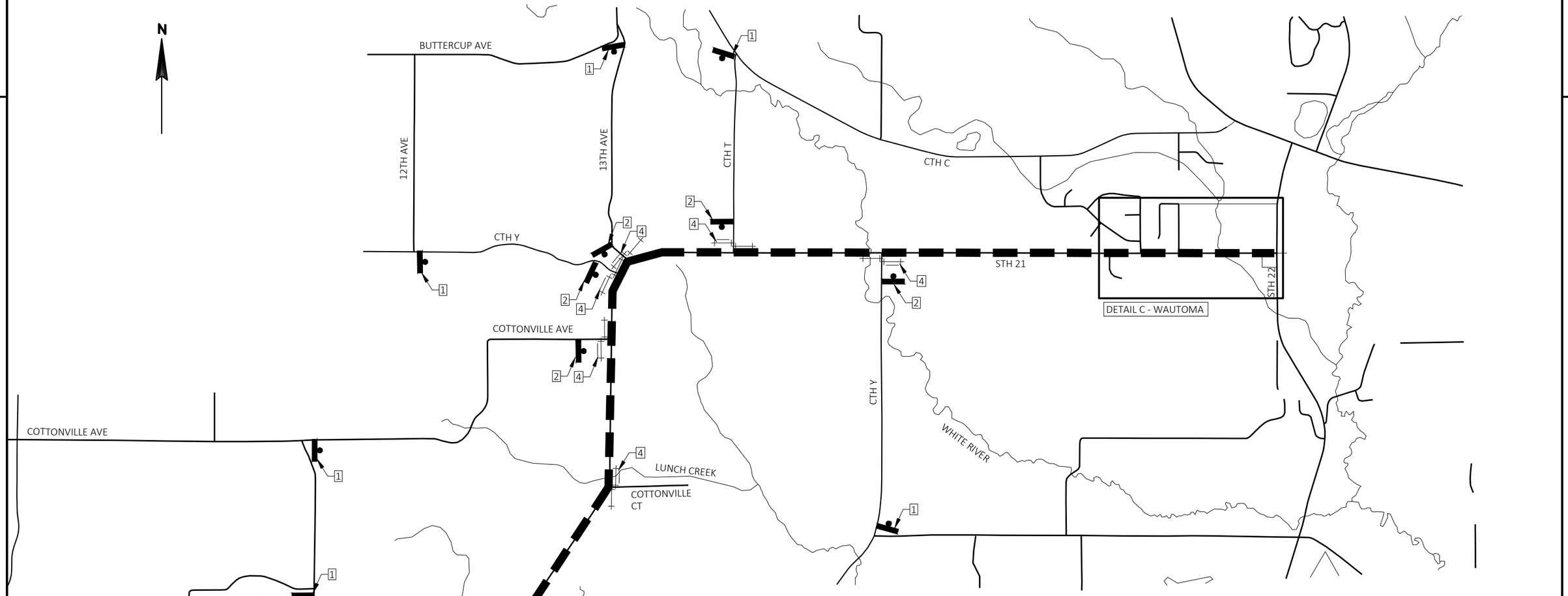
1. ROAD CLOSED AHEAD — W20-3A
2. ROAD CLOSED 500 FT — W20-3D
3. ROAD CLOSED 0.3 MILES AHEAD LOCAL TRAFFIC ONLY — R11-3 60"X30"
4. ROAD CLOSED TO THRU TRAFFIC — R11-4 60"X30"
5. DETOUR — M4-9L 30"X24"
6. DETOUR — M4-9R 30"X24"
7. ROAD WORK AHEAD — W20-1A
8. HWY 21 ROAD CLOSED BEGINS XXX-XX — G20-57C 72"X36" — PLACE 7 DAYS PRIOR TO CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED

SEE SDD'S "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR ADDITIONAL DETAILS

USE SDD'S "TRAFFIC CONTROL ADVANCE WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" AND "TRAFFIC CONTROL ADVANCE WARNING SIGNS 40 MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ANY WORK PERFORMED WITHOUT ROAD CLOSURE AND DETOUR.

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	ADVANCED WARNING - STH 21	SHEET 125	E



LEGEND

- WORK ZONE
- TYPE III BARRICADE W/ TYPE A WARNING LIGHTS
- SIGN ON TYPE III BARRICADE W/ TYPE A WARNING LIGHTS
- SIGN ON POST

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED

SEE SDD'S "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR ADDITIONAL DETAILS

USE SDD'S "TRAFFIC CONTROL ADVANCE WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" AND "TRAFFIC CONTROL ADVANCE WARNING SIGNS 40 MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ANY WORK PERFORMED WITHOUT ROAD CLOSURE AND DETOUR.

1. ROAD CLOSED AHEAD — W20-3A
2. ROAD CLOSED 500 FT — W20-3D
3. ROAD CLOSED 0.3 MILES AHEAD LOCAL TRAFFIC ONLY — R11-3, 60"X30"
4. ROAD CLOSED TO THRU TRAFFIC — R11-4, 60"X30"
5. DETOUR — M4-9L, 30"X24"
6. DETOUR — M4-9R, 30"X24"
7. ROAD WORK AHEAD — W20-1A
8. HWY 21 ROAD CLOSED BEGINS XXX-XX — G20-57C, 72"X36" — PLACE 7 DAYS PRIOR TO CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS

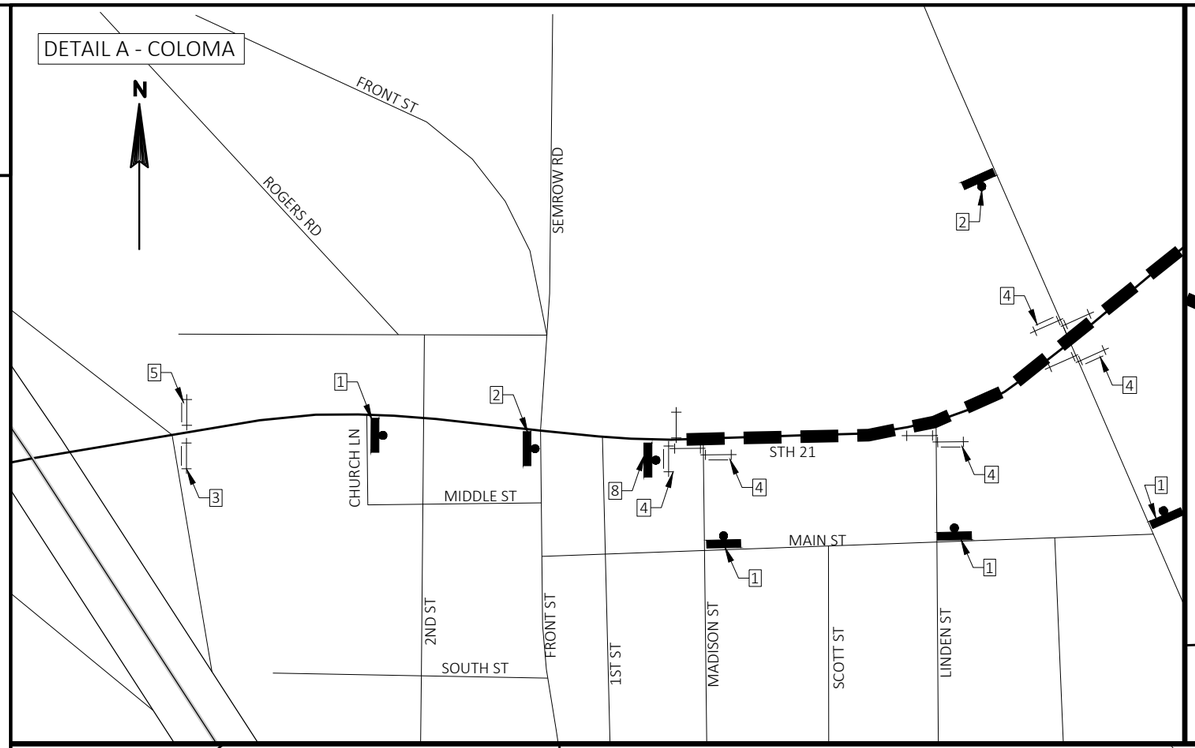
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	ADVANCED WARNING - STH 21	SHEET 126	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023301-AW.DWG
LAYOUT NAME - 02-aw

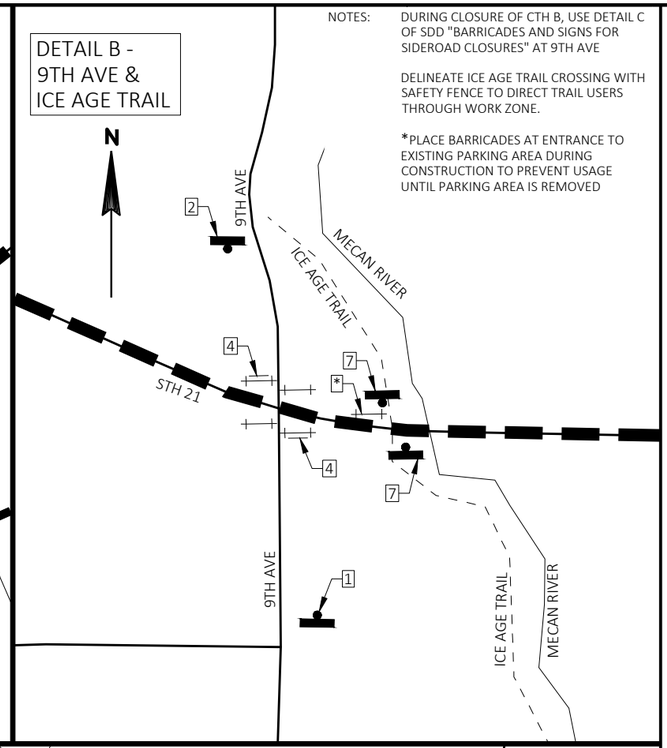
PLOT DATE : 7/20/2022 10:33 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:0.5 MI

2

DETAIL A - COLOMA



DETAIL B - 9TH AVE & ICE AGE TRAIL



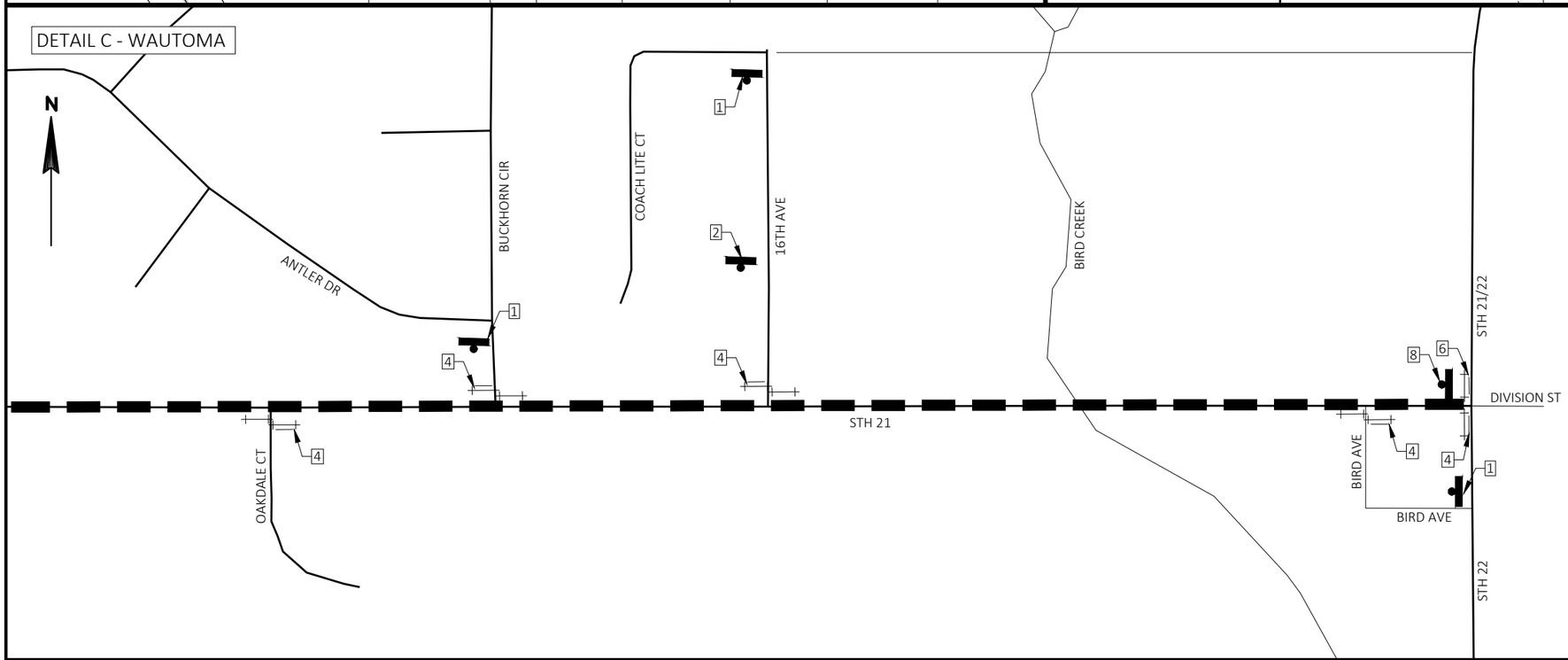
NOTES:

DURING CLOSURE OF CTH B, USE DETAIL C OF SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" AT 9TH AVE

DELINEATE ICE AGE TRAIL CROSSING WITH SAFETY FENCE TO DIRECT TRAIL USERS THROUGH WORK ZONE.

*PLACE BARRICADES AT ENTRANCE TO EXISTING PARKING AREA DURING CONSTRUCTION TO PREVENT USAGE UNTIL PARKING AREA IS REMOVED

DETAIL C - WAUTOMA



LEGEND

- WORK ZONE
- TYPE III BARRICADE W/ TYPE A WARNING LIGHTS
- SIGN ON TYPE III BARRICADE W/ TYPE A WARNING LIGHTS
- SIGN ON POST

1 ROAD CLOSED AHEAD W20-3A

2 ROAD CLOSED 500 FT W20-3D

3 ROAD CLOSED 0.3 MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60"X30"

4 ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"

5 DETOUR M4-9L 30"X24"

6 DETOUR M4-9R 30"X24"

7 ROAD WORK AHEAD W20-1A

8 HWY 21 ROAD CLOSED BEGINS XXX-XX G20-57C 72"X36"

PLACE 7 DAYS PRIOR TO CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED

SEE SDD'S "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR ADDITIONAL DETAILS

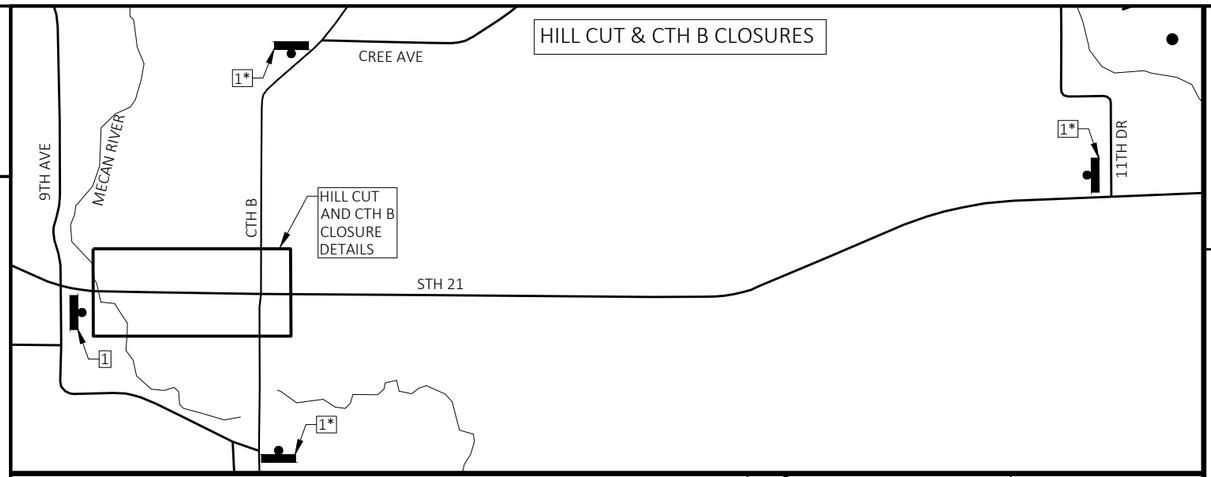
USE SDD'S "TRAFFIC CONTROL ADVANCE WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" AND "TRAFFIC CONTROL ADVANCE WARNING SIGNS 40 MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ANY WORK PERFORMED WITHOUT ROAD CLOSURE AND DETOUR.

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	ADVANCED WARNING - STH 21	SHEET 127	E

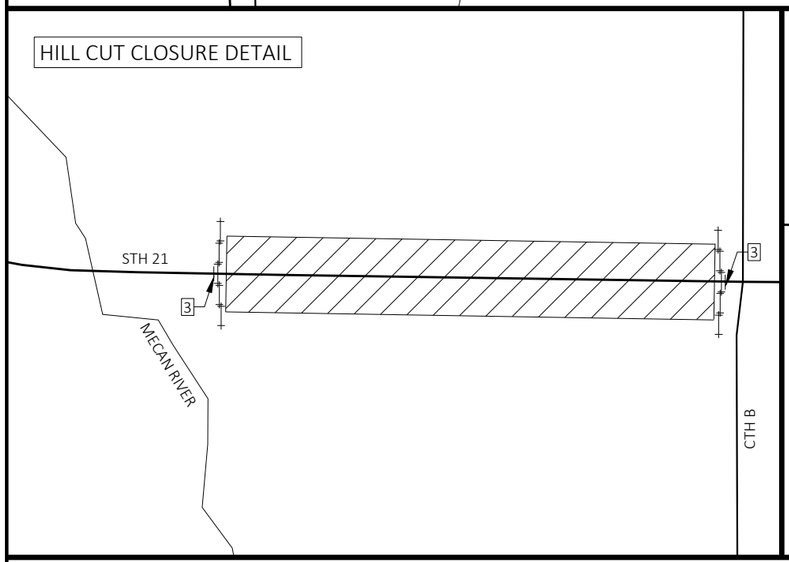
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\023301-AW.DWG
LAYOUT NAME - 03-aw

PLOT DATE : 7/20/2022 10:33 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:500 FT

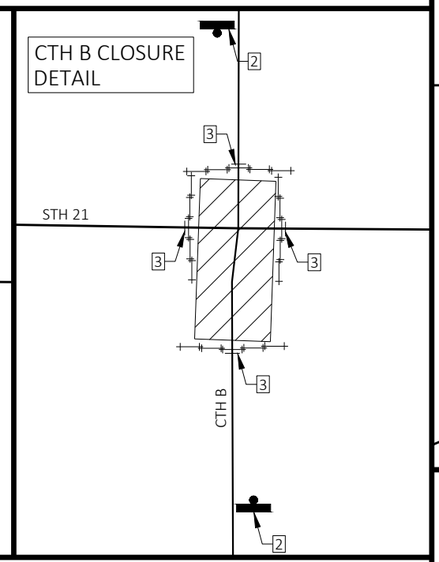
HILL CUT & CTH B CLOSURES



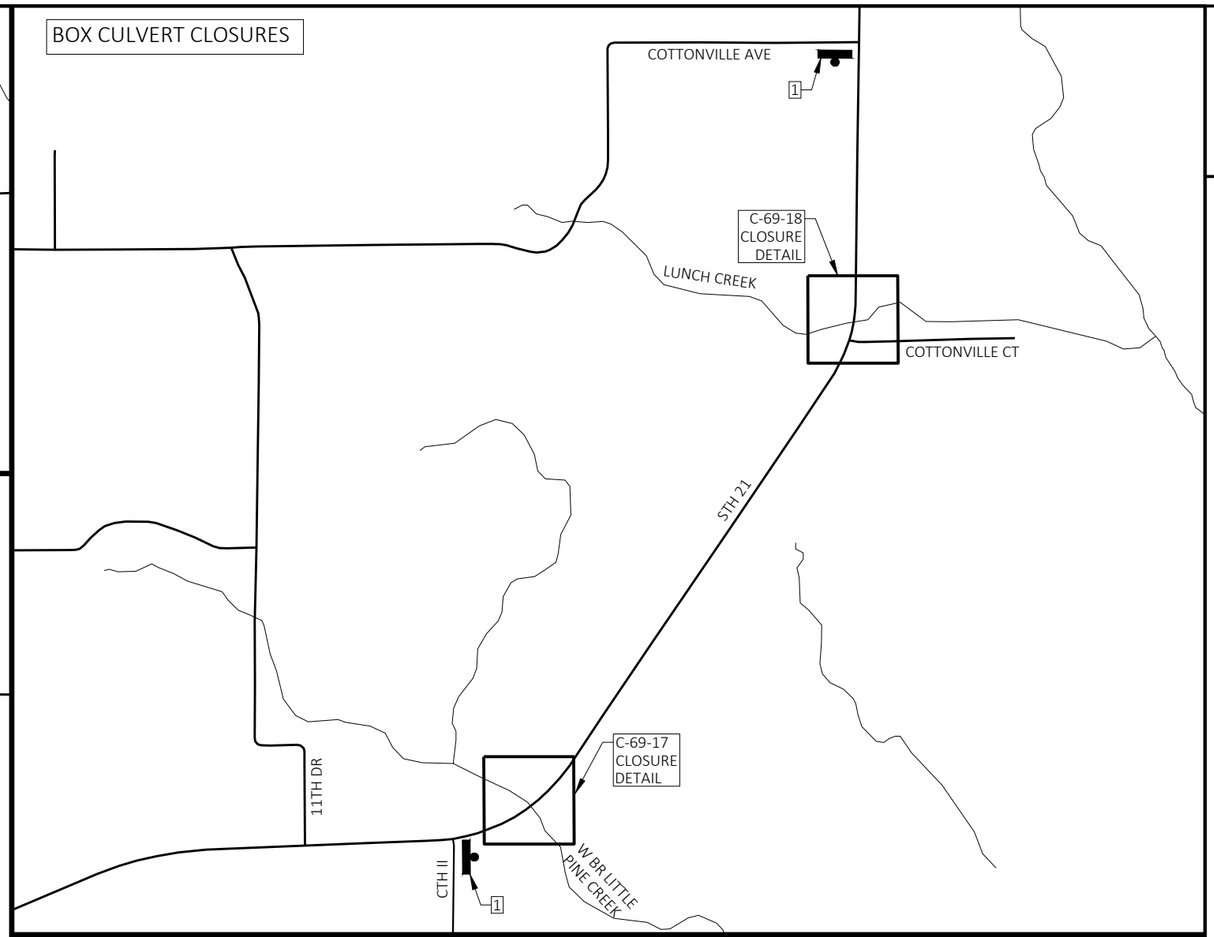
HILL CUT CLOSURE DETAIL



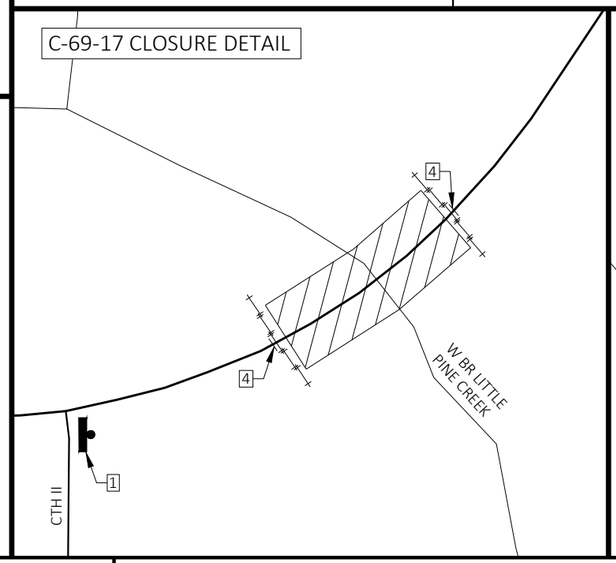
CTH B CLOSURE DETAIL



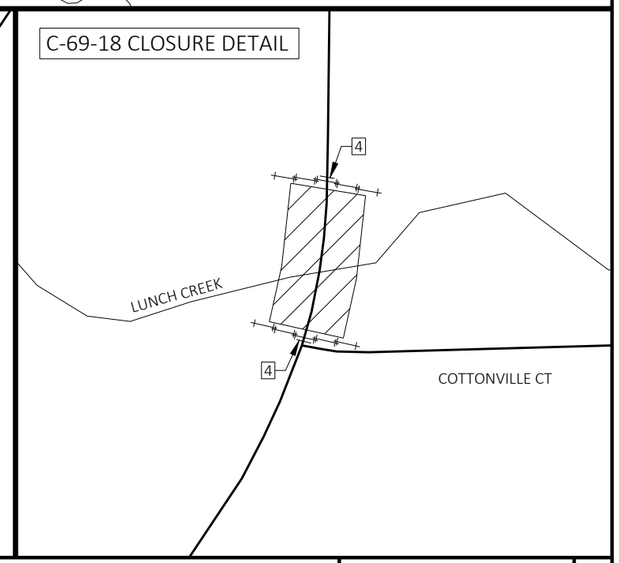
BOX CULVERT CLOSURES



C-69-17 CLOSURE DETAIL



C-69-18 CLOSURE DETAIL



LEGEND

- CLOSURE AREA
- TYPE III BARRICADE W/ TYPE A WARNING LIGHTS
- SIGN ON TYPE III BARRICADE W/ TYPE A WARNING LIGHTS
- SIGN ON POST

1 — ROAD CLOSED AHEAD — W20-3A

2 — ROAD CLOSED 500 FT — W20-3D

* ONLY NEEDED DURING CTH B CLOSURE

3 — ROAD CLOSED — R11-2 — 48"X30"

4 — BRIDGE OUT — R11-2B — 48"X30"

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED

SEE SDD'S "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" MORE ADDITIONAL DETAILS

HILL CUT AND CTH B CLOSURES CAN BE COMBINED

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	ADVANCED WARNING - HILL CUT AND BOX CULVERT CLOSURES	SHEET 128 E

2

DETAIL-C

DETAIL-D

DETAIL-E

DETAIL-F

DETAIL-G

DETAIL-B

DETAIL-H

DETAIL-I

DETAIL-A

N

LEGEND

DETOUR ROUTE

WORK AREA

Plainfield

PLAINFIELD

OASIS

Wild Rose

Hancock

HANCOCK

DEERFIELD

WAUTOMA

COLOMA

RICHFORD

Coloma

Richford

Wautoma

DAKOTA

MARION

Dakota

Long L.

L. Huron

Pine L.

Fish L.

Beans L.

Round L.

Mill Pond

Mecan R.

Lunch Cr.

W. Br. Lit. Pine R.

E. Br. Cr.

Witters L.

Wilcox L.

Mielke L.

Pickerel L.

Bass L.

Curtis L.

S. Br. Weddle Cr.

Pleasant L.

Chaffee Cr.

Bughs L.

Irogami L.

Silver L.

Johns L.

Alpine L.

Hills L.

Deer L.

Br. White R.

Lucerne

Sucker

Spruces Cr.

W. Br. Lit. Pine Cr.

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	DETOUR ROUTE - OVERVIEW	SHEET 129	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 01-dt

PLOT DATE : 7/20/2022 10:35 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:2 MI

WISDOT/CADDS SHEET 42

DETAIL A

N

LEGEND

- DETOUR ROUTE
- WORK AREA
- EXISTING TYPE II SIGN
- EXISTING TYPE I SIGN
- DETOUR SIGN
- COVER EXISTING SIGN

NOTES: SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR ADDITIONAL DETAILS

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

Wautoma Exit 124

M4-8 36"X18" DETOUR WEST
M3-4 36"X18"
M1-6 36"X36" 21
MO5-2R 30"X30"

DETOUR NEXT 29 MILES
G20-51 60"X24"

M4-8 36"X18" DETOUR EAST
M3-2 36"X18" NORTH 39 NORTH 51
M1-6 36"X36" 21

M4-8 24"X12" DETOUR EAST
M3-2 24"X12" NORTH 39 NORTH 51
M1-6 24"X24" 21
MO6-1 21"X21"

Exit 124 21 Coloma Necedah

M4-8 36"X18" DETOUR WEST
M3-4 36"X18"
M1-6 36"X36" 21
MO6-2 30"X30"

M4-8 24"X12" DETOUR EAST
M3-2 24"X12" SOUTH 39 NORTH 39 51 51
M1-6 24"X24" 21
MO5-1R 21"X21"

Coloma Wautoma Necedah

M4-8A 24"X18" END DETOUR
EAST 21 WEST 21

IH 39 NB
IH 39 SB
STH 21

M4-8 24"X12" DETOUR WEST EAST 21 21
PLACE OVER EXISTING SIGN
MO6-1 21"X21"

Necedah Coloma Wautoma
PLACE OVER EXISTING ARROW
A4-12 9.5"X9.5"
A4-12 9.5"X9.5"

M3-2 24"X12" EAST 21
M1-6 24"X24"
DETOUR AHEAD W20-2A
NORTH 39 SOUTH 39 51 51

PLACE OVER EXISTING ARROW
A4-12 9.5"X9.5"
A4-12 9.5"X9.5"
Coloma Wautoma Stevens Point

Exit 124 21 Coloma Necedah

M4-8 36"X18" DETOUR EAST
M3-2 36"X18"
M1-6 36"X36" 21
MO6-1 30"X30"

Coloma Wautoma Portage

M4-8 24"X12" DETOUR EAST
M3-2 24"X12" NORTH 39 NORTH 51
M1-6 24"X24" 21
MO5-1L 21"X21"

M4-8 24"X12" DETOUR EAST
M3-2 24"X12" NORTH 39 NORTH 51
M1-6 24"X24" 21
MO6-1 21"X21"

M4-8 36"X18" DETOUR EAST
M3-2 36"X18"
M1-6 36"X36" 21
MO6-1 30"X30"

M3-2 36"X18" EAST
M1-6 36"X36" 21
DETOUR AHEAD W20-2A

Wautoma Exit 124

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	DETOUR ROUTE - DETAIL A	SHEET 130	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 01-dt

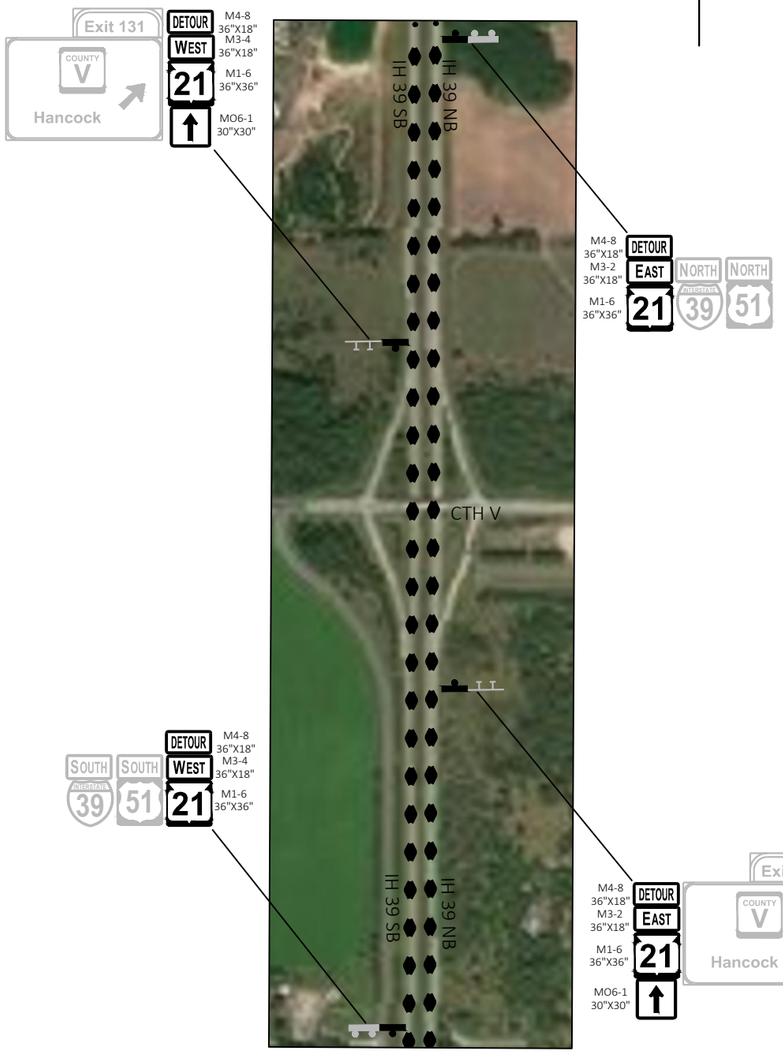
PLOT DATE : 7/20/2022 10:36 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:750 FT

WISDOT/CADDS SHEET 42

2

DETAIL B

N



LEGEND

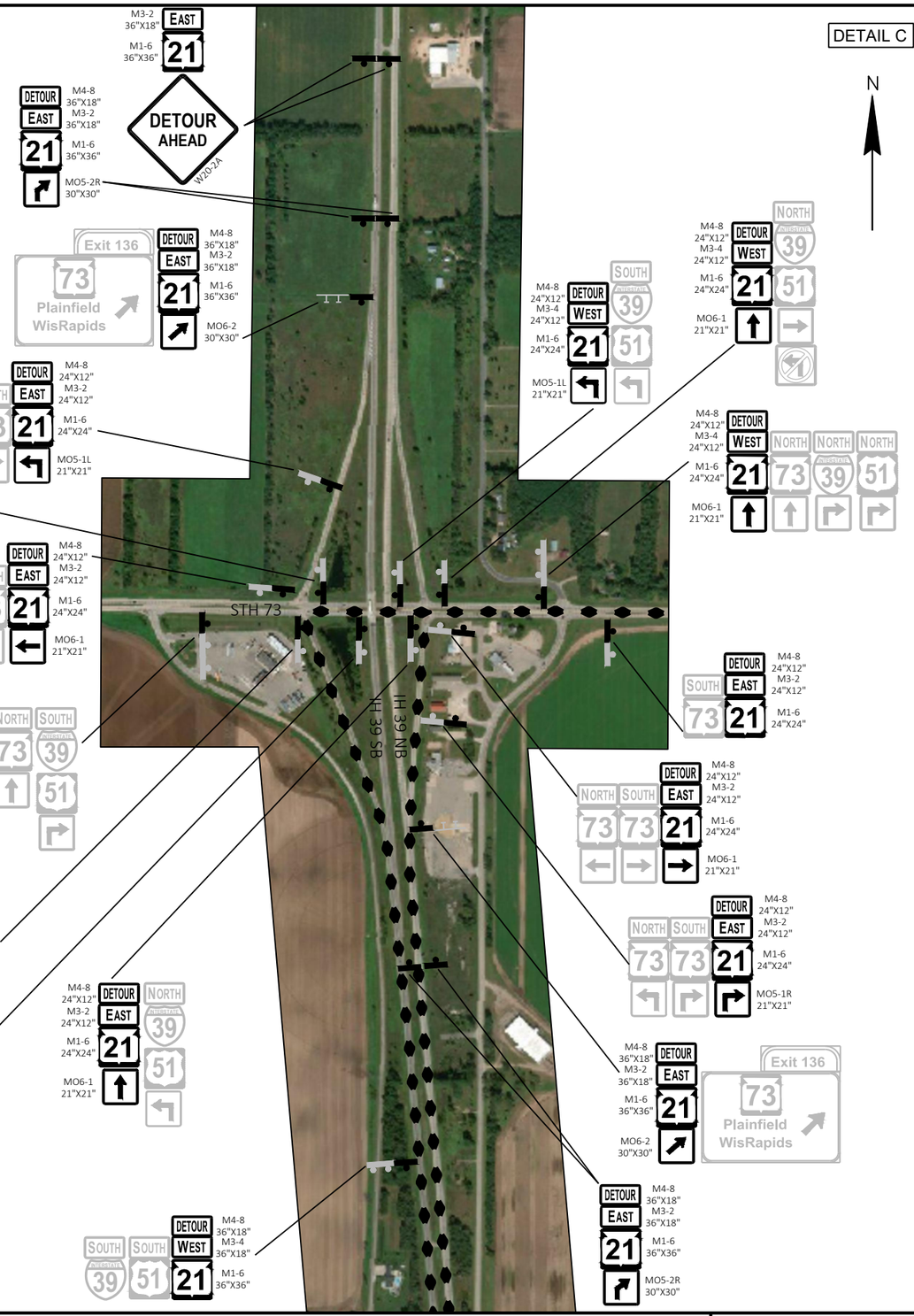
- DETOUR ROUTE
- WORK AREA
- EXISTING TYPE II SIGN
- EXISTING TYPE I SIGN
- DETOUR SIGN
- COVER EXISTING SIGN

NOTES: SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR ADDITIONAL DETAILS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

DETAIL C

N



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	DETOUR ROUTE - DETAILS B & C	SHEET 131	E

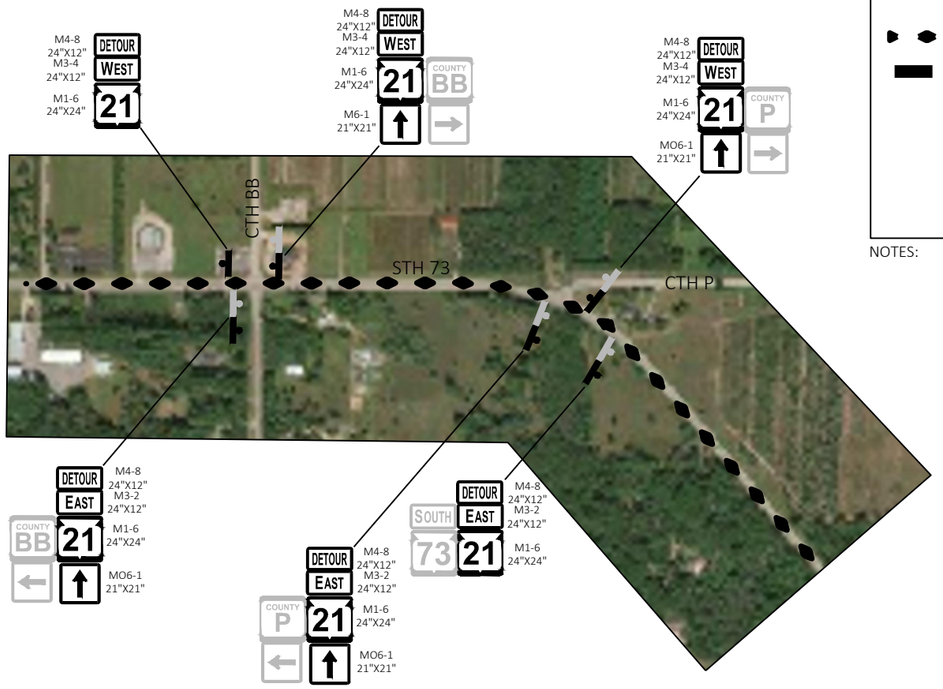
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 02-DT

PLOT DATE : 7/20/2022 10:36 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:750 FT

WISDOT/CADDS SHEET 42

2

DETAIL D



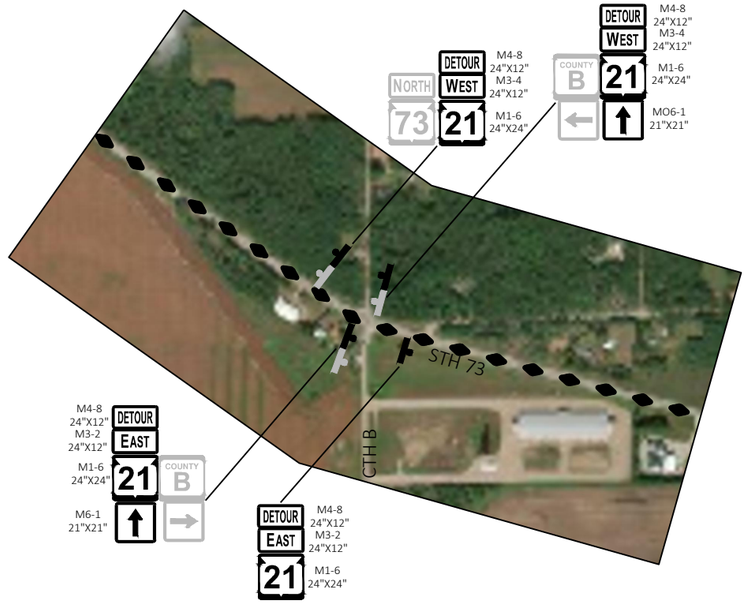
LEGEND

- DETOUR ROUTE
- WORK AREA
- EXISTING TYPE II SIGN
- EXISTING TYPE I SIGN
- DETOUR SIGN
- COVER EXISTING SIGN

NOTES: SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR ADDITIONAL DETAILS

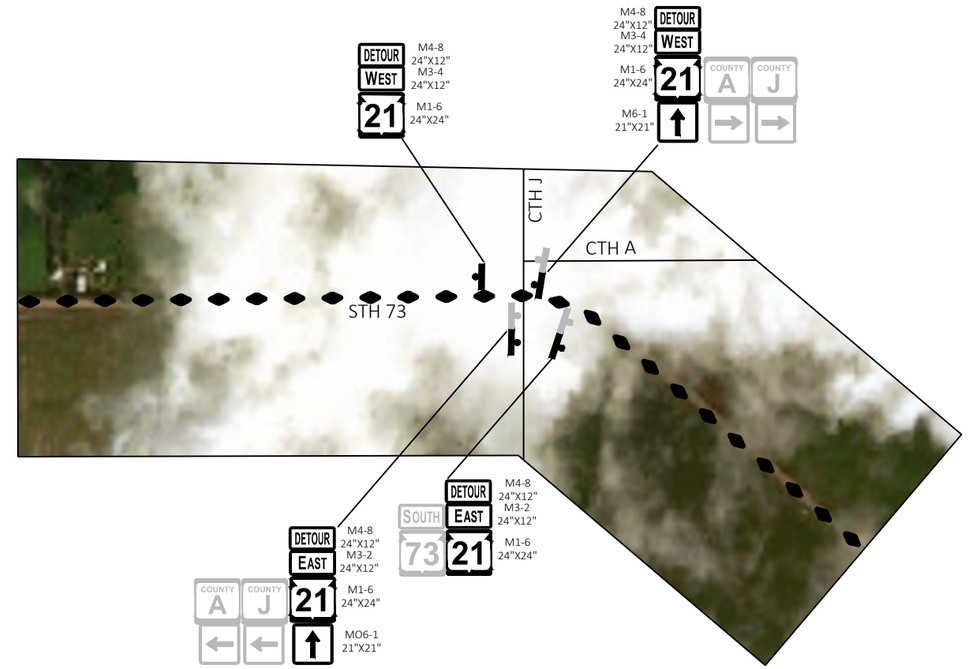
ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

DETAIL E



2

DETAIL F



DETAIL G



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	DETOUR ROUTE - DETAILS D - G	SHEET 132	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 03-DT
PLOT DATE : 7/20/2022 10:36 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:750 FT
WISDOT/CADDS SHEET 42

2

DETAIL H

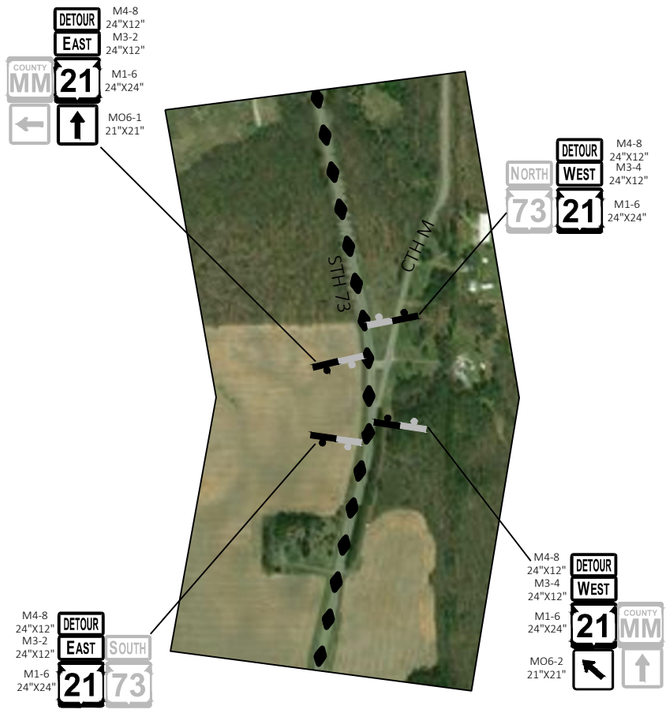
N

LEGEND

- DETOUR ROUTE
- WORK AREA
- EXISTING TYPE II SIGN
- EXISTING TYPE I SIGN
- DETOUR SIGN
- COVER EXISTING SIGN

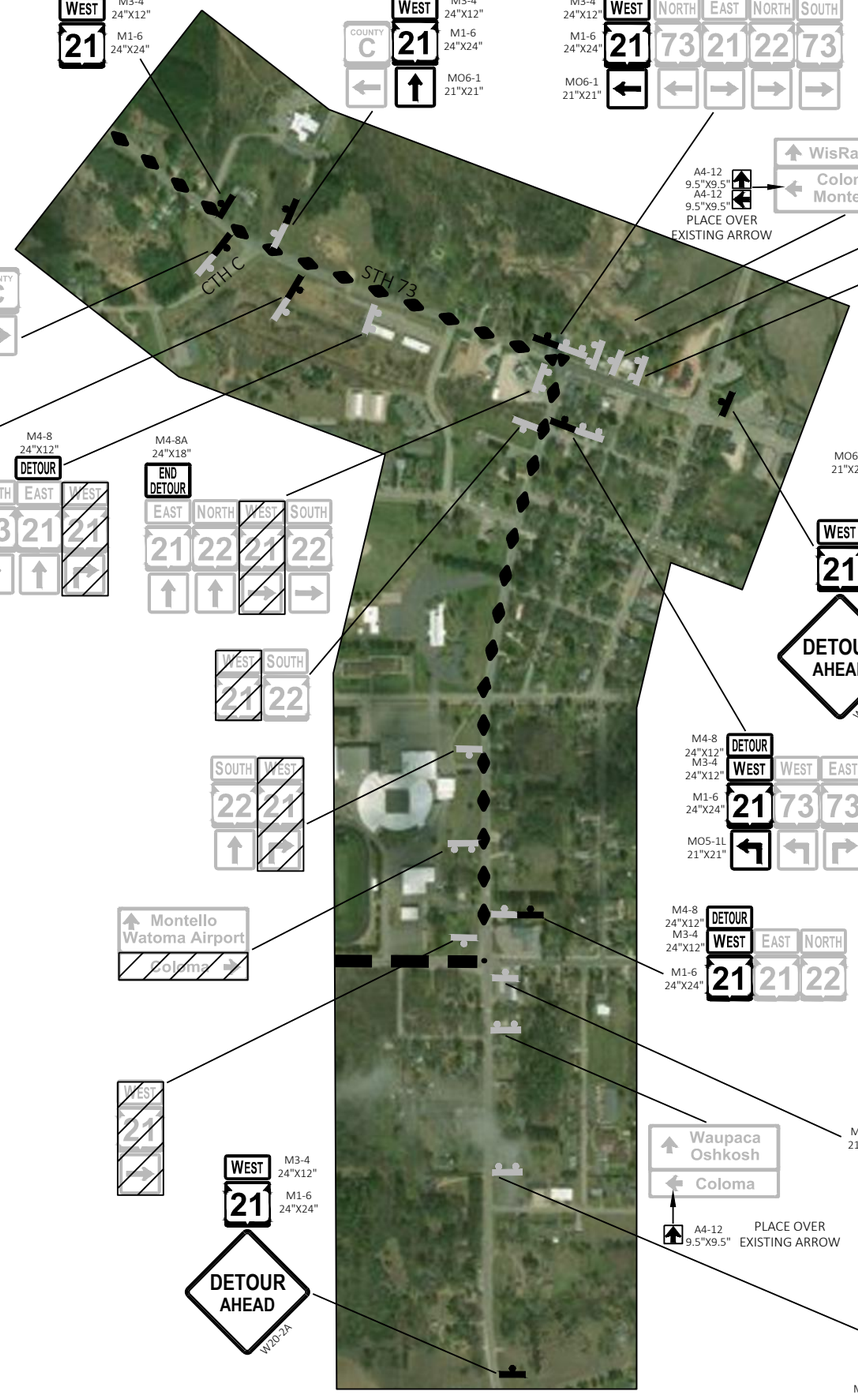
NOTES: SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR ADDITIONAL DETAILS

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



DETAIL I

N



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	DETOUR ROUTE - DETAILS H & I	SHEET 133	E

Line	Item	Item Description	Unit	Total	6170-00-70 Qty	6170-00-74 Qty
0002	201.0105	Clearing	STA	94.000	85.000	9.000
0004	201.0120	Clearing	ID	318.000	294.000	24.000
0006	201.0205	Grubbing	STA	94.000	85.000	9.000
0008	201.0220	Grubbing	ID	318.000	294.000	24.000
0010	203.0100	Removing Small Pipe Culverts	EACH	129.000	129.000	
0012	203.0220	Removing Structure (structure) 01. 69-21-8515	EACH	1.000	1.000	
0014	203.0220	Removing Structure (structure) 02. 69-21-8516	EACH	1.000	1.000	
0016	203.0220	Removing Structure (structure) 03. 69-21-8520	EACH	1.000	1.000	
0018	204.0100	Removing Concrete Pavement	SY	173.000	173.000	
0020	204.0110	Removing Asphaltic Surface	SY	2,731.000	2,731.000	
0022	204.0150	Removing Curb & Gutter	LF	880.000	880.000	
0024	204.0155	Removing Concrete Sidewalk	SY	2.000	2.000	
0026	204.0165	Removing Guardrail	LF	1,836.000	1,836.000	
0028	204.0170	Removing Fence	LF	695.000	695.000	
0030	204.0180	Removing Delineators and Markers	EACH	94.000	94.000	
0032	204.0185	Removing Masonry	CY	5.000	5.000	
0034	204.9060.S	Removing (item description) 01. Vane Drain	EACH	1.000	1.000	
0036	204.9060.S	Removing (item description) 02. Landscaping Planter	EACH	1.000	1.000	
0038	204.9060.S	Removing (item description) 03. Wooden Sign	EACH	1.000	1.000	
0040	204.9090.S	Removing (item description) 01. ATR Loop Detection System	LF	120.000	120.000	
0042	205.0100	Excavation Common	CY	113,512.000	32,911.000	80,601.000
0044	206.2001	Excavation for Structures Culverts (structure) 01. C-69-01	EACH	1.000	1.000	
0046	206.2001	Excavation for Structures Culverts (structure) 02. C-69-17	EACH	1.000	1.000	
0048	206.2001	Excavation for Structures Culverts (structure) 03. C-69-18	EACH	1.000	1.000	
0050	210.2500	Backfill Structure Type B	TON	2,945.000	2,945.000	
0052	213.0100	Finishing Roadway (project) 01. 6170-00-70	EACH	1.000	1.000	
0054	213.0100	Finishing Roadway (project) 02. 6170-00-74	EACH	1.000		1.000
0056	305.0110	Base Aggregate Dense 3/4-Inch	TON	20,821.000	20,821.000	
0058	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	87,361.000	87,361.000	
0060	310.0110	Base Aggregate Open-Graded	TON	2.000	2.000	
0062	311.0115	Breaker Run	CY	136.000	136.000	
0064	325.0100	Pulverize and Relay	SY	248,750.000	248,750.000	
0066	374.1020.S	QMP Pulverize and Relay Compaction	SY	248,750.000	248,750.000	
0068	416.0160	Concrete Driveway 6-Inch	SY	66.000	66.000	
0070	455.0605	Tack Coat	GAL	22,946.000	22,946.000	
0072	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	27,500.000	27,500.000	
0074	460.6223	HMA Pavement 3 MT 58-28 S	TON	25,556.000	25,556.000	
0076	460.6224	HMA Pavement 4 MT 58-28 S	TON	50,899.000	50,899.000	
0078	465.0105	Asphaltic Surface	TON	2,280.000	2,280.000	
0080	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	458.000	458.000	
0082	465.0315	Asphaltic Flumes	SY	171.000	171.000	
0084	465.0450	Asphaltic Intersection Rumble Strips	SY	75.000	75.000	
0086	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	56,750.000	56,750.000	
0088	502.4205	Adhesive Anchors No. 5 Bar	EACH	21.000	21.000	
0090	504.0100	Concrete Masonry Culverts	CY	235.000	235.000	
0092	504.0900	Concrete Masonry Endwalls	CY	4.000	4.000	
0094	505.0400	Bar Steel Reinforcement HS Structures	LB	25,040.000	25,040.000	
0096	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	5,940.000	5,940.000	
0098	516.0500	Rubberized Membrane Waterproofing	SY	48.000	48.000	

Line	Item	Item Description	Unit	Total	6170-00-70 Qty	6170-00-74 Qty
0100	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	2.000	2.000	
0102	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	36.000	36.000	
0104	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	174.000	174.000	
0106	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	10.000	10.000	
0108	520.1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	4.000	4.000	
0110	520.3324	Culvert Pipe Class III-A 24-Inch	LF	74.000	74.000	
0112	520.3430	Culvert Pipe Class III-A Non-metal 30-Inch	LF	158.000	158.000	
0114	520.4112	Culvert Pipe Class IV 12-Inch	LF	30.000	30.000	
0116	520.4115	Culvert Pipe Class IV 15-Inch	LF	630.000	630.000	
0118	520.4118	Culvert Pipe Class IV 18-Inch	LF	3,008.000	3,008.000	
0120	520.4124	Culvert Pipe Class IV 24-Inch	LF	164.000	164.000	
0122	520.8700	Cleaning Culvert Pipes	EACH	14.000	14.000	
0124	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	2.000	2.000	
0126	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	18.000	18.000	
0128	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	10.000	10.000	
0130	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	136.000	136.000	
0132	521.3136	Culvert Pipe Corrugated Steel 36-Inch	LF	20.000	20.000	
0134	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	178.000	178.000	
0136	522.0430	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	124.000	124.000	
0138	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	58.000	58.000	
0140	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	6.000	6.000	
0142	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	4.000	4.000	
0144	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000	
0146	522.2334	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	LF	178.000	178.000	
0148	522.2414	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 14x23-Inch	LF	322.000	322.000	
0150	522.2419	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	184.000	184.000	
0152	522.2424	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	104.000	104.000	
0154	522.2429	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	102.000	102.000	
0156	522.2614	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 14x23-Inch	EACH	12.000	12.000	
0158	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	6.000	6.000	
0160	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	4.000	4.000	
0162	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	6.000	6.000	
0164	522.2634	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 34x53-Inch	EACH	4.000	4.000	
0166	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	38.000	38.000	
0168	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	1,010.000	1,010.000	
0170	606.0300	Riprap Heavy	CY	27.000	27.000	
0172	611.8110	Adjusting Manhole Covers	EACH	10.000	10.000	
0174	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	2.000	2.000	
0176	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	21.000	21.000	
0178	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	1.000	1.000	
0180	614.2300	MGS Guardrail 3	LF	212.500	212.500	
0182	614.2340	MGS Guardrail 3 L	LF	450.000	450.000	
0184	614.2610	MGS Guardrail Terminal EAT	EACH	8.000	8.000	
0186	616.0700.S	Fence Safety	LF	150.000	150.000	
0188	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6170-00-70	EACH	1.000	1.000	
0190	618.0100	Maintenance And Repair of Haul Roads (project) 02. 6170-00-74	EACH	1.000		1.000
0192	619.1000	Mobilization	EACH	1.000	0.950	0.050
0194	621.0100	Landmark Reference Monuments	EACH	36.000	36.000	
0196	624.0100	Water	MGAL	3,086.000	3,086.000	

Line	Item	Item Description	Unit	Total	6170-00-70 Qty	6170-00-74 Qty
0198	625.0100	Topsoil	SY	360,150.000	333,400.000	26,750.000
0200	625.0105	Topsoil	CY	45.000	45.000	
0202	627.0200	Mulching	SY	307,380.000	295,900.000	11,480.000
0204	628.1504	Silt Fence	LF	82,700.000	77,200.000	5,500.000
0206	628.1520	Silt Fence Maintenance	LF	82,700.000	77,200.000	5,500.000
0208	628.1905	Mobilizations Erosion Control	EACH	15.000	15.000	
0210	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000	
0212	628.2004	Erosion Mat Class I Type B	SY	49,950.000	34,700.000	15,250.000
0214	628.2008	Erosion Mat Urban Class I Type B	SY	2,790.000	2,790.000	
0216	628.2039	Erosion Mat Class III Type D	SY	1,980.000	1,980.000	
0218	628.5505	Polyethylene Sheeting	SY	5,850.000	2,750.000	3,100.000
0220	628.7015	Inlet Protection Type C	EACH	1.000	1.000	
0222	628.7504	Temporary Ditch Checks	LF	6,675.000	6,300.000	375.000
0224	628.7515.S	Stone Ditch Checks	CY	50.000	50.000	
0226	628.7555	Culvert Pipe Checks	EACH	386.000	373.000	13.000
0228	628.7570	Rock Bags	EACH	860.000	860.000	
0230	629.0210	Fertilizer Type B	CWT	169.000	155.000	14.000
0232	630.0120	Seeding Mixture No. 20	LB	6,820.000	6,590.000	230.000
0234	630.0140	Seeding Mixture No. 40	LB	1,313.000	1,250.000	63.000
0236	630.0400	Seeding Nurse Crop	LB	120.000	20.000	100.000
0238	630.0500	Seed Water	MGAL	8,100.000	7,500.000	600.000
0240	633.5200	Markers Culvert End	EACH	50.000	50.000	
0242	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	64.000	64.000	
0244	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	170.000	170.000	
0246	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	16.000	16.000	
0248	637.0620	Sign Flags Permanent Type II	EACH	2.000	2.000	
0250	637.2210	Signs Type II Reflective H	SF	1,095.630	1,095.630	
0252	637.2230	Signs Type II Reflective F	SF	559.810	559.810	
0254	638.2102	Moving Signs Type II	EACH	6.000	6.000	
0256	638.2602	Removing Signs Type II	EACH	207.000	207.000	
0258	638.3000	Removing Small Sign Supports	EACH	240.000	240.000	
0260	642.5201	Field Office Type C 01. Field Office #1	EACH	1.000	1.000	
0262	642.5201	Field Office Type C 02. Field Office #2	EACH	1.000	1.000	
0264	643.0300	Traffic Control Drums	DAY	35,700.000	35,700.000	
0266	643.0420	Traffic Control Barricades Type III	DAY	14,880.000	14,880.000	
0268	643.0705	Traffic Control Warning Lights Type A	DAY	28,440.000	28,440.000	
0270	643.0900	Traffic Control Signs	DAY	65,855.000	65,855.000	
0272	643.0910	Traffic Control Covering Signs Type I	EACH	2.000	2.000	
0274	643.0920	Traffic Control Covering Signs Type II	EACH	7.000	7.000	
0276	643.1000	Traffic Control Signs Fixed Message	SF	72.000	72.000	
0278	643.5000	Traffic Control	EACH	1.000	0.950	0.050
0280	645.0105	Geotextile Type C	SY	472.000	472.000	
0282	645.0111	Geotextile Type DF Schedule A	SY	7.000	7.000	
0284	645.0120	Geotextile Type HR	SY	88.000	88.000	
0286	645.0130	Geotextile Type R	SY	150.000	150.000	
0288	646.1020	Marking Line Epoxy 4-Inch	LF	67,510.000	67,510.000	
0290	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	132,900.000	132,900.000	
0292	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	930.000	930.000	
0294	646.5020	Marking Arrow Epoxy	EACH	1.000	1.000	

Line	Item	Item Description	Unit	Total	6170-00-70 Qty	6170-00-74 Qty
0296	646.6120	Marking Stop Line Epoxy 18-Inch	LF	60.000	60.000	
0298	648.0100	Locating No-Passing Zones	MI	13.020	13.020	
0300	650.4500	Construction Staking Subgrade	LF	69,574.000	69,574.000	
0302	650.5000	Construction Staking Base	LF	71,521.000	71,521.000	
0304	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,094.000	1,094.000	
0306	650.6000	Construction Staking Pipe Culverts	EACH	40.000	40.000	
0308	650.6501	Construction Staking Structure Layout (structure) 01. C-69-01	EACH	1.000	1.000	
0310	650.6501	Construction Staking Structure Layout (structure) 02. C-69-17	EACH	1.000	1.000	
0312	650.6501	Construction Staking Structure Layout (structure) 03. C-69-18	EACH	1.000	1.000	
0314	650.9911	Construction Staking Supplemental Control (project) 01. 6170-00-70	EACH	1.000	1.000	
0316	650.9920	Construction Staking Slope Stakes	LF	71,521.000	71,521.000	
0318	653.0905	Removing Pull Boxes	EACH	1.000	1.000	
0320	690.0150	Sawing Asphalt	LF	1,397.000	1,397.000	
0322	690.0250	Sawing Concrete	LF	14.000	14.000	
0324	715.0502	Incentive Strength Concrete Structures	DOL	1,410.000	1,410.000	
0326	740.0440	Incentive IRI Ride	DOL	52,000.000	52,000.000	
0328	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000	
0330	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	4,800.000	4,800.000	
0332	SPV.0030	Special 01. Fertilizer for Lawn Type Turf	CWT	43.000	40.000	3.000
0334	SPV.0055	Special 01. Incentive Density PWL HMA Pavement	DOL	58,201.000	58,201.000	
0336	SPV.0055	Special 02. Incentive Air Voids HMA Pavement	DOL	76,445.000	76,445.000	
0338	SPV.0060	Special 01. Reestablish Section Corner Monuments	EACH	9.000	9.000	
0340	SPV.0060	Special 02. Mowing	EACH	60.000	60.000	
0342	SPV.0060	Special 03. Temporary Water Diversion C-69-17	EACH	1.000	1.000	
0344	SPV.0060	Special 04. Temporary Water Diversion C-69-18	EACH	1.000	1.000	
0346	SPV.0060	Special 05. Temporary Bypass Pumping STA 485+91	EACH	1.000	1.000	
0348	SPV.0060	Special 06. Temporary Bypass Pumping STA 532+65	EACH	1.000	1.000	
0350	SPV.0060	Special 07. Adjusting Water Valve Boxes	EACH	3.000	3.000	
0352	SPV.0060	Special 08. Adjusting Water Service Curb Stops	EACH	7.000	7.000	
0354	SPV.0060	Special 09. HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000	
0356	SPV.0060	Special 10. HMA Percent Within Limits (PWL) Test Strip Density	EACH	3.000	3.000	
0358	SPV.0085	Special 01. Seeding Mixture No. 85A	LB	31.000		31.000
0360	SPV.0085	Special 02. Seeding Mixture No. 95A	LB	4.000	4.000	
0362	SPV.0170	Special 01. Mix & Compact Subgrade Cuts	STA	10.000		10.000
0364	SPV.0180	Special 01. Preparing Topsoil for Lawn Type Turf	SY	67,320.000	62,980.000	4,340.000

ITEMS ARE FOR PROJECT ID 6170-00-70 UNLESS OTHERWISE NOTED

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CLEARING & GRUBBING

PROJECT ID	CATEGORY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
6170-00-70	0010			9+22	LT	-	6	-	6
6170-00-70	0010			9+37	LT	-	6	-	6
6170-00-70	0010			9+66	LT	-	6	-	6
6170-00-70	0010	100+00	-	101+00	RT	1	-	1	-
6170-00-70	0010	104+70	-	105+60	LT	2	-	2	-
6170-00-70	0010	140+25	-	142+00	RT	2	-	2	-
6170-00-70	0010	146+50	-	150+75	RT	5	-	5	-
6170-00-70	0010	177+50	-	178+50	LT	2	-	2	-
6170-00-70	0010	182+75	-	184+40	RT	2	-	2	-
6170-00-70	0010	192+60	-	198+40	LT & RT	7	-	7	-
6170-00-70	0010	215+50	-	218+50	RT	4	-	4	-
6170-00-70	0010	250+00	-	252+00	RT	2	-	2	-
6170-00-70	0010	272+70	-	275+25	RT	3	-	3	-
6170-00-70	0010	299+00	-	301+25	LT	3	-	3	-
6170-00-70	0010	307+25	-	313+00	LT & RT	6	-	6	-
6170-00-70	0010			331+35	LT	-	6	-	6
6170-00-70	0010	332+75	-	333+20	LT	1	-	1	-
6170-00-70	0010	339+00	-	340+00	RT	1	-	1	-
6170-00-70	0010			359+31	LT	-	12	-	12
6170-00-70	0010			359+61	RT	-	6	-	6
6170-00-70	0010			359+75	RT	-	6	-	6
6170-00-70	0010	383+20	-	384+40	LT & RT	2	-	2	-
6170-00-70	0010	388+25	-	388+80	RT	1	-	1	-
6170-00-70	0010	413+00	-	413+75	RT	1	-	1	-
6170-00-70	0010	432+50	-	436+35	LT & RT	5	-	5	-
6170-00-70	0010	438+15	-	439+80	LT & RT	2	-	2	-
6170-00-70	0010	446+45	-	449+20	LT	4	-	4	-
6170-00-70	0010	455+90	-	458+40	RT	4	-	4	-
6170-00-70	0010	459+05	-	463+80	LT & RT	5	-	5	-
6170-00-70	0010			481+65	RT	-	18	-	18
6170-00-70	0010			481+73	RT	-	18	-	18
6170-00-70	0010			528+61	RT	-	12	-	12
6170-00-70	0010			543+42	RT	-	12	-	12
6170-00-70	0010			565+74	LT	-	24	-	24
6170-00-70	0010			566+27	LT	-	24	-	24
6170-00-70	0010			566+40	LT	-	18	-	18
6170-00-70	0010			566+66	LT	-	12	-	12
6170-00-70	0010			566+80	LT	-	24	-	24
6170-00-70	0010	613+65	-	616+60	LT	3	-	3	-
6170-00-70	0010	639+50	-	641+50	LT	3	-	3	-
6170-00-70	0010	646+55	-	648+65	LT & RT	3	-	3	-
6170-00-70	0010	649+75	-	654+05	LT	6	-	6	-
6170-00-70	0010			658+63	RT	-	12	-	12
6170-00-70	0010	660+10	-	660+50	LT	1	-	1	-
6170-00-70	0010			677+92	RT	-	24	-	24
6170-00-70	0010			11+09"D"	LT	-	24	-	24
6170-00-70	0010	8+60"G"	-	9+25"G"	RT	2	-	2	-
6170-00-70	0010			9+39"K"	RT	-	12	-	12
6170-00-70	0010			9+44"K"	RT	-	12	-	12
6170-00-70	0010	10+90"L"	-	11+60"L"	LT	2	-	2	-
			PROJECT	6170-00-70	TOTAL 0010	85	294	85	294
6170-00-74	0010	227+85	-	235+80	LT & RT	9	-	9	-
6170-00-74	0010			10+62"I"	RT	-	24	-	24
			PROJECT	6170-00-74	TOTAL 0010	9	24	9	24

204.0100 REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	LOCATION	SY	REMARKS
0010	36+95	RT	66	DRIVEWAY
0010	681+05	RT	40	RUMBLE STRIP
0010	687+70	RT	27	RUMBLE STRIP
0010	691+00	RT	40	RUMBLE STRIP
		TOTAL 0010	173	

204.0110 REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	LOCATION	SY	REMARKS
0010	5+94	LT	46	DRIVEWAY
0010	6+34	RT	63	DRIVEWAY
0010	7+91	LT	41	DRIVEWAY
0010	8+37	RT	98	DRIVEWAY
0010	10+00	LT	40	DRIVEWAY
0010	10+58	RT	40	DRIVEWAY
0010	12+56	LT	60	DRIVEWAY
0010	14+61	LT	47	DRIVEWAY
0010	20+97	LT	54	DRIVEWAY
0010	22+10	LT	77	DRIVEWAY
0010	23+48	LT	77	DRIVEWAY
0010	24+68	LT	72	DRIVEWAY
0010	25+56	LT	74	DRIVEWAY
0010	35+91	RT	58	DRIVEWAY
0010	80+60	LT	44	DRIVEWAY
0010	171+78	LT	221	DRIVEWAY
0010	191+29	RT	59	DRIVEWAY
0010	220+08	LT	29	DRIVEWAY
0010	296+68	RT	75	DRIVEWAY
0010	299+07	RT	100	DRIVEWAY
0010	302+99	RT	93	DRIVEWAY
0010	528+36	LT	171	DRIVEWAY
0010	537+53	RT	122	DRIVEWAY
0010	562+72	LT	61	DRIVEWAY
0010	566+04	LT	74	DRIVEWAY
0010	569+46	LT	51	DRIVEWAY
0010	570+98	LT	48	DRIVEWAY
0010	588+66	LT	35	DRIVEWAY
0010	602+99	LT	54	DRIVEWAY
0010	619+29	RT	196	DRIVEWAY
0010	622+52	RT	120	DRIVEWAY
0010	642+58	RT	83	DRIVEWAY
0010	665+75	RT	58	DRIVEWAY
0010	671+25	RT	53	DRIVEWAY
0010	689+04	LT	137	DRIVEWAY
		TOTAL 0010	2,731	

ITEMS ARE FOR PROJECT ID 6170-00-70 UNLESS OTHERWISE NOTED

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CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	REMARKS
0010	9+50"A"	-	9+80"A"	RT	40	MADISON ST RADIUS
0010	10+24"D"	-	10+81"D"	LT&RT	130	INDUSTRIAL ST RADII
0010	9+28"I"	-	9+82"I"	LT&RT	150	CTH B SOUTH RADII
0010	9+17"K"	-	9+81"K"	LT&RT	160	CTH II RADII
0010	9+26"N"	-	9+81"N"	LT&RT	140	CTH Y NORTH RADII
0010	10+17"P"	-	10+72"P"	LT&RT	160	CTH T RADII
0010	9+00"R"	-	9+50"R"	LT&RT	100	OAKDALE CT
				TOTAL 0010	880	

CATEGORY	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	9+97	RT	2
		TOTAL 0010	2

CATEGORY	STATION	TO	STATION	LOCATION	204.0170 REMOVING FENCE LF
0010	204+90	-	207+00	LT	210
0010	251+50	-	252+00	LT	50
0010	396+90	-	398+10	LT	120
0010	532+50	-	533+50	LT	100
0010	564+75	-	566+60	LT	185
0010	9+00"M"	-	9+14"M"	LT	14
0010	9+12"Q"	-	9+20"Q"	LT	16
				TOTAL 0010	695

CATEGORY	STATION	TO	STATION	LOCATION	204.0180 REMOVING DELINEATORS AND MARKERS EACH	REMARKS
0010			8+85	LT&RT	2	CULVERT
0010			17+95	LT&RT	2	CULVERT
0010			63+22	LT&RT	2	CULVERT
0010			75+67	LT&RT	2	CULVERT
0010			88+08	LT&RT	2	CULVERT
0010	147+00	-	149+00	RT	2	STEEP SLOPES
0010			148+04	LT&RT	2	CULVERT
0010			162+52	LT&RT	2	CULVERT
0010			187+00	LT&RT	2	CULVERT
0010	193+00	-	198+00	LT&RT	9	STEEP SLOPES
0010			196+64	LT&RT	2	CULVERT
0010	207+00	-	210+00	RT	4	STEEP SLOPES
0010			251+76	LT&RT	2	CULVERT
0010			276+27	LT&RT	2	CULVERT
0010			285+40	LT&RT	2	CULVERT
0010	307+00	-	313+00	LT&RT	10	STEEP SLOPES
0010			353+35	LT&RT	2	CULVERT
0010			359+78	LT&RT	2	CULVERT
0010			423+84	LT&RT	2	CULVERT
0010			431+85	LT&RT	2	CULVERT
0010	434+00	-	439+00	LT&RT	15	STEEP SLOPES
0010			449+95	LT&RT	2	CULVERT
0010			457+76	LT&RT	2	CULVERT
0010			472+86	LT&RT	2	CULVERT
0010			485+92	LT&RT	2	CULVERT
0010			504+77	LT&RT	2	CULVERT
0010	520+00	-	522+00	LT&RT	2	STEEP SLOPES
0010			532+95	LT&RT	2	CULVERT
0010			567+09	LT&RT	2	CULVERT
0010			598+50	LT&RT	2	CULVERT
0010			626+59	LT&RT	2	CULVERT
0010			641+86	LT&RT	2	CULVERT
				TOTAL 0010	94	

CATEGORY	STATION	LOCATION	204.9060.S.01 REMOVING VANE DRAIN EACH
0010	9+46"O"	LT & RT	1
		TOTAL 0010	1

CATEGORY	STATION	LOCATION	204.9060.S.02 REMOVING LANDSCAPING PLANTER EACH
0010	9+52	LT	1
		TOTAL 0010	1

CATEGORY	STATION	LOCATION	204.9060.S.03 REMOVING WOODEN SIGN EACH	REMARKS
0010	657+09	LT	1	"DEER WOOD" SIGN
		TOTAL 0010	1	

ATR REMOVAL ITEMS

CATEGORY	STATION	LOCATION	204.9090.S.01 REMOVING ATR LOOP DETECTION SYSTEM LF	653.0905 REMOVING PULL BOXES EACH
0010	268+78	LT & RT	120	1
		TOTAL 0010	120	1

EARTHWORK SUMMARY

PROJECT	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (CY) (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (CY)(3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (CY)	AVAILABLE MATERIAL (CY) (4)	REDUCED EBS IN FILL (CY) (5) FACTOR 0.80	EXPANDED EBS BACKFILL (CY) (6) FACTOR 1.30	UNEXPANDED FILL (CY)	EXPANDED FILL (CY) (7) FACTOR 1.25	MASS ORDINATE +/- (8)	WASTE (CY) (9)	COMMENT
6170-00-70	04+93/220+00	STH 21	8,381	0	0	8,381	0	0	28,340	35,425	-27,044		
6170-00-70	245+00/692+51	STH 21	19,193	0	0	19,193	0	0	37,059	46,324	-27,131		
6170-00-70	09+50/09+75	MADISON ST	0	0	0	0	0	0	2	3	-3		
6170-00-70	08+50/09+75	LINDEN ST	0	0	0	0	0	0	0	0	0		
6170-00-70	08+70/09+75	SLATER ST	0	0	0	0	0	0	25	31	-31		
6170-00-70	10+25/10+90	CTH FF	42	0	0	42	0	0	0	0	42		
6170-00-70	10+25/11+80	INDUSTRIAL ST	4	0	0	4	0	0	17	21	-17		
6170-00-70	10+25/11+00	6TH AVE	1	0	0	1	0	0	0	0	1		
6170-00-70	10+25/11+10	CREE AVE	0	0	0	0	0	0	4	5	-5		
6170-00-70	08+60/09+75	7TH DR	0	0	0	0	0	0	24	30	-30		
6170-00-70	10+25/11+00	CTH GG	47	0	0	47	0	0	4	5	42		
6170-00-70	09+00/09+75	9TH ST S	2	0	0	2	0	0	0	0	2		
6170-00-70	10+25/11+00	9TH ST N	4	0	0	4	0	0	0	0	4		
6170-00-70	10+25/11+30	11TH DR	122	0	0	122	0	0	36	45	77		
6170-00-70	08+50/09+75	CTH II	24	0	0	24	0	0	16	20	4		
6170-00-70	10+25/12+00	COTTONVILLE CT	52	0	0	52	0	0	102	128	-76		
6170-00-70	09+00/09+75	COTTONVILLE AVE	34	0	0	34	0	0	9	11	23		
6170-00-70	09+00/09+75	CTH Y N	16	0	0	16	0	0	16	20	-4		
6170-00-70	08+70/09+75	13TH AVE	6	0	0	6	0	0	15	19	-13		
6170-00-70	10+25/11+00	CTH T	29	0	0	29	0	0	23	29	0		
6170-00-70	08+70/09+75	CTH Y S	54	0	0	54	0	0	5	6	48		
6170-00-70	09+00/09+75	OAKDALE CT	0	0	0	0	0	0	9	11	-11		
6170-00-70	10+25/11+10	16TH AVE	0	0	0	0	0	0	12	15	-15		
6170-00-70	10+25/11+00	BUCKHORN CIR	0	0	0	0	0	0	0	0	0		
6170-00-70	08+70/09+75	BIRD AVE	0	0	0	0	0	0	2	3	-3		
6170-00-70	VARIES	STH 21 CULV REPLACEMENTS	4,900	0	840	4,060	0	0	3,300	4,125	-65		Assumed excavated material could be used for trench backfill
6170-00-70 TOTAL			32,911	0	840	32,071	0	0	69,020	86,275	-54,204		
6170-00-74	220+00/245+00	STH 21	74,581	5,075	1,522	73,059	4,060	6,598	524	-4,420	70,882		
6170-00-74	06+50/12+00	CTH B	945	0	147	798	0	0	270	338	461		
6170-00-74 TOTAL			75,526	5,075	1,669	73,857	4,060	6,598	794	-4,083	71,342		
CONTRACT TOTAL			108,437	5,075	2,509	105,928	4,060	6,598	69,814	82,193	17,138	17,138	
		TOTAL COMMON EXC	113,512										

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT.

(4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL

(5) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80

(6) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH GRANULAR MATERIAL EXCAVATED FROM THE PROJECT. EBS BACKFILL FACTOR = 1.30.

(7) EXPANDED FILL = (UNEXPANDED FILL - REDUCED EBS) * FILL FACTOR. EXPANDED FILL FACTOR = 1.25

(8) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE CONTRACT. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE OVERALL CONTRACT, MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE OVERALL CONTRACT.

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

ITEMS ARE FOR PROJECT ID 6170-00-70 UNLESS OTHERWISE NOTED

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DRIVEWAY ITEMS

CATEGORY	STATION	LOCATION	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0160 CONCRETE DRIVEWAY 6-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	REMARKS
0010	5+94	LT	-	3	-	8	
0010	6+34	RT	-	4	-	11	
0010	7+91	LT	-	3	-	7	
0010	8+37	RT	-	7	-	16	
0010	10+00	LT	-	3	-	7	
0010	10+20	RT	5	-	-	-	
0010	10+58	RT	-	3	-	7	
0010	11+64	LT	5	-	-	-	
0010	12+06	LT	5	-	-	-	
0010	12+56	LT	-	4	-	10	
0010	14+61	LT	-	3	-	8	
0010	20+97	LT	-	4	-	9	
0010	22+10	LT	-	5	-	13	
0010	23+48	LT	-	5	-	13	
0010	24+68	LT	-	5	-	12	
0010	25+33	RT	30	-	-	-	
0010	25+56	LT	-	5	-	12	
0010	26+48	LT	14	-	-	-	
0010	27+65	LT	14	-	-	-	
0010	35+91	RT	-	4	-	10	
0010	37+01	RT	-	-	66	-	
0010	44+38	LT	17	-	-	-	
0010	51+04	RT	21	-	-	-	
0010	10+55"E"	RT	8	-	-	-	
0010	58+79	RT	8	-	-	-	
0010	67+68	RT	13	-	-	-	
0010	71+24	LT	9	-	-	-	
0010	80+60	LT	-	3	-	7	
0010	98+35	RT	10	-	-	-	
0010	99+00	LT	9	-	-	-	
0010	106+22	RT	12	-	-	-	
0010	107+96	RT	14	-	-	-	
0010	124+59	LT	9	-	-	-	
0010	130+35	LT	4	-	-	-	
0010	136+27	RT	6	-	-	-	
0010	148+96	LT	23	-	-	-	
0010	158+20	RT	13	-	-	-	
0010	159+88	LT	7	-	-	-	
0010	166+20	RT	30	-	-	-	
0010	166+42	LT	8	-	-	-	
0010	171+78	LT	-	15	-	37	
0010	179+72	RT	13	-	-	-	
0010	191+29	RT	-	4	-	10	
0010	191+30	LT	6	-	-	-	
0010	214+15	RT	3	-	-	-	ICE AGE TRAIL
0010	214+15	LT	3	-	-	-	ICE AGE TRAIL
0010	220+08	LT	-	2	-	5	
		SUBTOTAL	319	82	66	202	

* ITEM IS INCLUDED IN OTHER MISC QUANTITY TABLES

DRIVEWAY ITEMS CONTINUED

CATEGORY	STATION	LOCATION	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0160 CONCRETE DRIVEWAY 6-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
0010	222+44	RT	11	-	-	-
0010	225+11	LT	17	-	-	-
0010	244+03	LT	21	-	-	-
0010	253+28	LT	6	-	-	-
0010	257+91	RT	6	-	-	-
0010	275+35	RT	10	-	-	-
0010	278+24	RT	9	-	-	-
0010	280+19	LT	6	-	-	-
0010	281+70	RT	8	-	-	-
0010	281+77	LT	8	-	-	-
0010	292+07	RT	10	-	-	-
0010	296+68	RT	-	5	-	13
0010	299+07	RT	-	7	-	17
0010	302+99	RT	-	6	-	16
0010	316+11	LT	11	-	-	-
0010	320+20	RT	11	-	-	-
0010	334+09	LT	7	-	-	-
0010	340+62	RT	6	-	-	-
0010	344+66	LT	9	-	-	-
0010	353+65	RT	7	-	-	-
0010	353+67	LT	6	-	-	-
0010	366+04	RT	6	-	-	-
0010	366+10	LT	7	-	-	-
0010	373+66	LT	6	-	-	-
0010	373+78	RT	7	-	-	-
0010	377+94	LT	6	-	-	-
0010	388+45	RT	15	-	-	-
0010	396+34	LT	10	-	-	-
0010	401+70	RT	3	-	-	-
0010	404+04	LT	5	-	-	-
0010	405+54	RT	9	-	-	-
0010	410+94	RT	7	-	-	-
0010	428+08	RT	19	-	-	-
0010	429+75	LT	11	-	-	-
0010	458+06	LT	11	-	-	-
0010	467+32	LT	12	-	-	-
0010	467+33	RT	10	-	-	-
0010	471+86	RT	5	-	-	-
0010	477+82	RT	7	-	-	-
0010	482+00	RT	16	-	-	-
0010	482+06	LT	10	-	-	-
0010	495+39	RT	5	-	-	-
0010	496+07	LT	5	-	-	-
0010	504+51	LT	2	-	-	-
0010	504+52	RT	2	-	-	-
0010	524+88	LT	5	-	-	-
0010	526+03	LT	9	-	-	-
0010	528+36	LT	-	12	-	29
		SUBTOTAL	379	30	0	75

DRIVEWAY ITEMS CONTINUED

CATEGORY	STATION	LOCATION	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0160 CONCRETE DRIVEWAY 6-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
0010	528+79	RT	7	-	-	-
0010	537+53	RT	-	8	-	20
0010	542+26	LT	8	-	-	-
0010	554+66	LT	8	-	-	-
0010	556+04	RT	15	-	-	-
0010	558+91	LT	7	-	-	-
0010	562+72	LT	-	4	-	10
0010	563+00	RT	7	-	-	-
0010	566+04	LT	-	5	-	12
0010	566+17	RT	5	-	-	-
0010	569+46	LT	-	4	-	9
0010	570+98	LT	-	3	-	8
0010	574+15	RT	8	-	-	-
0010	574+85	LT	6	-	-	-
0010	575+64	LT	4	-	-	-
0010	582+47	LT	11	-	-	-
0010	582+56	RT	13	-	-	-
0010	588+66	LT	-	2	-	4
0010	602+99	LT	-	4	-	9
0010	606+23	LT	8	-	-	-
0010	608+20	RT	9	-	-	-
0010	614+82	RT	8	-	-	-
0010	619+29	RT	-	14	-	33
0010	622+52	RT	-	8	-	20
0010	623+34	LT	11	-	-	-
0010	625+10	RT	18	-	-	-
0010	631+86	LT	25	-	-	-
0010	632+33	RT	14	-	-	-
0010	636+29	RT	7	-	-	-
0010	642+58	RT	-	6	-	14
0010	653+58	RT	6	-	-	-
0010	655+16	RT	8	-	-	-
0010	656+00	RT	11	-	-	-
0010	658+80	RT	8	-	-	-
0010	660+36	RT	5	-	-	-
0010	661+53	LT	7	-	-	-
0010	663+27	LT	7	-	-	-
0010	664+31	RT	7	-	-	-
0010	665+75	RT	-	4	-	10
0010	666+88	RT	9	-	-	-
0010	671+24	RT	-	4	-	9
0010	674+77	RT	6	-	-	-
0010	678+64	RT	5	-	-	-
0010	689+04	LT	-	10	-	23
0010	691+21	RT	6	-	-	-
		SUBTOTAL	284	76	0	181
		TOTAL 0010	982	188	66	458

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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	MISCELLANEOUS QUANTITIES	SHEET 141	E

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BASE COURSE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	REMARKS
0010	4+93	-	111+00	LT&RT	1,090	12,260	
0010	111+00	-	220+00	LT&RT	1,180	12,950	
0010	220+00	-	245+00	LT&RT	310	10,450	
0010	245+00	-	355+00	LT&RT	4,410	11,990	
0010	355+00	-	465+00	LT&RT	4,340	11,800	
0010	465+00	-	575+00	LT&RT	4,330	11,800	
0010	575+00	-	692+51	LT&RT	3,270	13,320	
0010	8+50"B"	-	9+79"B"	LT&RT	34	-	
0010	8+70"C"	-	9+79"C"	LT&RT	31	-	
0010	10+20"C"	-	10+90"C"	LT&RT	24	64	
0010	10+65"D"	-	11+80"D"	LT&RT	28	-	
0010	10+21"E"	-	11+00"E"	LT&RT	25	-	
0010	10+21"F"	-	11+10"F"	LT&RT	29	-	
0010	8+60"G"	-	9+80"G"	LT&RT	31	-	
0010	10+20"G"	-	11+00"G"	LT&RT	27	130	
0010	9+00"H"	-	9+79"H"	LT&RT	26	-	
0010	10+21"H"	-	11+00"H"	LT&RT	24	-	
0010	6+50"I"	-	9+76"I"	LT&RT	55	670	
0010	10+20"I"	-	12+00"I"	LT&RT	26	410	
0010	10+20"J"	-	11+30"J"	LT&RT	32	-	
0010	9+77"K"	-	8+50"K"	LT&RT	20	86	
0010	10+20"L"	-	12+00"L"	LT&RT	53	-	
0010	9+00"M"	-	9+80"M"	LT&RT	24	-	
0010	9+00"N"	-	9+79"N"	LT&RT	7	79	
0010	8+70"O"	-	9+80"O"	LT&RT	35	-	
0010	10+20"P"	-	11+00"P"	LT&RT	8	74	
0010	8+70"Q"	-	9+80"Q"	LT&RT	35	140	
0010	9+50"R"	-	9+80"R"	LT&RT	10	-	
0010	10+20"S"	-	11+10"S"	LT&RT	27	-	
0010	10+20"T"	-	11+00"T"	LT&RT	26	-	
0010	8+70"U"	-	9+80"U"	LT&RT	32	-	
0010			12+00"H"	RT	240	950	DNR PARKING AREA
				TOTAL 0010	19,839	87,173	

* ITEM IS INCLUDED IN OTHER MISC QUANTITY TABLES

ASPHALT ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	325.0100 PULVERIZE AND RELAY SY	** PULVERIZED WASTE MATERIAL CY	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON
0010	4+93	-	111+00	LT&RT	43,360	230	3,710	3,880	8,500	260
0010	111+00	-	220+00	LT&RT	43,830	150	3,680	3,750	8,590	130
0010	220+00	-	245+00	LT&RT	-	-	890	1,280	1,980	-
0010	245+00	-	355+00	LT&RT	36,730	410	3,310	3,710	7,200	390
0010	355+00	-	465+00	LT&RT	37,140	430	3,360	3,780	7,280	520
0010	465+00	-	575+00	LT&RT	37,010	440	3,350	3,790	7,250	390
0010	575+00	-	692+51	LT&RT	42,950	370	3,790	4,130	8,420	260
0010	9+50"A"	-	9+79"A"	LT&RT	140	10	13	17	26	-
0010	8+50"B"	-	9+79"B"	LT&RT	480	30	48	61	94	-
0010	8+70"C"	-	9+79"C"	LT&RT	270	10	27	34	53	-
0010	10+20"C"	-	10+90"C"	LT&RT	320	20	32	40	62	30
0010	10+22"D'	-	11+80"D"	LT&RT	750	60	75	94	150	-
0010	10+21"E"	-	11+00"E"	LT&RT	280	20	28	35	54	-
0010	10+21"F"	-	11+10"F"	LT&RT	320	30	32	41	64	-
0010	8+60"G"	-	9+80"G"	LT&RT	330	20	33	42	65	-
0010	10+20"G"	-	11+00"G"	LT&RT	330	30	33	41	64	-
0010	9+00"H"	-	9+79"H"	LT&RT	240	10	24	30	47	-
0010	10+21"H"	-	11+00"H"	LT&RT	240	20	24	31	48	30
0010	6+50"I"	-	9+76"I"	LT&RT	-	-	51	160	99	-
0010	10+20"I"	-	12+00"I"	LT&RT	-	-	33	100	64	-
0010	10+20"J"	-	11+30"J"	LT&RT	270	20	27	34	53	-
0010	9+77"K"	-	8+50"K"	LT&RT	460	30	46	59	91	30
0010	10+20"L"	-	12+00"L"	LT&RT	570	20	57	72	110	30
0010	9+00"M"	-	9+80"M"	LT&RT	210	10	21	27	42	30
0010	9+00"N"	-	9+79"N"	LT&RT	340	20	34	42	66	-
0010	8+70"O"	-	9+80"O"	LT&RT	440	20	44	55	86	-
0010	10+20"P"	-	11+00"P"	LT&RT	320	30	32	41	63	30
0010	8+70"Q"	-	9+80"Q"	LT&RT	390	30	39	50	77	30
0010	9+00"R"	-	9+80"R"	LT&RT	190	10	19	24	38	30
0010	10+20"S"	-	11+10"S"	LT&RT	280	20	28	35	54	30
0010	10+20"T"	-	11+00"T"	LT&RT	310	30	31	39	60	30
0010	8+70"U"	-	9+80"U"	LT&RT	250	20	25	32	49	30
				TOTAL 0010	248,750	2,550	22,946	25,556	50,899	2,280

**FOR INFORMATIONAL PURPOSES ONLY. INCIDENTAL TO PULVERIZE AND RELAY ITEM

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PWL Table

Location	Station	Mixture Use	Underlying Surface	Bid Item	Tons	Thickness	Quality Management Program to be used for:	
							Mixture Acceptance	Density Acceptance
12 ft Driving Lanes	4+93 - 220+00, 245+00 - 692+51	Upper Layer	4 MT 58-28 S	HMA Pavement 4 MT 58-28 S	17315	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Incentive Density PWL HMA Pavement SPV.0055.01
12 ft Driving Lanes	4+93 - 220+00, 245+00 - 692+51	Middle Layer	3 MT 58-28 S	HMA Pavement 4 MT 58-28 S	17315	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Incentive Density PWL HMA Pavement SPV.0055.01
12 ft Driving Lanes	4+93 - 220+00, 245+00 - 692+51	Lower Layer	Pulverized Asphalt	HMA Pavement 3 MT 58-28 S	22263	2 1/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Incentive Density PWL HMA Pavement SPV.0055.01
3 ft or 6 ft Shoulders	4+93 - 220+00, 245+00 - 692+51	Upper Layer	4 MT 58-28 S	HMA Pavement 4 MT 58-28 S	6018	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Acceptance testing by the department; Not eligible for incentive or disincentive
3 ft or 6 ft Shoulders	4+93 - 220+00, 245+00 - 692+51	Lower Layer	Pulverized Asphalt	HMA Pavement 4 MT 58-28 S	6018	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Acceptance testing by the department; Not eligible for incentive or disincentive
12 ft Driving Lanes	220+00 - 245+00	Upper Layer	4 MT 58-28 S	HMA Pavement 4 MT 58-28 S	654	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Incentive Density PWL HMA Pavement SPV.0055.01
12 ft Driving Lanes	220+00 - 245+00	Middle Layer	3 MT 58-28 S	HMA Pavement 4 MT 58-28 S	654	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Incentive Density PWL HMA Pavement SPV.0055.01
12 ft Driving Lanes	220+00 - 245+00	Lower Layer	BAD 1 1/4-inch	HMA Pavement 3 MT 58-28 S	1120	3"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Incentive Density PWL HMA Pavement SPV.0055.01*
3 ft or 6 ft Shoulders	220+00 - 245+00	Upper Layer	4 MT 58-28 S	HMA Pavement 4 MT 58-28 S	284	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Acceptance testing by the department; Not eligible for incentive or disincentive
3 ft or 6 ft Shoulders	220+00 - 245+00	Lower Layer	BAD 1 1/4-inch	HMA Pavement 4 MT 58-28 S	284	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Acceptance testing by the department; Not eligible for incentive or disincentive
CTH B Driving Lanes	6+52"I" - 9+17"I", 10+80"I" - 12+00"I"	Upper Layer	3 MT 58-28 S	HMA Pavement 4 MT 58-28 S	92	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Acceptance testing by the department; Not eligible for incentive or disincentive
CTH B Driving Lanes	6+52"I" - 9+17"I", 10+80"I" - 12+00"I"	Lower Layer	BAD 1 1/4-inch	HMA Pavement 3 MT 58-28 S	145	2 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Acceptance testing by the department; Not eligible for incentive or disincentive
Intersections/Side Roads	Varies	Upper Layer	4 MT 58-28 S	HMA Pavement 4 MT 58-28 S	1128	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Acceptance testing by the department; Not eligible for incentive or disincentive
Intersections/Side Roads	Varies	Middle Layer	3 MT 58-28 S	HMA Pavement 4 MT 58-28 S	1128	1 3/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Acceptance testing by the department; Not eligible for incentive or disincentive
Intersections/Side Roads	Varies	Lower Layer	Pulverized Asphalt	HMA Pavement 3 MT 58-28 S	2028	2 1/4"	PWL Incentive Air Voids HMA Pavement SPV.0055.02	Acceptance testing by the department; Not eligible for incentive or disincentive
Culvert Replacements	Varies	Culvert Patches	BAD 1 1/4-inch	Asphaltic Surface	2280	6 1/2"	QMP per SS 465	Acceptance by ordinary compaction

*The density of the lower layer at this location will be accepted by cores as described in the HMA Pavement Percent within Limits (PWL) QMP due to the underlying surface being different than the test strip.

3

465.0315
ASPHALTIC FLUMES

CATEGORY	STATION	LOCATION	SY	REMARKS
0010	9+58"A"	RT	10	MADISON ST SE RADIUS
0010	10+65"D"	LT	18	INDUSTRIAL ST NW RADIUS
0010	10+80"D"	RT	11	INDUSTRIAL ST NE RADIUS
0010	39+03	LT	18	INDUSTRIAL ST NE RADIUS
0010	9+16"I"	LT	11	CTH B SW RADIUS
0010	9+37"I"	RT	10	CTH B SE RADIUS
0010	239+00	RT	12	CTH B SE RADIUS
0010	10+60"I"	LT	7	CTH B NW RADIUS
0010	239+20	LT	13	CTH B NE RADIUS
0010	9+11"K"	LT	7	CTH II SW RADIUS
0010	9+40"K"	RT	9	CTH II SE RADIUS
0010	515+13	LT	9	CTH Y NW RADIUS
0010	516+30	LT	8	CTH Y NE RADIUS
0010	10+60"P"	LT	8	CTH T NW RADIUS
0010	10+79"P"	RT	8	CTH T NE RADIUS
0010	9+47"R"	LT	6	OAKDALE CT WEST CURB
0010	9+47"R"	RT	6	OAKDALE CT EAST CURB
		TOTAL 0010	171	

465.0450
ASPHALTIC INTERSECTION RUMBLE STRIPS

CATEGORY	STATION	LOCATION	SY
0010	683+85	RT	25
0010	687+35	RT	25
0010	689+60	RT	25
		TOTAL 0010	75

465.0475
ASPHALT CENTERLINE RUMBLE STRIPS 2-LANE RURAL

CATEGORY	STATION	TO	STATION	LOCATION	LF
0010	4+93	-	111+00	LT&RT	6,400
0010	111+00	-	220+00	LT&RT	9,700
0010	220+00	-	245+00	LT&RT	2,100
0010	245+00	-	355+00	LT&RT	10,600
0010	355+00	-	465+00	LT&RT	10,200
0010	465+00	-	575+00	LT&RT	9,000
0010	575+00	-	692+51	LT&RT	8,750
				TOTAL 0010	56,750

CURB & GUTTER ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	REMARKS
0010	9+50"A"	-	9+80"A"	RT	38	-	MADISON ST RADII
0010	10+24"D"	-	10+81"D"	LT&RT	-	140	INDUSTRIAL ST RADII
0010	9+16"I"	-	9+76"I"	LT&RT	-	150	CTH B SOUTH RADII
0010	10+20"I"	-	10+80"I"	LT&RT	-	150	CTH B NORTH RADII
0010	9+10"K"	-	9+77"K"	LT&RT	-	160	CTH II RADII
0010	9+23"N"	-	9+80"N"	LT&RT	-	160	CTH Y NORTH RADII
0010	10+20"P"	-	10+80"P"	LT&RT	-	150	CTH T RADII
0010	9+00"R"	-	9+50"R"	LT&RT	-	100	OAKDALE CT
				TOTAL 0010	38	1,010	

612.0806
APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH

CATEGORY	STATION	LOCATION	EACH
0010	216+47	LT	1
		TOTAL 0010	1

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DRIVEWAY CULVERT ITEMS

CATEGORY	STATION	LOCATION	* 203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0185 REMOVING MASONRY CY	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	520.1015 APRON ENDWALLS FOR CULVERT PIPE 15-INCH EACH	* 520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	* 520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.4112 CULVERT PIPE CLASS IV 12-INCH LF	520.4115 CULVERT PIPE CLASS IV 15-INCH LF	* 520.4118 CULVERT PIPE CLASS IV 18-INCH LF	520.4124 CULVERT PIPE CLASS IV 24-INCH LF	* 522.2429 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	* 522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH EACH
0010	5+94	LT	1	-	-	-	2	-	-	-	28	-	-	-
0010	6+34	RT	2	2	-	-	-	-	-	-	-	-	18	2
0010	7+91	LT	1	-	-	-	2	-	-	-	28	-	-	-
0010	8+37	RT	2	3	-	-	-	-	-	-	-	-	26	2
0010	10+00	LT	1	-	-	2	-	-	-	28	-	-	-	-
0010	10+20	RT	1	-	-	2	-	-	-	24	-	-	-	-
0010	10+58	RT	1	-	-	2	-	-	-	22	-	-	-	-
0010	11+64	LT	1	-	-	2	-	-	-	34	-	-	-	-
0010	12+06	LT	1	-	-	2	-	-	-	30	-	-	-	-
0010	12+56	LT	1	-	-	2	-	-	-	32	-	-	-	-
0010	14+61	LT	1	-	-	2	-	-	-	34	-	-	-	-
0010	20+97	LT	1	-	-	2	-	-	-	30	-	-	-	-
0010	22+10	LT	1	-	-	2	-	-	-	46	-	-	-	-
0010	23+48	LT	1	-	-	2	-	-	-	48	-	-	-	-
0010	24+68	LT	1	-	-	2	-	-	-	44	-	-	-	-
0010	25+56	LT	1	-	-	2	-	-	-	36	-	-	-	-
0010	26+48	LT	1	-	-	-	2	-	-	-	32	-	-	-
0010	27+65	LT	1	-	-	-	2	-	-	-	34	-	-	-
0010	35+91	RT	1	-	-	-	2	-	-	-	30	-	-	-
0010	37+01	RT	1	-	-	-	2	-	-	-	38	-	-	-
0010	44+38	LT	1	-	-	2	-	-	-	50	-	-	-	-
0010	51+04	RT	1	-	-	-	2	-	-	-	52	-	-	-
0010	58+79	RT	1	-	-	-	2	-	-	-	32	-	-	-
0010	67+68	RT	1	-	-	2	-	-	-	50	-	-	-	-
0010	71+24	LT	1	-	-	2	-	-	-	32	-	-	-	-
0010	80+60	LT	1	-	-	-	2	-	-	-	24	-	-	-
0010	98+35	RT	-	-	-	-	2	-	-	-	30	-	-	-
0010	99+00	LT	1	-	-	-	2	-	-	-	28	-	-	-
0010	106+22	RT	1	-	-	-	2	-	-	-	44	-	-	-
0010	124+59	LT	1	-	-	-	2	-	-	-	30	-	-	-
0010	148+96	LT	1	-	-	-	2	-	-	-	90	-	-	-
0010	158+20	RT	1	-	-	-	2	-	-	-	30	-	-	-
0010	159+88	LT	-	-	-	-	2	-	-	-	26	-	-	-
0010	166+20	RT	1	-	-	-	2	-	-	-	80	-	-	-
0010	166+42	LT	1	-	-	-	2	-	-	-	30	-	-	-
0010	171+78	LT	1	-	-	-	2	-	-	-	66	-	-	-
0010	191+29	RT	1	-	-	-	2	-	-	-	40	-	-	-
0010	191+30	LT	1	-	-	-	2	-	-	-	28	-	-	-
0010	214+15	LT	-	-	-	-	2	-	-	-	26	-	-	-
0010	214+15	RT	-	-	-	-	2	-	-	-	22	-	-	-
0010	220+08	LT	1	-	-	-	2	-	-	-	24	-	-	-
		SUBTOTAL	39	5	0	30	48	0	0	540	892	0	44	4

* ITEM IS INCLUDED IN OTHER MISC QUANTITY TABLES

NOTE: REQUIRED STEEL THICKNESS IS 0.064" FOR DIAMETERS OF 24" OR LESS

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DRIVEWAY CULVERT ITEMS CONTINUED

CATEGORY	STATION	LOCATION	* 203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0185 REMOVING MASONRY CY	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	520.1015 APRON ENDWALLS FOR CULVERT PIPE 15-INCH EACH	* 520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	* 520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.4112 CULVERT PIPE CLASS IV 12-INCH LF	520.4115 CULVERT PIPE CLASS IV 15-INCH LF	* 520.4118 CULVERT PIPE CLASS IV 18-INCH LF	520.4124 CULVERT PIPE CLASS IV 24-INCH LF	* 522.2429 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	* 522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH EACH
0010	222+44	RT	-	-	-	-	2	-	-	-	26	-	-	-
0010	225+11	LT	1	-	-	-	2	-	-	-	54	-	-	-
0010	244+03	LT	1	-	-	-	-	2	-	-	-	60	-	-
0010	257+91	RT	1	-	-	-	2	-	-	-	30	-	-	-
0010	275+35	RT	1	-	-	-	2	-	-	-	40	-	-	-
0010	278+24	RT	-	-	-	-	2	-	-	-	26	-	-	-
0010	280+19	LT	1	-	-	-	2	-	-	-	30	-	-	-
0010	281+77	LT	1	-	-	-	2	-	-	-	34	-	-	-
0010	292+07	RT	1	-	-	-	2	-	-	-	42	-	-	-
0010	316+11	LT	-	-	-	-	2	-	-	-	36	-	-	-
0010	320+20	RT	-	-	-	-	2	-	-	-	26	-	-	-
0010	334+09	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	340+62	RT	2	-	-	-	-	2	-	-	-	26	-	-
0010	344+66	LT	1	-	-	-	2	-	-	-	34	-	-	-
0010	366+04	RT	1	-	-	-	2	-	-	-	24	-	-	-
0010	366+10	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	373+66	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	373+78	RT	1	-	-	-	2	-	-	-	22	-	-	-
0010	377+94	LT	1	-	-	-	2	-	-	-	24	-	-	-
0010	401+70	RT	1	-	-	-	2	-	-	-	26	-	-	-
0010	429+75	LT	1	-	-	-	2	-	-	-	34	-	-	-
0010	458+06	LT	1	-	-	-	2	-	-	-	30	-	-	-
0010	467+32	LT	1	-	-	-	2	-	-	-	36	-	-	-
0010	467+33	RT	1	-	-	-	-	-	-	-	-	-	-	-
0010	471+86	RT	1	-	-	-	-	-	-	-	-	-	-	-
0010	482+00	RT	-	-	-	-	2	-	-	-	36	-	-	-
0010	495+39	RT	-	-	-	-	2	-	-	-	20	-	-	-
0010	496+07	LT	1	-	-	-	-	2	-	-	-	26	-	-
0010	524+88	LT	1	-	-	-	2	-	-	-	22	-	-	-
0010	526+03	LT	1	-	-	-	2	-	-	-	36	-	-	-
0010	528+36	LT	1	-	-	-	2	-	-	-	60	-	-	-
0010	528+79	RT	1	-	-	-	2	-	-	-	30	-	-	-
0010	537+53	RT	1	-	-	-	2	-	-	-	46	-	-	-
0010	542+26	LT	-	-	-	2	-	-	-	28	-	-	-	-
0010	554+66	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	556+04	RT	1	-	-	-	2	-	-	-	32	-	-	-
0010	558+91	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	562+72	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	563+00	RT	1	-	-	-	2	-	-	-	26	-	-	-
0010	566+04	LT	1	-	-	-	2	-	-	-	38	-	-	-
0010	566+17	RT	-	-	-	-	2	-	-	-	24	-	-	-
		SUBTOTAL	34	0	0	2	70	6	0	28	1,100	112	0	0

* ITEM IS INCLUDED IN OTHER MISC QUANTITY TABLES

NOTE: REQUIRED STEEL THICKNESS IS 0.064" FOR DIAMETERS OF 24" OR LESS

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DRIVEWAY CULVERT ITEMS CONTINUED

CATEGORY	STATION	LOCATION	* 203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0185 REMOVING MASONRY CY	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	520.1015 APRON ENDWALLS FOR CULVERT PIPE 15-INCH EACH	* 520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	* 520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.4112 CULVERT PIPE CLASS IV 12-INCH LF	520.4115 CULVERT PIPE CLASS IV 15-INCH LF	* 520.4118 CULVERT PIPE CLASS IV 18-INCH LF	520.4124 CULVERT PIPE CLASS IV 24-INCH LF	* 522.2429 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	* 522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH EACH
0010	569+46	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	570+98	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	574+15	RT	1	-	-	-	2	-	-	-	32	-	-	-
0010	574+85	LT	1	-	-	2	-	-	-	26	-	-	-	-
0010	575+64	LT	1	-	-	-	2	-	-	-	22	-	-	-
0010	582+47	LT	1	-	-	-	2	-	-	-	34	-	-	-
0010	602+99	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	606+23	LT	1	-	-	-	2	-	-	-	30	-	-	-
0010	608+20	RT	1	-	-	2	-	-	-	36	-	-	-	-
0010	614+82	RT	1	-	-	-	2	-	-	-	32	-	-	-
0010	619+29	RT	1	-	-	-	2	-	-	-	76	-	-	-
0010	622+52	RT	1	-	-	-	2	-	-	-	52	-	-	-
0010	623+34	LT	1	-	-	-	2	-	-	-	28	-	-	-
0010	625+10	RT	1	-	-	-	2	-	-	-	56	-	-	-
0010	632+33	RT	-	-	-	-	2	-	-	-	44	-	-	-
0010	636+29	RT	1	-	-	-	2	-	-	-	26	-	-	-
0010	653+58	RT	1	-	-	-	2	-	-	-	24	-	-	-
0010	655+16	RT	1	-	-	-	2	-	-	-	34	-	-	-
0010	656+00	RT	1	-	-	-	2	-	-	-	44	-	-	-
0010	658+80	RT	1	-	-	-	2	-	-	-	24	-	-	-
0010	660+36	RT	1	-	-	-	-	-	-	-	-	-	-	-
0010	661+53	LT	1	-	-	-	2	-	-	-	30	-	-	-
0010	663+27	LT	1	-	-	-	2	-	-	-	26	-	-	-
0010	664+31	RT	1	-	-	-	2	-	-	-	28	-	-	-
0010	665+75	RT	1	-	-	-	2	-	-	-	32	-	-	-
0010	666+88	RT	1	-	-	-	2	-	-	-	34	-	-	-
0010	671+24	RT	1	-	-	-	2	-	-	-	28	-	-	-
0010	674+77	RT	1	-	-	-	2	-	-	-	24	-	-	-
0010	678+64	RT	1	-	-	-	2	-	-	-	34	-	-	-
0010	689+04	LT	1	-	-	-	-	2	-	-	-	52	-	-
0010	691+21	RT	1	-	2	-	-	-	30	-	-	-	-	-
		SUBTOTAL	30	0	2	4	52	2	30	62	872	52	0	0
		TOTAL 0010	103	5	2	36	170	8	30	630	2,864	164	44	4

* ITEM IS INCLUDED IN OTHER MISC QUANTITY TABLES

NOTE: REQUIRED STEEL THICKNESS IS 0.064" FOR DIAMETERS OF 24" OR LESS

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HIGHWAY PIPE CULVERTS

CATEGORY	STATION	LOCATION	* 203.0100 REMOVING SMALL PIPE CULVERTS EACH	504.0900 CONCRETE MASONRY ENDWALLS CY	520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH EACH	520.3430 CULVERT PIPE CLASS III-A NON-METAL 30-INCH LF	520.8700 CLEANING CULVERT PIPES EACH	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.3124 CULVERT PIPE CORRUGATED STEEL 24-INCH LF	521.3136 CULVERT PIPE CORRUGATED STEEL 36-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.0430 CULVERT PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	* 633.5200 MARKERS CULVERT END EACH	REMARKS
0010	8+85	LT&RT	1	-	-	-	-	-	-	-	-	-	62	-	-	2	-	-	2	REPLACEMENT; RELOCATE FROM STA 8+08
0010	63+22	LT&RT	-	4	-	-	2	-	-	-	-	20	-	-	-	-	-	-	2	6' EXTENSIONS LT; 4' EXTENSIONS RT
0010	75+67	LT&RT	-	-	-	-	1	-	2	-	6	-	-	-	-	-	-	-	2	4' EXTENSION LT; 2' EXTENSION RT
0010	88+08	LT&RT	-	-	-	-	1	-	2	-	24	-	-	-	-	-	-	-	2	12' EXTENTSIONS LT & RT
0010	148+04	LT&RT	-	-	-	-	1	-	2	-	32	-	-	-	-	-	-	-	2	6' EXTENSION LT; 26' EXTENSION RT
0010	162+52	LT&RT	1	-	2	84	-	-	-	-	-	-	-	-	-	-	-	-	2	CATTLE PASS; REPLACE W/ CULVERT PIPE
0010	187+00	LT&RT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	CLEANING ONLY
0010	196+64	LT&RT	-	-	-	-	1	-	2	-	50	-	-	-	-	-	-	-	2	30' EXTENSION LT; 20' EXTENSION RT
0010	251+76	LT&RT	-	-	-	-	1	-	2	-	14	-	-	-	-	-	-	-	2	6' EXTENSION LT; 8' EXTENSION RT
0010	285+40	LT&RT	1	-	2	74	-	-	-	-	-	-	-	-	-	-	-	-	2	REPLACEMENT
0010	353+35	LT&RT	2	-	-	-	-	-	-	-	-	-	-	124	-	-	4	-	2	REPLACEMENT; TWIN 64' PIPES
0010	359+78	LT&RT	-	-	-	-	1	-	2	-	2	-	-	-	-	-	-	-	2	2' EXTENSION RT; ENDWALL ONLY LT
0010	423+84	LT&RT	-	-	-	-	1	-	2	-	2	-	-	-	-	-	-	-	2	2' EXTENSION LT; ENDWALL ONLY RT
0010	431+85	LT&RT	1	-	-	-	-	-	-	-	-	-	58	-	-	2	-	-	2	REPLACEMENT
0010	449+95	LT&RT	-	-	-	-	1	-	2	-	4	-	-	-	-	-	-	-	2	ENDWALL ONLY LT; 4' EXTENSION RT
0010	457+76	LT&RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	CATTLE PASS REMOVAL
0010	472+86	LT&RT	-	-	-	-	1	-	2	-	2	-	-	-	-	-	-	-	2	2' EXTENSION LT; ENDWALL ONLY RT
0010	504+77	LT&RT	-	-	-	-	1	2	-	10	-	-	-	-	-	-	-	-	2	6' EXTENSION LT; 4' EXSTENSION RT
0010	598+50	LT&RT	1	-	-	-	-	-	-	-	-	-	58	-	-	2	-	-	2	REPLACEMENT
0010	626+59	LT&RT	1	-	-	-	-	-	-	-	-	-	-	-	58	-	-	2	2	REPLACEMENT
0010	641+86	LT&RT	-	-		-	1	-	-	-	-	-	-	-	-	-	-	-	-	CLEANING ONLY
		TOTAL 0010	9	4	4	158	14	2	18	10	136	20	178	124	58	6	4	2	40	

* ITEM IS INCLUDED IN OTHER MISC QUANTITY TABLES

NOTE: PROPOSED LENGTHS FOR CULVERT PIPE CLASS XX ITEMS ARE BASED ON STEEL PIPES AND ENDWALLS. LENGTHS WILL NEED TO BE ADJUSTED IF ANOTHER MATERIAL IS CHOSEN. REQUIRED STEEL THICKNESS IS 0.064" FOR DIAMETERS OF 24" OR LESS AND 0.079" FOR DIAMETERS OF 30" & 36"

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HIGHWAY ELLIPTICAL CULVERTS

CATEGORY	STATION	LOCATION	* 203.0100 REMOVING SMALL PIPE CULVERTS EACH	522.2334 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 34X53-INCH LF	* 522.2419 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH LF	* 522.2424 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	* 522.2429 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	* 522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH EACH	* 522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH EACH	* 522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH EACH	* 522.2634 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 34X53-INCH EACH	* 633.5200 MARKERS CULVERT END EACH	REMARKS
0010	17+95	LT&RT	1	-	62	-	-	2	-	-	-	2	PIPE REPLACEMENT
0010	276+27	LT&RT	1	-	-	-	58	-	-	2	-	2	PIPE REPLACEMENT
0010	485+92	LT&RT	1	94	-	-	-	-	-	-	2	2	PIPE REPLACEMENT
0010	532+95	LT&RT	1	84	-	-	-	-	-	-	2	2	PIPE REPLACEMENT
0010	567+09	LT&RT	1	-	-	58	-	-	2	-	-	2	PIPE REPLACEMENT
		TOTAL 0010	5	178	62	58	58	2	2	2	4	10	

* ITEM IS INCLUDED IN OTHER MISC QUANTITY TABLES

SIDE ROAD CULVERTS

CATEGORY	STATION	LOCATION	* 203.0100 REMOVING SMALL PIPE CULVERTS EACH	* 520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	* 520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.3324 CULVERT PIPE CLASS III-A 24-INCH LF	* 520.4118 CULVERT PIPE CLASS IV 18-INCH LF	522.2414 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 14X23-INCH LF	* 522.2419 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH LF	* 522.2424 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	522.2614 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 14X23-INCH EACH	* 522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH EACH	* 522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH EACH	REMARKS
0010	10+45"C"	LT&RT	1	-	-	-	-	66	-	-	2	-	-	PIPE REPLACEMENT
0010	10+31"H"	LT&RT	1	-	-	-	-	-	54	-	-	2	-	PIPE REPLACEMENT
0010	10+37"I"	LT&RT	1	-	-	-	-	-	68	-	-	2	-	PIPE REPLACEMENT
0010	9+65"K"	LT&RT	1	-	-	-	-	80	-	-	2	-	-	PIPE REPLACEMENT
0010	10+60"L"	LT&RT	1	-	2	74	-	-	-	-	-	-	-	PIPE REPLACEMENT
0010	9+70"M"	LT&RT	1	-	-	-	-	-	-	46	-	-	2	PIPE REPLACEMENT
0010	10+40"P"	LT&RT	1	2	-	-	74	-	-	-	-	-	-	PIPE REPLACEMENT
0010	9+66"Q"	LT&RT	1	2	-	-	70	-	-	-	-	-	-	PIPE REPLACEMENT
0010	9+70"R"	LT&RT	1	-	-	-	-	32	-	-	2	-	-	PIPE REPLACEMENT
0010	10+42"S"	LT&RT	1	-	-	-	-	42	-	-	2	-	-	PIPE REPLACEMENT
0010	10+31"T"	LT&RT	1	-	-	-	-	68	-	-	2	-	-	PIPE REPLACEMENT
0010	9+70"U"	LT&RT	1	-	-	-	-	34	-	-	2	-	-	PIPE REPLACEMENT
		TOTAL 0010	12	4	2	74	144	322	122	46	12	4	2	

* ITEM IS INCLUDED IN OTHER MISC QUANTITY TABLES

NOTE: PROPOSED LENGTHS FOR CULVERT PIPE CLASS XX ITEMS ARE BASED ON STEEL PIPES AND ENDWALLS. LENGTHS WILL NEED TO BE ADJUSTED IF ANOTHER MATERIAL IS CHOSEN. REQUIRED STEEL THICKNESS IS 0.064" FOR DIAMETERS OF 24" OR LESS

ITEMS ARE FOR PROJECT ID 6170-00-70 UNLESS OTHERWISE NOTED

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CATEGORY	STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH
0050	7+35	LT	1
0050	9+98	LT	1
0050	11+36	LT	1
0050	13+07	LT	1
0050	14+57	LT	1
0050	16+02	LT	1
0050	18+56	LT	1
0050	22+56	LT	1
0050	25+55	LT	1
0050	28+30	LT	1
		TOTAL 0050	10

CATEGORY	STATION	LOCATION	SPV.0060.07 ADJUSTING WATER VALVE BOXES EACH
0050	13+24	RT	1
0050	13+48	RT	1
0050	18+29	LT	1
		TOTAL 0050	3

CATEGORY	STATION	LOCATION	SPV.0060.08 AJDUSTING WATER SERVICE CURB STOPS EACH
0050	6+25	LT	1
0050	7+19	RT	1
0050	7+50	LT	1
0050	7+97	RT	1
0050	8+35	LT	1
0050	9+72	LT	1
0050	10+09	RT	1
		TOTAL 0050	7

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.02 MOWING EACH
0010	520+50	-	525+00	LT	15
0010	575+00	-	582+50	RT	15
0010	579+50	-	582+50	LT	15
0010	637+00	-	640+50	RT	15
				TOTAL 0010	60

GUARDRAIL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	614.2300 MGS GUARDRAIL 3 LF	614.2340 MGS GUARDRAIL 3 L LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
0010	214+75	-	217+67	RT	249	75	112.5	2
0010	215+53	-	218+60	LT	232	87.5	112.5	2
0010	456+07	-	458+48	RT	304	-	-	-
0010	458+78	-	463+19	RT	517	-	-	-
0010	679+22	-	681+66	RT	267	25	112.5	2
0010	679+54	-	681+97	LT	267	25	112.5	2
				TOTAL 0010	1,836	212.5	450	8

CATEGORY	STATION	TO	STATION	LOCATION	624.0100 WATER MGAL
0010	4+93	-	111+00	LT&RT	460
0010	111+00	-	220+00	LT&RT	470
0010	220+00	-	245+00	LT&RT	160
0010	245+00	-	355+00	LT&RT	470
0010	355+00	-	465+00	LT&RT	460
0010	465+00	-	575+00	LT&RT	460
0010	575+00	-	692+51	LT&RT	510
0010	9+50"A"	-	9+79"A"	LT&RT	1
0010	8+50"B"	-	9+79"B"	LT&RT	3
0010	8+70"C"	-	9+79"C"	LT&RT	2
0010	10+20"C"	-	10+90"C"	LT&RT	3
0010	10+65"D"	-	11+80"D"	LT&RT	5
0010	10+21"E"	-	11+00"E"	LT&RT	2
0010	10+21"F"	-	11+10"F"	LT&RT	2
0010	8+60"G"	-	9+80"G"	LT&RT	2
0010	10+20"G"	-	11+00"G"	LT&RT	4
0010	9+00"H"	-	9+79"H"	LT&RT	2
0010	10+21"H"	-	11+00"H"	LT&RT	2
0010	6+50"I"	-	9+76"I"	LT&RT	11
0010	10+20"I"	-	12+00"I"	LT&RT	6
0010	10+20"J"	-	11+30"J"	LT&RT	2
0010	9+77"K"	-	8+50"K"	LT&RT	4
0010	10+20"L"	-	12+00"L"	LT&RT	4
0010	9+00"M"	-	9+80"M"	LT&RT	2
0010	9+00"N"	-	9+79"N"	LT&RT	3
0010	8+70"O"	-	9+80"O"	LT&RT	3
0010	10+20"P"	-	11+00"P"	LT&RT	3
0010	8+70"Q"	-	9+80"Q"	LT&RT	5
0010	9+50"R"	-	9+80"R"	LT&RT	1
0010	10+20"S"	-	11+10"S"	LT&RT	2
0010	10+20"T"	-	11+00"T"	LT&RT	2
0010	8+70"U"	-	9+80"U"	LT&RT	2
0010	DRIVEWAYS			LT&RT	18
					3,086

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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	MISCELLANEOUS QUANTITIES	SHEET 150	E

ITEMS ARE FOR PROJECT ID 6170-00-70 UNLESS OTHERWISE NOTED

EROSION CONTROL ITEMS

PROJECT ID	CATEGORY	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7515.S STONE DITCH CHECKS (PERMANENT) CY	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	645.0130 GEOTEXTILE TYPE R SY
6170-00-70	0010	4+93	-	111+00	LT&RT	9,500	9,500	1	825	-	72	120	-
6170-00-70	0010	111+00	-	220+00	LT&RT	9,700	9,700	-	1,350	40	32	210	120
6170-00-70	0010	245+00	-	355+00	LT&RT	8,400	8,400	-	900	-	32	30	-
6170-00-70	0010	355+00	-	465+00	LT&RT	11,500	11,500	-	1,155	-	30	120	-
6170-00-70	0010	465+00	-	575+00	LT&RT	11,300	11,300	-	525	-	60	120	-
6170-00-70	0010	575+00	-	692+51	LT&RT	11,400	11,400	-	285	-	70	90	-
6170-00-70	0010			UNDISTRIBUTED		15,400	15,400	-	1,260	10	77	170	30
		PROJECT 6170-00-70			TOTAL 0010	77,200	77,200	1	6,300	50	373	860	150
6170-00-74	0010	220+00	-	245+00	LT&RT	4,400	4,400	-	300	-	10	-	-
6170-00-74	0010			UNDISTRIBUTED		1,100	1,100	-	75	-	3	-	-
		PROJECT 6170-00-74			TOTAL 0010	5,500	5,500	0	375	0	13	0	0

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT WIDE	15	5
	TOTAL 0010	15	5

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RESTORATION ITEMS

PROJECT ID	CATEGORY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	625.0105 TOPSOIL CY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2039 EROSION MAT CLASS III TYPE D SY	628.5505 POLYETHYLENE SHEETING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0400 SEEDING NURSE CROP LB	630.0500 SEED WATER MGAL	SPV.0030.01 FERTILIZER FOR LAWN TYPE TURF CWT	SPV.0085.01 SEEDING MIXTURE NO. 85A LB	SPV.0085.02 SEEDING MIXTURE NO. 95A LB	SPV.0180.01 PREPARING TOPSOIL FOR LAWN TYPE TURF SY	REMARKS
6170-00-70	0010	4+93	-	111+00	LT&RT	38,600	-	37,000	1,590	-	150	-	14	610	390	-	870	10	-	-	16,000	
6170-00-70	0010	111+00	-	220+00	LT&RT	48,500	-	43,800	4,720	-	480	-	28	1,190	80	-	1,090	3	-	-	4,560	
6170-00-70	0010	245+00	-	355+00	LT&RT	44,500	-	38,700	5,760	-	330	-	26	1,110	80	-	1,000	3	-	-	4,420	
6170-00-70	0010	355+00	-	465+00	LT&RT	43,800	-	37,900	3,720	2,230	590	2,200	25	1,030	60	16	990	2	-	3	3,590	
6170-00-70	0010	465+00	-	575+00	LT&RT	41,100	-	38,900	2,150	-	30	-	15	640	110	-	920	4	-	-	6,230	
6170-00-70	0010	575+00	-	692+51	LT&RT	50,200	-	40,400	9,820	-	-	-	16	690	280	-	1,130	10	-	-	15,580	
6170-00-70	0010			12+00"H"	RT	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DNR PARKING AREA
6170-00-70	0010			UNDISTRIBUTED		66,700	-	59,200	6,940	560	400	550	31	1,320	250	4	1,500	8	-	1	12,600	
		PROJECT ID 6170-00-70			TOTAL 0010	333,400	45	295,900	34,700	2,790	1,980	2,750	155	6,590	1,250	20	7,500	40	0	4	62,980	
6170-00-74	0010	220+00	-	245+00	LT&RT	21,400	-	9,180	12,200	-	-	2,500	11	180	50	80	480	2	25	-	3,470	
6170-00-74	0010			UNDISTRIBUTED		5,350	-	2,300	3,050	-	-	600	3	50	13	20	120	1	6	-	870	
		PROJECT ID 6170-00-74			TOTAL 0010	26,750	0	11,480	15,250	0	0	3,100	14	230	63	100	600	3	31	0	4,340	

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							PERMANENT SIGNING									
CATEGORY	SIGN NO	STATION	LOCATION	SIGN CODE	SIZE	SIGN MESSAGE	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	01-01	5+55	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	01-02	6+75	RT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	01-03A	7+25	LT	S1-1	36"X36"	SCHOOL ZONE	-	1	-	-	-	6.75	-	1	1	
0010	01-03B	7+25	LT	S16-9P	30"X18"	AHEAD	-	-	-	-	-	3.75	-	-	-	SUPPLEMENTS SIGN 01-03A; ON SAME POST
0010	01-04	9+05	LT	W6-1	36"X36"	DIVIDED HIGHWAY SYMBOL	-	1	-	-	-	9.00	-	1	1	
0010	01-05	9+45	RT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	01-06A	10+40	RT	S1-1	36"X36"	SCHOOL ZONE	-	1	-	-	-	6.75	-	1	1	
0010	01-06B	10+40	RT	S16-9P	30"X18"	AHEAD	-	-	-	-	-	3.75	-	-	-	SUPPLEMENTS SIGN 01-06A; ON SAME POST
0010	01-07	10+85	LT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	01-08	13+30	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	01-09A	14+50	RT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	01-09B	14+50	RT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 01-09A; ON SAME POST
0010	01-10	16+40	RT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	01-11	16+75	LT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	-	-	EXISTING SIGN ON POST WITH SIGN 01-12
0010	01-12	17+25	LT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	01-13	17+90	RT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	01-14	18+35	LT	J2-2	48"X57"	ROUTE DIRECTIONAL	-	-	1	-	19.00	-	-	1	1	
0010	01-15	18+35	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	02-01	18+40	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	02-02	19+00	LT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	02-03	19+50	RT	R59-51	36"X36"	STOP FOR SCHOOL BUS	-	1	-	-	9.00	-	-	1	1	
0010	02-04	20+60	RT	S5-2	24"X30"	END SCHOOL ZONE	-	1	-	-	5.00	-	-	1	1	
0010	02-05A	20+65	LT	S1-1	36"X36"	SCHOOL ZONE	-	-	1	-	-	6.75	-	1	1	
0010	02-05B	20+65	LT	S16-9P	30"X18"	AHEAD	-	-	-	-	-	3.75	-	-	-	SUPPLEMENTS SIGN 02-05A; ON SAME POST
0010	02-05C	20+65	LT	R2-6P	24"X18"	FINES HIGHER	-	-	-	-	3.00	-	-	-	-	SUPPLEMENTS SIGN 02-05A; ON SAME POST
0010	02-06	22+10	RT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	02-07	23+25	RT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	02-08	24+35	LT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	02-09	24+95	RT	W54-56	30"X30"	PLANT ENTRANCE	-	1	-	-	-	6.25	-	1	1	
0010	02-10	26+20	LT	W1-2R	-	ROAD CURVES RIGHT	-	-	-	-	-	-	-	1	1	
0010	02-11	26+30	RT	D2-1	72"X24"	WAUTOMA, OSHKOSH DISTANCE	2	-	-	-	12.00	-	-	1	2	
0010	02-12	27+80	RT	S3-1	36"X36"	SCHOOL BUS STOP AHEAD	-	1	-	-	-	9.00	-	1	1	
0010	02-13	28+50	LT	I2-3	-	COLOMA POPULATION	-	-	-	-	-	-	1	-	-	
0010	02-14	31+55	RT	W11-8	30"X30"	FIRE TRUCK CROSSING	-	1	-	-	-	6.25	-	1	1	
0010	02-15	31+60	LT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	02-16	32+75	LT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	02-17	32+75	RT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	03-01	33+75	RT	D1-1	90"X15"	INDUSTRIAL DR (ARROW)	2	-	-	-	9.38	-	-	1	2	
0010	03-02	38+00	LT	R1-1	30"X30"	STOP		1	-	-	5.18	-	-	1	1	
0010	03-03	41+45	LT	W3-5	36"X36"	SPEED REDUCTION AHEAD	-	1	-	-	-	9.00	-	1	1	
0010	03-04	43+70	LT	D1-1	90"X15"	INDUSTRIAL DR (ARROW)	2	-	-	-	9.38	-	-	1	2	
0010	03-05	46+15	LT	S3-1	36"X36"	SCHOOL BUS STOP AHEAD	-	1	-	-	-	9.00	-	1	1	
0010	04-01	49+30	LT	W11-8	30"X30"	FIRE TRUCK CROSSING	-	1	-	-	-	6.25	-	1	1	
0010	04-02	53+00	LT	W1-2L	30"X30"	ROAD CURVES LEFT	-	1	-	-	-	6.25	-	1	1	
0010	04-03	53+00	RT	D1-1	66"X15"	6TH AVE (ARROW)	2	-	-	-	6.88	-	-	1	2	
0010	04-04	53+25	RT	W14-3	48"X36"	NO PASSING ZONE	-	-	-	-	-	5.56	-	-	-	SIGN ON POST WITH SIGN 04-03
0010	04-05	57+95	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	05-01	65+20	LT	D1-1	66"X15"	6TH AVE (ARROW)	2	-	-	-	6.88	-	-	1	2	
0010	06-01	90+10	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	07-01	102+10	RT	D1-1	60"X15"	CREE RD (ARROW)	2	-	-	-	6.25	-	-	1	2	
						SUBTOTAL	12	34	2	0	197.85	115.75	1	42	48	

3

PERMANENT SIGNING CONTINUED

CATEGORY	SIGN NO	STATION	LOCATION	SIGN CODE	SIZE	SIGN MESSAGE	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	08-01	108+90	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	08-02	116+05	LT	D1-1	60"X15"	CREE RD (ARROW)	2	-	-	-	6.25	-	-	1	2	
0010	08-03	117+10	RT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	08-04	117+10	RT	W14-3	48"X36"	NO PASSING ZONE	-	-	-	-	-	5.56	-	-	-	SIGN ON POST WITH SIGN 08-03
0010	08-05A	119+00	RT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	08-05B	119+00	RT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 08-05A; ON SAME POST
0010	08-06	120+60	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	08-07	121+45	RT	W1-2L	30"X30"	ROAD CURVES LEFT	-	1	-	-	-	6.25	-	1	1	
0010	09-01	122+50	RT	D1-1	60"X15"	7TH DR (ARROW)	2	-	-	-	6.25	-	-	1	2	
0010	09-02	124+15	LT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	09-03A	124+65	RT	J1-1	24"X39"	JUNCTION MARKER	-	-	1	-	6.50	-	-	1	1	
0010	09-03B	124+65	RT	MN6-1	21"X21"	DIRECTIONAL ARROW	-	-	-	-	3.06	-	-	-	-	SUPPLEMENTS SIGN 09-03A; ON SAME POST
0010	09-04A	124+65	RT	I55-56	30"X18"	ADOPT-A-HIGHWAY	-	1	-	-	3.75	-	-	1	1	
0010	09-04B	124+65	RT	I55-56P	30"X18"	SPONSOR NAME	-	-	-	-	3.75	-	-	-	-	SUPPLEMENTS SIGN 09-04A; ON SAME POST
0010	09-05	127+05	RT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	09-06	127+15	LT	J2-2	48"X57"	ROUTE DIRECTIONAL	-	-	1	-	19.00	-	-	1	1	
0010	09-07	127+20	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	09-08	127+65	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	09-09	127+80	LT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	09-10	130+55	RT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	09-11A	132+00	LT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	09-11B	132+00	LT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 09-11A; ON SAME POST
0010	09-12	134+35	LT	D1-1	60"X15"	7TH DR (ARROW)	2	-	-	-	6.25	-	-	1	2	
0010	09-13	136+40	LT	W11-6	30"X30"	SNOWMOBILE CROSSING	-	1	-	-	-	6.25	-	1	1	
0010	10-01	139+70	LT	J1-1	24"X39"	JUNCTION MARKER	-	-	1	-	6.50	-	-	1	1	
0010	10-02	141+25	LT	W1-2R	30"X30"	ROAD CURVES RIGHT	-	1	-	-	-	6.25	-	1	1	
0010	10-03	143+55	RT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	11-01	165+80	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	12-01	168+25	RT	W1-2R	30"X30"	ROAD CURVES RIGHT	-	1	-	-	-	6.25	-	1	1	
0010	13-01	191+50	LT	W1-2L	30"X30"	ROAD CURVES LEFT	-	1	-	-	-	6.25	-	1	1	
0010	14-01	200+25	RT	W1-2L	30"X30"	ROAD CURVES LEFT	-	1	-	-	-	6.25	-	1	1	
0010	14-02	200+25	RT	W14-3	48"X36"	NO PASSING ZONE	-	-	-	-	-	5.56	-	-	-	SIGN ON POST WITH SIGN 14-01
0010	14-03	201+65	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	14-04	205+10	RT	D1-61	48"X24"	9TH AVE (ARROWS)	-	2	-	-	8.00	-	-	1	2	
0010	14-05	207+30	RT	W11-14	36"X36"	AMISH BUGGY	-	1	-	2	-	9.00	-	1	1	
0010	14-06	209+20	RT	D7-95L	-	ICE AGE NAT'L SCENIC TRAIL (ARROW)	-	-	-	-	-	-	1	-	-	
0010	15-01	211+60	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	15-02	212+25	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	15-03A	215+65	LT	J1-1	24"X39"	JUNCTION MARKER	-		1	-	6.50	-	-	1	1	
0010	15-03B	215+65	LT	MN6-1	21"X21"	DIRECTIONAL ARROW	-	-	-	-	3.06	-	-	-	-	SUPPLEMENTS SIGN 15-03A; ON SAME POST
0010	15-04	216+45	RT	I3-1	42"X24"	MECAN RIVER	2	-	-	-	7.00	-	-	1	2	
0010	15-05	216+75	LT	I3-1	42"X24"	MECAN RIVER	2	-	-	-	7.00	-	-	-	-	
0010	15-06	217+05	LT	D7-95R	-	ICE AGE NAT'L SCENIC TRAIL (ARROW)	-	-	-	-	-	-	1	-	-	
0010	15-07	218+95	LT	D1-61	48"X24"	9TH AVE (ARROWS)	-	2	-	-	8.00	-	-	1	2	
						SUBTOTAL	10	28	4	2	160.27	104.12	2	34	40	

PERMANENT SIGNING CONTINUED

CATEGORY	SIGN NO	STATION	LOCATION	SIGN CODE	SIZE	SIGN MESSAGE	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	16-01	225+60	LT	W1-2R	30"X30"	ROAD CURVES RIGHT	-	1	-	-	-	6.25	-	1	1	
0010	16-02	226+60	RT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	16-03	228+75	RT	W2-1; W13-1	-	CROSS ROAD; XX MPH	-	-	-	-	-	-	-	1	1	
0010	16-04	232+50	RT	D1-1	66"X15"	RICHFORD (ARROW)	2	-	-	-	6.88	-	-	1	2	
0010	16-05A	234+50	RT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	16-05B	234+50	RT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 16-05A; ON SAME POST
0010	16-06	235+30	LT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	16-07	237+65	RT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	16-08	228+30	LT	J2-2	48"X57"	ROUTE DIRECTIONAL	-	-	1	-	19.00	-	-	1	1	
0010	16-09	228+30	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	16-10	8+75"I"	LT	-	-	WAUSHARA COUNTY ADOPT-A-HIGHWAY	-	-	-	-	-	-	1	-	-	
0010	16-11	7+40"I"	LT	I2-3; R2-1	-	RICHFORD UNINCORPORATED; SPEED LIMIT	-	-	-	-	-	-	1	-	-	
0010	16-12	238+50	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	16-13	238+50	RT	J2-2	48"X57"	ROUTE DIRECTIONAL	-	-	1	-	19.00	-	-	1	1	
0010	16-14	238+80	LT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	17-01	241+35	RT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	17-02A	241+40	LT	I55-56	30"X18"	ADOPT-A-HIGHWAY	-	1	-	-	3.75	-	-	1	1	
0010	17-02B	241+40	LT	I55-56P	30"X18"	SPONSOR NAME	-	-	-	-	3.75	-	-	-	-	SUPPLEMENTS SIGN 17-02A; ON SAME POST
0010	17-03	243+15	RT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	17-04	252+20	LT	D1-1	66"X15"	RICHFORD (ARROW)	2	-	-	-	6.88	-	-	1	2	
0010	17-05A	244+00	LT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	17-05B	244+00	LT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 17-05A; ON SAME POST
0010	17-06	248+20	LT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	20-01	288+60	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	20-02	290+20	RT	W1-2L	30"X30"	ROAD CURVES LEFT	-	1	-	-	-	6.25	-	1	1	
0010	21-01	313+05	LT	S3-1	36"X36"	SCHOOL BUS STOP AHEAD	-	1	-	-	-	9.00	-	1	1	
0010	22-01	314+55	RT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	22-02	317+05	RT	W1-2R	30"X30"	ROAD CURVES RIGHT	-	1	-	-	-	6.25	-	1	1	
0010	22-03	319+25	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	24-01	345+20	RT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	24-02	348+05	RT	D1-1	60"X15"	11TH DR (ARROW)	2	-	-	-	6.25	-	-	1	2	
0010	24-03	348+55	LT	W1-2L	30"X30"	ROAD CURVES LEFT	-	1	-	-	-	6.25	-	1	1	
0010	24-04	352+80	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	25-01	359+15	RT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	25-02	360+00	LT	D1-1	60"X15"	11TH DR (ARROW)	2	-	-	-	6.25	-	-	1	2	
0010	25-03	362+50	RT	W1-2L	30"X30"	ROAD CURVES LEFT	-	1	-	-	-	6.25	-	1	1	
0010	25-04	363+70	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	25-05	366+75	LT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	25-06A	368+00	RT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	25-06B	368+00	RT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 25-06A; ON SAME POST
0010	25-07	368+65	LT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	25-08	372+20	RT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
						SUBTOTAL	8	29	2	0	152.30	110.00	2	36	40	

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PERMANENT SIGNING CONTINUED

CATEGORY	SIGN NO	STATION	LOCATION	SIGN CODE	SIZE	SIGN MESSAGE	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	26-01	372+75	LT	W1-7	48"X24"	TWO DIRECTION ARROW	-	1	-	-	-	8	-	1	1	
0010	26-02	372+80	LT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	-	-	EXISTING SIGN ON POST WITH SIGN 26-01
0010	26-03	372+85	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	26-04	372+95	RT	J2-2	48"X57"	ROUTE DIRECTIONAL	-	-	1	-	19.00	-	-	1	1	
0010	26-05	375+70	RT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	26-06A	377+35	LT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	26-06B	377+35	LT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 26-06A; ON SAME POST
0010	26-07	377+80	RT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	26-08	383+20	LT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	27-01	397+80	RT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	27-02	400+85	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	27-03	400+85	LT	W1-2R	30"X30"	ROAD CURVES RIGHT	-	1	-	-	-	6.25	-	-	-	SIGN ON POST WITH SIGN 27-02
0010	29-01	420+90	RT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	29-02	431+50	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	31-01	446+65	RT	W1-2L	30"X30"	ROAD CURVES LEFT	-	1	-	-	-	6.25	-	1	1	
0010	31-02	452+30	RT	W2-2	-	SIDE ROAD	-	-	-	-	-	-	-	1	1	
0010	31-03	453+70	RT	D1-1	96"X15"	COTTONVILLE CT (ARROW)	2	-	-	-	10.00	-	-	1	2	
0010	31-04	458+35	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	31-05	458+80	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	32-01	465+70	LT	D1-1	96"X15"	COTTONVILLE CT (ARROW)	2	-	-	-	10.00	-	-	1	2	
0010	32-02	469+15	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	-	-	SIGN ON POST WITH SIGN 32-03
0010	32-03	469+15	LT	W2-2	-	SIDE ROAD	-	-	-	-	-	-	-	1	1	
0010	32-04	472+10	RT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	32-05	472+65	LT	W1-2R	30"X30"	ROAD CURVES RIGHT	-	1	-	-	-	6.25	-	1	1	
0010	33-01	487+55	RT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	34-01	490+95	RT	D1-1	102"X15"	COTTONVILLE AVE (ARROW)	2	-	-	-	10.62	-	-	1	2	
0010	34-02	497+70	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	34-03	500+45	RT	W1-2R	30"X30"	ROAD CURVES RIGHT	-	1	-	-	-	6.25	-	1	1	
0010	34+04	501+45	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	34-05	505+20	LT	D1-1	102"X15"	COTTONVILLE AVE (ARROW)	2	-	-	-	10.62	-	-	1	2	
0010	35-01	506+00	RT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	35-02A	511+00	RT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	35-02B	511+00	RT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 35-02A; ON SAME POST
0010	35+03	512+65	LT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	35+04	515+45	LT	J2-3	72"X57"	ROUTE DIRECTIONAL	-	-	2	-	28.50	-	-	1	1	
0010	35+05	515+45	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	35-06	515+60	RT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	-	-	EXISTING SIGN ON POST WITH SIGN 35-08
0010	35-07A	515+60	RT	I55-56	30"X18"	ADOPT-A-HIGHWAY	-	1	-	-	3.75	-	-	1	1	
0010	35-07B	515+60	RT	I55-56P	30"X18"	SPONSOR NAME	-	-	-	-	3.75	-	-	-	-	SUPPLEMENTS SIGN 35-07A; ON SAME POST
0010	35-08	515+65	RT	W1-7	48"X24"	TWO DIRECTION ARROW	-	1	-	-	-	8.00	-	1	1	
0010	35-09	516+25	LT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	35-10	516+75	RT	D1-1	66"X15"	13TH AVE (ARROW)	2	-	-	-	6.88	-	-	1	2	
0010	35-11	516+80	RT	J4-2	48"X36"	HIGHWAY MARKER	-	1	-	-	12.00	-	-	1	1	
0010	35-12A	518+60	RT	W54-57	30"X30"	TRUCK ENTRANCE	-	1	-	-	-	6.25	-	1	1	
0010	35-12B	518+60	RT	W13-1	18"X18"	XX MPH	-	-	-	-	-	2.25	-	-	-	SUPPLEMENTS SIGN 35-12A; ON SAME POST
0010	35-13	519+20	LT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	35-14	519+95	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
						SUBTOTAL	10	34	3	0	206.20	118.24	0	39	44	

3

PERMANENT SIGNING CONTINUED

CATEGORY	SIGN NO	STATION	LOCATION	SIGN CODE	SIZE	SIGN MESSAGE	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	36-01A	521+65	LT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	36-01B	521+65	LT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 36-01A; ON SAME POST
0010	36-02	527+15	LT	D1-1	66"X15"	13TH AVE (ARROW)	2	-	-	-	6.88	-	-	1	2	
0010	36-03	528+10	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	37-01	536+45	RT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	37-02	537+40	LT	W1-2L	30"X30"	ROAD CURVES LEFT	-	1	-	-	-	6.25	-	1	1	
0010	37-03	538+30	RT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	37-04	540+70	LT	W54-57	30"X30"	TRUCK ENTRANCE	-	1	-	-	-	6.25	-	1	1	
0010	37-05	545+45	LT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	37-06	548+30	LT	J2-2	48"X57"	ROUTE DIRECTIONAL	-	-	1	-	19.00	-	-	1	1	
0010	37-07	548+40	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	37-08	548+50	RT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	-	-	EXISTING SIGN ON POST WITH SIGN 37-09
0010	37-09	548+55	RT	W1-7	48"X24"	TWO DIRECTION ARROW	-	1	-	-	-	8.00	-	1	1	
0010	37-10	549+05	LT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	38-01	551+45	RT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	38-02	556+90	LT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	39-01	576+70	RT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	40-01	581+60	RT	D1-1	60"X15"	DAKOTA (ARROW)	2	-	-	-	6.25	-	-	1	2	
0010	40-02A	583+15	RT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	40-02B	583+15	RT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 40-02A; ON SAME POST
0010	40-03	584+00	LT	J4-2	48"X36"	HIGHWAY MARKER	-	1	-	-	12.00	-	-	1	1	
0010	40-04	585+10	RT	I3-1	36"X24"	WHITE RIVER	2	-	-	-	6.00	-	-	-	-	
0010	40-05	585+65	LT	I3-1	36"X24"	WHITE RIVER	2	-	-	-	6.00	-	-	1	2	
0010	40-06A	586+80	LT	I55-56	30"X18"	ADOPT-A-HIGHWAY	-	1	-	-	3.75	-	-	1	1	
0010	40-06B	586+80	LT	I55-56P	30"X18"	SPONSOR NAME	-	-	-	-	3.75	-	-	-	-	SUPPLEMENTS SIGN 40-06A; ON SAME POST
0010	40-07	587+80	RT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	1	1	
0010	40-08	588+20	LT	W1-7	48"X24"	TWO DIRECTION ARROW	-	1	-	-	-	8.00	-	1	1	
0010	40-09	588+25	LT	J13-1	24"X45"	ROUTE DIRECTIONAL	-	1	-	-	7.50	-	-	-	-	EXISTING SIGN ON POST WITH SIGN 40-08
0010	40-10	588+35	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	40-11	588+45	RT	J2-3	72"X57"	ROUTE DIRECTIONAL	-	-	2	-	28.50	-	-	1	1	
0010	40-12	591+15	RT	J4-1	24"X36"	HIGHWAY MARKER	-	1	-	-	6.00	-	-	1	1	
0010	40-13A	592+70	RT	I55-56	30"X18"	ADOPT-A-HIGHWAY	-	1	-	-	3.75	-	-	1	1	
0010	40-13B	592+70	RT	I55-56P	30"X18"	SPONSOR NAME	-	-	-	-	3.75	-	-	-	-	SUPPLEMENTS SIGN 40-13A; ON SAME POST
0010	40+14A	593+00	LT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	40+14B	593+00	LT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 40-14A; ON SAME POST
0010	41-01	594+80	LT	D1-1	60"X15"	DAKOTA (ARROW)	2	-	-	-	6.25	-	-	1	2	
0010	41-02	597+70	LT	J1-1	24"X39"	JUNCTION MARKER	-	1	-	-	6.50	-	-	1	1	
0010	43-01	631+15	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-	-	-	5.56	-	1	1	
0010	44-01	641+85	RT	D1-1	78"X15"	OAKDALE CT (ARROW)	2	-	-	-	8.12	-	-	1	2	
0010	44-02	649+25	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	44-03	649+90	RT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	44-04	652+35	RT	D1-1	90"x15"	BUCKHORN CIR (ARROW)	2	-	-	-	9.38	-	-	1	2	
						SUBTOTAL	14	28	3	0	224.28	76.01	0	34	40	

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PERMANENT SIGNING CONTINUED

CATEGORY	SIGN NO	STATION	LOCATION	SIGN CODE	SIZE	SIGN MESSAGE	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	45-01	653+85	LT	D1-1	78"X15"	OAKDALE CT (ARROW)	2	-	-	-	8.12	-	-	1	2	
0010	45-02A	656+25	LT	W11-14	36"X36"	AMISH BUGGY	-	1	-	-	-	9.00	-	1	1	
0010	45-02B	656+25	LT	W57-51	30"X15"	NEXT X MILES	-	-	-	-	-	3.13	-	-	-	SUPPLEMENTS SIGN 45-02A; ON SAME POST
0010	45-03	657+25	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	45-04	660+75	RT	D1-1	66"X15"	16TH AVE (ARROW)	2	-	-	-	6.88	-	-	1	2	
0010	45-05	664+50	LT	D1-1	90"x15"	BUCKHORN CIR (ARROW)	2	-	-	-	9.38	-	-	1	2	
0010	45-06	667+45	LT	R1-1	30"X30"	STOP	-	1	-	-	5.18	-	-	1	1	
0010	46-01	668+20	RT	I2-3	-	WAUTOMA POPULATION	-	-	-	-	-	-	1	-	-	
0010	46-02	674+80	LT	D1-1	66"X15"	16TH AVE (ARROW)	2	-	-	-	6.88	-	-	1	2	
0010	46-03	679+00	LT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	46-04	679+10	RT	R2-1	24"X30"	SPEED LIMIT	-	1	-	-	5.00	-	-	1	1	
0010	46-05	682+25	RT	W3-1	36"X36"	STOP AHEAD	-	1	-	-	-	9.00	-	1	1	
0010	46-06	682+30	LT	W3-1	36"X36"	STOP AHEAD	-	1	-	-	-	9.00	-	-	-	EXISTING SIGN ON POST WITH SIGN 46-08
0010	46+07	682+30	LT	R5-53A	-	BUCKLE UP	-	-	-	-	-	-	-	1	1	
0010	47-01	684+20	LT	W11-3; W57-51	-	DEER CROSSING; NEXT X MILES	-	-	-	-	-	-	-	1	-	EXISTING SIGN ON POST WITH SIGN 47-03
0010	47-02A	685+80	LT	I55-56	30"X18"	ADOPT-A-HIGHWAY	-	1	-		3.75	-	-	1	1	
0010	47-02B	685+80	LT	I55-56P	30"X18"	SPONSOR NAME	-	-	-		3.75	-	-	-	-	SUPPLEMENTS SIGN 47-04A; ON SAME POST
0010	47-03	686+75	RT	J2-3	72"X57"	ROUTE DIRECTIONAL		-	2		28.50	-	-	1	1	
0010	47-04	687-05	LT	W14-3	48"X36"	NO PASSING ZONE	-	1	-		-	5.56	-	1	1	
0010	47-05	688+15	RT	D9-52R	36"X36"	WAUTOMA AIRPORT	-	1	-	-	9.00	-	-	1	1	
0010	47-06	688+80	LT	R1-1	30"X30"	STOP		1	-		5.18	-	-	1	1	
0010	47-07	689+70	LT	D2-1	66"x24"	COLOMA, TOMAH DISTANCE	2	-	-		11.00	-	-	1	2	
0010	47-08	589+80	RT	R1-1	30"X30"	STOP		1	-		5.18	-	-	1	1	
0010	47-09	690+30	RT	R3-8LAR	54"X30"	ONLY LANES	-	2	-	-	11	-	-	1	2	
0010	47-10	691+55	LT	J4-1	24"X36"	HIGHWAY MARKER		1	-		6.00	-	-	1	1	
0010	47-11	691+75	RT	D1-3	78"x36"	MULTIPLE DESTINATIONS (ARROWS)	-	2	-	-	19.50	-	-	1	2	
						SUBTOTAL	10	17	2	0	154.73	35.69	1	22	28	
						TOTAL 0010	64	170	16	2	1095.63	559.81	6	207	240	

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TRAFFIC CONTROL ITEMS

CATEGORY		DURATION (DAYS)	616.0700.S FENCE SAFETY LF	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I (ONE CYCLE) EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II (ONE CYCLE) EACH	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF
0010	DETOUR DETAIL A	180		-	-	-	-	-	-	56	10,080	2	1	-
0010	DETOUR DETAIL B	180		-	-	-	-	-	-	14	2,520	-	-	-
0010	DETOUR DETAIL C	180		-	-	-	-	-	-	84	15,120	-	-	-
0010	DETOUR DETAIL D	180		-	-	-	-	-	-	22	3,960	-	-	-
0010	DETOUR DETAIL E	180		-	-	-	-	-	-	14	2,520	-	-	-
0010	DETOUR DETAIL F	180		-	-	-	-	-	-	14	2,520	-	-	-
0010	DETOUR DETAIL G	180		-	-	-	-	-	-	14	2,520	-	-	-
0010	DETOUR DETAIL H	180		-	-	-	-	-	-	14	2,520	-	-	-
0010	DETOUR DETAIL I	180		-	-	-	-	-	-	44	7,920	-	6	-
0010	ADVANCED WARNING - STH 21	180	150	-	-	56	10,080	112	20,160	69	12,420	-	-	-
0010	ADVANCED WARNING - HILL CUT	65		-	-	10	650	12	780	3	195	-	-	-
0010	ADVANCED WARNING - CTH B	10		-	-	20	200	24	240	9	90	-	-	-
0010	ADVANCED WARNING - C-69-17	35		-	-	10	350	12	420	4	140	-	-	-
0010	ADVANCED WARNING - C-69-18	45		-	-	10	450	12	540	4	180	-	-	-
0010	PROJECT WIDE	210		170	35,700	15	3,150	30	6,300	15	3,150	-	-	-
0010	PROJECT PRE-WARNING	7		-	-	-	-	-	-	-	-	-	-	72
		TOTAL 0010	150		35,700		14,880		28,440		65,855	2	7	72

PAVEMENT MARKING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE LF	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH WHITE LF	646.5020 MARKING ARROW EPOXY WHITE EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF
0010	4+93	-	111+00	LT&RT	12,400	20,100	350	-	-
0010	111+00	-	220+00	LT&RT	12,600	21,000	-	-	-
0010	220+00	-	245+00	LT&RT	4,000	4,600	300	-	-
0010	245+00	-	355+00	LT&RT	8,600	21,800	-	-	-
0010	355+00	-	465+00	LT&RT	13,500	21,700	200	-	-
0010	465+00	-	575+00	LT&RT	9,400	21,100	-	-	-
0010	575+00	-	692+51	LT&RT	5,300	22,600	80	1	-
0010	10+20"C"	-	10+90"C"	LT&RT	80	-	-	-	-
0010	10+20"G"	-	11+00"G"	LT&RT	150	-	-	-	-
0010	6+50"I"	-	9+76"I"	LT&RT	640	-	-	-	30
0010	10+20"I"	-	12+00"I"	LT&RT	220	-	-	-	30
0010	9+77"K"	-	8+50"K"	LT&RT	160	-	-	-	-
0010	9+00"N"	-	9+79"N"	LT&RT	150	-	-	-	-
0010	10+20"P"	-	11+00"P"	LT&RT	100	-	-	-	-
0010	8+70"Q"	-	9+80"Q"	LT&RT	210	-	-	-	-
				TOTAL 0010	67,510	132,900	930	1	60

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CONSTRUCTION STAKING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	4+93	-	111+00	LT&RT	10,607	10,607	-	6	10,607
0010	111+00	-	220+00	LT&RT	10,900	10,900	-	4	10,900
0010	220+00	-	245+00	LT&RT	2,500	2,500	-	0	2,500
0010	245+00	-	355+00	LT&RT	11,000	11,000	-	5	11,000
0010	355+00	-	465+00	LT&RT	11,000	11,000	-	5	11,000
0010	465+00	-	575+00	LT&RT	11,000	11,000	-	5	11,000
0010	575+00	-	692+51	LT&RT	11,751	11,751	-	3	11,751
0010	9+50"A"	-	9+79"A"	LT&RT	-	29	74	-	29
0010	8+50"B"	-	9+79"B"	LT&RT	-	129	-	-	129
0010	8+70"C"	-	9+79"C"	LT&RT	-	109	-	-	109
0010	10+20"C"	-	10+90"C"	LT&RT	40	70	-	1	70
0010	10+22"D'	-	11+80"D"	LT&RT	-	158	150	-	158
0010	10+21"E"	-	11+00"E"	LT&RT	-	79	-	-	79
0010	10+21"F"	-	11+10"F"	LT&RT	-	89	-	-	89
0010	8+60"G"	-	9+80"G"	LT&RT	-	120	-	-	120
0010	10+20"G"	-	11+00"G"	LT&RT	50	80	-	-	80
0010	9+00"H"	-	9+79"H"	LT&RT	-	79	-	-	79
0010	10+21"H"	-	11+00"H"	LT&RT	-	79	-	1	79
0010	6+50"I"	-	9+76"I"	LT&RT	326	326	150	-	326
0010	10+20"I"	-	12+00"I"	LT&RT	180	180	150	1	180
0010	10+20"J"	-	11+30"J"	LT&RT	-	110	-	-	110
0010	8+50"K"	-	9+77"K"	LT&RT	70	127	160	1	127
0010	10+20"L"	-	12+00"L"	LT&RT	-	180	-	1	180
0010	9+00"M"	-	9+80"M"	LT&RT	-	80	-	1	80
0010	9+00"N"	-	9+79"N"	LT&RT	40	79	160	-	79
0010	8+70"O"	-	9+80"O"	LT&RT	-	110	-	-	110
0010	10+20"P"	-	11+00"P"	LT&RT	50	80	150	1	80
0010	8+70"Q"	-	9+80"Q"	LT&RT	60	110	-	1	110
0010	9+00"R"	-	9+80"R"	LT&RT	-	80	100	1	80
0010	10+20"S"	-	11+10"S"	LT&RT	-	90	-	1	90
0010	10+20"T"	-	11+00"T"	LT&RT	-	80	-	1	80
0010	8+70"U"	-	9+80"U"	LT&RT	-	110	-	1	110
0010			PROJECT WIDE		-	-	-	-	-
				TOTAL 0010	69,574	71,521	1,094	40	71,521

SAWING ITEMS

CATEGORY	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	4+93	LT&RT	42	-	BEGIN PROJECT
0010	692+51	LT&RT	63	-	END PROJECT
0010	9+50"A"	LT&RT	36	-	SIDE ROAD LIMITS
0010	8+50"B"	LT&RT	70	-	SIDE ROAD LIMITS
0010	8+70"C"	LT&RT	20	-	SIDE ROAD LIMITS
0010	10+90"C"	LT&RT	24	-	SIDE ROAD LIMITS
0010	11+80"D"	LT&RT	24	-	SIDE ROAD LIMITS
0010	11+00"E"	LT&RT	20	-	SIDE ROAD LIMITS
0010	11+10"F"	LT&RT	20	-	SIDE ROAD LIMITS
0010	8+60"G"	LT&RT	21	-	SIDE ROAD LIMITS
0010	11+00"G"	LT&RT	22	-	SIDE ROAD LIMITS
0010	9+00"H"	LT&RT	18	-	SIDE ROAD LIMITS
0010	11+00"H"	LT&RT	20	-	SIDE ROAD LIMITS
0010	6+50"I"	LT&RT	22	-	SIDE ROAD LIMITS
0010	12+00"I"	LT&RT	22	-	SIDE ROAD LIMITS
0010	11+30"J"	LT&RT	20	-	SIDE ROAD LIMITS
0010	8+50"K"	LT&RT	22	-	SIDE ROAD LIMITS
0010	12+00"L"	LT&RT	18	-	SIDE ROAD LIMITS
0010	9+00"M"	LT&RT	20	-	SIDE ROAD LIMITS
0010	9+00"N"	LT&RT	22	-	SIDE ROAD LIMITS
0010	8+70"O"	LT&RT	22	-	SIDE ROAD LIMITS
0010	11+00"P"	LT&RT	22	-	SIDE ROAD LIMITS
0010	8+70"Q"	LT&RT	22	-	SIDE ROAD LIMITS
0010	9+00"R"	LT&RT	19	4	SIDE ROAD LIMITS
0010	11+10"S"	LT&RT	24	-	SIDE ROAD LIMITS
0010	11+00"T"	LT&RT	22	-	SIDE ROAD LIMITS
0010	8+70"U"	LT&RT	18	-	SIDE ROAD LIMITS
0010	PROJECT WIDE		592	10	DRIVEWAYS
0010	PROJECT WIDE		110	-	CULVERT REPLACEMENTS
		TOTAL 0010	1,397	14	

SURVEY MONUMENT ITEMS

CATEGORY	STATION	LOCATION	621.0100 LANDMARK REFERENCE MONUMENTS EACH	SPV.0060.01 REESTABLISH SECTION CORNER MONUMENTS EACH
0010	411+03	RT	4	1
0010	471+54	RT	4	1
0010	535+41	LT	4	1
0010	561+82	LT	4	1
0010	588+22	LT	4	1
0010	614+76	RT	4	1
0010	641+20	LT	4	1
0010	667+70	LT	4	1
0010	9+20"K"	LT	4	1
		TOTAL 0010	36	9

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET

6170-00-21

COLOMA - WAUTOMA

MADISON STREET TO STH 22

STH 21

WAUSHARA COUNTY



CONVENTIONAL SYMBOLS

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

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

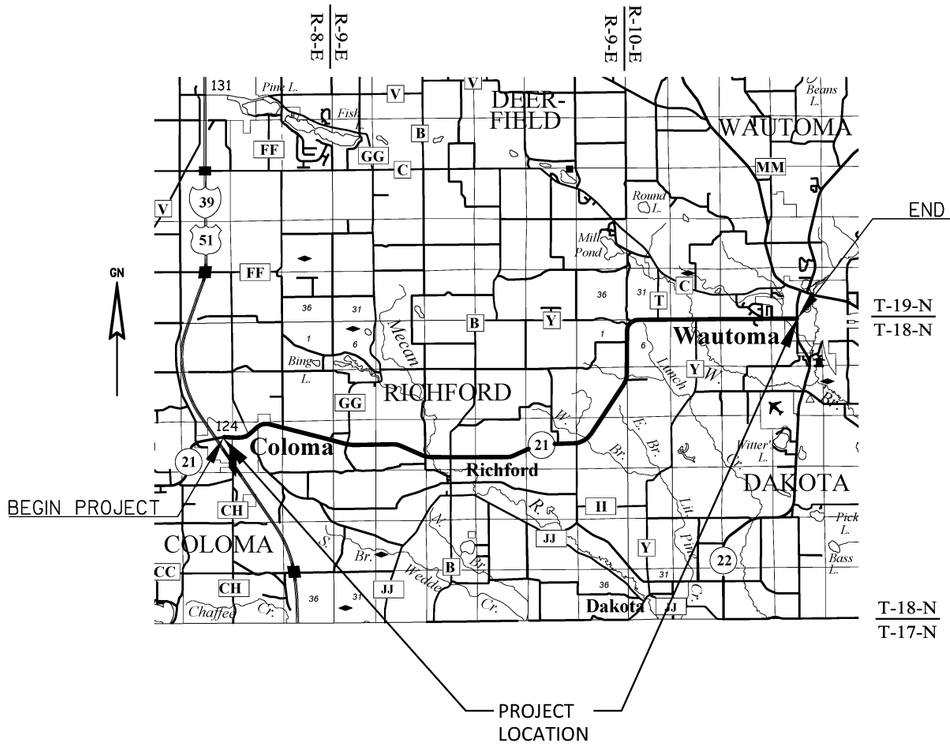
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE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

CURVE DATA

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

CONVENTIONAL UTILITY SYMBOLS

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



LAYOUT
SCALE 0 1.5 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6170-00-21

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS),WAUSHARA COUNTY, NAD 83 (2011) IN U.S. 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 ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

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

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

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

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

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

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21 - 4.01
SHEET 2 OF 3
AMENDMENT NO:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040100_RP.DWG
APPRAISAL PLAT DATE : 02/16/2021
PLOT DATE : 12/1/2020 9:04 AM
PLOT BY : DREW NELSON
PLOT NAME : _____
LAYOUT NAME - ****

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.01

THAT PART OF LOTS 1, 2, 5 AND 6 OF BLOCK 1 AND LOTS 4 AND 5 OF BLOCK 2 OF GRAVES ADDITION TO COLOMA STATION, NOW VILLAGE OF COLOMA LOCATED IN PART OF THE SW1/4 OF THE NW1/4 OF SECTION 14, TOWNSHIP 18 NORTH, RANGE 8 EAST, VILLAGE OF COLOMA, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW DIVISION JOB 4877, GRAVES ADDITION TO COLOMA STATION, CSM 5864, CSM 3742, PLAT OF SURVEYS AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR N 1ST ST: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR N MADISON ST: RW PROJECT 6170-00-20, GRAVES ADDITION TO COLOMA STATION, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR N LINDEN ST: RW PROJECT 6170-00-20, GRAVES ADDITION TO COLOMA STATION, AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR N SLATER ST: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR CTH FF: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

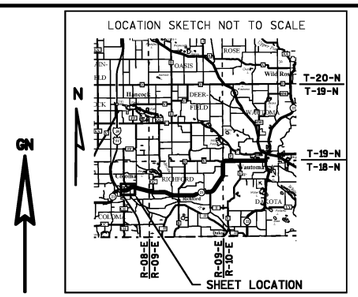
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
1	LAURA L. GABBERT	TLE	---	---	---	316
2	LONNIE L. ABBOTT	TLE	---	---	---	231
3	BRENDA F. RUBY	TLE	---	---	---	719
4	DUSTAN J SCHRAUFNAGEL	TLE	---	---	---	383
6	GARY R. DEHLING AND DEBROAH A. DEHLING	TLE	---	---	---	215

UTILITY INTERESTS REQUIRED

UTILITY		INTEREST
NUMBER	OWNER(S)	REQUIRED
201	UNION TELEPHONE COMPANY (COMMUNICATION)	RELEASE OF RIGHTS

(201) UNION TELEPHONE COMPANY (COMMUNICATIONS)
NO RECORD EASEMENT - PAR 1, PAR 2, PAR 4, PAR 6



GN

SCALE, FEET 0 100 200

FOUND WAUPACA
Y = 120997.343
X = 322869.804

T 18 N R 8 E SEC 11 14

S00°05'28"W
365.50'
MON TO IP1008

N51°21'17"E
124.07'
PC: 29+87.09 TO R/L 1009

IP1008

IP120

R/L 1009

CURVE 2

IP1010

IP1020

IP1010-IP1020
LCB=S50°25'30"W
LCH=74.36'
L=74.37'
R=1372.70'

IP105

NE/NW

PC: 29+87.09

R=N48°52'23"E

25

60'

QUARTER LINE

CTH FF

66'

PT: 17+99.42

IP104

IP1007

IP1006

20

IP123

CURVE 2
PI STA = 37+50.18
Y = 120936.314
X = 323346.935
DELTA = 56°04'55" RT
D = 3°59'57"
T = 763.09'
L = 1402.35'
R = 1432.70'
PC STA = 29+87.09
PT STA = 43+89.44
DA = S75° 02' 42"E

N00°05'28"E
2074.84'
MON TO IP1010

FOUND WAUPACA
Y = 121014.935
X = 320254.463

VILLAGE

NW/NW

SIXTEENTH LINE

SIXTEENTH LINE

S00°05'03"W
1659.00'
MON TO 1019

LOT 2
CSM 5864
V 32, P 231

LOT 2
CSM 3742
V 17, P 25

PLAT OF SURVEY DATED 12/23/2007

IP1004-IP1005
LCB=N76°21'32"E
LCH=482.06'
L=486.03'
R=1096.30'

PC: 9+95.42

IP1011

IP86

IP1012

IP448

IP1005

50'

60'

IP1012-1013
LCB=S58°09'52"W
LCH=354.94'
L=356.24'
R=1206.30'

N SLATER ST

IP82

IP87

IP1013

IP85

CURVE 1
PI STA = 14+14.76
Y = 119377.432
X = 321561.654
DELTA = 40°11'11" LT
D = 4°59'54"
T = 419.33'
L = 804.00'
R = 1146.30'
PC STA = 9+95.42
PT STA = 17+99.42

1001

0.05' E
0.14' S

1003

IP1004

IP450

IP101

14+24.09

IP97

IP98

IP100

50'

IP99

CURVE 1

STH 21

0.01' W
0.51' N

IP89

33'

N89°03'34"E 452.18'
1019 TO 1000
BP: 5+00.00

R/L 1000

1019
Y=119355.933
X=320252.025

50'

1016

IP449

1021

IP93

PL

IP92

IP88

1015

66'

DETAIL A

DETAIL B

DETAIL C

1018

IP1017
2.62' E
0.04' N

66'

N 1ST ST

N MADISON ST

UNIMPROVED CLARK ST

N LINDEN ST

BLOCK 1

BLOCK 2

GRAVES ADDITION TO COLOMA STATION

SIXTEENTH LINE

IP90

IP91

66'

IP96

IP94

IP95

SW/NW

OF

COLOMA

SE/NW

66'

IP83

N00°05'03"E
996.86'
MON TO 1019

FOUND WAUPACA
Y = 118359.071
X = 320250.560

FOUND 1.0" O.D IRON PIPE
Y = 118361.742
X = 322865.610

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

SEE SHEET 3 OF 3 FOR TABLES & DETAILS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR ADDITIONIAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

Document Number: 530146
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
02/17/2021 10:51:16 AM
Number of Pages: 3

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.01
AMENDMENT NO:____
SHEET 1 OF 3

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 02/16/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 2-16-21
PRINT NAME: Brent L Stella

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040101_RP.DWG
APPRAISAL PLAT DATE : 02/16/2021
PLOT DATE : 2/16/2021 12:33 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.01

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

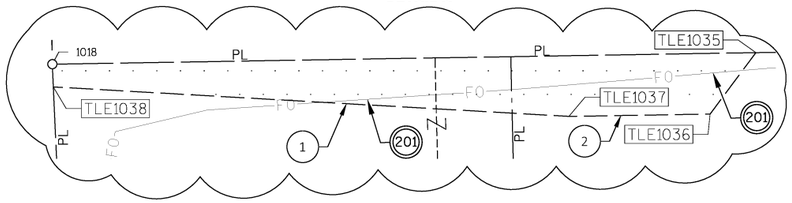
REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR ADDITIONIAL INFORMATION.

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.01

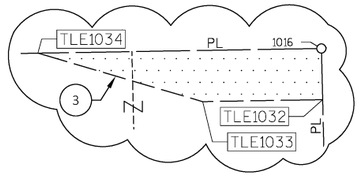
RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

4

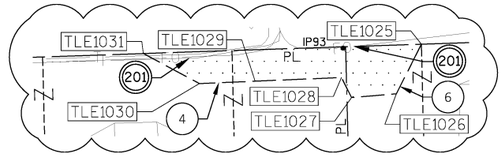
DETAIL A



DETAIL B



DETAIL C



GN

4

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1025	10+70.87	41.78'
TLE1026	10+63.58	54.29'
TLE1027	10+52.22	54.46'
TLE1028	10+50.04	49.01'
TLE1029	10+28.13	48.73'
TLE1030	10+14.03	48.78'
TLE1031	10+00.00	40.48'
TLE1032	8+57.76	63.50'
TLE1033	8+26.11	63.50'
TLE1034	7+82.86	50.00'
TLE1035	6+50.00	50.00'
TLE1036	6+43.83	58.00'
TLE1037	6+25.19	58.00'
TLE1038	5+57.21	53.00'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
IP88	13+20.37	84.03'
1000	5+57.13	0.00'
1001	5+57.13	-50.00'
1003	8+64.87	-50.00'
IP1004	9+95.42	-50.00'
IP1005	15+03.62	-50.00'
IP1006	18+25.68	-86.04'
IP1007	18+94.85	-85.98'
IP1008	31+77.60	-98.38'
1009	31+11.20	0.00'
IP1010	30+64.71	60.00'
IP1011	18+51.22	60.00'
IP1012	17+82.79	60.00'
1013	14+44.27	60.00'
1015	12+60.31	68.04'
1016	8+57.65	50.00'
1018	5+57.13	50.00'
IP1020	29+87.09	60.00'
1021	9+23.58	41.79'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1000-1001	N00° 56' 26"W	50.00'
1001-1003	N89° 03' 34"E	307.74'
1003-IP1004	N89° 03' 34"E	130.56'
IP1004- IP1005	SEE CURVE DATA ON SHEET	
IP1005- IP1006	N48° 55' 20"E	306.02'
IP1006- IP1007	N48° 55' 20"E	69.17'
IP1007- IP1008	N48° 55' 20"E	1295.23'
IP 1008-1009	S00° 05' 28"W	119.96'
1009- IP1010	S00° 05' 28"W	75.30'
IP1010- IP1020	SEE CURVE DATA ON SHEET	
IP1020- IP1011	S48° 52' 23"W	1135.87'
IP1011-IP1012	S48° 58' 41"W	69.30'
IP1012-1013	SEE CURVE DATA ON SHEET	
1013-IP88	S59° 23' 22"W	133.79'
IP88-1015	S88° 19' 50"W	66.00'
1015-1021	S88° 04' 22"W	350.01'
1021- 1016	S81° 57' 50"W	66.44'
1016-1018	S89° 03' 34"W	300.52'
1018-1000	N00° 56' 26"W	50.00'

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 82	119495.256	322016.917	0.75" IRON ROD
IP 83	119234.612	322130.787	1.25" O.D. IRON PIPE
IP 84	119083.172	322196.574	0.75" IRON ROD
IP 85	119419.577	321980.058	1.25" O.D. IRON PIPE
IP 86	119578.232	321880.100	1.25" O.D. IRON PIPE
IP 87	119413.127	321608.462	1.25" O.D. IRON PIPE
IP 88	119341.277	321487.021	2.375" O.D. IRON PIPE
IP 89	119339.864	321421.035	2.375" O.D. IRON PIPE
IP 90	119174.686	321425.363	1.25" O.D. IRON PIPE
IP 91	119119.119	321429.830	1.25" O.D. IRON PIPE
IP 92	119337.603	321321.044	1.25" O.D. IRON PIPE
IP 93	119331.575	321200.455	0.75" O.D. IRON PIPE
IP 94	118993.957	320719.186	2.375" O.D. IRON PIPE
IP 95	118942.926	320655.426	2.375" O.D. IRON PIPE
IP 96	118992.427	320653.265	2.375" O.D. IRON PIPE
IP 97	119411.720	320597.635	0.75" IRON ROD
IP 98	119418.262	321011.063	1.00" O.D. IRON PIPE
IP 99	119420.815	321174.042	1.00" O.D. IRON PIPE
IP 100	119404.640	321012.530	1.50" O.D. IRON PIPE
IP 101	119446.582	321362.445	2.375" O.D. IRON PIPE
IP 104	119821.306	321802.966	1.25" O.D. IRON PIPE
IP 105	120283.043	322475.889	1.25" O.D. IRON PIPE
IP 120	120555.281	322781.390	0.75" IRON ROD
IP 123	119834.616	322186.342	1.50" IRON ROD
IP 448	119569.785	321915.252	0.75" IRON ROD
IP 449	119325.594	321007.869	0.75" IRON ROD
IP 450	119422.591	321177.521	0.75" IRON ROD
IP 1004	119420.543	321141.555	MAGNAIL
IP 1005	119534.232	321610.019	0.75" IRON ROD W/CAP
IP 1006	119735.315	321840.706	0.75" IRON ROD W/CAP
IP 1007	119780.769	321892.851	0.75" IRON ROD W/CAP
IP 1008	120631.842	322869.222	0.75" IRON ROD W/CAP
IP 1010	120436.582	322868.912	0.75" IRON ROD W/CAP
IP 1011	119642.114	321955.998	0.75" IRON ROD W/CAP
IP 1012	119596.628	321903.714	0.75" IRON ROD W/CAP
IP 1017	119318.338	321008.057	0.75" IRON ROD W/CAP
IP 1020	120389.209	322811.596	0.75" IRON ROD W/CAP

TPP NUMBER 6170-00-21-4.01
SHEET 3 OF 3

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040101_RP.DWG
PLOT DATE : 2/16/2021 11:28 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : ##########
APPRAISAL PLAT DATE : 02/16/2021

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.02

THAT PART OF THE SE1/4 OF THE NE1/4 OF SECTION 13, TOWNSHIP 18 NORTH, RANGE 8 EAST, TOWN OF COLOMA, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

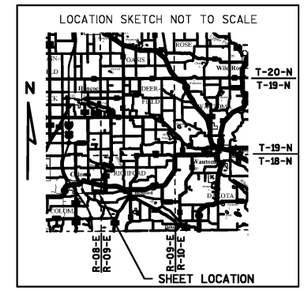
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW DIVISION JOB 4877, PLAT OF SURVEYS AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR CREE RD: RW PROJECT 6170-00-20, PLAT OF SURVEY AND EXISTING CENTERLINE.

GN

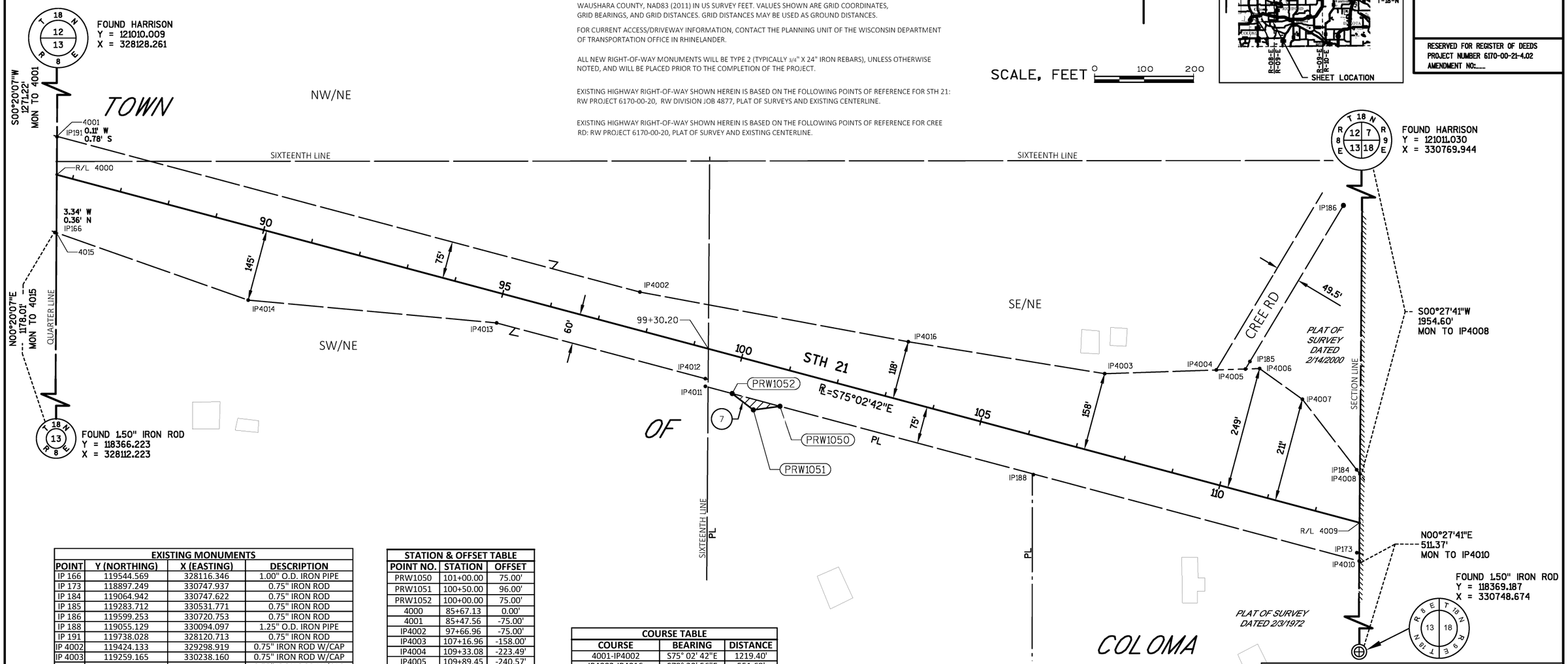
SCALE, FEET 0 100 200

LOCATION SKETCH NOT TO SCALE



Document Number: 530454
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/03/2021 12:34:45 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.02
AMENDMENT NO:____



EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 166	119544.569	328116.346	1.00" O.D. IRON PIPE
IP 173	118897.249	330747.937	0.75" IRON ROD
IP 184	119064.942	330747.622	0.75" IRON ROD
IP 185	119283.712	330531.771	0.75" IRON ROD
IP 186	119599.253	330720.753	0.75" IRON ROD
IP 188	119055.129	330094.097	1.25" O.D. IRON PIPE
IP 191	119738.028	328120.713	0.75" IRON ROD
IP 4002	119424.133	329298.919	0.75" IRON ROD W/CAP
IP 4003	119259.165	330238.160	0.75" IRON ROD W/CAP
IP 4004	119266.661	330463.860	0.75" IRON ROD W/CAP
IP 4005	119268.616	330522.730	0.75" IRON ROD W/CAP
IP 4006	119269.570	330551.457	0.75" IRON ROD W/CAP

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1050	101+00.00	75.00'
PRW1051	100+50.00	96.00'
PRW1052	100+00.00	75.00'
4000	85+67.13	0.00'
4001	85+47.56	-75.00'
IP4002	97+66.96	-75.00'
IP4003	107+16.96	-158.00'
IP4004	109+33.08	-223.49'
IP4005	109+89.45	-240.57'
IP4006	110+16.96	-248.90'
IP4007	111+16.59	-211.18'
IP4008	112+67.83	-95.36'
4009	112+92.48	0.00'
IP4010	113+11.87	75.00'
IP4011	99+43.91	75.00'
IP4012	99+39.95	60.00'
IP4013	95+03.18	60.00'
IP4014	90+06.18	145.00'
4015	85+96.68	113.30'
IP4016	103+16.96	-118.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
4001-IP4002	S75° 02' 42"E	1219.40'
IP4002-IP4016	S79° 30' 56"E	551.68'
IP4016-IP4003	S80° 45' 20"E	402.00'
IP4003-IP4004	N88° 05' 52"E	225.82'
IP4004-IP4005	N88° 05' 52"E	58.90'
IP4005-IP4006	N88° 05' 52"E	28.74'
IP4006-IP4007	S54° 18' 26"E	106.53'
IP4007-IP4008	S37° 36' 05"E	190.49'
IP4008-4009	S00° 27' 41"W	98.50'
4009-IP4010	S00° 27' 41"W	77.47'
IP4010-PRW1050	N75° 02' 42"W	1211.87'
PRW1050-PRW1051	S82° 10' 21"W	54.23'
PRW1051-PRW1052	N52° 15' 46"W	54.23'
PRW1052-IP4011	N75° 02' 42"W	56.09'
IP4011-IP4012	N00° 09' 23"E	15.51'
IP4012-IP4013	N75° 02' 42"W	436.76'
IP4013-IP4014	N84° 45' 01"W	504.22'
IP4014-4015	N70° 37' 08"W	410.73'
4015-4000	N00° 20' 07"E	117.09'
4000-4001	N00° 20' 07"E	77.51'

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
7	RICHARD A. VOLKERT AND NANCY L. VOLKERT	FEE	1050	---	1050	---

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

emcs LLC

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 02/25/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 2-25-21
PRINT NAME: Brent L Stella

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040102_RP.DWG
APPRAISAL PLAT DATE : 02/25/2021
PLOT DATE : 2/25/2021 9:45 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.02

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.03

THAT PART OF THE SW1/4 OF THE NE1/4, PART OF THE SE1/4 OF THE NE1/4, PART OF THE NW1/4 OF THE SE1/4 AND PART OF THE NE1/4 OF THE SE1/4, ALL IN SECTION 18, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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SCHEDULE OF LANDS & INTERESTS REQUIRED

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

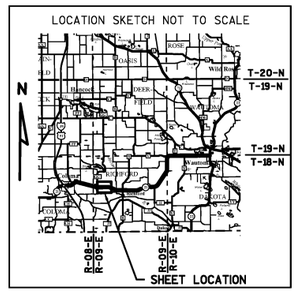
PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
8	JEFFREY R. RUDE AND JEAN M. RUDE	FEE	1875	---	1875	---
9	PAUL L. HALMBACHER AND SALLY J. HALMBACHER	FEE/TLE	11588	---	11588	498

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1095	148+10.00	98.50'
TLE1096	148+10.00	101.50'
TLE1097	147+72.57	101.50'
TLE1098	146+50.00	63.14'

COURSE TABLE		
COURSE	BEARING	DISTANCE
IP6001-IP6002	SEE CURVE DATA ON SHEET	
IP6002-IP6003	N89° 28' 33"E	506.54'
IP6003-IP228	N72° 46' 57"E	305.68'
IP228-IP6005	N84° 26' 18"E	332.49'
IP6005-IP6006	S82° 00' 53"E	790.70'
IP6006-IP6007	N89° 28' 33"E	192.64'
IP6007-6008	S00° 45' 06"W	60.01'
6008-IP6009	S00° 45' 06"W	60.01'
IP6009-PRW1075	S89° 28' 33"W	531.88'
PRW1075-PRW1077	S65° 06' 29"W	93.31'
PRW1077-PRW1078	S89° 28' 33"W	196.97'
PRW1078-PRW1080	N73° 08' 53"W	128.92'
PRW1080-IP6010	S89° 28' 33"W	370.38'
IP6010-IP6011	S00° 36' 32"W	20.00'
IP6011-PRW1081	S89° 28' 33"W	114.22'
PRW1081-PRW1083	S64° 42' 03"W	71.59'
PRW1083-PRW1085	N63° 57' 33"W	67.08'
PRW1085-IP6012	S89° 28' 33"W	227.13'
IP6012-IP6013	S67° 40' 28"W	24.94'
IP6013-IP6014	S67° 40' 28"W	93.53'
IP6014-IP6015	S85° 45' 25"W	200.42'
IP6015-IP6016	N85° 05' 50"W	200.90'
IP6016-IP6017	N76° 39' 41"W	102.78'
IP6017-IP6018	N76° 39' 41"W	237.28'
IP6018-6000	N00° 28' 00"E	82.33'
6000-IP6001	N00° 28' 00"E	60.81'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
6000	129+71.41	0.00'
IP6001	129+61.41	-60.00'
IP6002	134+84.37	-60.00'
IP6003	139+90.91	-60.00'
IP228	142+83.70	-147.81'
IP6005	146+14.91	-177.00'
IP6006	153+96.91	-60.00'
IP6007	155+89.55	-60.00'
6008	155+88.21	0.00'
IP6009	155+86.88	60.00'
IP6010	142+79.62	60.00'
IP6011	142+79.22	80.00'
IP6012	138+12.87	80.00'
IP6013	137+89.72	89.26'
IP6014	137+02.87	124.00'
IP6015	135+02.87	137.00'
IP6016	133+10.27	123.52'
IP6017	132+12.78	106.72'
IP6018	129+84.30	81.29'
PRW1075	150+55.00	60.00'
PRW1077	149+70.00	98.50'
PRW1078	147+73.03	98.50'
PRW1080	146+50.00	60.00'
PRW1081	141+65.00	80.00'
PRW1083	141+00.00	110.00'
PRW1085	140+40.00	80.00'

LOCATION SKETCH NOT TO SCALE



Document Number: 530455
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/03/2021 12:35:37 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.03
AMENDMENT NO:____

FOUND RR SPIKE
Y = 121060.759
X = 332398.755

S00°28'00"W
2463.72'
MON TO IP6001

TOWN

SW/NE

SIXTEENTH LINE

QUARTER LINE

CURVE 3
PI STA = 130+99.73
Y = 118491.621
X = 332499.455
DELTA = 15°28'45" LT
D = 1°59'59"
T = 389.38'
L = 774.01'
R = 2865.00'
PC STA = 127+10.36
PT STA = 134+84.37
DB = N75°02'42"W

IP6001-IP6002
LCB=S85°17'42"E
LCH=511.30'
L=512.01'
R=2805.00'

R/L 6000-PT: 134+84.37
LCB=S85°23'42"E
LCH=512.27'
L=512.96'
R=2865.00'

IP6001 IP6002 IP6003 IP228 IP6005 IP6006 IP6007

130 135 140 145 150 155

R/L 6000 CURVE 3 R/L 6008

60' 124' 137' 124' 80' 148' 177' 60' 60'

PT: 134+84.37

N89°04'27"E
586.65'
IP6017 TO IP6013

142+80.81

IP6018 IP6017 IP6016 IP6015 IP6014 IP6013 IP6012 IP6011 IP6010 IP6009

PL

N00°28'00"E
58.48'
MON TO IP6018

FOUND 0.75" IRON ROD
Y = 118395.501
X = 332377.048

N89°04'27"E
231.38'
MON TO IP6017

S89°04'27"W
1796.83'
MON TO IP6013

PRW1085 PRW1083 PRW1081 PRW1080 PRW1078 PRW1075 PRW1077

140+54.81
87.40'

141+50.41
86.73'

STH 21

R=N89°28'33"E

150+09.27
80.71'

DETAIL A

NW/SE NE/SE

SE/NE

FOUND WAUPACA
Y = 121092.554
X = 335026.394

SECTION LINE

S00°45'06"W
2518.33'
MON TO IP6007

N00°45'06"E
16.67'
MON TO IP6009

N00°14'09"W
2654.50'
MON TO MON

FOUND HARRISON
Y = 118437.747
X = 334991.566

FOUND WAUPACA
Y = 115783.270
X = 335002.492

RICHFORD

DETAIL A

PRW1080 STH 21 PL
TLE1098
QUARTER LINE
147+22.62
82.72'
TLE
498 SQ FT
PRW1078
TLE1097
TLE1095
TLE1096

GN

SCALE, FEET 0 100 200

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 228	118650.293	333686.766	1.25" O.D. IRON PIPE
IP 6001	118597.120	332378.690	0.75" IRON ROD W/CAP
IP 6002	118555.180	332888.265	0.75" IRON ROD W/CAP
IP 6003	118559.814	333394.788	0.75" IRON ROD W/CAP
IP 6005	118682.517	334017.691	0.75" IRON ROD W/CAP
IP 6006	118572.675	334800.729	0.75" IRON ROD W/CAP
IP 6007	118574.437	334993.359	0.75" IRON ROD W/CAP
IP 6009	118454.418	334991.785	0.75" IRON ROD W/CAP
IP 6010	118442.459	333684.582	0.75" IRON ROD W/CAP
IP 6011	118422.457	333684.369	0.75" IRON ROD W/CAP
IP 6012	118418.191	333218.040	0.75" IRON ROD W/CAP
IP 6013	118408.717	333194.970	0.75" IRON ROD W/CAP
IP 6014	118373.186	333108.447	0.75" IRON ROD W/CAP
IP 6015	118358.357	332908.574	0.75" IRON ROD W/CAP
IP 6016	118375.527	332708.408	0.75" IRON ROD W/CAP
IP 6017	118399.239	332608.400	0.75" IRON ROD W/CAP
IP 6018	118453.980	332377.524	0.75" IRON ROD W/CAP

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW DIVISION JOB 4877 AND EXISTING CENTERLINE.

emcs.llc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 02/25/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER

SIGNATURE: Brent L Stella DATE: 2-25-21
PRINT NAME: Brent L Stella

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040103_RP.DWG
APPRAISAL PLAT DATE : 02/25/2021
PLOT DATE : 2/25/2021 9:59 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.03

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.04

THAT PART OF THE SE1/4 OF THE NW1/4 OF SECTION 17, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

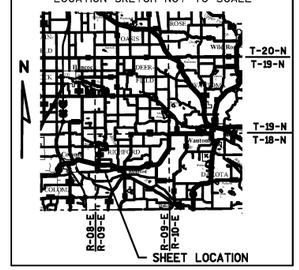
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
11	TRUSTEES OF THE WISCONSIN OPERATING ENGINEERS SKILL IMPROVEMENT & APPRETICESHIP FUND	FEE	987	---	987	---

LOCATION SKETCH NOT TO SCALE



Document Number: 530457
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/03/2021 12:37:47 PM
Number of Pages: 1

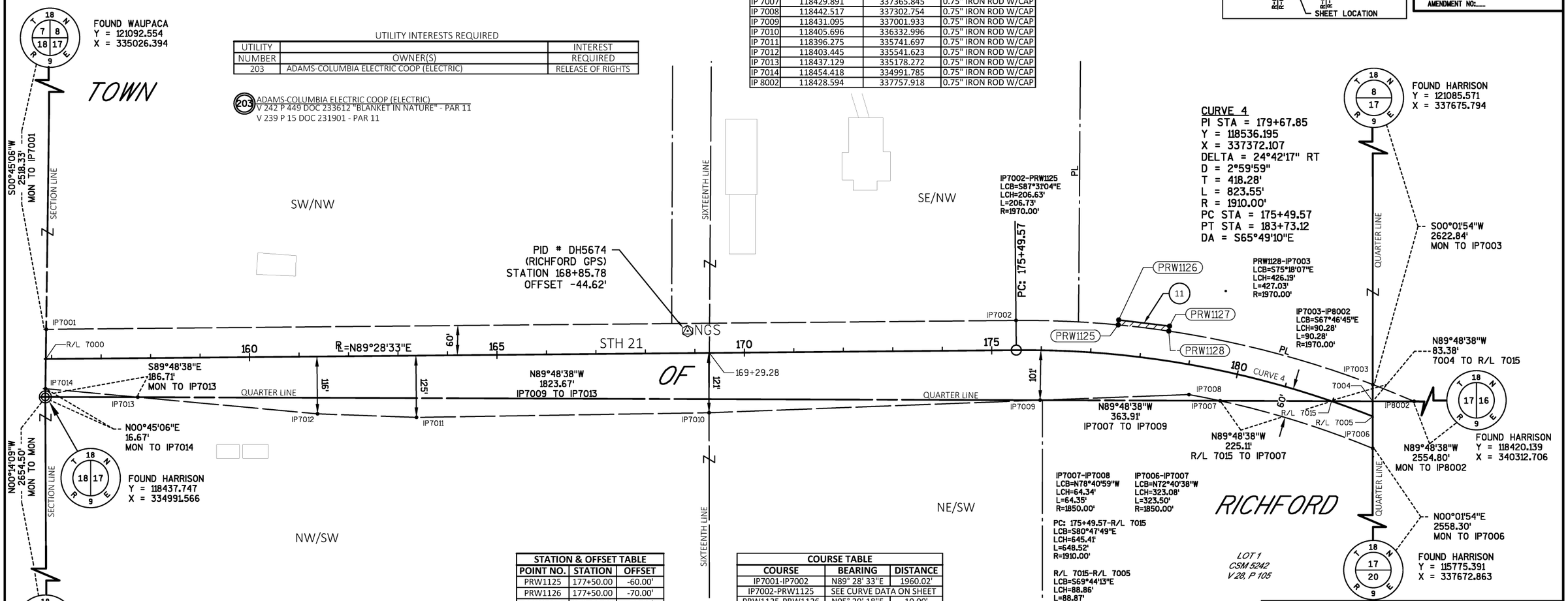
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.04
AMENDMENT NO:____

UTILITY INTERESTS REQUIRED

UTILITY		INTEREST
NUMBER	OWNER(S)	REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS

203 ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
V 242 P 449 DOC 233612 "BLANKET IN NATURE" - PAR 11
V 239 P 15 DOC 231901 - PAR 11

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 7001	118574.437	334993.359	0.75" IRON ROD W/CAP
IP 7002	118592.366	336953.299	0.75" IRON ROD W/CAP
IP 7003	118462.735	337674.346	0.75" IRON ROD W/CAP
IP 7006	118333.692	337674.275	0.75" IRON ROD W/CAP
IP 7007	118429.891	337365.845	0.75" IRON ROD W/CAP
IP 7008	118442.517	337302.754	0.75" IRON ROD W/CAP
IP 7009	118431.095	337001.933	0.75" IRON ROD W/CAP
IP 7010	118405.696	336332.996	0.75" IRON ROD W/CAP
IP 7011	118396.275	335741.697	0.75" IRON ROD W/CAP
IP 7012	118403.445	335541.623	0.75" IRON ROD W/CAP
IP 7013	118437.129	335178.272	0.75" IRON ROD W/CAP
IP 7014	118454.418	334991.785	0.75" IRON ROD W/CAP
IP 8002	118428.594	337757.918	0.75" IRON ROD W/CAP



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW DIVISION JOB 4877, CSM 5242 AND EXISTING CENTERLINE.

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1125	177+50.00	-60.00'
PRW1126	177+50.00	-70.00'
PRW1127	178+50.00	-70.00'
PRW1128	178+50.00	-60.00'
7000	155+88.21	0.00'
IP7001	155+89.55	-60.00'
IP7002	175+49.57	-60.00'
IP7003	182+64.02	-60.00'
7004	182+75.91	-28.40'
7005	182+86.96	0.00'
IP7006	183+11.50	60.00'
IP7007	179+77.52	60.00'
IP7008	179+11.08	60.00'
IP7009	175+99.37	101.09'
IP7010	169+27.59	120.99'
IP7011	163+36.23	125.00'
IP7012	161+36.23	116.00'
IP7013	157+73.20	78.99'
IP7014	155+86.88	60.00'
7015	181+98.09	0.00'
IP8002	183+51.56	-60.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
IP7001-IP7002	N89° 28' 33"E	1960.02'
IP7002-PRW1125	SEE CURVE DATA ON SHEET	
PRW1125-PRW1126	N05° 29' 18"E	10.00'
PRW1126-PRW1127	S83° 00' 42"E	103.65'
PRW1127-PRW1128	S08° 29' 17"W	10.00'
PRW1128-IP7003	SEE CURVE DATA ON SHEET	
IP7003-IP8002	SEE CURVE DATA ON SHEET	
IP8002-7004	N89° 48' 38"W	83.59'
7004-7005	S00° 01' 54"W	30.50'
7005-IP7006	S00° 01' 54"W	64.68'
IP7006-IP7007	SEE CURVE DATA ON SHEET	
IP7007-IP7008	SEE CURVE DATA ON SHEET	
IP7008-IP7009	S87° 49' 32"W	301.04'
IP7009-IP7010	S87° 49' 32"W	669.42'
IP7010-IP7011	S89° 05' 14"W	591.37'
IP7011-IP7012	N87° 56' 51"W	200.20'
IP7012-IP7013	N84° 42' 13"W	364.91'
IP7013-IP7014	N84° 42' 13"W	187.29'
IP7014-7000	N00° 45' 06"E	60.01'
7000-IP7001	N00° 45' 06"E	60.01'

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

GN

SCALE, FEET 0 100 200

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 02/25/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER

SIGNATURE: Brent L Stella DATE: 2-25-21
PRINT NAME: Brent L Stella

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040104_RP.DWG
APPRAISAL PLAT DATE : 02/25/2021
PLOT DATE : 2/25/2021 10:04 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.04

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.05

THAT PART OF LOT 2 OF CSM 3200 LOCATED IN PART OF THE NW1/4 OF THE SE1/4 AND PART OF LOT 2 OF CSM 6598 LOCATED IN PART OF THE NE1/4 OF THE SE1/4, AND PART OF THE NE1/4 OF THE SE 1/4, ALSO PART OF THE NW 1/4 OF THE SE 1/4, ALL IN SECTION 17, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN

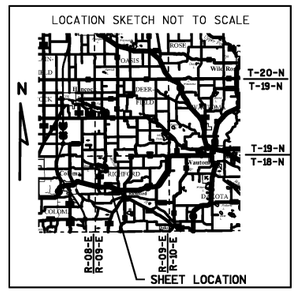
RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH NOT TO SCALE



Document Number: 530308
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
02/25/2021 08:09:49 AM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.05
AMENDMENT NO:____

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

FOUND HARRISON
Y = 118437.747
X = 334991.566

S89°48'38"E
2682.78'
MON TO IP8001

N89°48'38"W 2517.60' MON TO 8003

4.36' W
0.10' N IP216

IP8002
8001
8003

PT: 183+73.12

QUARTER LINE

CURVE 4

R/L 8000

IP8018

IP8019

IP8018-IP8019
LCB=N66°38'51"W
LCH=53.04'
L=53.04'
R=1835.00'

R/L 8000-PT: 183+73.12
LCB=S67°06'42"E
LCH=86.16'
L=86.16'
R=1910.00'

LOT 1
CSM 3200
V 13, P 139

FOUND HARRISON
Y = 118420.139
X = 340312.706

LOT 2
CSM 3200
V 13, P 139

IP214

185

75'

75'

PL

190

STH 21

R=S65°49'10"E

195

TOWN

CURVE 4
PI STA = 179+67.85
Y = 118536.195
X = 337372.107
DELTA = 24°42'17" RT
D = 2°59'59"
T = 418.28'
L = 823.55'
R = 1910.00'
PC STA = 175+49.57
PT STA = 183+73.12
DB = S89°28'33"W

TLE1175
PRW1155
TLE1176
PRW1156
11
TLE
1852 SQ FT
8005
1.05' W
0.78' N
IP212
TLE1177
PRW1157
IP215
197+35.94

TLE1181
TLE
654 SQ FT
16
PRW1167
PRW1166
16
PRW1165
PRW1164
IP8017
IP8016

NW/SE

REFER TO TPP PAGE 4.04 FOR THE INFORMATION FOR THE N1/4 CORNER OF SECTION 17.

OF

LOT 1
CSM 4076
V 19, P 142

NE/SE

200

115'

130'

8006
0.40' W
0.05' N
IP210
PRW1158
1.21' W
3.83' S IP209
13
PRW1163
PRW1159
205
60'
PRW1160
TLE1180
IP8014
IP8015
TLE1179
PRW1162
14
TLE
979 SQ FT
14
PRW1161
TLE1178
210

PC: 209+05.32

IP8008-IP8009
LCB=S69°34'16"E
LCH=242.11'
L=242.28'
R=1850.00'
49.5'

IP8008
IP8009
CURVE 5
IP8010
R/L 8011
IP8013
IP8012
49.5'

CURVE 5
PI STA = 212+85.46
Y = 117171.925
X = 340410.491
DELTA = 22°30'47" LT
D = 2°59'59"
T = 380.15'
L = 750.49'
R = 1910.00'
PC STA = 209+05.32
PT STA = 216+55.80
DA = S88° 19' 56"E

PC: 209+05.32-R/L 8011
LCB=S70°01'00"E
LCH=279.60'
L=279.85'
R=1910.00'

LOT 1
CSM 49
V 55, P 1

LOT 2
CSM 6598
V 38, P 69

FOUND HARRISON
Y = 118420.139
X = 340312.706

S00°39'48"E
1122.04'
MON TO IP8010

NOO°01'54"E
2542.08'
MON TO 8019

QUARTER LINE

SECTION LINE

9TH AVE

9TH AVE

SIXTEENTH LINE

SIXTEENTH LINE

FOUND HARRISON
Y = 115775.391
X = 337672.863

NOO°39'48"W
1374.27'
MON TO IP8012

FOUND HARRISON
Y = 115765.445
X = 340343.440

RICHFORD

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
11	WISCONSIN OPERATING ENGINEERS SKILL IMPROVEMENT AND APPRENTICESHIP FUND	FEE/TLE	7089	---	7089	1852
13	CHRISTIAN N. HERSHBERGER AND SUSIE L. HERSHBERGER	FEE	2093	---	2093	---
14	KATHY SCHWERSENSKA	FEE/TLE	3794	---	3794	979
16	GERALD J. SCHWARTZ, JR. AND BRENDA A. SCHWARTZ	FEE/TLE	2592	---	2592	654

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1175	193+09.09	-75.00'
TLE1176	194+53.99	-103.50'
TLE1177	196+88.78	-103.50'
TLE1178	208+30.82	60.00'
TLE1179	206+26.31	80.00'
TLE1180	204+89.86	80.00'
TLE1181	194+00.00	75.00'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1155	193+35.00	-75.00'
PRW1156	194+54.47	-98.50'
PRW1157	196+91.06	-98.50'
PRW1158	204+90.63	-69.99'
PRW1159	207+00.00	-70.00'
PRW1160	207+00.00	-60.00'
PRW1161	208+00.00	60.00'
PRW1162	206+26.16	77.00'
PRW1163	204+89.88	77.00'
PRW1164	197+00.00	75.00'
PRW1165	197+00.00	88.00'
PRW1166	195+00.63	88.00'
PRW1167	195+00.63	75.00'
8000	182+86.96	0.00'
8001	182+75.91	-28.40'
IP8002	183+51.56	-60.00'
8003	183+84.87	-75.00'
8005	196+83.54	-115.00'
8006	204+90.86	-115.00'
IP8008	209+05.32	-60.00'
IP8009	211+55.46	-60.00'
IP8010	211+65.80	-63.29'
8011	211+85.16	0.00'
IP8012	212+10.18	88.86'
IP8013	211+95.12	82.90'
IP8015	204+89.61	130.00'
IP8016	197+95.17	130.00'
IP8017	197+70.11	75.00'
IP8018	183+73.12	75.00'
IP8019	183+17.91	75.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
8001-IP8002	S89° 48' 38"E	83.59'
IP8002-8003	S89° 48' 38"E	37.20'
8003-PRW1155	S65° 49' 10"E	950.13'
PRW1155-PRW1156	S76° 56' 50"E	121.76'
PRW1156-PRW1157	S65° 49' 10"E	236.58'
PRW1157-8005	N00° 18' 57"W	18.13'
8005-8006	S65° 49' 10"E	807.32'
8006-PRW1158	S24° 28' 22"W	45.01'
PRW1158-PRW1159	S65° 49' 16"E	209.37'
PRW1159-PRW1160	S24° 10' 50"W	10.00'
PRW1160-IP8008	S65° 49' 10"E	205.32'
IP8008-IP8009	SEE CURVE DATA ON SHEET	
IP8009-IP8010	N88° 18' 40"E	10.54'
IP8010-8011	S00° 39' 48"E	66.09'
8011-IP8012	S00° 39' 48"E	92.48'
IP8012-IP8013	N53° 58' 52"W	16.84'
IP8013-PRW1161	N65° 49' 10"W	406.54'
PRW1161-PRW1162	N71° 24' 17"W	174.66'
PRW1162-PRW1163	N65° 49' 10"W	136.29'
PRW1163-IP8015	S24° 28' 22"W	53.00'
IP8015-IP8016	N65° 49' 10"W	694.43'
IP8016-IP8017	N00° 18' 57"W	60.44'
IP8017-PRW1164	N65° 49' 10"W	70.11'
PRW1164-PRW1165	S24° 10' 50"W	13.00'
PRW1165-PRW1166	N65° 49' 10"W	199.37'
PRW1166-PRW1167	N24° 10' 50"E	13.00'
PRW1167-IP8018	N65° 49' 10"W	1127.51'
IP8018-IP8019	SEE CURVE DATA ON SHEET	
IP8019-8000	N00° 01' 54"E	80.90'
8000-8001	N00° 01' 54"E	30.50'

203 ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
V 892 P 554 DOC 466860 "BLANKET IN NATURE" - PAR 16
V 239 P 15 DOC 231901 "BLANKET IN NATURE" - PAR 13

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 209	117557.527	339712.853	1.25" O.D. IRON PIPE
IP 210	117602.366	339732.304	1.25" O.D. IRON PIPE
IP 212	117933.784	338995.178	0.75" IRON ROD
IP 214	118180.527	338332.691	0.75" IRON ROD
IP 215	117877.064	338996.209	0.75" IRON ROD
IP 216	118428.569	337790.760	0.75" IRON ROD
IP 8002	118428.594	337757.918	0.75" IRON ROD W/CAP
IP 8008	117382.375	340088.276	0.75" IRON ROD W/CAP
IP 8009	117297.868	340315.159	0.75" IRON ROD W/CAP
IP 8010	117298.179	340325.695	0.75" IRON ROD W/CAP
IP 8012	117139.618	340327.531	0.75" IRON ROD W/CAP
IP 8013	117149.520	340313.912	0.75" IRON ROD W/CAP
IP 8014	117443.039	339660.212	0.75" IRON ROD W/CAP
IP 8015	117379.327	339631.213	0.75" IRON ROD W/CAP
IP 8016	117663.776	338997.712	0.75" IRON ROD W/CAP
IP 8017	117724.216	338997.378	0.75" IRON ROD W/CAP
IP 8018	118296.443	337722.962	0.75" IRON ROD W/CAP
IP 8019	118317.468	337674.266	0.75" IRON ROD W/CAP

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

ACCESS CONTROL PER CSM 6598, CSM 4076

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW DIVISION JOB 4877, CSM 3200, CSM 4076, CSM 6598 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR 9TH AVE: RW PROJECT 6170-00-20, CSM 6598 AND EXISTING CENTERLINE.

GN

SCALE, FEET 0 100 200

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 02/17/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 2-23-21
PRINT NAME: Brent L Stella

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040105_RP.DWG
APPRAISAL PLAT DATE : 02/17/2021
PLOT DATE : 2/17/2021 2:37 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.05

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.06

THAT PART OF LOT 1 OF CSM 1214 LOCATED IN PART OF THE NE1/4 OF THE SW1/4, ALSO PART OF THE NE1/4 OF THE SW1/4, AND PART OF THE SE1/4 OF THE SW1/4 OF SECTION 16, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

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

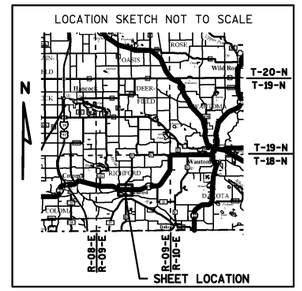
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW DIVISION JOB 4877, RW PROJECT S 0500 (12), CSM 1214, CSM 1543, CSM 4746, PLAT OF SURVEYS AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR 9TH AVE: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR CTH B: RW PROJECT 6170-00-20, CSM 1214 AND EXISTING CENTERLINE.

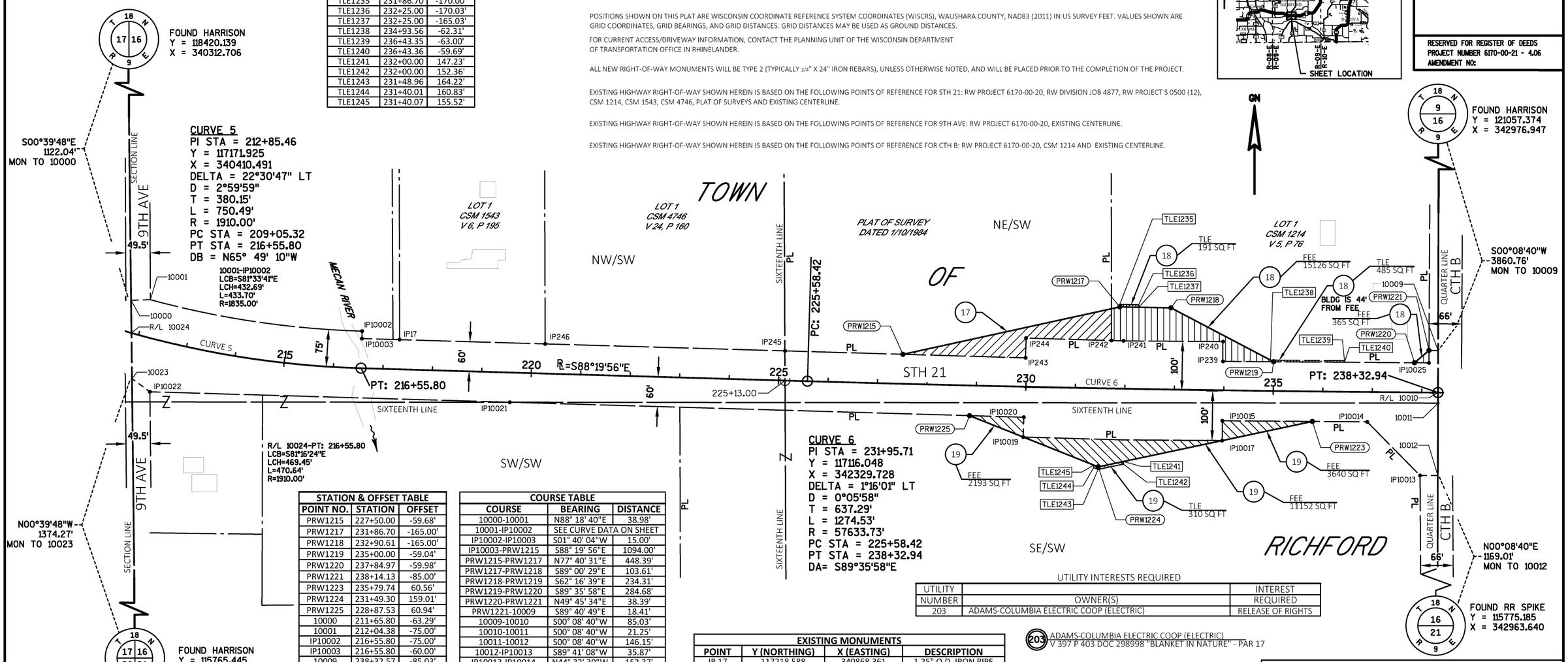
LOCATION SKETCH NOT TO SCALE



Document Number: 530458
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/03/2021 12:38:57 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21 - 4.06
AMENDMENT NO:

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1235	231+86.70	-170.00'
TLE1236	232+25.00	-170.03'
TLE1237	232+25.00	-165.03'
TLE1238	234+93.56	-62.31'
TLE1239	236+43.35	-63.00'
TLE1240	236+43.36	-59.69'
TLE1241	232+00.00	147.23'
TLE1242	232+00.00	152.36'
TLE1243	231+48.96	164.22'
TLE1244	231+40.01	160.83'
TLE1245	231+40.07	155.52'



STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1215	227+50.00	-59.68'
PRW1217	231+86.70	-165.00'
PRW1218	232+90.61	-165.00'
PRW1219	235+00.00	-59.04'
PRW1220	237+84.97	-59.98'
PRW1221	238+14.13	-85.00'
PRW1223	235+79.74	60.56'
PRW1224	231+49.30	159.01'
PRW1225	228+87.53	60.94'
10000	211+65.80	-63.29'
10001	212+04.38	-75.00'
IP10002	216+55.80	-75.00'
IP10003	216+55.80	-60.00'
10009	238+32.57	-85.03'
10010	238+32.95	0.00'
10011	238+33.04	21.25'
10012	238+33.70	167.40'
IP10013	237+97.94	167.86'
IP10014	236+90.35	60.18'
IP10017	233+98.22	101.64'
IP10019	229+96.74	101.67'
IP10021	219+58.30	60.00'
IP10022	212+49.85	105.35'
10023	212+10.18	88.86'
10024	211+85.16	0.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
10000-10001	N88° 18' 40"E	38.98'
10001-IP10002	SEE CURVE DATA ON SHEET	
IP10002-IP10003	S01° 40' 04"W	15.00'
IP10003-PRW1215	S88° 19' 56"E	1094.00'
PRW1215-PRW1217	N77° 40' 31"E	448.39'
PRW1217-PRW1218	S89° 00' 29"E	103.61'
PRW1218-PRW1219	S62° 16' 39"E	234.31'
PRW1219-PRW1220	S89° 35' 58"E	284.68'
PRW1220-PRW1221	N49° 45' 34"E	38.39'
PRW1221-10009	S89° 40' 49"E	18.41'
10009-10010	S00° 08' 40"W	85.03'
10010-10011	S00° 08' 40"W	21.25'
10011-10012	S00° 08' 40"W	146.15'
10012-IP10013	S89° 41' 08"W	35.87'
IP10013-IP10014	N44° 32' 30"W	152.37'
IP10014-PRW1223	N89° 35' 58"W	110.73'
PRW1223-IP10017	S78° 00' 24"W	186.37'
IP10017-PRW1224	S78° 00' 24"W	255.99'
PRW1224-IP10019	N68° 17' 16"W	163.30'
IP10019-PRW1225	N68° 17' 16"W	116.70'
PRW1225-IP10021	N88° 19' 56"W	929.57'
IP10021-IP10022	N88° 19' 56"W	727.62'
IP10022-10023	N53° 58' 52"W	44.82'
10023-10024	N00° 39' 48"W	92.48'
10024-10000	N00° 39' 48"W	66.09'

CURVE 6
PI STA = 231+95.71
Y = 117116.048
X = 342329.728
DELTA = 1°16'01" LT
D = 0°05'58"
T = 637.29'
L = 1274.53'
R = 57633.73'
PC STA = 225+58.42
PT STA = 238+32.94
DA= S89°35'58"E

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS

203 ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
V 397 P 403 DOC 298998 "BLANKET IN NATURE" - PAR 17

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 17	117218.588	340868.361	1.25" O.D. IRON PIPE
IP 239	117174.627	342532.506	1.00" O.D. IRON PIPE
IP 240	117214.717	342532.809	1.00" O.D. IRON PIPE
IP 241	117216.252	342331.664	1.00" O.D. IRON PIPE
IP 242	117216.957	342307.118	1.00" O.D. IRON PIPE
IP 243	117181.973	342133.532	1.00" O.D. IRON PIPE
IP 244	117221.900	342134.508	1.00" O.D. IRON PIPE
IP 245	117195.897	341647.294	1.00" O.D. IRON PIPE
IP 246	117210.073	341162.611	0.75" IRON ROD
IP 10002	117235.831	340792.660	0.75" IRON ROD W/CAP
IP 10003	117220.837	340792.224	0.75" IRON ROD W/CAP
IP 10013	116943.993	342930.720	0.75" IRON ROD W/CAP
IP 10014	117052.592	342823.845	0.75" IRON ROD W/CAP
IP 10015	117054.639	342531.103	0.75" IRON ROD W/CAP
IP 10017	117014.640	342530.824	0.75" IRON ROD W/CAP
IP 10019	117021.858	342128.702	0.75" IRON ROD W/CAP
IP 10020	117061.842	342129.866	0.75" IRON ROD W/CAP
IP 10021	117092.085	341091.102	0.75" IRON ROD W/CAP
IP 10022	117113.260	340363.785	0.75" IRON ROD W/CAP
IP 10025	117171.722	342948.672	0.75" IRON ROD W/CAP

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

SCALE, FEET 0 100 200

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
17	JULIE A. REINERT	FEE	15052	---	15052	---
18	RYAN M. HEIL AND DUSTIN H. HEIL	FEE/TLE	15491	---	15491	676
19	JOS. KLETT FARM, LLC	FEE/TLE	16985	---	16985	310

emcs.llc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 02/25/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 2-25-21
PRINT NAME: Brent L Stella

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040106_RP.DWG
APPRAISAL PLAT DATE : 02/25/2021
PLOT DATE : 2/25/2021 1:57 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.06

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.07

THAT PART OF LOT 1 OF CSM 5179 LOCATED IN PART OF THE NW1/4 OF THE SE1/4, PART OF THE NE1/4 OF THE SE1/4, PART OF THE SW1/4 OF THE SE1/4 AND PART OF THE SE1/4 OF THE SE1/4, ALL IN SECTION 16, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

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

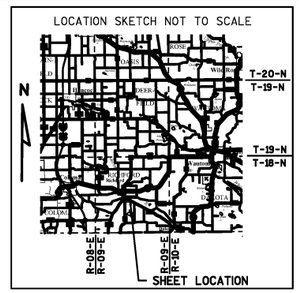
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 5179, CSM 2137 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR CTH B: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

GN

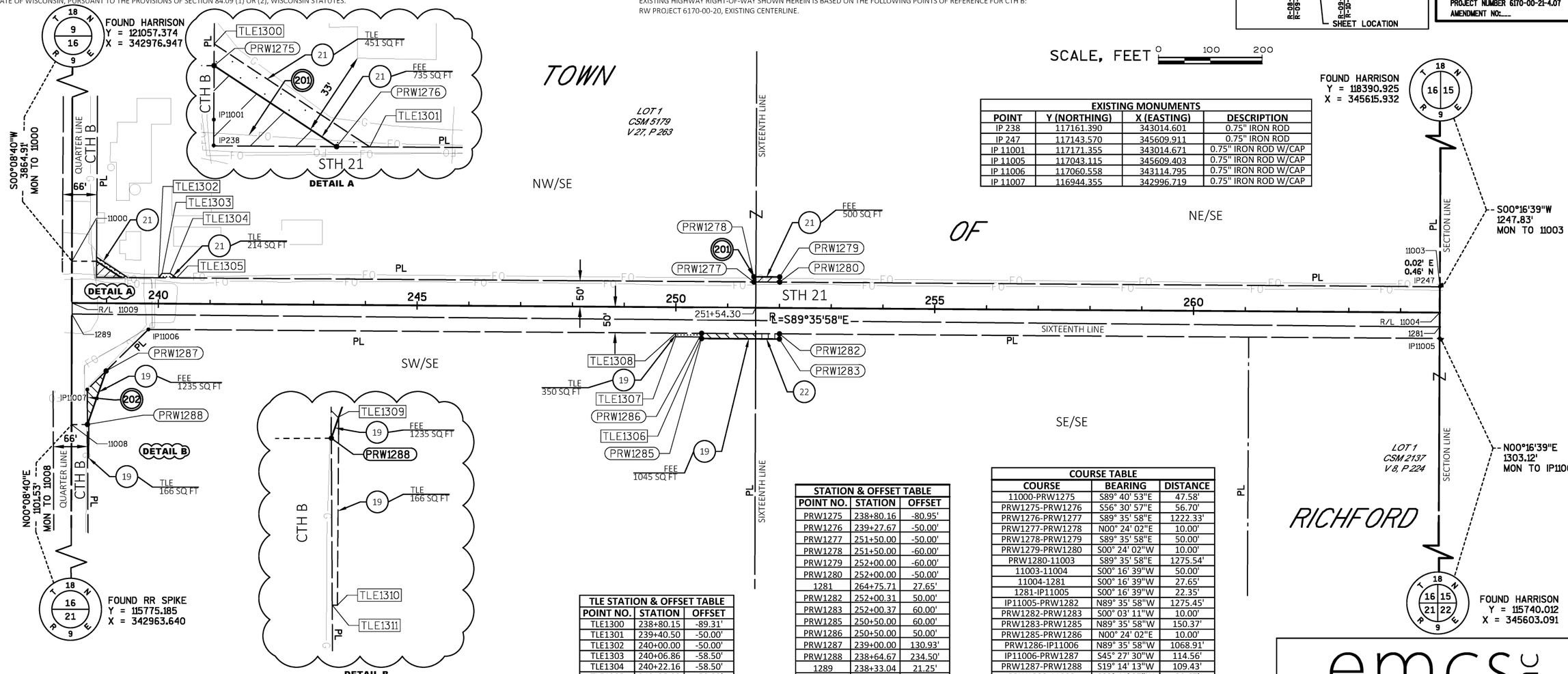
LOCATION SKETCH NOT TO SCALE



Document Number: 530941
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/30/2021 09:38:12 AM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.07
AMENDMENT NO:____

SCALE, FEET 0 100 200



EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 238	117161.390	343014.601	0.75" IRON ROD
IP 247	117143.570	345609.911	0.75" IRON ROD
IP 11001	117171.355	343014.671	0.75" IRON ROD W/CAP
IP 11005	117043.115	345609.403	0.75" IRON ROD W/CAP
IP 11006	117060.558	343114.795	0.75" IRON ROD W/CAP
IP 11007	116944.355	342996.719	0.75" IRON ROD W/CAP

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1275	238+80.16	-80.95'
PRW1276	239+27.67	-50.00'
PRW1277	251+50.00	-50.00'
PRW1278	251+50.00	-60.00'
PRW1279	252+00.00	-60.00'
PRW1280	252+00.00	-50.00'
1281	264+75.71	27.65'
PRW1282	252+00.31	50.00'
PRW1283	252+00.37	60.00'
PRW1285	250+50.00	60.00'
PRW1286	250+50.00	50.00'
PRW1287	239+00.00	130.93'
PRW1288	238+64.67	234.50'
1289	238+33.04	21.25'
11000	238+32.59	-80.88'
11003	264+75.54	-50.00'
11004	264+75.65	0.00'
IP11005	264+75.76	50.00'
IP11006	239+81.09	50.00'
11008	238+34.00	234.88'
11009	238+32.95	0.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1300	238+80.15	-89.31'
TLE1301	239+40.50	-50.00'
TLE1302	240+00.00	-50.00'
TLE1303	240+06.86	-58.50'
TLE1304	240+22.16	-58.50'
TLE1305	240+35.00	-50.00'
TLE1306	250+50.00	57.00'
TLE1307	250+00.00	57.00'
TLE1308	250+00.00	50.00'
TLE1309	238+67.47	226.29'
TLE1310	238+67.47	299.00'
TLE1311	238+65.47	299.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
11000-PRW1275	S89° 40' 53"E	47.58'
PRW1275-PRW1276	S56° 30' 57"E	56.70'
PRW1276-PRW1277	S89° 35' 58"E	1222.33'
PRW1277-PRW1278	N00° 24' 02"E	10.00'
PRW1278-PRW1279	S89° 35' 58"E	50.00'
PRW1279-PRW1280	S00° 24' 02"W	10.00'
PRW1280-11003	S89° 35' 58"E	1275.54'
11003-11004	S00° 16' 39"W	50.00'
11004-1281	S00° 16' 39"W	27.65'
1281-IP11005	S00° 16' 39"W	22.35'
IP11005-PRW1282	N89° 35' 58"W	1275.45'
PRW1282-PRW1283	S00° 03' 11"W	10.00'
PRW1283-PRW1285	N89° 35' 58"W	150.37'
PRW1285-PRW1286	N00° 24' 02"E	10.00'
PRW1286-IP11006	N89° 35' 58"W	1068.91'
IP11006-PRW1287	S45° 27' 30"W	114.56'
PRW1287-PRW1288	S19° 14' 13"W	109.43'
PRW1288-11008	S89° 41' 37"W	30.67'
11008-1289	N00° 08' 40"E	213.63'
1289-11009	N00° 08' 40"E	21.25'
11009-11000	N00° 08' 40"E	80.88'

201 UNION TELEPHONE COMPANY (COMMUNICATION)
NO RECORD EASEMENT - PAR 21

202 WE ENERGIES (GAS)
DOC 522568 - PAR 21
DOC 522569 - PAR 23

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
201	UNION TELEPHONE COMPANY (COMMUNICATION)	RELEASE OF RIGHTS
202	WE ENERGIES (GAS)	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
19	JOS. KLETT FARM, LLC.	FEE/TLE	2280	---	2280	516
21	DANIEL P. LAMBRIGHT AND MARTHA E. LAMBRIGHT	FEE/TLE	1235	---	1235	665
22	PHILIP A. BRUCH AND MILDRED BRUCH	FEE	459	---	459	---

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 03/23/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 3-29-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040107_RP.DWG PLOT DATE : 3/23/2021 7:26 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 03/23/2021

6170-00-21-4.07

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.08

THAT PART OF LOT 1 OF CSM 6042 LOCATED IN PART OF THE NE1/4 OF THE SW1/4 AND PART OF LOT 1 OF CSM 6207 AND PART OF LOT 1 OF CSM 5084 LOCATED IN PART OF THE SE1/4 OF THE SW1/4, ALL IN SECTION 15, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

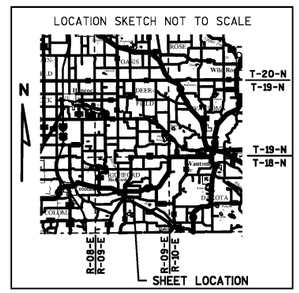
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
24	FLYTE FAMILY FARM TOOL, LLC.	FEE/TLE	4156	---	4156	1171
25	HARLAN A. BEUTLER	TLE	---	---	---	103

LOCATION SKETCH NOT TO SCALE



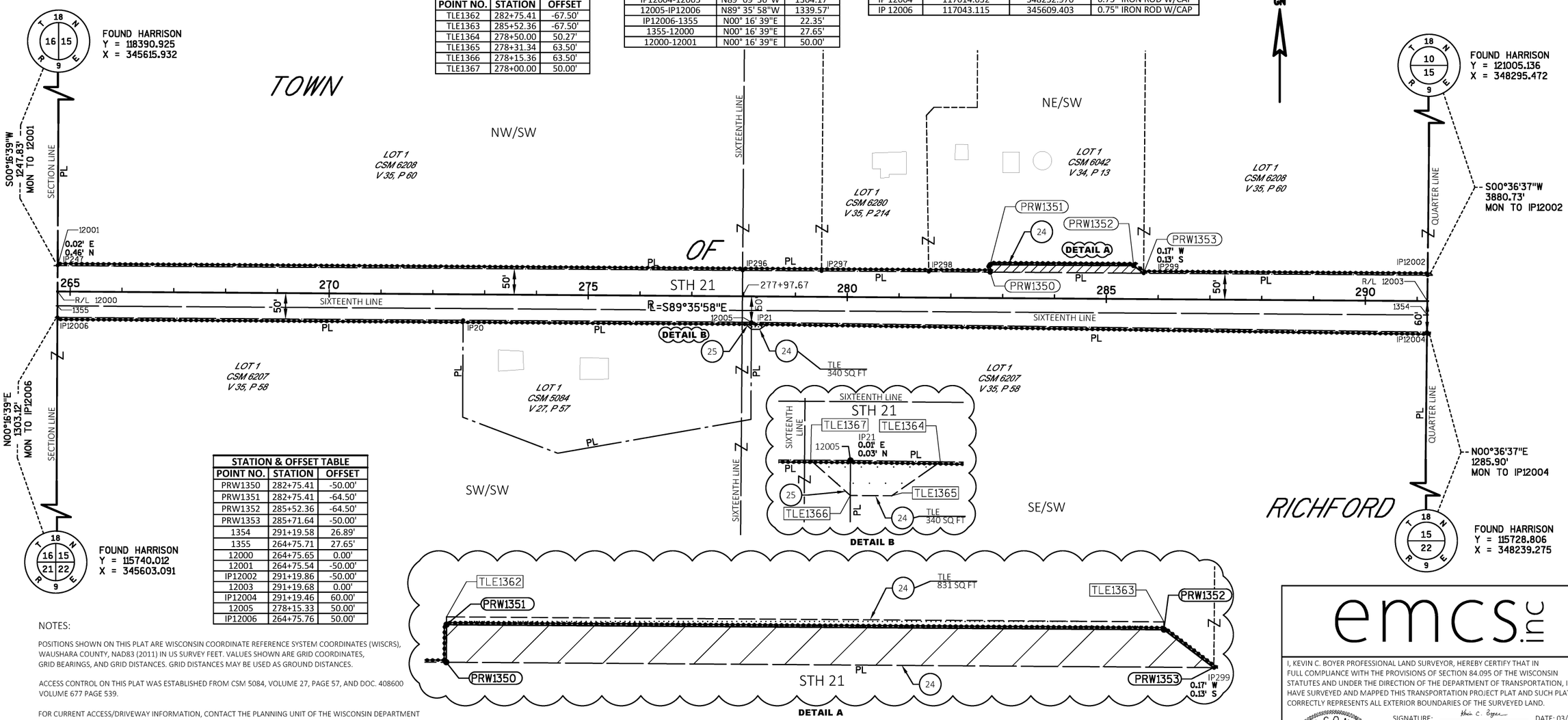
Document Number: 530942
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/30/2021 09:45:20 AM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.08
AMENDMENT NO:____

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1362	282+75.41	-67.50'
TLE1363	285+52.36	-67.50'
TLE1364	278+50.00	50.27'
TLE1365	278+31.34	63.50'
TLE1366	278+15.36	63.50'
TLE1367	278+00.00	50.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
12001-PRW1350	S89° 35' 58"E	1799.87'
PRW1350-PRW1351	N00° 24' 02"E	14.50'
PRW1351-PRW1352	S89° 35' 58"E	276.95'
PRW1352-PRW1353	S52° 39' 17"E	24.12'
PRW1353-IP12002	S89° 35' 58"E	548.23'
IP12002-12003	S00° 36' 37"W	50.00'
12003-1354	S00° 36' 37"W	26.89'
1354-IP12004	S00° 36' 37"W	33.11'
IP12004-12005	N89° 09' 36"W	1304.17'
12005-IP12006	N89° 35' 58"W	1339.57'
IP12006-1355	N00° 16' 39"E	22.35'
1355-12000	N00° 16' 39"E	27.65'
12000-12001	N00° 16' 39"E	50.00'

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 20	117037.634	346392.350	1.25" O.D. IRON PIPE
IP 21	117033.778	346948.952	1.25" O.D. IRON PIPE
IP 247	117143.570	345609.911	0.75" IRON ROD
IP 296	117133.878	346932.095	0.75" IRON ROD
IP 297	117132.658	347084.287	0.75" IRON ROD
IP 298	117131.330	347291.146	0.75" IRON ROD
IP 299	117128.330	347706.097	0.75" IRON ROD
IP 12002	117124.626	348254.142	0.75" IRON ROD W/CAP
IP 12004	117014.632	348252.970	0.75" IRON ROD W/CAP
IP 12006	117043.115	345609.403	0.75" IRON ROD W/CAP



STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1350	282+75.41	-50.00'
PRW1351	282+75.41	-64.50'
PRW1352	285+52.36	-64.50'
PRW1353	285+71.64	-50.00'
1354	291+19.58	26.89'
1355	264+75.71	27.65'
12000	264+75.65	0.00'
12001	264+75.54	-50.00'
IP12002	291+19.86	-50.00'
12003	291+19.68	0.00'
IP12004	291+19.46	60.00'
12005	278+15.33	50.00'
IP12006	264+75.76	50.00'

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM CSM 5084, VOLUME 27, PAGE 57, AND DOC. 408600 VOLUME 677 PAGE 539.

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 6208, CSM 6280, CSM 6042, CSM 5084, PLAT OF SURVEYS AND EXISTING CENTERLINE.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

SCALE, FEET 0 100 200

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 03/23/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stelle DATE: 3-29-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040108_RP.DWG
PLOT DATE : 3/23/2021 7:51 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 03/23/2021

6170-00-21-4.08

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.09

THAT PART OF THE NE1/4 OF THE SE1/4 OF SECTION 15, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

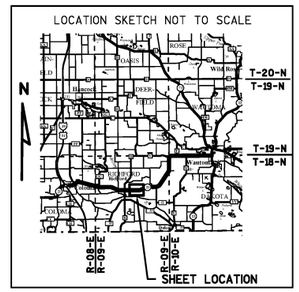
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 248	117011.345	348681.026	0.75" IRON ROD
IP 250	117003.736	348993.312	1.25" O.D. IRON PIPE
IP 251	117010.406	348993.762	1.25" O.D. IRON PIPE
IP 253	117038.701	349371.042	1.25" O.D. IRON PIPE
IP 300	117120.147	348830.943	0.75" IRON ROD
IP 301	117135.248	348831.126	0.75" IRON ROD
IP 302	117144.508	349026.541	0.75" IRON ROD
IP 13001	117124.626	348254.142	0.75" IRON ROD W/CAP
IP 13004	117283.554	349565.424	0.75" IRON ROD W/CAP
IP 13005	117290.016	349580.570	0.75" IRON ROD W/CAP
IP 13006	117322.731	349580.802	0.75" IRON ROD W/CAP
IP 13007	117703.746	350473.878	0.75" IRON ROD W/CAP
IP 13008	117925.203	350907.394	0.75" IRON ROD W/CAP
IP 13010	117659.988	350906.464	0.75" IRON ROD W/CAP
IP 13011	117093.725	349579.179	0.75" IRON ROD W/CAP
IP 13012	117105.514	349579.262	0.75" IRON ROD W/CAP
IP 13016	117003.770	348937.882	0.75" IRON ROD W/CAP
IP 13017	117010.569	348833.911	0.75" IRON ROD W/CAP
IP 13018	117014.632	348252.970	0.75" IRON ROD W/CAP



Document Number: 530943
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/30/2021 09:46:35 AM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.09
AMENDMENT NO:____

FOUND HARRISON
Y = 121005.136
X = 348295.472

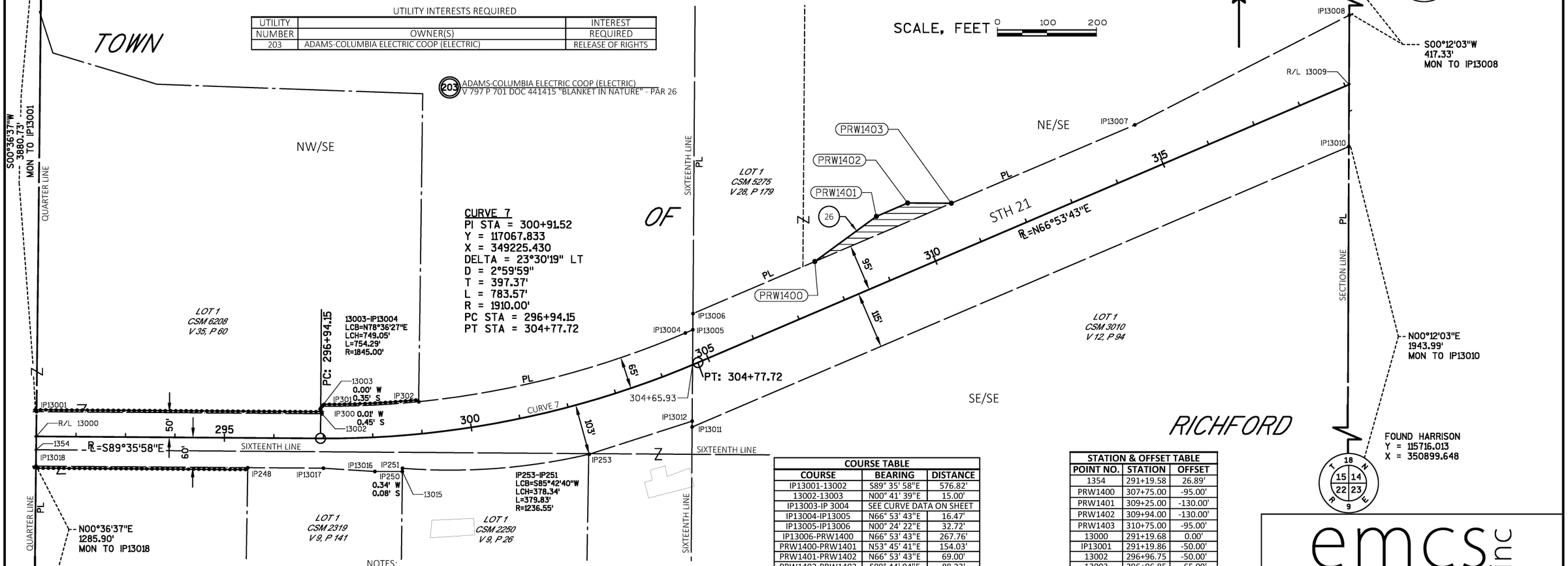
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
26	STEPHEN J. POWER AND PATRICIA L. POWER	FEE	6458	---	6458	---

UTILITY INTERESTS REQUIRED

UTILITY		INTEREST
NUMBER	OWNER(S)	REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM DOC. 408600, VOLUME 677, PAGE 539.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 6208, CSM 5275, CSM 2319, CSM 2250, CSM 3010 AND EXISTING CENTERLINE.

COURSE TABLE		
COURSE	BEARING	DISTANCE
IP13001-13002	S89° 35' 58"E	576.82'
13002-13003	N00° 41' 39"E	15.00'
IP13003-IP 3004	SEE CURVE DATA ON SHEET	
IP13004-IP13005	N66° 53' 43"E	16.47'
IP13005-IP13006	N00° 24' 22"E	32.72'
IP13006-PRW1400	N66° 53' 43"E	267.76'
PRW1400-PRW1401	N53° 45' 41"E	154.03'
PRW1401-PRW1402	N66° 53' 43"E	69.00'
PRW1402-PRW1403	S89° 44' 04"E	88.23'
PRW1403-IP13007	N66° 53' 43"E	403.20'
IP13007-IP13008	N62° 56' 25"E	486.81'
IP13008-13009	S00° 12' 03"W	140.00'
13009-IP13010	S00° 12' 03"W	125.22'
IP13010-IP13011	S66° 53' 43"W	1443.03'
IP13011-IP13012	N00° 24' 22"E	11.79'
IP13012-IP253	S72° 12' 35"W	218.68'
IP253-IP251	SEE CURVE DATA ON SHEET	
IP251-13015	S00° 57' 33"W	6.59'
13015-IP13016	S89° 56' 57"W	55.77'
IP13016-IP13017	N86° 15' 31"W	104.19'
IP13017-IP13018	N89° 35' 58"W	580.95'
IP13018-1354	N00° 36' 37"E	26.89'
1354-13000	N00° 36' 37"E	33.11'
13000-IP13001	N00° 36' 37"E	50.00'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1354	291+19.58	26.89'
PRW1400	307+75.00	-95.00'
PRW1401	309+25.00	-130.00'
PRW1402	309+94.00	-130.00'
PRW1403	310+75.00	-95.00'
13000	291+19.68	0.00'
IP13001	291+19.86	-50.00'
13002	296+96.75	-50.00'
13003	296+96.85	-65.00'
IP13004	304+77.72	-65.00'
IP13005	304+94.19	-65.00'
IP13006	305+07.24	-95.00'
IP13007	314+78.20	-95.00'
IP13008	319+63.84	-128.58'
13009	319+08.45	0.00'
IP13010	318+58.91	115.00'
IP13011	304+19.41	115.94'
IP13012	304+23.55	105.00'
IP253	302+16.07	102.79'
IP251	298+54.90	66.04'
13015	298+54.31	72.60'
IP13016	298+00.63	69.15'
IP13017	297+00.22	60.01'
IP13018	291+19.46	60.00'

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 03/23/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 3-29-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040109_RP.DWG
APPRAISAL PLAT DATE : 03/23/2021
PLOT DATE : 3/23/2021 8:05 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.09

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.10

THAT PART OF THE NW 1/4 OF THE SW 1/4, SECTION 14, TOWNSHIP 18 NORTH, RANGE 9 EAST, LOCATED IN THE TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN.

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 3757, PLAT OF SURVEYS AND EXISTING CENTERLINE.

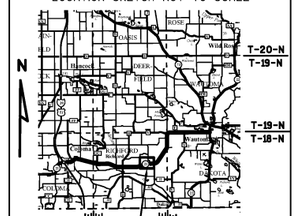
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
27	ERICH GOMOLL ESTATE C/O SCOTT BAHN	TLE	---	---	---	725

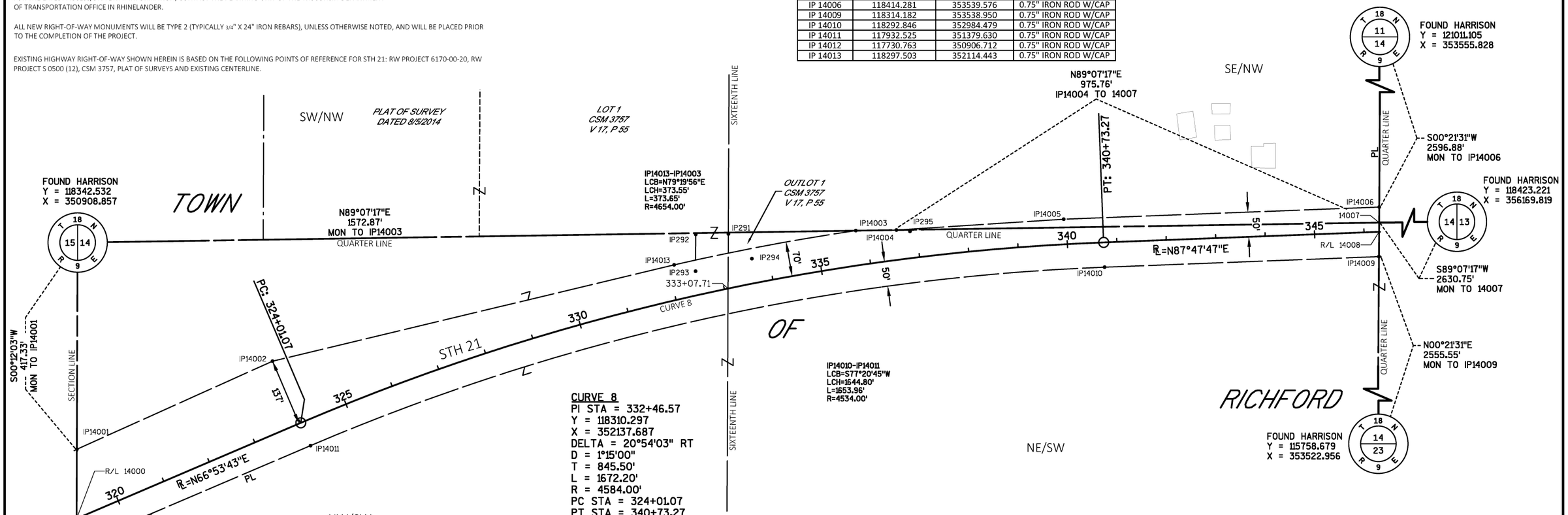
EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 291	118359.804	352224.064	1.25" O.D. IRON PIPE
IP 292	118359.028	352158.043	1.25" O.D. IRON PIPE
IP 293	118284.690	352157.776	1.25" O.D. IRON PIPE
IP 294	118310.043	352271.687	1.25" O.D. IRON PIPE
IP 295	118365.113	352591.066	1.25" O.D. IRON PIPE
IP14001	117925.203	350907.394	0.75" IRON ROD W/CAP
IP 14002	118103.073	351302.846	0.75" IRON ROD W/CAP
IP 14003	118366.653	352481.537	0.75" IRON ROD W/CAP
IP 14004	118367.913	352563.739	0.75" IRON ROD W/CAP
IP 14005	118389.738	352901.796	0.75" IRON ROD W/CAP
IP 14006	118414.281	353539.576	0.75" IRON ROD W/CAP
IP 14009	118314.182	353538.950	0.75" IRON ROD W/CAP
IP 14010	118292.846	352984.479	0.75" IRON ROD W/CAP
IP 14011	117932.525	351379.630	0.75" IRON ROD W/CAP
IP 14012	117730.763	350906.712	0.75" IRON ROD W/CAP
IP 14013	118297.503	352114.443	0.75" IRON ROD W/CAP

LOCATION SKETCH NOT TO SCALE



Document Number: 530944
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/30/2021 09:47:26 AM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.10
AMENDMENT NO:____



COURSE TABLE		
COURSE	BEARING	DISTANCE
IP14001-IP14002	N65° 46' 56"E	433.61'
IP14002-IP14013	N76° 31' 40"E	834.56'
IP14013-IP14003	SEE CURVE DATA ON SHEET	
IP14003-IP14004	N89° 07' 17"E	82.21'
IP14004-IP14005	N86° 18' 22"E	338.76'
IP14005-IP14006	N87° 47' 47"E	638.25'
IP14006-14007	S00° 21' 31"W	31.40'
14007-14008	S00° 21' 31"W	18.65'
14008-IP14009	S00° 21' 31"W	50.05'
IP14009-IP14010	S87° 47' 47"W	554.88'
IP14010-IP14011	SEE CURVE DATA ON SHEET	
IP14011-IP14012	S66° 53' 43"W	514.16'
IP14012-14000	N00° 12' 03"E	54.44'
14000-IP14001	N00° 12' 03"E	140.00'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
14000	319+08.45	0.00'
IP14001	319+63.84	-128.58'
IP14002	323+97.37	-137.00'
IP14003	335+80.10	-70.00'
IP14004	336+60.56	-60.00'
IP14005	339+95.23	-50.67'
IP14006	346+32.63	-50.00'
14007	346+31.22	-18.63'
14008	346+30.39	0.00'
IP14009	346+28.15	50.00'
IP14010	340+73.27	50.00'
IP14011	324+01.07	50.00'
IP14012	318+86.91	50.00'
IP14013	332+12.07	-70.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1430	320+50.00	50.00'
TLE1431	320+12.58	64.50'
TLE1432	319+50.00	50.00'

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

GN

SCALE, FEET 0 100 200

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 03/23/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 3-29-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040110_RP.DWG PLOT DATE : 3/23/2021 8:17 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 03/23/2021

6170-00-21-4.10

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.11

THAT PART OF THE NW1/4 OF THE SE1/4, AND PART OF THE NE1/4 OF THE SE1/4, ALSO SW1/4 OF THE NE1/4, ALL IN SECTION 14, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

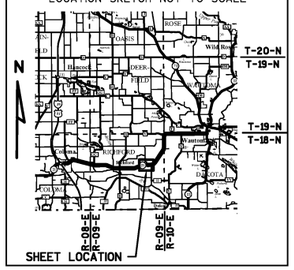
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
27	ERICH GOMOLL ESTATE C/O SCOTT BAHN	FEE/TLE	5730	---	5730	206
28	HENRY J. MILLER AND EDNA A. MILLER	FEE	1146	---	1146	---
31	PINE BRANCH FARM, LLC.	FEE	133	---	133	---

LOCATION SKETCH NOT TO SCALE



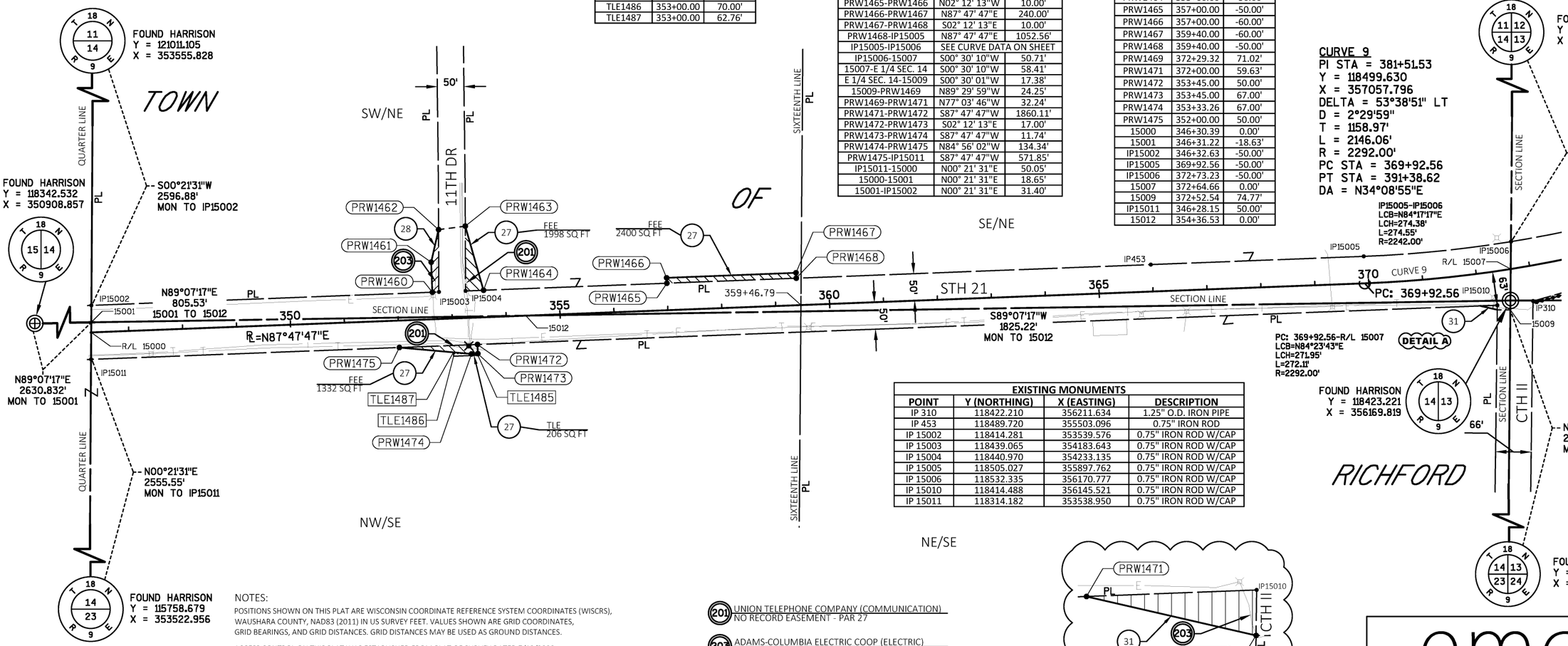
Document Number: 530945
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/30/2021 09:57:25 AM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.11
AMENDMENT NO:____

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1485	353+45.00	70.00'
TLE1486	353+00.00	70.00'
TLE1487	353+00.00	62.76'

COURSE TABLE		
COURSE	BEARING	DISTANCE
IP15002-PRW1460	N87° 47' 47"E	632.51'
PRW1460-PRW1461	N02° 20' 52"W	55.67'
PRW1461-PRW1462	N12° 52' 37"E	61.87'
PRW1462-PRW1463	N82° 30' 18"E	49.90'
PRW1463-PRW1464	S15° 53' 10"E	123.52'
PRW1464-PRW1465	N87° 47' 47"E	340.00'
PRW1465-PRW1466	N02° 12' 13"W	10.00'
PRW1466-PRW1467	N87° 47' 47"E	240.00'
PRW1467-PRW1468	S02° 12' 13"E	10.00'
PRW1468-IP15005	N87° 47' 47"E	1052.56'
IP15005-IP15006	SEE CURVE DATA ON SHEET	
IP15006-15007	S00° 30' 10"W	50.71'
15007-E 1/4 SEC. 14	S00° 30' 10"W	58.41'
E 1/4 SEC. 14-15009	S00° 30' 01"W	17.38'
15009-PRW1469	N89° 29' 59"W	24.25'
PRW1469-PRW1471	N77° 03' 46"W	32.24'
PRW1471-PRW1472	S87° 47' 47"W	1860.11'
PRW1472-PRW1473	S02° 12' 13"E	17.00'
PRW1473-PRW1474	S87° 47' 47"W	11.74'
PRW1474-PRW1475	N84° 56' 02"W	134.34'
PRW1475-IP15011	S87° 47' 47"W	571.85'
IP15011-15000	N00° 21' 31"E	50.05'
15000-15001	N00° 21' 31"E	18.65'
15001-IP15002	N00° 21' 31"E	31.40'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
E 1/4 SEC. 14	372+55.25	57.62'
PRW1460	352+65.14	-50.00'
PRW1461	352+65.00	-105.67'
PRW1462	352+81.10	-165.41'
PRW1463	353+30.78	-170.01'
PRW1464	353+60.00	-50.00'
PRW1465	357+00.00	-50.00'
PRW1466	357+00.00	-60.00'
PRW1467	359+40.00	-60.00'
PRW1468	359+40.00	-50.00'
PRW1469	372+29.32	71.02'
PRW1471	372+00.00	59.63'
PRW1472	353+45.00	50.00'
PRW1473	353+45.00	67.00'
PRW1474	353+33.26	67.00'
PRW1475	352+00.00	50.00'
15000	346+30.39	0.00'
15001	346+31.22	-18.63'
IP15002	346+32.63	-50.00'
IP15005	369+92.56	-50.00'
IP15006	372+73.23	-50.00'
15007	372+64.66	0.00'
15009	372+52.54	74.77'
IP15011	346+28.15	50.00'
15012	354+36.53	0.00'



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM PLAT OF SURVEY DATED 7/12/2000.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), AND EXISTING CENTERLINE.

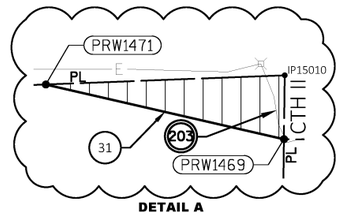
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR 11TH DR: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR CTH II: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 310	118422.210	356211.634	1.25" O.D. IRON PIPE
IP 453	118489.720	355503.096	0.75" IRON ROD
IP 15002	118414.281	353539.576	0.75" IRON ROD W/CAP
IP 15003	118439.065	354183.643	0.75" IRON ROD W/CAP
IP 15004	118440.970	354233.135	0.75" IRON ROD W/CAP
IP 15005	118505.027	355897.762	0.75" IRON ROD W/CAP
IP 15006	118532.335	356170.777	0.75" IRON ROD W/CAP
IP 15010	118414.488	356145.521	0.75" IRON ROD W/CAP
IP 15011	118314.182	353538.950	0.75" IRON ROD W/CAP

201 UNION TELEPHONE COMPANY (COMMUNICATION)
NO RECORD EASEMENT - PAR 27

203 ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
NO RECORD EASEMENT - PAR 28, PAR 31



UTILITY INTERESTS REQUIRED

UTILITY		INTEREST
NUMBER	OWNER(S)	REQUIRED
201	UNION TELEPHONE COMPANY (COMMUNICATION)	RELEASE OF RIGHTS
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

GN

SCALE, FEET 0 100 200

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 03/23/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 3-29-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040111_RP.DWG
APPRAISAL PLAT DATE : 03/23/2021
PLOT DATE : 3/23/2021 8:40 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.11

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.12

THAT PART OF LOT 2 OF CSM 5802 LOCATED IN PART OF THE NE1/4 OF THE NW1/4 OF SECTION 13, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM CSM 4228, VOLUME 20, PAGE 186 AND CSM 4229, VOLUME 20, PAGE 188.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 5802, CSM 4228, PLAT OF SURVEYS AND EXISTING CENTERLINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
32	SAMUEL MAST AND KAYLA MAST	TLE	---	---	---	658

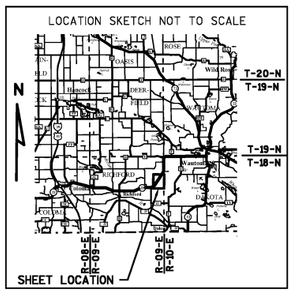
EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 276	120691.942	358466.200	1.00" IRON ROD
IP 277	120683.493	358478.636	1.00" IRON ROD
IP 313	119743.182	358010.931	0.75" IRON ROD
IP 314	120048.774	358048.361	1.00" IRON ROD
IP 443	121062.258	358717.392	1.50" O.D. IRON PIPE
IP 444	121048.260	358860.530	0.75" IRON ROD
IP 17005	121246.473	358842.408	0.75" IRON ROD W/CAP
IP 17006	121863.295	359260.791	0.75" IRON ROD W/CAP
IP 17008	121793.127	359364.239	0.75" IRON ROD W/CAP
IP 17009	121062.768	358868.845	0.75" IRON ROD W/CAP
IP 17010	121023.729	358842.365	0.75" IRON ROD W/CAP
IP 17011	120621.739	358569.700	0.75" IRON ROD W/CAP
IP 17012	120604.899	358594.527	0.75" IRON ROD W/CAP

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
17000	394+82.42	0.00'
17001	394+48.27	-50.00'
17002	405+84.57	-50.00'
17003	405+84.57	-65.00'
17004	410+31.98	-65.00'
IP17005	412+54.67	-65.00'
IP17006	420+00.00	-65.00'
17007	420+00.00	0.00'
IP17008	420+00.00	60.00'
IP17009	411+17.48	60.00'
IP17010	410+70.31	60.00'
IP17011	405+84.57	60.00'
IP17012	405+84.57	90.00'
17013	395+43.88	90.00'
17014	410+76.44	0.00'
17015	411+59.05	0.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1515	396+00.00	-50.00'
TLE1516	396+26.95	-58.50'
TLE1517	396+41.24	-58.50'
TLE1518	396+50.00	-50.00'
TLE1519	396+90.00	-50.00'
TLE1520	397+00.00	-53.50'
TLE1521	398+00.00	-53.50'
TLE1522	398+10.00	-50.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
17004-IP17005	N34° 08' 55"E	222.69'
IP17005-IP17006	N34° 08' 55"E	745.33'
IP17006-17007	S55° 51' 05"E	65.00'
17007-IP17008	S55° 51' 05"E	60.00'
IP17008-IP17009	S34° 08' 55"W	882.52'
IP17009-IP17010	S34° 08' 55"W	47.17'
IP17010-IP17011	S34° 08' 55"W	485.74'
IP17011-IP17012	S55° 51' 05"E	30.00'
IP17012-17013	S34° 08' 55"W	1040.69'
17013-17000	S89° 49' 01"W	108.99'
17000-17001	S89° 49' 01"W	60.55'
17001-17002	N34° 08' 55"E	1136.30'
17002-17003	N55° 51' 05"W	15.00'
17003-17004	N34° 08' 55"E	447.41'

LOCATION SKETCH NOT TO SCALE



Document Number: 530956
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/30/2021 01:31:52 PM
Number of Pages: 1

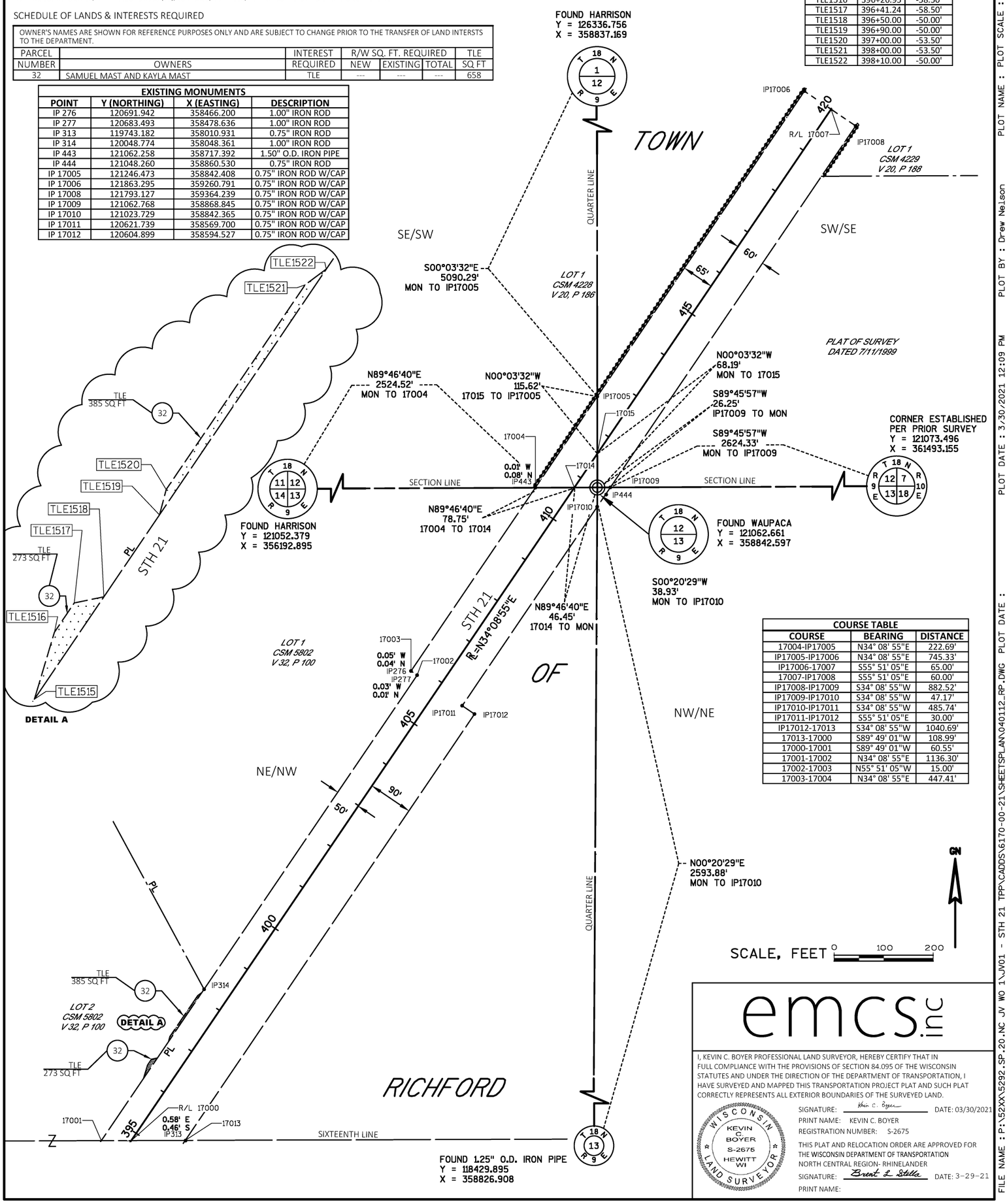
173

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.12
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.



emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 03/30/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER

SIGNATURE: Brent L Stella DATE: 3-29-21
PRINT NAME:

6170-00-21-4.12

PLOT NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040112_RP.DWG PLOT DATE :
PLOT DATE : 3/30/2021 12:09 PM PLOT BY : Drew Nelson PLOT SCALE : **********
FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040112_RP.DWG PLOT DATE :
APPRAISAL PLAT DATE : 03/30/2021

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.13

THAT PART OF LOT 1 & 3 OF CSM 4034 LOCATED IN PART OF THE NW1/4 OF THE SE1/4 AND PART OF THE NE1/4 OF THE SE1/4, ALL IN SECTION 12, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, WAUSHARA COUNTY, WISCONSIN.

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

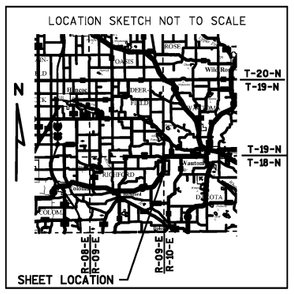
ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM CSM 4228, VOLUME 20, PAGE 188 AND CSM 4229, VOLUME 20, PAGE 188 AND CSM 4034, VOLUME 19, PAGE 54.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 4034, CSM 4229 AND EXISTING CENTERLINE.

LOCATION SKETCH NOT TO SCALE



Document Number: 530950
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/30/2021 10:27:35 AM
Number of Pages: 1

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6170-00-21-4.13

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.13
AMENDMENT NO:___

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1565	435+40.00	-50.00'
TLE1566	435+50.00	-60.00'
TLE1567	439+00.00	-60.00'
TLE1568	439+10.00	-50.00'
TLE1569	438+00.00	65.00'
TLE1571	438+00.00	68.00'
TLE1572	437+00.00	68.00'
TLE1573	437+00.00	65.00'
TLE1574	429+00.00	50.00'
TLE1575	428+50.00	60.50'
TLE1576	428+08.73	60.50'
TLE1577	428+00.00	50.00'

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 264	122385.363	359753.857	0.75" IRON ROD
IP 265	122385.637	359766.197	1.25" O.D. IRON PIPE
IP 271	122384.714	359632.674	0.75" IRON ROD
IP 441	123175.610	360168.963	0.75" IRON ROD
IP 442	122335.300	359580.997	1.50" O.D. IRON PIPE
IP 18001	121863.295	359260.791	0.75" IRON ROD W/CAP
IP 18002	122384.590	359614.380	0.75" IRON ROD W/CAP
IP 18004	123491.926	360383.599	0.75" IRON ROD W/CAP
IP 18005	123500.346	360371.185	0.75" IRON ROD W/CAP
IP 18006	123707.330	360511.580	0.75" IRON ROD W/CAP
IP 18008	123708.013	360669.127	0.75" IRON ROD W/CAP
IP 18009	123427.371	360478.771	0.75" IRON ROD W/CAP
IP 18010	123435.792	360466.357	0.75" IRON ROD W/CAP
IP 18013	121793.127	359364.239	0.75" IRON ROD W/CAP

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
33	KARL A. FETTER AND PAMELA A. FETTER	TLE	---	---	---	597
34	STATE OF WISCONSIN (DEPARTMENT OF NATURAL RESOURCES)	TLE	---	---	---	3003
36	OAK ISLAND LLC	FEE/TLE	8095	---	8095	300
37	STEPHEN LENTZ AND DON HARTWIG	FEE/TLE	577	---	577	742

COURSE TABLE		
COURSE	BEARING	DISTANCE
IP18006-18007	N89° 45' 06"E	78.77'
18007-IP18008	N89° 45' 06"E	78.77'
IP18008-IP18009	S34° 08' 55"W	339.11'
IP18009-PRW1551	S34° 08' 55"W	578.11'
PRW1551-PRW1552	N55° 51' 05"W	15.00'
PRW1552-18011	S34° 08' 55"W	691.04'
18011-18012	N89° 38' 24"E	12.14'
18012-IP18013	S34° 08' 55"W	715.84'
IP18013-18000	N55° 51' 05"W	60.00'
18000-IP18001	N55° 51' 05"W	65.00'
IP18001-IP18002	N34° 08' 55"E	629.90'
IP18002-18003	N89° 38' 24"E	18.20'
18003-IP18004	N34° 08' 55"E	1337.90'
IP18004-IP18005	N55° 51' 05"W	15.00'
IP18005-IP18006	N34° 08' 55"E	250.11'

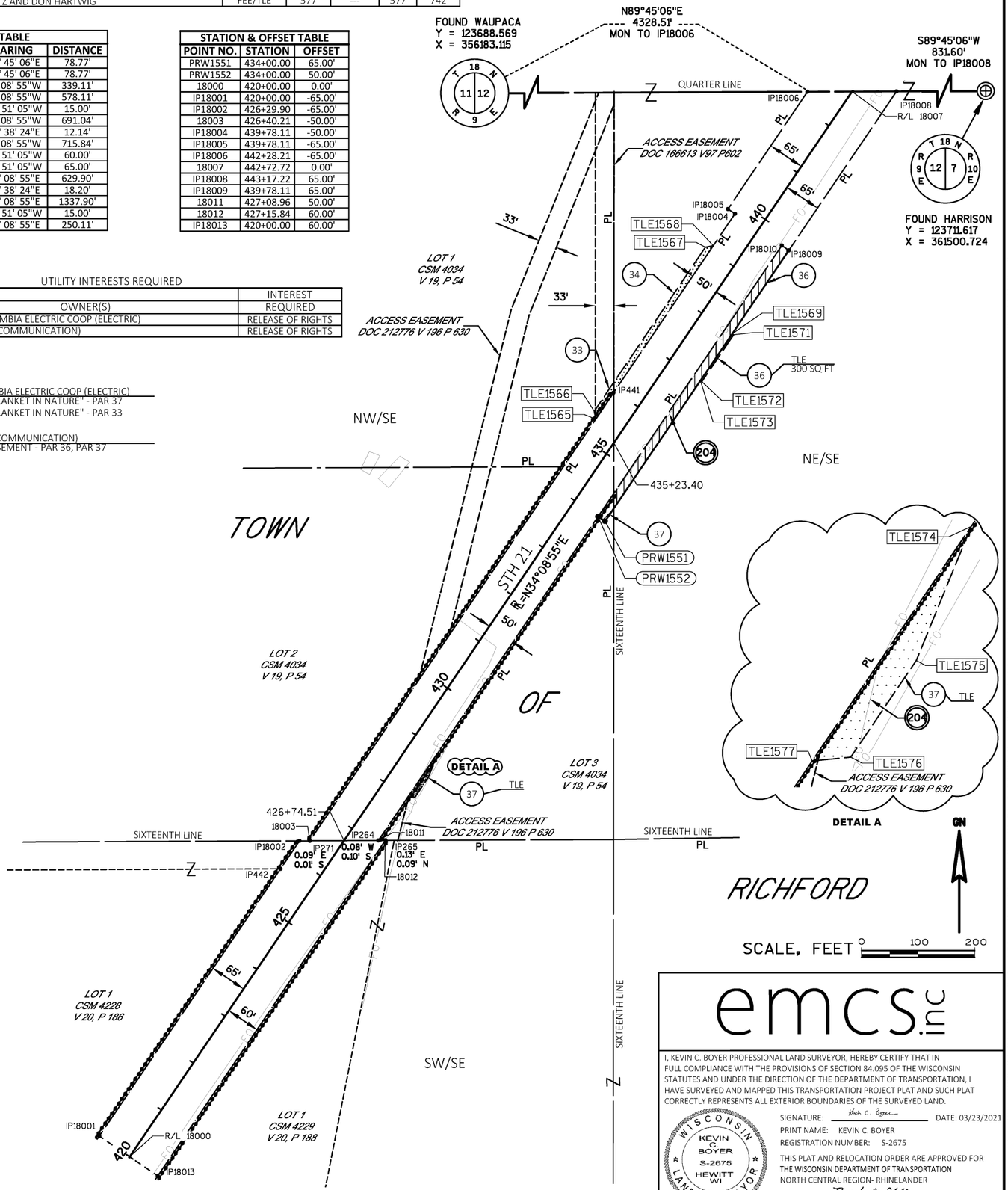
STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1551	434+00.00	65.00'
PRW1552	434+00.00	50.00'
18000	420+00.00	0.00'
IP18001	420+00.00	-65.00'
IP18002	426+29.90	-65.00'
18003	426+40.21	-50.00'
IP18004	439+78.11	-50.00'
IP18005	439+78.11	-65.00'
IP18006	442+28.21	-65.00'
18007	442+72.72	0.00'
IP18008	443+17.22	65.00'
IP18009	439+78.11	65.00'
18011	427+08.96	50.00'
18012	427+15.84	60.00'
IP18013	420+00.00	60.00'

UTILITY INTERESTS REQUIRED

UTILITY		INTEREST
NUMBER	OWNER(S)	REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS
204	CENTRYLINK (COMMUNICATION)	RELEASE OF RIGHTS

(203) ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
DOC 504480 "BLANKET IN NATURE" - PAR 37
DOC 504481 "BLANKET IN NATURE" - PAR 33

(204) CENTURYLINK (COMMUNICATION)
NO RECORD EASEMENT - PAR 36, PAR 37



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I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 03/23/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER

SIGNATURE: Brent L Stella DATE: 3-29-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040113_RP.DWG PLOT DATE : APPRAISAL PLAT DATE : 03/23/2021
PLOT DATE : 3/23/2021 9:32 AM PLOT BY : Drew Nelson PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.14

BEING PART OF LOT 1 & 2 OF CSM 983 LOCATED IN PART OF THE FRACTIONAL NW1/4 OF THE NW1/4, IN SECTION 7, TOWNSHIP 18 NORTH, RANGE 10 EAST, TOWN OF DAKOTA AND PART OF THE SE1/4 OF THE NE1/4, ALSO PART OF THE NE1/4 OF THE NE1/4, IN SECTION 12, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD, ALL IN WAUSHARA COUNTY, WISCONSIN

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

Document Number: 530951
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/30/2021 10:28:11 AM
Number of Pages: 1

175

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.14
AMENDMENT NO:___

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 983, CSM 1985, CSM 2955, PLAT OF SURVEYS AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR COTTONVILLE CT: RW PROJECT 6170-00-20, CSM 983, CSM 2955 AND EXISTING CENTERLINE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
34	STATE OF WISCONSIN (DEPARTMENT OF NATURAL RESOURCES)	FEE/TLE	1042	---	1042	8933
36	OAK ISLAND LLC.	FEE	5108	---	5108	---
41	DOUGLAS D. SESSLER	FEE/TLE	79	---	79	261

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS
204	CENTRYLINK (COMMUNICATION)	RELEASE OF RIGHTS

EXISTING MONUMENTS

POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 290	126349.723	361442.040	1.25" O.D. IRON PIPE
IP 19001	123707.330	360511.580	0.75" IRON ROD W/CAP
IP 19002	124079.655	360764.124	0.75" IRON ROD W/CAP
IP 19003	124093.688	360743.435	0.75" IRON ROD W/CAP
IP 19004	124586.267	361077.545	0.75" IRON ROD W/CAP
IP 19005	125015.202	361292.126	0.75" IRON ROD W/CAP
IP 19006	125007.060	361315.763	0.75" IRON ROD W/CAP
IP 19007	125582.235	361416.163	0.75" IRON ROD W/CAP
IP 19008	125582.026	361431.161	0.75" IRON ROD W/CAP
IP 19012	126350.063	361541.859	0.75" IRON ROD W/CAP
IP 19013	125580.635	361531.152	0.75" IRON ROD W/CAP
IP 19014	125373.929	361517.325	0.75" IRON ROD W/CAP
IP 19015	125063.886	361517.307	0.75" IRON ROD W/CAP
IP 19016	125063.762	361500.807	0.75" IRON ROD W/CAP
IP 19017	124997.760	361500.803	0.75" IRON ROD W/CAP
IP 19018	124997.258	361433.788	0.75" IRON ROD W/CAP
IP 19019	124779.412	361347.628	0.75" IRON ROD W/CAP
IP 19020	124754.050	361402.004	0.75" IRON ROD W/CAP
IP 19021	124473.998	361243.062	0.75" IRON ROD W/CAP
IP 19022	123981.420	360908.951	0.75" IRON ROD W/CAP
IP 19023	124006.680	360871.710	0.75" IRON ROD W/CAP
IP 19024	123708.013	360669.127	0.75" IRON ROD W/CAP

COURSE TABLE

COURSE	BEARING	DISTANCE
IP19001-IP19002	N34° 08' 55"E	449.89'
IP19002-IP19003	N55° 51' 05"W	25.00'
IP19003-IP19004	N34° 08' 55"E	595.20'
IP19004-IP19005	SEE CURVE DATA ON SHEET	
IP19005-IP19006	S70° 59' 39"E	25.00'
IP19006-IP19007	SEE CURVE DATA ON SHEET	
IP19007-IP19008	S89° 12' 10"E	15.00'
IP19008-19009	N00° 47' 50"E	767.66'
19009-19010	N89° 43' 02"E	50.01'
19010-NE CORNER SEC. 12	N89° 43' 02"E	9.03'
NE CORNER SEC. 12-IP19012	N89° 46' 45"E	40.98'
IP19012-IP19013	S00° 47' 50"W	769.50'
IP19013-IP19014	SEE CURVE DATA ON SHEET	
IP19014-PRW1601	S00° 00' 13"W	34.31'
PRW1601-PRW1602	S89° 59' 47"E	20.00'
PRW1602-PRW1603	S00° 00' 13"W	21.24'
PRW1603-PRW1604	S00° 00' 13"W	6.59'
PRW1604-PRW1605	S00° 00' 13"W	24.28'
PRW1605-PRW1606	N89° 59' 47"W	20.00'
PRW1606-PRW1607	S00° 00' 13"W	213.75'
PRW1607-PRW1608	S58° 38' 01"E	18.73'
PRW1608-1609	S00° 25' 46"E	33.00'
1609-1610	S00° 25' 46"E	33.00'
1610-IP19017	S89° 34' 14"W	32.99'
IP19017-PRW1611	S89° 34' 14"W	14.95'
PRW1609-IP19019	S32° 21' 00"W	258.33'
IP19019-IP19020	S64° 59' 41"E	60.00'
IP19020-IP19021	SEE CURVE DATA ON SHEET	
IP19021-IP19022	S34° 08' 55"W	595.20'
IP19022-IP19023	N55° 51' 05"W	45.00'
IP19023-IP19024	S34° 08' 55"W	360.89'
IP19024-19000	S89° 45' 06"W	78.77'
19000-IP19001	S89° 45' 06"W	78.77'

STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
PRW1601	461+50.00	54.39'
PRW1602	461+52.63	74.20'
PRW1603	461+32.40	77.19'
PRW1604	461+26.14	78.16'
PRW1605	461+03.11	81.92'
PRW1606	461+00.00	62.18'
PRW1607	459+00.00	107.95'
PRW1608	458+95.15	125.95'
1609	458+65.52	135.25'
1610	458+36.15	145.04'
PRW1611	458+22.31	99.43'
19000	442+72.72	0.00'
IP19001	442+28.21	-65.00'
IP19002	446+78.11	-65.00'
IP19003	446+78.11	-90.00'
IP19004	452+73.31	-90.00'
IP19005	457+78.11	-90.00'
IP19006	457+78.11	-65.00'
IP19007	463+85.10	-65.00'
IP19008	463+85.10	-50.00'
19009	471+52.76	-50.00'
19010	471+53.70	0.00'
IP19012	471+54.60	50.00'
IP19013	463+85.10	50.00'
IP19014	461+83.12	50.00'
IP19016	458+86.66	94.73'
IP19017	458+26.69	113.64'
IP19019	455+78.11	50.00'
IP19020	455+78.11	110.00'
IP19021	452+73.31	110.00'
IP19022	446+78.11	110.00'
IP19023	446+78.11	65.00'
IP19024	443+17.22	65.00'
NE CORNER SEC. 12	471+53.88	9.03'

TLE STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
TLE1620	460+10.00	-65.00'
TLE1621	460+15.00	-115.00'
TLE1622	460+19.16	-115.08'
TLE1623	460+94.20	-65.00'
TLE1624	460+99.80	-65.00'
TLE1625	460+26.18	-115.20'
TLE1626	461+00.00	-115.00'
TLE1627	461+30.00	-65.00'
TLE1628	463+70.82	50.00'
TLE1629	461+56.73	103.90'
TLE1630	461+51.56	104.64'
TLE1631	461+42.69	105.94'
TLE1632	461+07.67	111.53'
TLE1633	460+50.00	71.39'

CURVE 10
PI STA = 458+45.45
Y = 125009.243
X = 361473.195
DELTA = 33°21'05" LT
D = 2°59'59"
T = 572.14'
L = 1111.79'
R = 1910.00'
PC STA = 452+73.31
PT STA = 463+85.10

LOCATION SKETCH NOT TO SCALE

SHEET LOCATION

SCALE, FEET 0 100 200

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I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 03/23/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER

SIGNATURE: Brent J. Stella DATE: 3-29-21
PRINT NAME:

6170-00-21-4.14
PLOT NAME : PLOT SCALE : **********
PLOT BY : Drew Nelson
PLOT DATE : 3/23/2021 9:56 AM
PLOT DATE :
FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040114_RP.DWG
APPRAISAL PLAT DATE : 03/23/2021

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.15

THAT PART OF LOTS 1 AND 2 OF CSM 1703 LOCATED IN PART OF THE FRACTIONAL SW1/4 OF THE SW1/4 OF SECTION 6, TOWNSHIP 18 NORTH, RANGE 10 EAST, TOWN OF DAKOTA, WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

GN

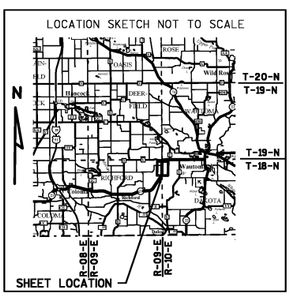
SCALE, FEET 0 100 200

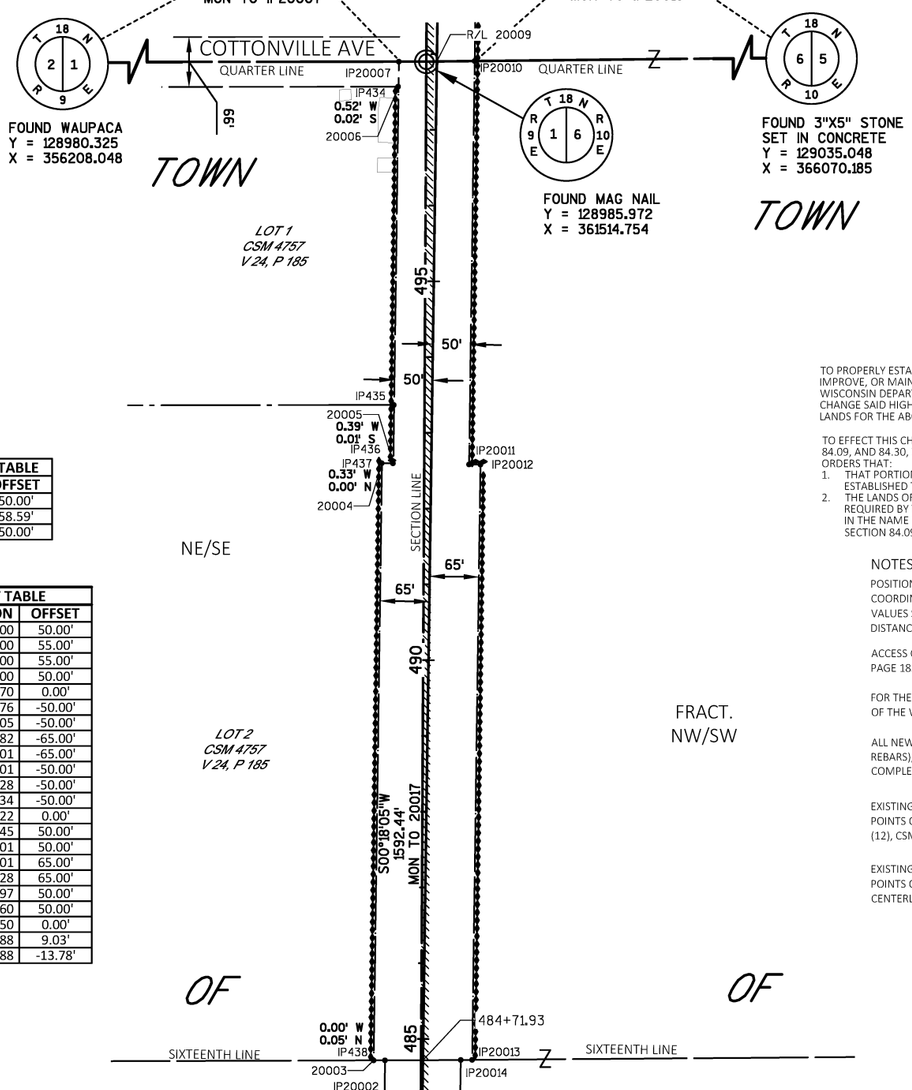
Document Number: 530952
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
03/30/2021 10:28:48 AM
Number of Pages: 1

176

6170-00-21-4.15

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.15
AMENDMENT NO:___





TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1665	482+50.00	50.00'
TLE1666	482+05.62	58.59'
TLE1667	481+50.00	50.00'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1652	475+00.00	50.00'
PRW1653	475+00.00	55.00'
PRW1654	472+50.00	55.00'
PRW1655	472+50.00	50.00'
20000	471+53.70	0.00'
20001	471+52.76	-50.00'
IP20002	484+71.05	-50.00'
20003	484+70.82	-65.00'
20004	492+59.01	-65.00'
20005	492+59.01	-50.00'
20006	497+56.28	-50.00'
IP20007	497+89.34	-50.00'
20009	497+90.22	0.00'
IP20010	497+91.45	50.00'
IP20011	492+59.01	50.00'
IP20012	492+59.01	65.00'
IP20013	484+73.28	65.00'
IP20014	484+72.97	50.00'
IP20015	471+54.60	50.00'
20017	481+97.50	0.00'
SE CORNER SEC. 1	471+53.88	9.03'
E 1/4 SEC. 1	497+89.88	-13.78'

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 290	126349.723	361442.040	1.25" O.D. IRON PIPE
IP 431	127551.215	361558.637	0.75" IRON ROD
IP 432	127008.891	361551.066	1.25" O.D. IRON PIPE
IP 433	126416.066	361543.334	0.75" IRON ROD
IP 434	128952.864	361477.556	1.50" O.D. IRON PIPE
IP 435	128532.750	361471.833	1.50" O.D. IRON PIPE
IP 436	128455.652	361470.766	1.50" O.D. IRON PIPE
IP 437	128455.873	361455.816	1.50" O.D. IRON PIPE
IP 438	127667.801	361445.181	1.50" O.D. IRON PIPE
IP 20002	127667.770	361460.187	0.75" IRON ROD W/CAP
IP 20007	128985.934	361478.531	0.75" IRON ROD W/CAP
IP 20010	128986.659	361578.551	0.75" IRON ROD W/CAP
IP 20011	128454.268	361571.142	0.75" IRON ROD W/CAP
IP 20012	128454.060	361586.141	0.75" IRON ROD W/CAP
IP 20013	127668.407	361575.207	0.75" IRON ROD W/CAP
IP 20014	127668.297	361560.204	0.75" IRON ROD W/CAP
IP 20015	126350.063	361541.859	0.75" IRON ROD W/CAP

COURSE TABLE		
COURSE	BEARING	DISTANCE
SE CORNER SEC. 1-20000	S89° 43' 02"W	9.03'
20000-20001	S89° 43' 02"W	50.01'
20001-IP20002	N00° 47' 50"E	1318.28'
IP20002-20003	S89° 55' 24"W	15.00'
20003-20004	N00° 47' 50"E	788.19'
20004-20005	S89° 12' 10"E	15.00'
20005-20006	N00° 47' 50"E	497.27'
20006-IP20007	N00° 47' 50"E	33.05'
IP20007-E 1/4 SEC. 1	N89° 56' 21"E	36.22'
E 1/4 SEC. 1-20009	N89° 22' 58"E	13.78'
20009-IP20010	N89° 22' 58"E	50.02'
IP20010-IP20011	S00° 47' 50"W	532.44'
IP20011-IP20012	S89° 12' 10"E	15.00'
IP20012-IP20013	S00° 47' 50"W	785.73'
IP20013-IP20014	S89° 34' 46"W	15.00'
IP20014-PRW1652	S00° 47' 50"W	972.97'
PRW1652-PRW1653	S89° 12' 10"E	5.00'
PRW1653-PRW1654	S00° 47' 50"W	250.00'
PRW1654-PRW1655	N89° 12' 10"W	5.00'
PRW1655-IP20015	S00° 47' 50"W	95.40'
IP20015-SE CORNER SEC. 1	S89° 46' 45"W	40.98'

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM CSM 4757, VOLUME 24, PAGE 185 AND DOC. 394609, VOLUME 621, PAGE159.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 4757, CSM 1703, PLAT OF SURVEYS AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR COTTONVILLE AVE: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
42	FREDDIE YODER AND MARY YODER	TLE	---	---	---	430
45	DAVID WAYNE YODER C/O RUBY ANN YODER	FEE	1250	---	1250	---

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I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 03/23/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER

SIGNATURE: Brent J. Stella DATE: 3-29-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040115_RP.DWG PLOT DATE :
APPRAISAL PLAT DATE : 03/23/2021
PLOT DATE : 3/23/2021 9:55 AM PLOT BY : Drew Nelson PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.16

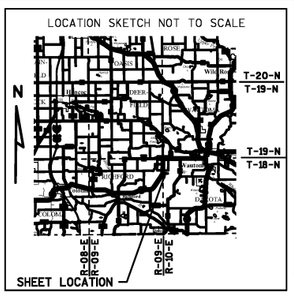
THAT PART OF THE SE1/4 OF THE NE1/4 OF SECTION 1, TOWNSHIP 18 NORTH, RANGE 9 EAST, TOWN OF RICHFORD AND PART OF THE FRACTIONAL NW1/4 OF THE NW1/4 AND PART OF THE FRACTIONAL NE1/4 OF THE NW1/4 OF SECTION 6, TOWNSHIP 18 NORTH, RANGE 10 EAST, TOWN OF DAKOTA, ALL IN WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH NOT TO SCALE



GN

Document Number: 531142
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
04/08/2021 12:28:46 PM
Number of Pages: 1

177

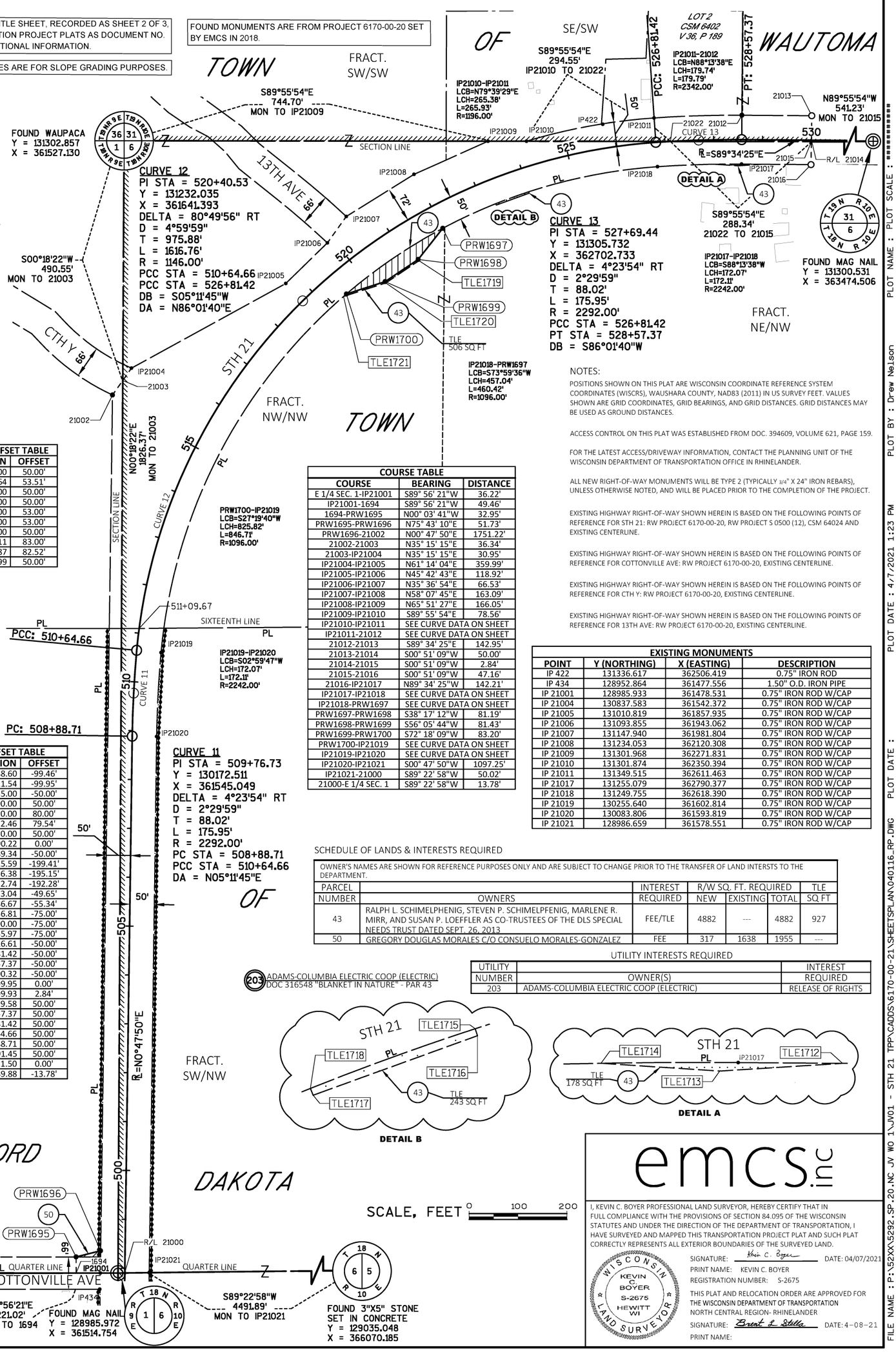
6170-00-21-4.16

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.16
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM DOC. 394609, VOLUME 621, PAGE 159.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 64024 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR COTTONVILLE AVE: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR CTH Y: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR 13TH AVE: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1712	529+00.00	50.00'
TLE1713	528+49.64	53.51'
TLE1714	528+00.00	50.00'
TLE1715	524+00.00	50.00'
TLE1716	524+00.00	53.00'
TLE1717	523+25.00	53.00'
TLE1718	523+25.00	50.00'
TLE1719	521+20.11	83.00'
TLE1720	520+31.87	82.52'
TLE1721	519+41.99	50.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
E 1/4 SEC. 1-IP21001	S89° 56' 21"W	36.22'
IP21001-1694	S89° 56' 21"W	49.46'
1694-PRW1695	N00° 03' 41"W	32.95'
PRW1695-PRW1696	N75° 43' 10"E	51.73'
PRW1696-21002	N00° 47' 50"E	1751.22'
21002-21003	N35° 15' 15"E	36.34'
21003-IP21004	N35° 15' 15"E	30.95'
IP21004-IP21005	N61° 14' 04"E	359.99'
IP21005-IP21006	N45° 42' 43"E	118.92'
IP21006-IP21007	N35° 36' 54"E	66.53'
IP21007-IP21008	N58° 07' 45"E	163.09'
IP21008-IP21009	N65° 51' 27"E	166.05'
IP21009-IP21010	S89° 55' 54"E	78.56'
IP21010-IP21011	SEE CURVE DATA ON SHEET	
IP21011-21012	SEE CURVE DATA ON SHEET	
21012-21013	S89° 34' 25"E	142.95'
21013-21014	S00° 51' 09"W	50.00'
21014-21015	S00° 51' 09"W	2.84'
21015-21016	S00° 51' 09"W	47.16'
21016-IP21017	N89° 34' 25"W	142.21'
IP21017-IP21018	SEE CURVE DATA ON SHEET	
IP21018-PRW1697	SEE CURVE DATA ON SHEET	
PRW1697-PRW1698	S38° 17' 12"W	81.19'
PRW1698-PRW1699	S56° 05' 44"W	81.43'
PRW1699-PRW1700	S72° 18' 09"W	83.20'
PRW1700-IP21019	SEE CURVE DATA ON SHEET	
IP21019-IP21020	SEE CURVE DATA ON SHEET	
IP21020-IP21021	S00° 47' 50"W	1097.25'
IP21021-21000	S89° 22' 58"W	50.02'
21000-E 1/4 SEC. 1	S89° 22' 58"W	13.78'

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 422	131336.617	362506.419	0.75" IRON ROD
IP 434	128952.864	361477.556	1.50" O.D. IRON PIPE
IP 21001	128985.933	361478.531	0.75" IRON ROD W/CAP
IP 21004	130837.583	361542.372	0.75" IRON ROD W/CAP
IP 21005	131010.819	361857.935	0.75" IRON ROD W/CAP
IP 21006	131093.855	361943.062	0.75" IRON ROD W/CAP
IP 21007	131147.940	361981.804	0.75" IRON ROD W/CAP
IP 21008	131234.053	362120.308	0.75" IRON ROD W/CAP
IP 21009	131301.968	362271.831	0.75" IRON ROD W/CAP
IP 21010	131301.874	362350.394	0.75" IRON ROD W/CAP
IP 21011	131349.515	362611.463	0.75" IRON ROD W/CAP
IP 21017	131255.079	362790.377	0.75" IRON ROD W/CAP
IP 21018	131249.755	362618.390	0.75" IRON ROD W/CAP
IP 21019	130255.640	361602.814	0.75" IRON ROD W/CAP
IP 21020	130083.806	361593.819	0.75" IRON ROD W/CAP
IP 21021	128986.659	361578.551	0.75" IRON ROD W/CAP

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
1694	497+88.60	-99.46'
PRW1695	498+21.54	-99.95'
PRW1696	498+35.00	-50.00'
PRW1697	522+00.00	50.00'
PRW1698	521+20.00	80.00'
PRW1699	520+32.46	79.54'
PRW1700	519+50.00	50.00'
21000	497+90.22	0.00'
IP21001	497+89.34	-50.00'
21002	515+15.59	-199.41'
21003	515+46.38	-195.15'
IP21004	515+72.74	-192.28'
IP21005	518+73.04	-49.65'
IP21006	519+86.67	-55.34'
IP21007	520+46.81	-75.00'
IP21008	522+00.00	-75.00'
IP21009	523+55.97	-75.00'
IP21010	524+26.61	-50.00'
IP21011	526+81.42	-50.00'
21012	528+57.37	-50.00'
21013	530+00.32	-50.00'
21014	529+99.95	0.00'
21015	529+99.93	2.84'
21016	529+99.58	50.00'
IP21017	528+57.37	50.00'
IP21018	526+81.42	50.00'
IP21019	510+64.66	50.00'
IP21020	508+88.71	50.00'
IP21021	497+91.45	50.00'
21022	527+11.50	0.00'
E 1/4 SEC. 1	497+89.88	-13.78'

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
43	RALPH L. SCHIMELPHENIG, STEVEN P. SCHIMELPFENIG, MARLENE R. MIRR, AND SUSAN P. LOEFFLER AS CO-TRUSTEES OF THE DLS SPECIAL NEEDS TRUST DATED SEPT. 26, 2013	FEE/TLE	4882	---	4882	927
50	GREGORY DOUGLAS MORALES C/O CONSUELO MORALES-GONZALEZ	FEE	317	1638	1955	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS

203 ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
DOC 316548 "BLANKET IN NATURE" - PAR 43

DETAIL B

DETAIL A

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I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 04/07/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER

SIGNATURE: Brent A. Stella DATE: 4-08-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040116_RP.DWG PLOT DATE : APPRAISAL PLAT DATE : 04/07/2021
PLOT BY : Drew Nelson PLOT DATE : 4/7/2021 1:23 PM PLOT NAME : PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.17

THAT PART OF LOT 1 OF CSM 6402 LOCATED IN PART OF THE SE1/4 OF THE SW1/4 OF SECTION 31, TOWNSHIP 19 NORTH, RANGE 10 EAST, TOWN OF WAUTOMA AND PART OF THE FRACTIONAL NE1/4 OF THE NW1/4 OF SECTION 6, TOWNSHIP 18 NORTH, RANGE 10 EAST, TOWN OF DAKOTA, ALL IN WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM CSM 4338, VOLUME 21, PAGE 127.

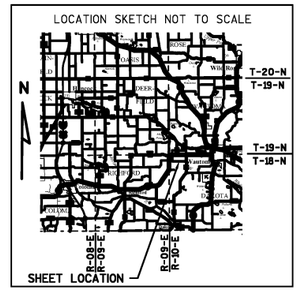
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 6402, CSM 4751, CSM 4338, CSM 2527, PLAT OF SURVEYS AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR CTH T: RW PROJECT 6170-00-20, CSM 4338 AND EXISTING CENTERLINE.

LOCATION SKETCH NOT TO SCALE



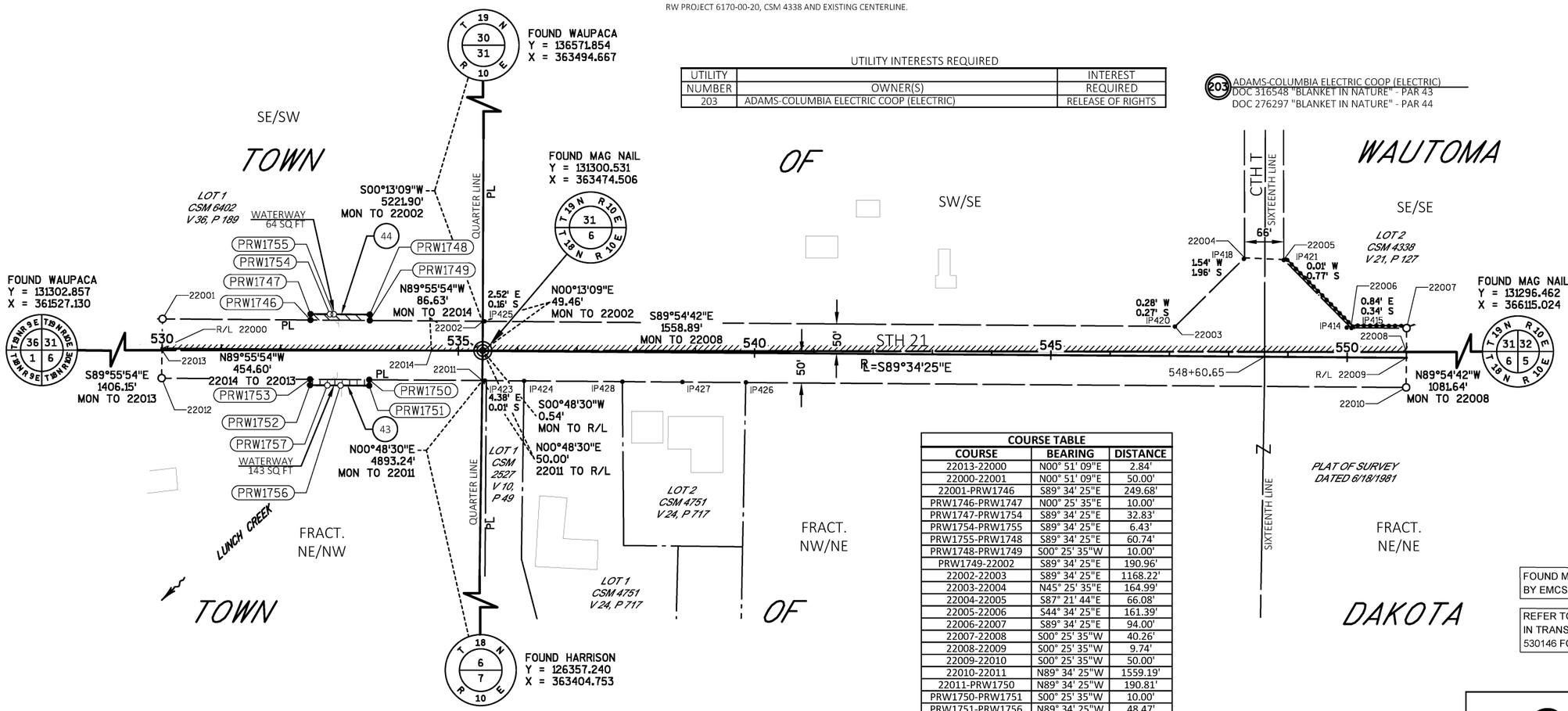
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Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
04/08/2021 12:29:25 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.17
AMENDMENT NO:____

UTILITY INTERESTS REQUIRED

UTILITY		INTEREST
NUMBER	OWNER(S)	REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS

203 ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
DOC 316548 "BLANKET IN NATURE" - PAR 43
DOC 276297 "BLANKET IN NATURE" - PAR 44



STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1746	532+50.00	-50.00'
PRW1747	532+50.00	-60.00'
PRW1748	533+50.00	-60.00'
PRW1749	533+50.00	-50.00'
PRW1750	533+50.00	50.00'
PRW1751	533+50.00	60.00'
PRW1752	532+50.00	60.00'
PRW1753	532+50.00	50.00'
PRW1754	532+82.83	-60.00'
PRW1755	532+89.26	-60.00'
PRW1756	533+01.53	60.00'
PRW1757	532+79.38	60.00'
22000	529+99.95	0.00'
22001	530+00.32	-50.00'
22002	535+40.96	-50.00'
22003	547+09.19	-50.00'
22004	548+25.85	-166.66'
22005	548+91.88	-164.12'
22006	550+06.00	-50.00'
22007	551+00.00	-50.00'
22008	551+00.00	-9.74'
22009	551+00.00	0.00'
22010	551+00.00	50.00'
22011	535+40.81	50.00'
22012	529+99.58	50.00'
22013	529+99.93	2.84'
22014	534+54.52	0.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
22013-22000	N00° 51' 09"E	2.84'
22000-22001	N00° 51' 09"E	50.00'
22001-PRW1746	S89° 34' 25"E	249.68'
PRW1746-PRW1747	N00° 25' 35"E	10.00'
PRW1747-PRW1754	S89° 34' 25"E	32.83'
PRW1754-PRW1755	S89° 34' 25"E	6.43'
PRW1755-PRW1748	S89° 34' 25"E	60.74'
PRW1748-PRW1749	S00° 25' 35"W	10.00'
PRW1749-22002	S89° 34' 25"E	190.96'
22002-22003	S89° 34' 25"E	1168.22'
22003-22004	N45° 25' 35"E	164.99'
22004-22005	S87° 21' 44"E	66.08'
22005-22006	S44° 34' 25"E	161.39'
22006-22007	S89° 34' 25"E	94.00'
22007-22008	S00° 25' 35"W	40.26'
22008-22009	S00° 25' 35"W	9.74'
22009-22010	S00° 25' 35"W	50.00'
22010-22011	N89° 34' 25"W	1559.19'
22011-PRW1750	N89° 34' 25"W	190.81'
PRW1750-PRW1751	S00° 25' 35"W	10.00'
PRW1751-PRW1756	N89° 34' 25"W	48.47'
PRW1756-PRW1757	N89° 34' 25"W	22.15'
PRW1757-PRW1752	N89° 34' 25"W	29.38'
PRW1752-PRW1753	N00° 25' 35"E	10.00'
PRW1753-22012	N89° 34' 25"W	250.42'
22012-22013	N00° 51' 09"E	47.16'

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 414	131339.275	364932.525	0.50" IRON ROD
IP 415	131338.751	364940.527	0.75" IRON ROD
IP 418	131455.128	364758.879	DOT CONC. MON
IP 420	131341.028	364642.612	DOT CONC. MON
IP 421	131453.285	364826.418	0.75" IRON ROD
IP 423	131249.982	363478.168	1.25" O.D. IRON PIPE
IP 424	131249.446	363544.313	1.25" O.D. IRON PIPE
IP 425	131349.829	363477.211	0.75" IRON ROD
IP 426	131246.896	363918.547	0.75" IRON ROD
IP 427	131247.607	363811.493	1.25" O.D. IRON PIPE
IP 428	131248.090	363710.182	0.75" IRON ROD

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
43	RALPH L. SCHIMELPHENIG, STEVEN P. SCHIMELPFENIG, MARLENE R. MIRR, AND SUSAN P. LOEFFLER AS CO-TRUSTEES OF THE DLS SPECIAL NEEDS TRUST DATED SEPT. 26, 2013	FEE	1000	---	1000	---
44	MICHAEL W. STRAUSS AND HEIDI M. STRAUSS	FEE	1000	---	1000	---

GN

SCALE, FEET 0 100 200

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 04/07/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 4-08-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040117_RP.DWG
APPRAISAL PLAT DATE : 04/07/2021
PLOT DATE : 4/7/2021 9:34 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********
6170-00-21-4.17

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.18

THAT PART OF LOT 1 OF CSM 2909 LOCATED IN PART OF THE SW1/4 OF THE SW1/4 OF SECTION 32, TOWNSHIP 19 NORTH, RANGE 10 EAST, TOWN OF WAUTOMA AND PART OF THE FRACTIONAL NE1/4 OF THE NE1/4 OF SECTION 6, TOWNSHIP 18 NORTH, RANGE 10 EAST, TOWN OF DAKOTA, ALL IN WAUSHARA COUNTY, WISCONSIN

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

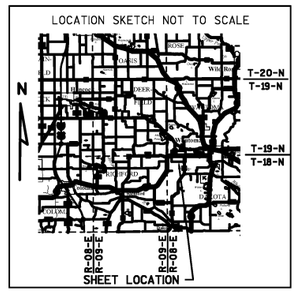
ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM CSM 4338, VOLUME 21, PAGE 127 AND CSM 2909, VOLUME 11, PAGE 264.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

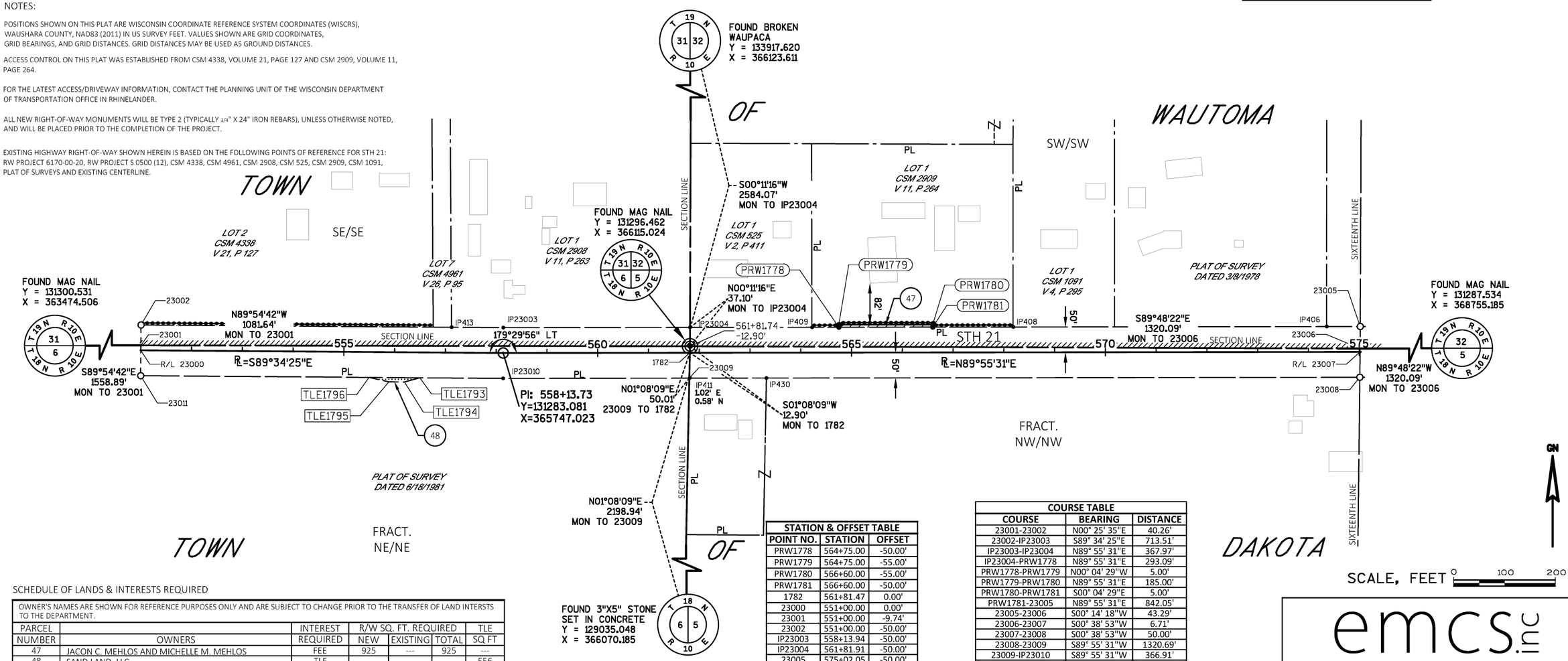
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 4338, CSM 4961, CSM 2908, CSM 525, CSM 2909, CSM 1091, PLAT OF SURVEYS AND EXISTING CENTERLINE.

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 406	131335.301	367369.254	1.00" O.D. IRON PIPE
IP 408	131334.428	366752.013	0.75" IRON ROD
IP 409	131333.780	366355.520	1.00" O.D. IRON PIPE
IP 411	131234.142	366114.796	0.75" IRON ROD
IP 413	131333.930	365645.516	0.75" IRON ROD
IP 430	131233.844	366265.642	0.75" IRON ROD
IP 23003	131333.081	365747.177	0.75" IRON ROD W/CAP
IP 23004	131333.562	366115.146	0.75" IRON ROD W/CAP
IP 23010	131233.081	365746.870	0.75" IRON ROD W/CAP



Document Number: 531144
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
04/08/2021 12:29:51 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.18
AMENDMENT NO:____



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERSTS TO THE DEPARTMENT.						
PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
47	JACON C. MEHLOS AND MICHELLE M. MEHLOS	FEE	925	---	925	---
48	SAND LAND, LLC.	TLE	---	---	---	556

UTILITY INTERESTS REQUIRED

UTILITY		INTEREST
NUMBER	OWNER(S)	REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS

(203) ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
V325 P 522 DOC 268902 "BLANKET IN NATURE" - PAR 48
V362 P 561 DOC 284307 "BLANKET IN NATURE" - PAR 47

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1778	564+75.00	-50.00'
PRW1779	564+75.00	-55.00'
PRW1780	566+60.00	-55.00'
PRW1781	566+60.00	-50.00'
1782	561+81.47	0.00'
23000	551+00.00	0.00'
23001	551+00.00	-9.74'
23002	551+00.00	-50.00'
IP23003	558+13.94	-50.00'
IP23004	561+81.91	-50.00'
23005	575+02.05	-50.00'
23006	575+01.82	-6.71'
23007	575+01.73	0.00'
23008	575+01.10	50.00'
23009	561+80.41	50.00'
IP23010	558+13.73	50.00'
23011	551+00.00	50.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1793	556+50.00	50.00'
TLE1794	556+19.87	58.50'
TLE1795	555+89.04	58.50'
TLE1796	555+50.00	50.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
23001-23002	N00° 25' 35"E	40.26'
23002-IP23003	S89° 34' 25"E	713.51'
IP23003-IP23004	N89° 55' 31"E	367.97'
IP23004-PRW1778	N89° 55' 31"E	293.09'
PRW1778-PRW1779	N00° 04' 29"W	5.00'
PRW1779-PRW1780	N89° 55' 31"E	185.00'
PRW1780-PRW1781	S00° 04' 29"E	5.00'
PRW1781-23005	N89° 55' 31"E	842.05'
23005-23006	S00° 14' 18"W	43.29'
23006-23007	S00° 38' 53"W	6.71'
23007-23008	S00° 38' 53"W	50.00'
23008-23009	S89° 55' 31"W	1320.69'
23009-IP23010	S89° 55' 31"W	366.91'
IP23010-23011	N89° 34' 25"W	713.94'
23011-23000	N00° 25' 35"E	50.00'
23000-23001	N00° 25' 35"E	9.74'

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

emcs.llc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 04/07/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 4-08-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040118_RP.DWG
APPRAISAL PLAT DATE : 04/07/2021
PLOT DATE : 4/7/2021 8:16 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.18

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.19

THAT PART OF LOT 1 OF CSM 4985 LOCATED IN PART OF THE FRACTIONAL NW1/4 OF THE NE1/4 AND PART OF THE FRACTIONAL NE1/4 OF THE NW1/4 OF SECTION 5, TOWNSHIP 18 NORTH, RANGE 10 EAST, TOWN OF DAKOTA, WAUSHARA COUNTY, WISCONSIN.

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.
ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM CSM 4985, VOLUME 26, PAGE 143.

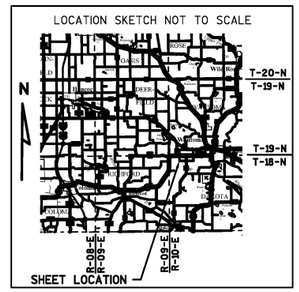
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 4985 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR CTY Y: RW PROJECT 6170-00-20, CSM 4985 AND EXISTING CENTERLINE.

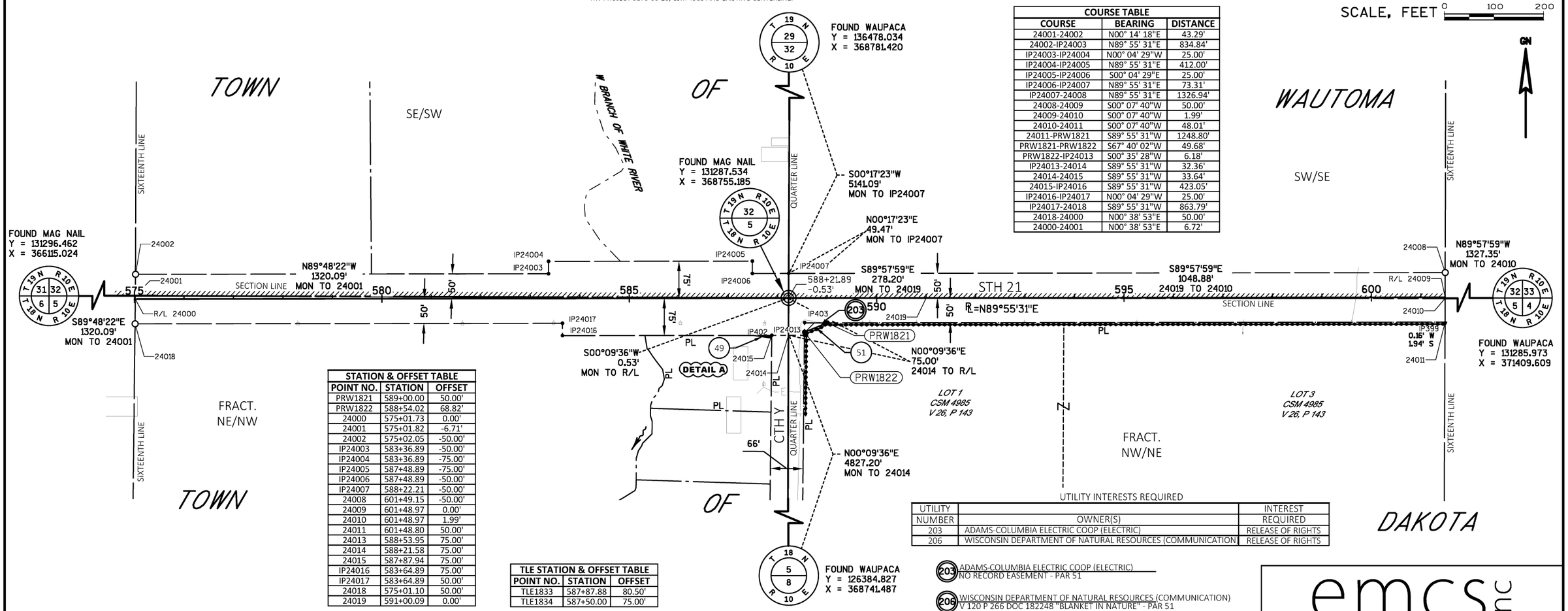
LOCATION SKETCH NOT TO SCALE



Document Number: 531145
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
04/08/2021 12:30:15 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.19
AMENDMENT NO:____

SCALE, FEET 0 100 200



COURSE TABLE		
COURSE	BEARING	DISTANCE
24001-24002	N00° 14' 18"E	43.29'
24002-IP24003	N89° 55' 31"E	834.84'
IP24003-IP24004	N00° 04' 29"W	25.00'
IP24004-IP24005	N89° 55' 31"E	412.00'
IP24005-IP24006	S00° 04' 29"E	25.00'
IP24006-IP24007	N89° 55' 31"E	73.31'
IP24007-24008	N89° 55' 31"E	1326.94'
24008-24009	S00° 07' 40"W	50.00'
24009-24010	S00° 07' 40"W	1.99'
24010-24011	S00° 07' 40"W	48.01'
24011-PRW1821	S89° 55' 31"W	1248.80'
PRW1821-PRW1822	S67° 40' 02"W	49.68'
PRW1822-IP24013	S00° 35' 28"W	6.18'
IP24013-24014	S89° 55' 31"W	32.36'
24014-24015	S89° 55' 31"W	33.64'
24015-IP24016	S89° 55' 31"W	423.05'
IP24016-IP24017	N00° 04' 29"W	25.00'
IP24017-24018	S89° 55' 31"W	863.79'
24018-24000	N00° 38' 53"E	50.00'
24000-24001	N00° 38' 53"E	6.72'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
PRW1821	589+00.00	50.00'
PRW1822	588+54.02	68.82'
24000	575+01.73	0.00'
24001	575+01.82	-6.71'
24002	575+02.05	-50.00'
IP24003	583+36.89	-50.00'
IP24004	583+36.89	-75.00'
IP24005	587+48.89	-75.00'
IP24006	587+48.89	-50.00'
IP24007	588+22.21	-50.00'
24008	601+49.15	-50.00'
24009	601+48.97	0.00'
24010	601+48.97	1.99'
24011	601+48.80	50.00'
24013	588+53.95	75.00'
24014	588+21.58	75.00'
24015	587+87.94	75.00'
IP24016	583+64.89	75.00'
IP24017	583+64.89	50.00'
24018	575+01.10	50.00'
24019	591+00.09	0.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1833	587+87.88	80.50'
TLE1834	587+50.00	75.00'

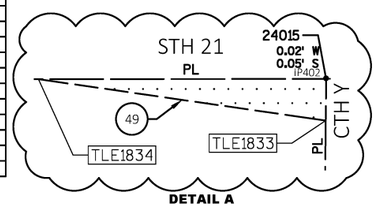
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS
206	WISCONSIN DEPARTMENT OF NATURAL RESOURCES (COMMUNICATION)	RELEASE OF RIGHTS

(203) ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
NO RECORD EASEMENT - PAR 51

(206) WISCONSIN DEPARTMENT OF NATURAL RESOURCES (COMMUNICATION)
V 120 P 266 DOC 182248 "BLANKET IN NATURE" - PAR 51

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 399	131236.797	370081.993	0.75" IRON ROD
IP 402	131212.014	368721.315	2.00" O.D. IRON PIPE
IP 403	131237.844	368787.655	0.75" IRON ROD
IP 24003	131336.374	368270.121	0.75" IRON ROD W/CAP
IP 24004	131361.374	368270.089	0.75" IRON ROD W/CAP
IP 24005	131361.912	368682.088	0.75" IRON ROD W/CAP
IP 24006	131336.912	368682.121	0.75" IRON ROD W/CAP
IP 24007	131337.008	368755.435	0.75" IRON ROD W/CAP
IP 24013	131212.049	368787.339	0.75" IRON ROD W/CAP
IP 24016	131211.411	368298.284	0.75" IRON ROD W/CAP
IP 24017	131236.411	368298.252	0.75" IRON ROD W/CAP



FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
49	TRENT D. NELSON	TLE	---	---	---	104
51	G.R. KIRK CO.	FEE	431	---	431	---

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

emcs inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 04/07/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L. Stella DATE: 4-08-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040119_RP.DWG
APPRAISAL PLAT DATE : 04/07/2021
PLOT DATE : 4/7/2021 9:33 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.19

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.20

LOCATED IN PART OF THE SW1/4 OF THE SW1/4 OF SECTION 33, TOWNSHIP 19 NORTH, RANGE 10 EAST, TOWN OF WAUTOMA, WAUSHARA COUNTY, WISCONSIN.

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

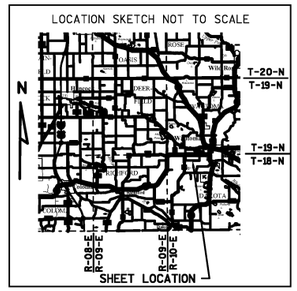
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 4483, CSM 1806, PLAT OF SURVEYS AND EXISTING CENTERLINE.

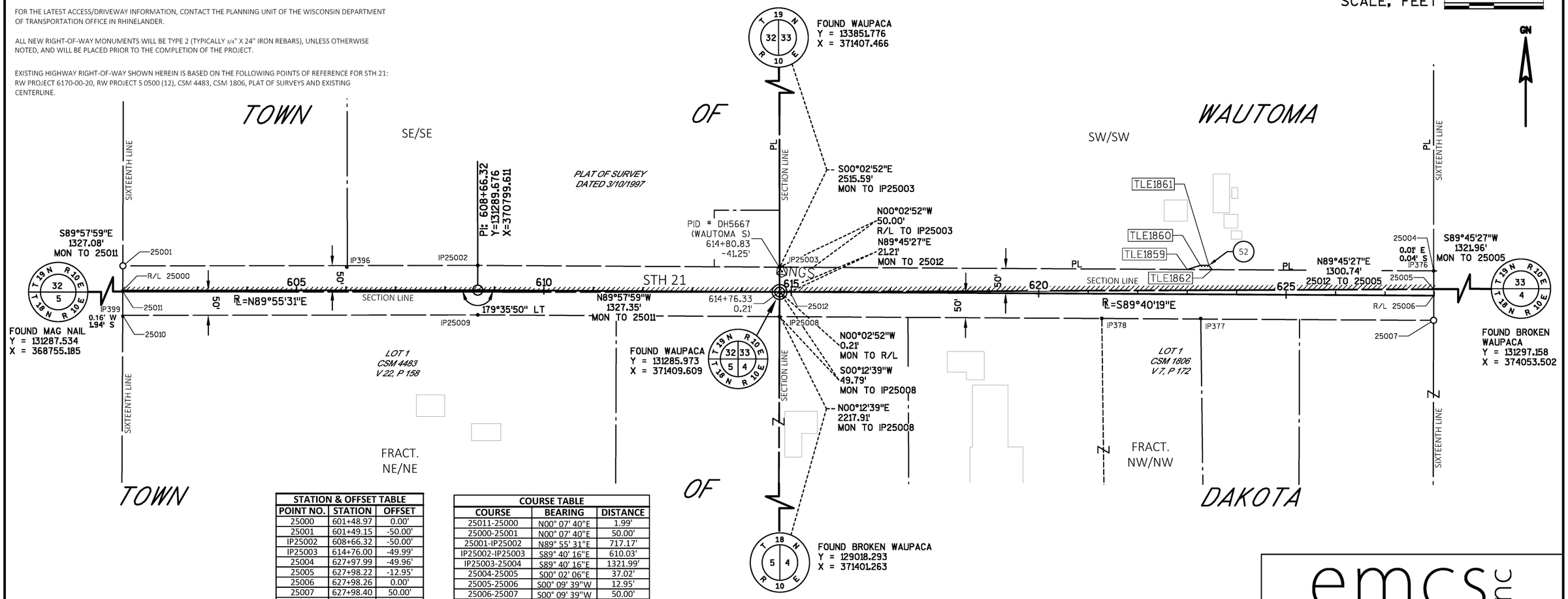
EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 376	131328.582	372731.540	1.00" O.D. IRON PIPE
IP 377	131232.302	372260.536	1.50" O.D. IRON PIPE
IP 378	131232.647	372060.744	2.00" O.D. IRON PIPE
IP 396	131336.295	370534.920	1.25" O.D. IRON PIPE
IP 399	131236.797	370081.993	0.75" IRON ROD
IP 25002	131339.676	370799.546	0.75" IRON ROD W/CAP
IP 25003	131336.185	371409.567	0.75" IRON ROD W/CAP
IP 25008	131236.184	371409.426	0.75" IRON ROD W/CAP
IP 25009	131239.676	370799.501	0.75" IRON ROD W/CAP



Document Number: 531147
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
04/08/2021 01:53:59 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.20
AMENDMENT NO:____

SCALE, FEET 0 100 200



STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
25000	601+48.97	0.00'
25001	601+49.15	-50.00'
IP25002	608+66.32	-50.00'
IP25003	614+76.00	-49.99'
25004	627+97.99	-49.96'
25005	627+98.22	-12.95'
25006	627+98.26	0.00'
25007	627+98.40	50.00'
IP25008	614+76.43	50.00'
IP25009	608+66.49	50.00'
25010	601+48.80	50.00'
25011	601+48.97	1.99'
25012	614+97.54	0.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
25011-25000	N00° 07' 40"E	1.99'
25000-25001	N00° 07' 40"E	50.00'
25001-IP25002	N89° 55' 31"E	717.17'
IP25002-IP25003	S89° 40' 16"E	610.03'
IP25003-25004	S89° 40' 16"E	1321.99'
25004-25005	S00° 02' 06"E	37.02'
25005-25006	S00° 09' 39"W	12.95'
25006-25007	S00° 09' 39"W	50.00'
25007-IP25008	N89° 40' 19"W	1321.97'
IP25008-IP25009	N89° 40' 19"W	609.93'
IP25009-25010	S89° 55' 31"W	717.35'
25010-25011	N00° 07' 40"E	48.01'

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
52	TONY S. SAY	TLE	---	---	---	287

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1859	622+99.91	-49.97'
TLE1860	623+26.45	-58.50'
TLE1861	623+43.70	-58.50'
TLE1862	623+50.02	-49.97'

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin C. Boyer DATE: 04/07/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 4-08-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040120_RP.DWG PLOT DATE : 4/7/2021 11:41 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : 04/07/2021

6170-00-21-4.20

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.21

THAT PART OF THE SE1/4 OF THE SW1/4 OF SECTION 33, TOWNSHIP 19 NORTH, RANGE 10 EAST, TOWN OF WAUTOMA, WAUSHARA COUNTY, WISCONSIN.

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

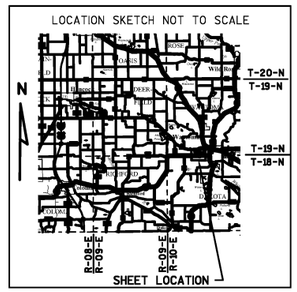
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
53	RODGER L. PODOLL AND MICHELLE E. PODOLL	TLE	---	---	---	500

LOCATION SKETCH NOT TO SCALE



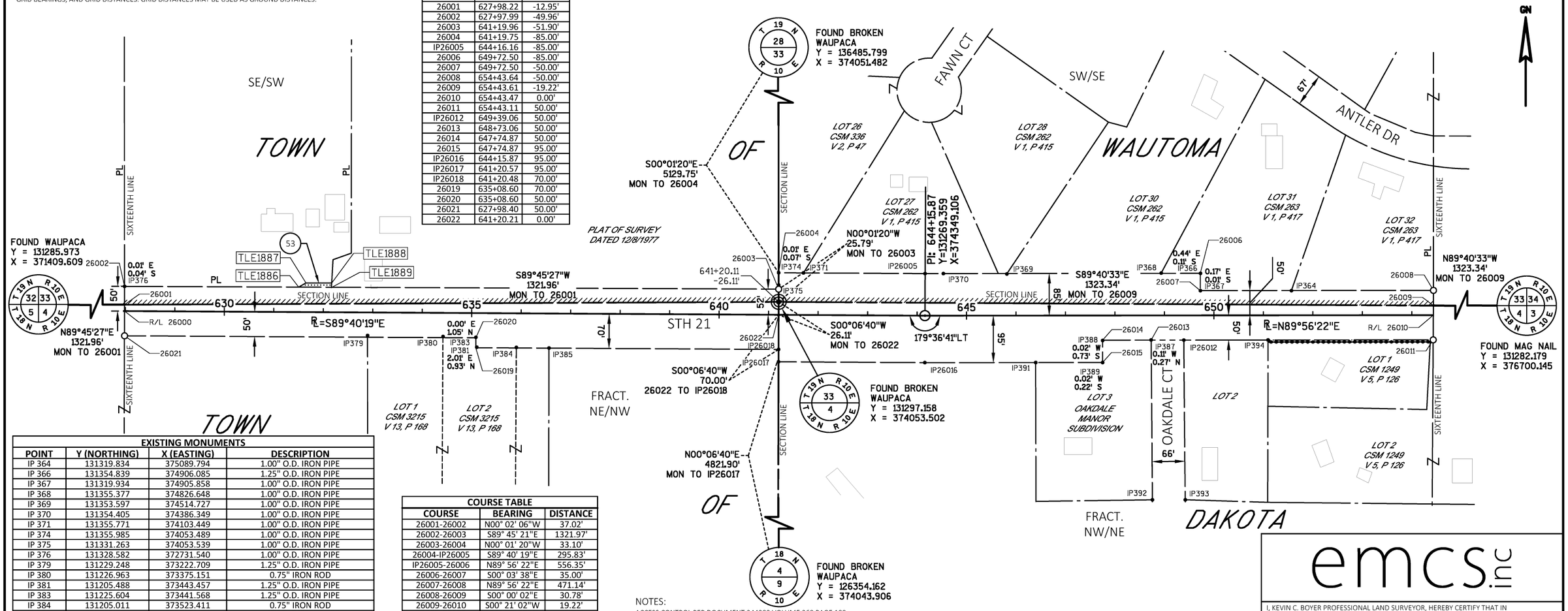
Document Number: 531148
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
04/08/2021 01:54:26 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.21
AMENDMENT NO:____

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
26000	627+98.26	0.00'
26001	627+98.22	-12.95'
26002	627+97.99	-49.96'
26003	641+19.96	-51.90'
26004	641+19.75	-85.00'
IP26005	644+16.16	-85.00'
26006	649+72.50	-85.00'
26007	649+72.50	-50.00'
26008	654+43.64	-50.00'
26009	654+43.61	-19.22'
26010	654+43.47	0.00'
26011	654+43.11	50.00'
IP26012	649+39.06	50.00'
26013	648+73.06	50.00'
26014	647+74.87	50.00'
26015	647+74.87	95.00'
IP26016	644+15.87	95.00'
IP26017	641+20.57	95.00'
IP26018	641+20.48	70.00'
26019	635+08.60	70.00'
26020	635+08.60	50.00'
26021	627+98.40	50.00'
26022	641+20.21	0.00'

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1886	631+50.00	-50.48'
TLE1887	631+64.61	-59.00'
TLE1888	632+16.59	-59.00'
TLE1889	632+16.11	-50.00'

SCALE, FEET 0 100 200



EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 364	131319.834	375089.794	1.00" O.D. IRON PIPE
IP 366	131354.839	374906.085	1.25" O.D. IRON PIPE
IP 367	131319.934	374905.858	1.00" O.D. IRON PIPE
IP 368	131355.377	374826.648	1.00" O.D. IRON PIPE
IP 369	131353.597	374514.727	1.00" O.D. IRON PIPE
IP 370	131354.405	374386.349	1.00" O.D. IRON PIPE
IP 371	131355.771	374103.449	1.00" O.D. IRON PIPE
IP 374	131355.985	374053.489	1.00" O.D. IRON PIPE
IP 375	131331.263	374053.539	1.00" O.D. IRON PIPE
IP 376	131328.582	372731.540	1.00" O.D. IRON PIPE
IP 379	131229.248	373222.709	1.25" O.D. IRON PIPE
IP 380	131226.963	373375.151	0.75" IRON ROD
IP 381	131205.488	373443.457	1.25" O.D. IRON PIPE
IP 383	131225.604	373441.568	1.25" O.D. IRON PIPE
IP 384	131205.011	373523.411	0.75" IRON ROD
IP 385	131203.873	373589.402	1.25" O.D. IRON PIPE
IP 387	131220.115	374806.236	1.25" IRON ROD
IP 388	131219.007	374708.136	1.00" O.D. IRON PIPE W/ CAP
IP 389	131174.522	374708.187	1.00" O.D. IRON PIPE
IP 391	131174.545	374572.940	1.25" IRON ROD
IP 392	130897.018	374808.850	1.25" IRON ROD
IP 393	130897.114	374875.320	1.25" IRON ROD
IP 394	131220.232	375042.590	0.75" IRON ROD
IP 26005	131354.359	374349.304	0.75" IRON ROD W/CAP
IP 26012	131219.912	374872.346	0.75" IRON ROD W/CAP
IP 26016	131174.359	374348.884	0.75" IRON ROD W/CAP
IP 26017	131176.051	374053.267	0.75" IRON ROD W/CAP
IP 26018	131201.051	374053.315	0.75" IRON ROD W/CAP

COURSE TABLE		
COURSE	BEARING	DISTANCE
26001-26002	N00° 02' 06"W	37.02'
26002-26003	S89° 45' 21"E	1321.97'
26003-26004	N00° 01' 20"W	33.10'
26004-IP26005	S89° 40' 19"E	295.83'
IP26005-26006	N89° 56' 22"E	556.35'
26006-26007	S00° 03' 38"E	35.00'
26007-26008	N89° 56' 22"E	471.14'
26008-26009	S00° 00' 02"E	30.78'
26009-26010	S00° 21' 02"W	19.22'
26010-26011	S00° 21' 02"W	50.00'
26011-IP26012	S89° 56' 22"W	504.05'
IP26012-26013	S89° 56' 22"W	66.00'
26013-26014	S89° 56' 22"W	98.19'
26014-26015	S00° 03' 38"E	45.00'
26015-IP26016	S89° 56' 22"W	359.32'
IP26016-IP26017	N89° 40' 19"W	295.62'
IP26017-IP26018	N00° 06' 40"E	25.00'
IP26018-26019	N89° 40' 19"W	611.87'
26019-26020	N00° 19' 41"E	20.00'
26020-26021	N89° 40' 19"W	710.20'
26021-26000	N00° 09' 39"E	50.00'
26000-26001	N00° 09' 39"E	12.95'

NOTES:
ACCESS CONTROL PER DOCUMENT 244383 VOLUME 268 PAGE 189.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), OAKDALE MANOR SUBDIVISION, CSM 336, CSM 262, CSM 263, CSM 3215, CSM 1249, PLAT OF SURVEYS AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR OAKDALE CT: RW PROJECT 6170-00-20, OAKDALE MANOR SUBDIVISION AND EXISTING CENTERLINE.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C. BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 04/07/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 4-08-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040121_RP.DWG
APPRAISAL PLAT DATE : 04/07/2021
PLOT DATE : 4/7/2021 11:42 AM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.21

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.22

THAT PART OF THE SE1/4 OF THE SE1/4 OF SECTION 33, TOWNSHIP 19 NORTH, RANGE 10 EAST, TOWN OF WAUTOMA, PART OF THE SW1/4 OF THE SW1/4 OF SECTION 34, TOWNSHIP 19 NORTH, RANGE 10 EAST, CITY OF WAUTOMA, AND PART OF THE FRACTIONAL NE1/4 OF THE NE1/4 OF SECTION 4, TOWNSHIP 18 NORTH, RANGE 10 EAST, TOWN OF DAKOTA, ALL IN WAUSHARA COUNTY, WISCONSIN.

RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

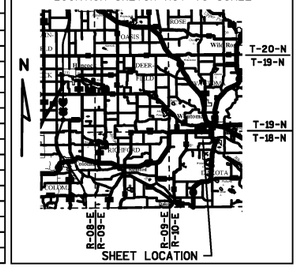
NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

COURSE TABLE		
COURSE	BEARING	DISTANCE
27001-27002	N00° 00' 02"W	30.78'
27002-27003	N89° 56' 22"E	263.90'
27003-27004	N89° 56' 22"E	66.00'
27004-IP27005	N89° 56' 22"E	960.43'
IP27005-27006	N89° 56' 22"E	33.00'
27006-IP27007	N89° 56' 22"E	33.00'
IP27007-27008	N89° 56' 22"E	1283.95'
27008-27009	S00° 00' 11"E	48.25'
27009-27010	S01° 22' 50"W	1.75'
27010-27011	S01° 22' 50"W	50.02'
27011-27012	S89° 56' 22"W	1316.34'
27012-27013	S89° 56' 22"W	1323.12'
27013-27000	N00° 21' 02"E	50.00'
27000-27001	N00° 21' 02"E	19.22'

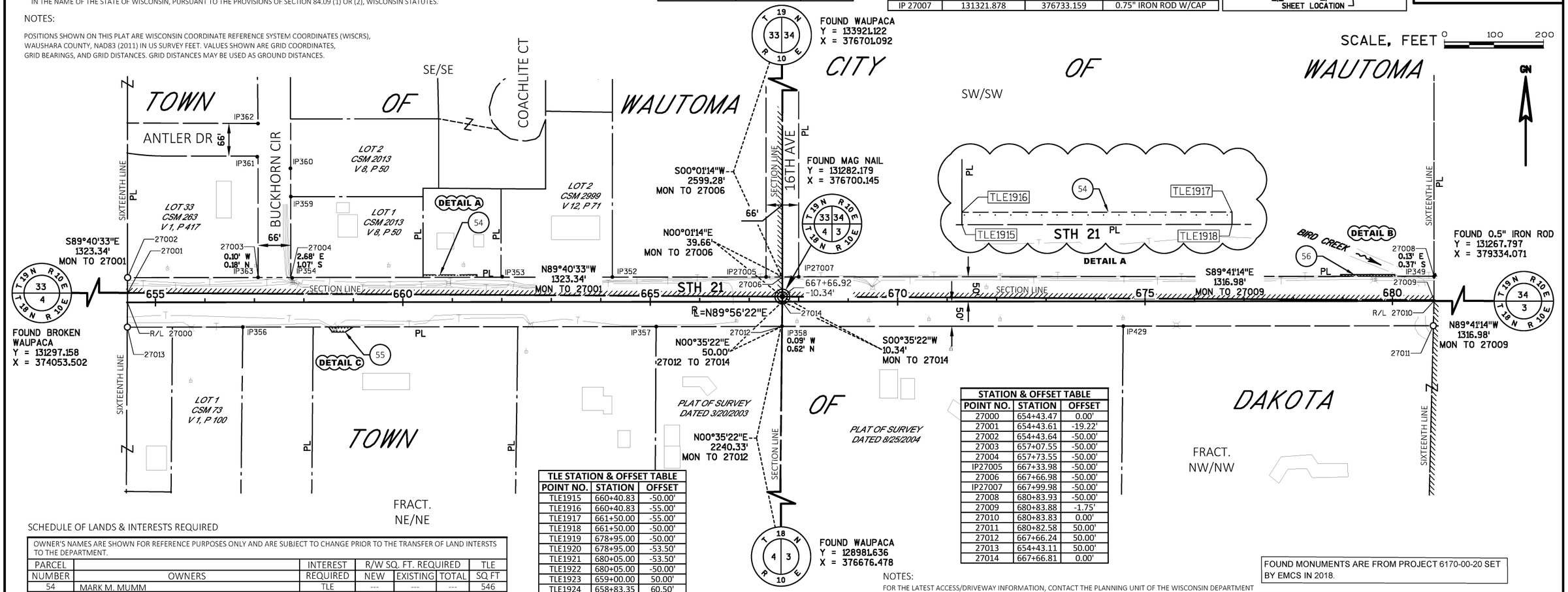
EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 349	131322.867	378017.233	0.75" IRON ROD
IP 352	131321.568	376356.596	1.25" O.D. IRON PIPE
IP 353	131322.460	376133.847	1.25" O.D. IRON PIPE
IP 354	131319.724	375709.404	0.75" IRON ROD
IP 356	131220.683	375609.848	1.00" O.D. IRON PIPE
IP 357	131221.588	376445.215	1.00" O.D. IRON PIPE
IP 358	131222.463	376699.432	2.50" O.D. IRON PIPE
IP 359	131484.014	375706.862	0.75" IRON ROD
IP 360	131541.106	375705.871	1.25" O.D. IRON PIPE
IP 361	131564.572	375638.950	1.00" O.D. IRON PIPE
IP 362	131631.582	375640.476	1.00" O.D. IRON PIPE
IP 363	131320.905	375640.625	1.00" O.D. IRON PIPE
IP 429	131222.211	377389.116	AXEL SHAFT
IP 27005	131321.809	376667.159	0.75" IRON ROD W/CAP
IP 27007	131321.878	376733.159	0.75" IRON ROD W/CAP

LOCATION SKETCH NOT TO SCALE



Document Number: 531149
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
04/08/2021 01:56:34 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.22
AMENDMENT NO:____



TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1915	660+40.83	-50.00'
TLE1916	660+40.83	-55.00'
TLE1917	661+50.00	-55.00'
TLE1918	661+50.00	-50.00'
TLE1919	678+95.00	-50.00'
TLE1920	678+95.00	-53.50'
TLE1921	680+05.00	-53.50'
TLE1922	680+05.00	-50.00'
TLE1923	659+00.00	50.00'
TLE1924	658+83.35	60.50'
TLE1925	658+57.34	60.50'
TLE1926	658+50.00	50.00'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
27000	654+43.47	0.00'
27001	654+43.61	-19.22'
27002	654+43.64	-50.00'
27003	657+07.55	-50.00'
27004	657+73.55	-50.00'
IP27005	667+33.98	-50.00'
27006	667+66.98	-50.00'
IP27007	667+99.98	-50.00'
27008	680+83.93	-50.00'
27009	680+83.88	-1.75'
27010	680+83.83	0.00'
27011	680+82.58	50.00'
27012	667+66.24	50.00'
27013	654+43.11	50.00'
27014	667+66.81	0.00'

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL		INTEREST	R/W SQ. FT. REQUIRED			TLE
NUMBER	OWNERS	REQUIRED	NEW	EXISTING	TOTAL	SQ FT
54	MARK M. MUMM	TLE	---	---	---	546
56	THE CITY OF WAUTOMA	TLE	---	---	---	385
55	ALLEN W. SEEHAVER AND DARLENE A. SEEHAVER	TLE	---	---	---	399

204 CENTURYLINK (COMMUNICATION)
V419 P 568 DOC 309265 - PAR 56
NO RECORD EASEMENT - PAR 55

203 ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)
NO RECORD EASEMENT - PAR 55

205 CHATER (COMMUNICATION)
NO RECORD EASEMENT - PAR 55

UTILITY INTERESTS REQUIRED

UTILITY		INTEREST
NUMBER	OWNER(S)	REQUIRED
204	CENTRYLINK (COMMUNICATION)	RELEASE OF RIGHTS
205	CHARTER (COMMUNICATION)	RELEASE OF RIGHTS
203	ADAMS-COLUMBIA ELECTRIC COOP (ELECTRIC)	RELEASE OF RIGHTS

NOTES:

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, RW PROJECT S 0500 (12), CSM 263, CSM 2013, CSM 2999, CSM 73, PLAT OF SURVEYS AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR BUCKHORN CIR: RW PROJECT 6170-00-20, CSM 2013, CSM 263 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR 16TH AVE: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

emcs LLC

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 04/07/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 4-08-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040122_RP.DWG
APPRAISAL PLAT DATE : 04/07/2021
PLOT DATE : 4/7/2021 1:53 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********
6170-00-21-4.22

TRANSPORTATION PROJECT PLAT NO: 6170-00-21-4.23

THAT PART OF THE FRACTIONAL NE1/4 OF THE NW1/4 OF SECTION 3, TOWNSHIP 18 NORTH, RANGE 10 EAST, AND PART OF THE SE1/4 OF THE SW1/4 OF SECTION 34, TOWNSHIP 19 NORTH, RANGE 10 EAST, ALL IN CITY OF WAUTOMA, WAUSHARA COUNTY, WISCONSIN.

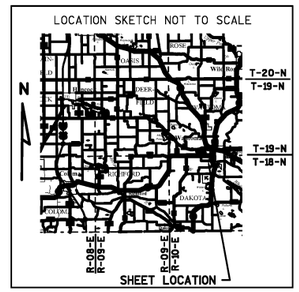
RELOCATION ORDER- STH 21, COLOMA - WAUTOMA (MADISON ST TO STH 22), WAUSHARA COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

TLE STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
TLE1962	681+80.00	-50.00'
TLE1963	681+80.00	-53.00'
TLE1964	683+25.00	-53.00'
TLE1965	683+25.00	-50.00'
TLE1966	691+50.00	50.00'
TLE1967	691+28.79	58.50'
TLE1968	691+14.18	58.50'
TLE1969	691+00.00	50.00'
TLE1970	682+52.00	50.00'
TLE1971	682+52.00	54.50'
TLE1972	681+38.00	54.50'
TLE1973	681+38.00	50.00'

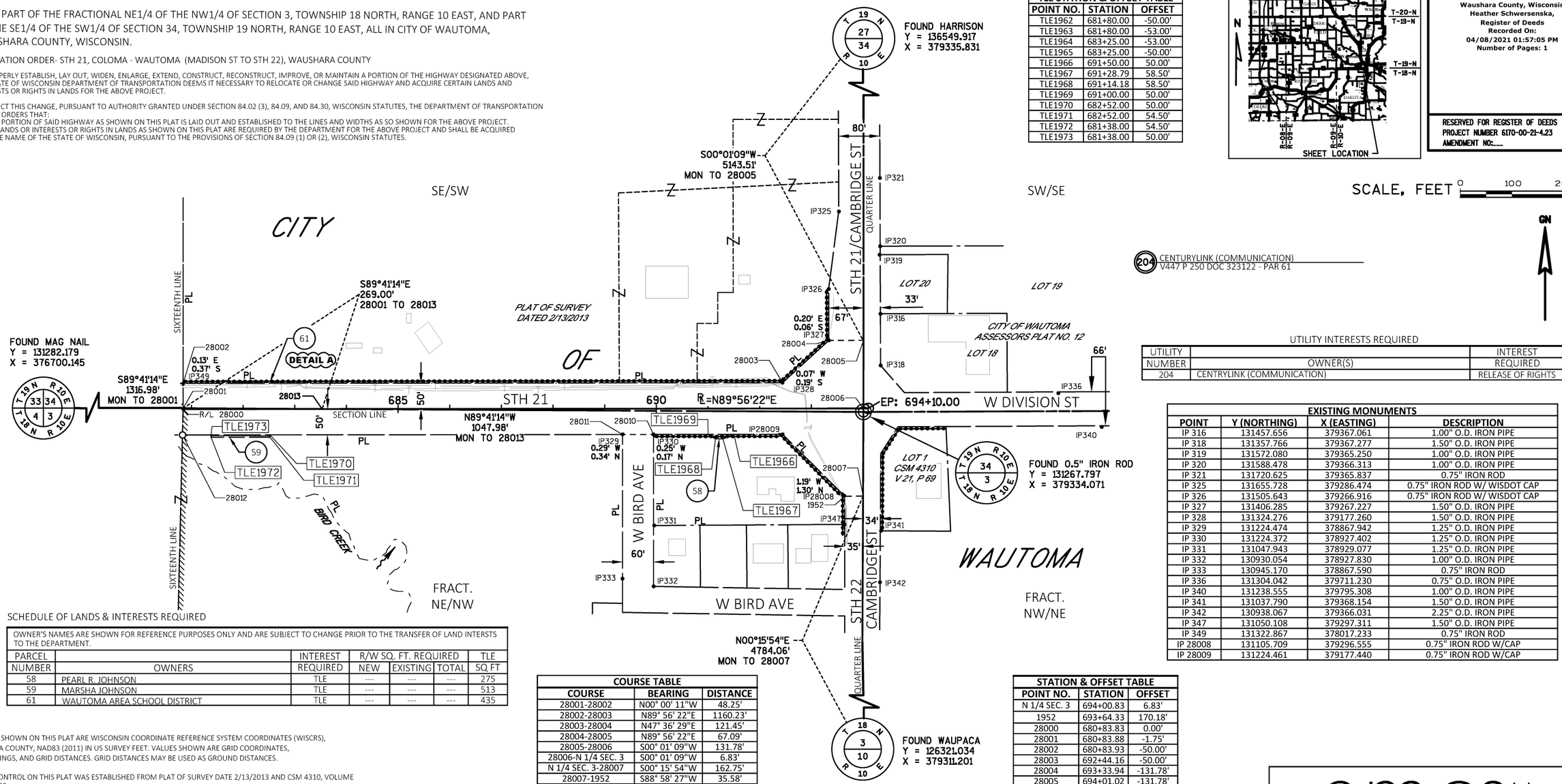
LOCATION SKETCH NOT TO SCALE



Document Number: 531150
Waushara County, Wisconsin
Heather Schwersenska,
Register of Deeds
Recorded On:
04/08/2021 01:57:05 PM
Number of Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6170-00-21-4.23
AMENDMENT NO:____

SCALE, FEET 0 100 200



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
204	CENTRYLINK (COMMUNICATION)	RELEASE OF RIGHTS

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP 316	131457.656	379367.061	1.00" O.D. IRON PIPE
IP 318	131357.766	379367.277	1.50" O.D. IRON PIPE
IP 319	131572.080	379365.250	1.00" O.D. IRON PIPE
IP 320	131588.478	379366.313	1.00" O.D. IRON PIPE
IP 321	131720.625	379365.837	0.75" IRON ROD
IP 325	131655.728	379286.474	0.75" IRON ROD W/ WISDOT CAP
IP 326	131505.643	379266.916	0.75" IRON ROD W/ WISDOT CAP
IP 327	131406.285	379267.227	1.50" O.D. IRON PIPE
IP 328	131324.276	379177.260	1.50" O.D. IRON PIPE
IP 329	131224.474	378867.942	1.25" O.D. IRON PIPE
IP 330	131224.372	378927.402	1.25" O.D. IRON PIPE
IP 331	131047.943	378929.077	1.25" O.D. IRON PIPE
IP 332	130930.054	378927.830	1.00" O.D. IRON PIPE
IP 333	130945.170	378867.590	0.75" IRON ROD
IP 336	131304.042	379711.230	0.75" O.D. IRON PIPE
IP 340	131238.555	379795.308	1.00" O.D. IRON PIPE
IP 341	131037.790	379368.154	1.50" O.D. IRON PIPE
IP 342	130938.067	379366.031	2.25" O.D. IRON PIPE
IP 347	131050.108	379297.311	1.50" O.D. IRON PIPE
IP 349	131322.867	378017.233	0.75" IRON ROD
IP 28008	131105.709	379296.555	0.75" IRON ROD W/CAP
IP 28009	131224.461	379177.440	0.75" IRON ROD W/CAP

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
58	PEARL R. JOHNSON	TLE	---	---	---	275
59	MARSHA JOHNSON	TLE	---	---	---	513
61	WAUTOMA AREA SCHOOL DISTRICT	TLE	---	---	---	435

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUSHARA 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.

ACCESS CONTROL ON THIS PLAT WAS ESTABLISHED FROM PLAT OF SURVEY DATE 2/13/2013 AND CSM 4310, VOLUME 21, PAGE 69.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 21: RW PROJECT 6170-00-20, EXISTING RW PROJECT S 0500(12), CITY OF WAUTOMA ASSESSORS PLAT NO. 12, CSM 4310, PLAT OF SURVEY AND EXISTING CENTERLINE.

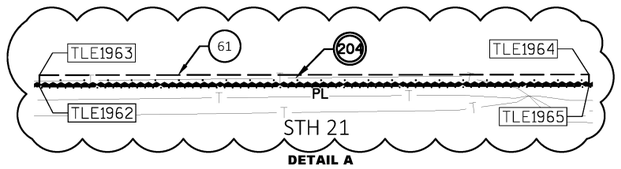
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR STH 22: RW PROJECT 6170-00-20, EXISTING RW PROJECT S 0500(12), CSM 4310 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR W DIVISION ST: RW PROJECT 6170-00-20, EXISTING RW PROJECT S 0500(12), CITY OF WAUTOMA ASSESSORS PLAT NO. 12, CSM 4310 AND EXISTING CENTERLINE.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE FOR W BIRD AVE: RW PROJECT 6170-00-20, EXISTING CENTERLINE.

COURSE TABLE		
COURSE	BEARING	DISTANCE
28001-28002	N00° 00' 11"W	48.25'
28002-28003	N89° 56' 22"E	1160.23'
28003-28004	N47° 36' 29"E	121.45'
28004-28005	N89° 56' 22"E	67.09'
28005-28006	S00° 01' 09"W	131.78'
28006-N 1/4 SEC. 3	S00° 01' 09"W	6.83'
N 1/4 SEC. 3-28007	S00° 15' 54"W	162.75'
28007-1952	S88° 58' 27"W	35.58'
1952-IP28009	N45° 03' 38"W	169.96'
IP28009-28010	S89° 56' 22"W	249.79'
28010-28011	S89° 56' 22"W	60.00'
28011-28012	S89° 56' 22"W	851.79'
28012-28000	N01° 22' 50"E	50.02'
28000-28001	N01° 22' 50"E	1.75'

STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
N 1/4 SEC. 3	694+00.83	6.83'
1952	693+64.33	170.18'
28000	680+83.83	0.00'
28001	680+83.88	-1.75'
28002	680+83.93	-50.00'
28003	692+44.16	-50.00'
28004	693+33.94	-131.78'
28005	694+01.02	-131.78'
28006	694+00.84	0.00'
28007	693+99.91	-169.58'
IP28009	692+44.16	50.00'
28010	689+94.37	50.00'
28011	689+34.37	50.00'
28012	680+82.58	50.00'
28013	683+52.87	0.00'



DETAIL A

FOUND MONUMENTS ARE FROM PROJECT 6170-00-20 SET BY EMCS IN 2018.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN TRANSPORTATION PROJECT PLATS AS DOCUMENT NO. 530146 FOR ADDITIONAL INFORMATION.

ALL TLES ARE FOR SLOPE GRADING PURPOSES.

emcs.inc

I, KEVIN C. BOYER PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KEVIN C BOYER S-2675 HEWITT WI LAND SURVEYOR

SIGNATURE: Kevin C. Boyer DATE: 04/07/2021
PRINT NAME: KEVIN C. BOYER
REGISTRATION NUMBER: S-2675

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH CENTRAL REGION- RHINELANDER
SIGNATURE: Brent L Stella DATE: 4-08-21
PRINT NAME:

FILE NAME : P:\52XX\5292.SP.20.NC JV WO 1\JV01 - STH 21 TPP\CADDS\6170-00-21\SHEETSPLAN\040123_RP.DWG
APPRAISAL PLAT DATE : 04/07/2021
PLOT DATE : 4/7/2021 1:59 PM PLOT BY : DREW NELSON PLOT NAME : PLOT SCALE : **********

6170-00-21-4.23

BEGIN PROJECT 6170-00-70
STA 4+93
MATCH EXISTING
SAW CUT REQ'D

SPECTRUM
COMMUNICATION LINE

ASPHALT PRIVATE ENTRANCE
STA 5+93.9, 41.7' LT MATCH EXISTING
REMOVE EXISTING 18"X28' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 5+78.1, 31.3' LT, ELEV 1029.94
OUTLET STA 6+05.9, 31.0' LT, ELEV 1029.82

UNION TELEPHONE CO
COMMUNICATION LINE

BP: 4+00.00

EP: 10+00.00 "A"

N89°03'34"E
595.42'

TLE (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

ASPHALT PRIVATE ENTRANCE
STA 8+37.4, 60.0' RT MATCH EXISTING
REMOVE EXISTING 2-24"X32' METAL CULV PIPES
REMOVING MASONRY REQ'D
RCCP HORIZ ELLIPTICAL CLASS IV 29"X45" REQ'D
APRON ENDWALLS FOR RCCP
HORIZ ELLIPTICAL 29"X45" REQ'D
INLET STA 6+25.1, 37.5' RT, ELEV 1028.09
OUTLET STA 6+43.0, 37.4' RT, ELEV 1028.03

ASPHALT PRIVATE ENTRANCE
STA 6+34.5, 55.0' RT MATCH EXISTING
REMOVE EXISTING 2-24"X26' METAL CULV PIPES
REMOVING MASONRY REQ'D
RCCP HORIZ ELLIPTICAL CLASS IV 29"X45" REQ'D
APRON ENDWALLS FOR RCCP
HORIZ ELLIPTICAL 29"X45" REQ'D
INLET STA 6+25.1, 37.5' RT, ELEV 1028.09
OUTLET STA 6+43.0, 37.4' RT, ELEV 1028.03

BP: 7+00.00 "A"

MADISON ST

ASPHALT PRIVATE ENTRANCE
STA 7+90.9, 44.1' LT MATCH EXISTING
REMOVE EXISTING 12"X27' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 7+76.5, 35.9' LT, ELEV 1028.42
OUTLET STA 8+04.4, 36.8' LT, ELEV 1028.32

ASPHALT PRIVATE ENTRANCE
STA 10+00.4, 41.9' LT MATCH EXISTING
REMOVE EXISTING 12"X23' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 10+15.2, 30.1' LT, ELEV 1030.13
OUTLET STA 9+86.3, 30.7' LT, ELEV 1030.08

CULV #69021008499
STA 8+07
REMOVE EXISTING 24"X56' METAL CULV PIPE
STA 8+85
RCCP CLASS IV 24" REQ'D
APRON ENDWALLS FOR RCCP 24" REQ'D

REMOVING LANDSCAPING
PLANTER REQ'D
STA 9+52 LT

SPECTRUM
COMMUNICATION LINE

COLOMA MUNICIPAL WATER
WATER

UNION TELEPHONE CO
COMMUNICATION LINE

REMOVING CONC SIDEWALK REQ'D
STA 9+97 RT

PC: 9+95.42

GRAVEL PRIVATE ENTRANCE
STA 10+19.6, 45.4' RT MATCH EXISTING
REMOVE EXISTING 12"X28' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 10+28.2, 33.9' RT, ELEV 1031.09
OUTLET STA 10+05.0, 33.2' RT, ELEV 1030.93

CLEARING & GRUBBING REQ'D
STA 9+22, 44' LT; STA 9+37, 41' LT; STA 9+66, 42' LT

GRAVEL PRIVATE ENTRANCE
STA 11+63.6, 44.8' LT MATCH EXISTING
REMOVE EXISTING 12"X28' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 11+77.0, 30.9 LT, ELEV 1030.46
OUTLET STA 11+42.4, 31.2 LT, ELEV 1030.38

SPECTRUM
COMMUNICATION LINE

WE ENERGIES
GAS

SLOPE INTERCEPT (TYP.)

UNION TELEPHONE CO
COMMUNICATION LINE

ASPHALT PRIVATE ENTRANCE
STA 10+57.8, 51.2' RT MATCH EXISTING
REMOVE EXISTING 15"X28' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 10+69.5, 34.2' RT, ELEV 1031.22
OUTLET STA 10+47.8, 34.0' RT, ELEV 1031.12

GRAVEL PRIVATE ENTRANCE
STA 12+05.7, 41.7' LT MATCH EXISTING
REMOVE EXISTING 12"X27' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 12+22.0, 30.4' LT, ELEV 1030.56
OUTLET STA 11+91.0, 30.8' LT, ELEV 1030.49

ASPHALT PRIVATE ENTRANCE
STA 12+55.9, 43.2' LT MATCH EXISTING
REMOVE EXISTING 15"X30' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 12+69.1, 30.0' LT, ELEV 1030.65
OUTLET STA 12+35.3, 30.3' LT, ELEV 1030.58

COLOMA WASTEWATER TREATMENT
SEWER

ALLIANT ENERGY
ELECTRICITY

LINDEN ST

STH 21

ASPHALT PRIVATE ENTRANCE
STA 14+60.6, 41.3' LT MATCH EXISTING
REMOVE EXISTING 15"X23' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 14+41.2, 30.5' LT, ELEV 1030.15
OUTLET STA 14+75.2, 30.5' LT, ELEV 1030.07

SPECTRUM
COMMUNICATION LINE

UNION TELEPHONE CO
COMMUNICATION LINE

COLOMA MUNICIPAL WATER
WATER

PT STA = 14+14.76
Y = 119377.432
X = 321561.654
DELTA = 40°11'11"
D = 4°59'54"
T = 419.33'
L = 804.00'
R = 1146.30'
PC STA = 9+95.42
PT STA = 17+99.42
SUPER = 5.0%

SPECTRUM
COMMUNICATION LINE

UNION TELEPHONE CO
COMMUNICATION LINE

CULV #69021008500
STA 17+98
REMOVE EXISTING 18"X65' METAL CULV PIPE
RCCP HORIZ ELLIPTICAL CLASS IV 19"X30" REQ'D
APRON ENDWALLS FOR RCCP
HORIZ ELLIPTICAL 19X30 REQ'D

PT: 17+99.42

CTH FF

WE ENERGIES
GAS

WE ENERGIES
GAS

ENVIRONMENTALLY
SENSITIVE AREA

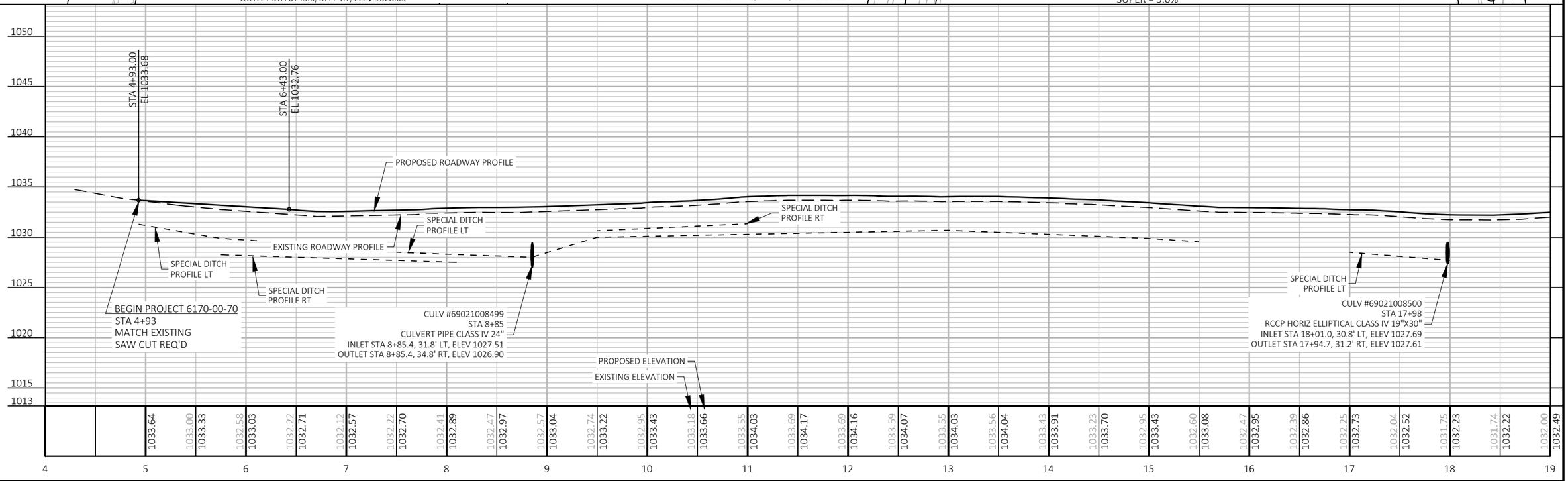
SLATER ST

N

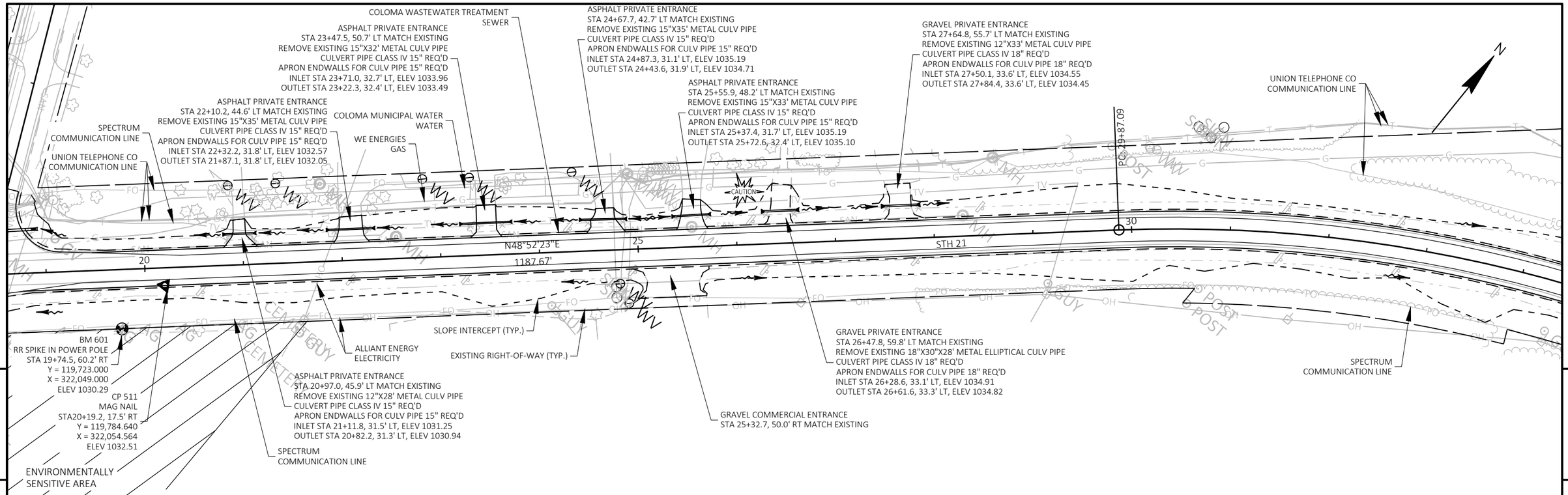
CAUTION

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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 185	E

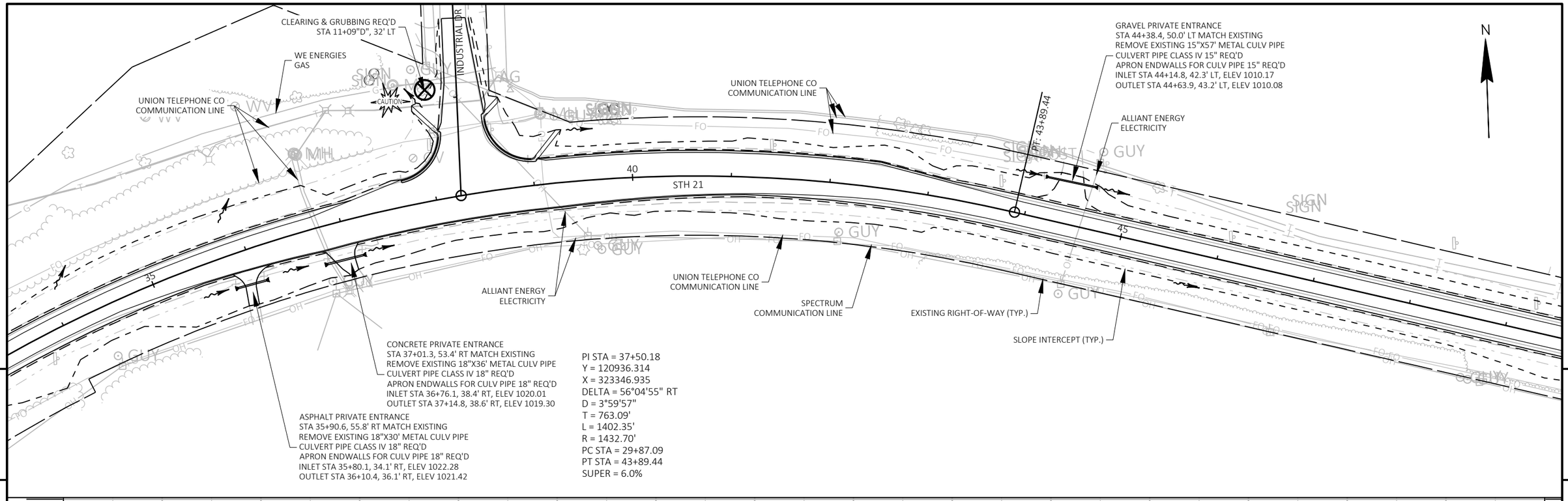


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 186 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 02

PLOT DATE : 10/11/2022 10:50 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 187	E

ALLIANT ENERGY
ELECTRICITY

ATC MANAGEMENT
ELECTRICITY

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

UNION TELEPHONE CO
COMMUNICATION LINE

6TH AVE

UNION TELEPHONE CO
COMMUNICATION LINE

ALLIANT ENERGY
ELECTRICITY

UNION TELEPHONE CO
COMMUNICATION LINE

N

50 55 60

STH 21

SPECTRUM
COMMUNICATION LINE

UNION TELEPHONE CO
COMMUNICATION LINE

ALLIANT ENERGY
ELECTRICITY

ALLIANT ENERGY
ELECTRICITY

ATC MANAGEMENT
ELECTRICITY

GRAVEL COMMERCIAL ENTRANCE
STA 51+03.6, 51.9' RT MATCH EXISTING
REMOVE EXISTING 12"X50' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 50+71.1, 34.8' RT, ELEV 1006.84
OUTLET STA 51+23.0, 33.9' RT, ELEV 1006.70

GRAVEL FIELD ENTRANCE
STA 58+79.2, 55.0' RT MATCH EXISTING
REMOVE EXISTING 15"X32'PLASTIC CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 58+61.2, 34.2' RT, ELEV 1002.53
OUTLET STA 58+93.5, 34.4' RT, ELEV 1002.29

CULV #69021008501 & 502
STA 63+19 & STA 63+27
EXISTING 2-36"X58' METAL CULV PIPES TO REMAIN
CPCS 36" EXTENSIONS LT & RT REQ'D
CONCRETE MASONRY ENDWALLS REQ'D
REMOVAL OF FIELDSTONE ENDWALLS
INCLUDED UNDER EXCAVATION FOR CULV

5

5

1025
1020
1015
1010
1005
1000
995
990
987

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE LT

PROPOSED ELEVATION

EXISTING ELEVATION

CULV #69021008501
STA 63+19
CPCS 36" EXISTING CULVERT & EXTENSIONS
INLET STA 63+18.4, 31.6' LT, ELEV 997.94
OUTLET STA 63+20.5, 35.8' RT, ELEV 996.56
CULV #69021008502
STA 63+27
CPCS 36" EXISTING CULVERT & EXTENSIONS
INLET STA 63+24.6, 32.1' LT, ELEV 997.76
OUTLET STA 63+26.9, 35.5' RT, ELEV 996.61

| | | |

GRAVEL PRIVATE ENTRANCE
STA 71+23.9, 49.5' LT MATCH EXISTING
REMOVE EXISTING 15"X28' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 71+06.6, 34.2' LT, ELEV 997.01
OUTLET STA 71+38.2, 35.6' LT, ELEV 996.57

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

ALLIANT ENERGY
ELECTRICITY

UNION TELEPHONE CO
COMMUNICATION LINE

N

POST

65 70 75

STH 21

MH MH

SPECTRUM
COMMUNICATION LINE

UNION TELEPHONE CO
COMMUNICATION LINE

GRAVEL PRIVATE ENTRANCE
STA 67+67.6, 44.1' RT MATCH EXISTING
REMOVE EXISTING 15"X46' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 67+38.3, 32.0' RT, ELEV 999.05
OUTLET STA 67+88.0, 31.1' RT, ELEV 998.85

CULV #69021008503
STA 75+67
EXISTING 24"X68' METAL CULV PIPE TO REMAIN
CPCS 24" EXTENSIONS LT & RT REQ'D
APRON ENDWALLS FOR CPCS 24" REQ'D
REMOVAL OF FIELDSTONE ENDWALLS
INCLUDED UNDER EXCAVATION FOR CULV

5

5

1020 1015 1010 1005 1000 995 990 985 981

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE LT

CULV #69021008503
STA 75+67
CPCS 24" EXISTING CULVERT & EXTENSIONS
INLET STA 75+67.4, 34.7' LT, ELEV 991.69
OUTLET STA 75+66.6, 40.0' RT, ELEV 989.94

PROPOSED ELEVATION

EXISTING ELEVATION

| | | |

ASPHALT PRIVATE ENTRANCE
STA 80+59.8, 44.8' LT MATCH EXISTING
REMOVE EXISTING 18"X30' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 80+69.3, 28.9' LT, ELEV 1000.00
OUTLET STA 80+45.2, 29.0' LT, ELEV 999.65

ALLIANT ENERGY
ELECTRICITY

UNION TELEPHONE CO
COMMUNICATION LINE

N

80 — 85 — S75°02'42"E — 90

8320.92'

STH 21

UNION TELEPHONE CO
COMMUNICATION LINE

SPECTRUM
COMMUNICATION LINE

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

CULV #69021008504
STA 88+08
EXISTING 24"X83' METAL CULV PIPE TO REMAIN
CPCS 24" EXTENSIONS LT & RT REQ'D
APRON ENDWALLS FOR CPCS 24" REQ'D
REMOVAL OF FIELDSTONE ENDWALLS
INCLUDED UNDER EXCAVATION FOR CULV

ALLIANT ENERGY
ELECTRICITY

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

PROPOSED ELEVATION

EXISTING ELEVATION

CULV #69021008504
STA 88+08
CPCS 24" EXISTING CULVERT & EXTENSIONS
INLET STA 88+08.8, 54.1' LT, ELEV 1001.44
OUTLET STA 88+06.8, 54.4' RT, ELEV 1001.32

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 190	E

GRAVEL PRIVATE ENTRANCE
STA 99+00.2, 51.9' LT MATCH EXISTING
REMOVE EXISTING 18"X24' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 99+15.5, 34.1' LT, ELEV 1028.24
OUTLET STA 98+88.4, 34.5' LT, ELEV 1028.06

UNION TELEPHONE CO
COMMUNICATION LINE

CLEARING & GRUBBING REQ'D
STA 104+70 - STA 105+60 LT

ALLIANT ENERGY
ELECTRICITY

N

95 100 105

STH 21

SPECTRUM
COMMUNICATION LINE

UNION TELEPHONE CO
COMMUNICATION LINE

GRAVEL PRIVATE ENTRANCE
STA 98+34.8, 54.1' RT MATCH EXISTING
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 98+49.1, 32.0' RT, ELEV 1027.66
OUTLET STA 98+19.8, 32.1' RT, ELEV 1027.32

ALLIANT ENERGY
ELECTRICITY

CLEARING & GRUBBING REQ'D
STA 100+00 - STA 101+00 RT

PROPOSED RIGHT-OF-WAY (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

GRAVEL PRIVATE ENTRANCE
STA 106+21.6, 65.0' RT MATCH EXISTING
REMOVE EXISTING 18"X30' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 106+35.6, 37.6' RT, ELEV 1026.69
OUTLET STA 105+92.5, 39.7' RT, ELEV 1025.27

GRAVEL PRIVATE ENTRANCE
STA 107+96.1, 68.6' RT MATCH EXISTING

5

5

1045 1040 1035 1030 1025 1020 1015 1010 1008

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

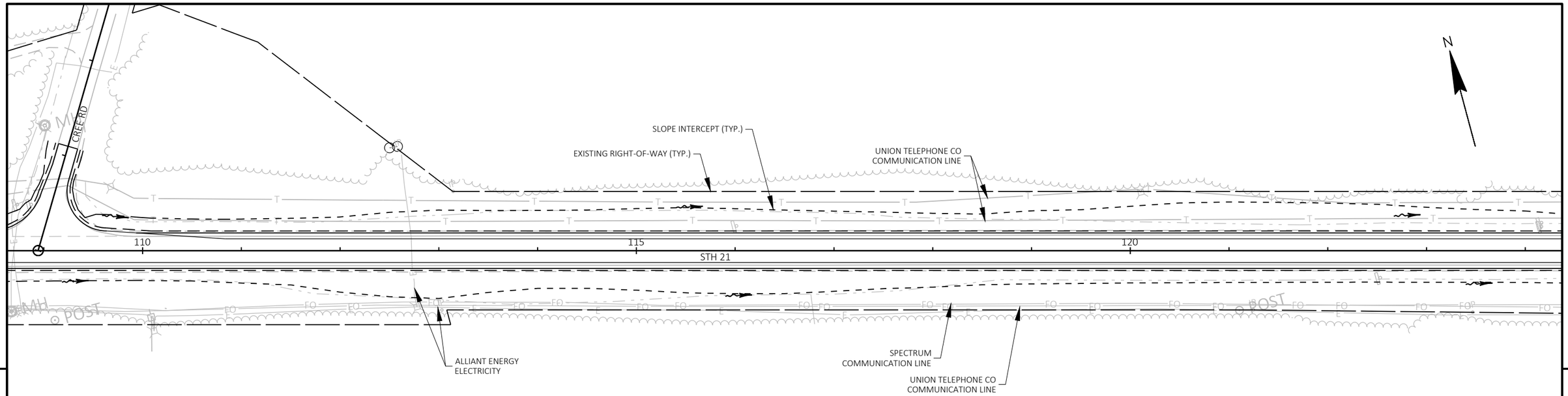
SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

PROPOSED ELEVATION
EXISTING ELEVATION

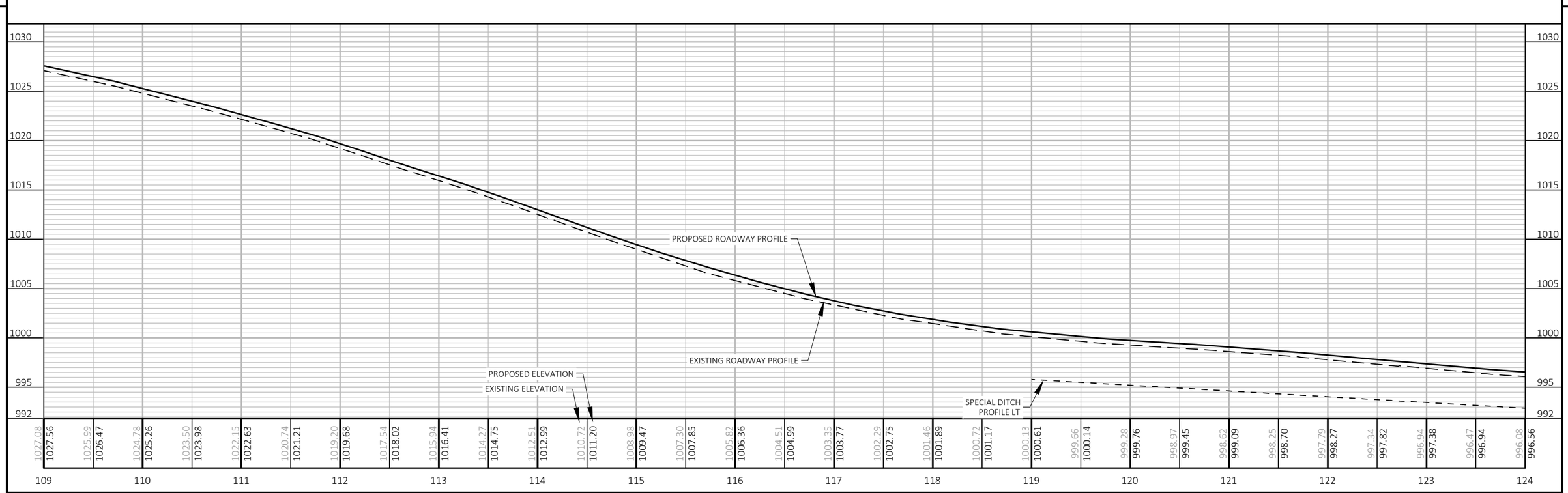
94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109
1024.02	1024.50	1024.88	1025.36	1025.73	1026.21	1026.58	1027.06	1027.39	1027.87	1028.18	1028.66	1028.88	1029.35	1029.52	1030.05
1030.17	1030.65	1030.67	1031.15	1031.10	1031.58	1031.47	1031.92	1031.71	1032.17	1031.86	1032.34	1032.01	1032.49	1032.16	1032.64
1032.19	1032.66	1032.11	1032.59	1031.98	1032.46	1031.82	1032.29	1031.61	1032.09	1031.37	1031.85	1031.16	1031.64	1030.97	1031.44
1030.70	1031.18	1030.40	1030.88	1030.00	1030.52	1029.51	1029.99	1028.79	1029.27	1027.97	1028.44	1027.08	1027.56		

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 191	E



5

5



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 192	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 08

PLOT DATE : 10/11/2022 10:53 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

GRAVEL FIELD ENTRANCE
STA 124+59.4, 47.5' LT MATCH EXISTING
REMOVE EXISTING 18"X28' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 124+42.9, 33.8' RT, ELEV 992.60
OUTLET STA 124+73.5, 33.4' RT, ELEV 992.39

CTH GG

PC: 127+10.36

GRAVEL FIELD ENTRANCE
STA 130+35.1, 40.0' LT MATCH EXISTING

UNION TELEPHONE CO
COMMUNICATION LINE

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

PT: 134+84.37

125

130

135

STH 21

5

5

CLEARING & GRUBBING REQ'D
STA 8+60"G" - STA 9+25"G" RT

7TH DR

PI STA = 130+99.73
Y = 118491.621
X = 332499.455
DELTA = 15°28'45" LT
D = 1°59'59"
T = 389.38'
L = 774.01'
R = 2865.00'
PC STA = 127+10.36
PT STA = 134+84.37
SUPER = 4.0%

SPECTRUM
COMMUNICATION LINE

UNION TELEPHONE CO
COMMUNICATION LINE

ALLIANT ENERGY
ELECTRICITY

GRAVEL PRIVATE ENTRANCE
STA 136+27.0, 37.7' RT MATCH EXISTING

ENVIRONMENTALLY SENSITIVE AREA

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

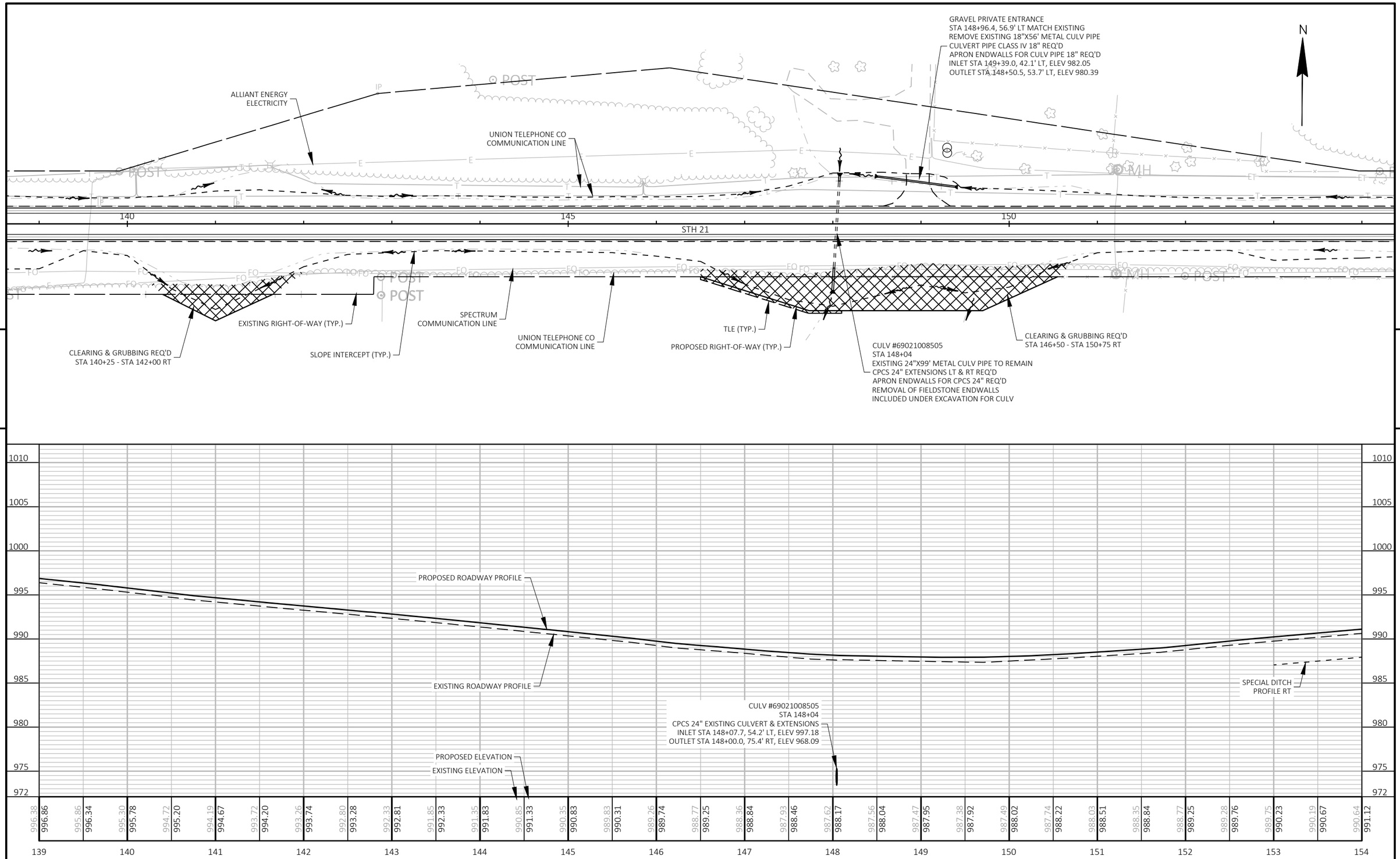
SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

PROPOSED ELEVATION
EXISTING ELEVATION

124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
996.08	995.74	995.44	995.16	994.77	994.55	994.39	994.31	994.32	994.53	994.73	995.08	995.42	995.81	996.17	996.50	996.90	997.36	997.76	998.11	998.36	998.50	998.65	998.71	998.61	997.68	997.26	996.84	996.38
996.56	996.22	995.92	995.64	995.28	995.03	994.88	994.79	994.84	995.01	995.21	995.56	995.90	996.28	996.65	996.98	997.38	997.84	998.24	998.59	998.84	998.98	999.13	999.16	999.06	998.89	998.61	998.19	997.74	997.32	996.86

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 193	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 194	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 10
PLOT DATE : 10/11/2022 10:54 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

GRAVEL PRIVATE ENTRANCE
STA 159+88.3, 47.9' LT MATCH EXISTING
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 160+04.1, 32.0' LT, ELEV 992.94
OUTLET STA 159+77.4, 32.0' LT, ELEV 992.73

GRAVEL FIELD ENTRANCE
STA 166+42.2, 46.2' LT MATCH EXISTING
REMOVE EXISTING 18"X29' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 166+58.8, 32.0' LT, ELEV 999.26
OUTLET STA 166+27.9, 31.8' LT, ELEV 998.97

N

ALLIANT ENERGY
ELECTRICITY

UNION TELEPHONE CO
COMMUNICATION LINE

155 N89°28'33"E 160 165

4065.20'

STH 21

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

SPECTRUM
COMMUNICATION LINE

UNION TELEPHONE CO
COMMUNICATION LINE

CULV #69021008506
STA 162+53
REMOVE EXISTING 48"X70"X60' METAL CATTLE PASS
CULVERT PIPE CLASS III-A NONMETAL 30" REQ'D
APRON ENDWALLS FOR CULVERT PIPE 30" REQ'D
REMOVAL OF FIELDSTONE ENDWALLS
INCLUDED UNDER EXCAVATION FOR CULV

GRAVEL PRIVATE ENTRANCE
STA 158+20.2, 65.0' RT MATCH EXISTING
REMOVE EXISTING 18"X28' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 158+39.8, 34.0' RT, ELEV 991.86
OUTLET STA 158+10.0, 33.4' RT, ELEV 991.67

GRAVEL COMMERCIAL ENTRANCE
STA 166+20.2, 51.1' RT MATCH EXISTING
REMOVE EXISTING 18"X65' PLASTIC CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 166+59.5, 33.5' RT, ELEV 999.06
OUTLET STA 165+80.0, 34.5' RT, ELEV 998.34

5

5

1015 1010 1005 1000 995 990 985 980 978

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH PROFILE RT

SPECIAL DITCH PROFILE RT

SPECIAL DITCH PROFILE LT

SPECIAL DITCH PROFILE LT

SPECIAL DITCH PROFILE RT

CULV #69021008506
STA 162+53
CULVERT PIPE CLASS III-A 30"
INLET STA 162+53.0, 41.9' LT, ELEV 989.40
OUTLET STA 162+53.0, 42.3' RT, ELEV 989.28

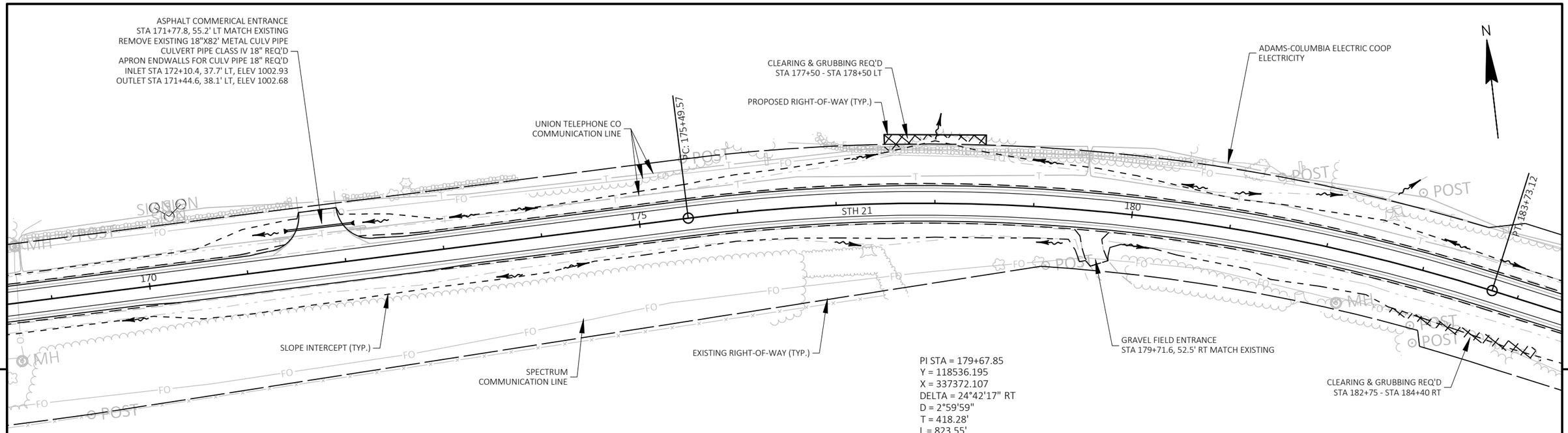
PROPOSED ELEVATION

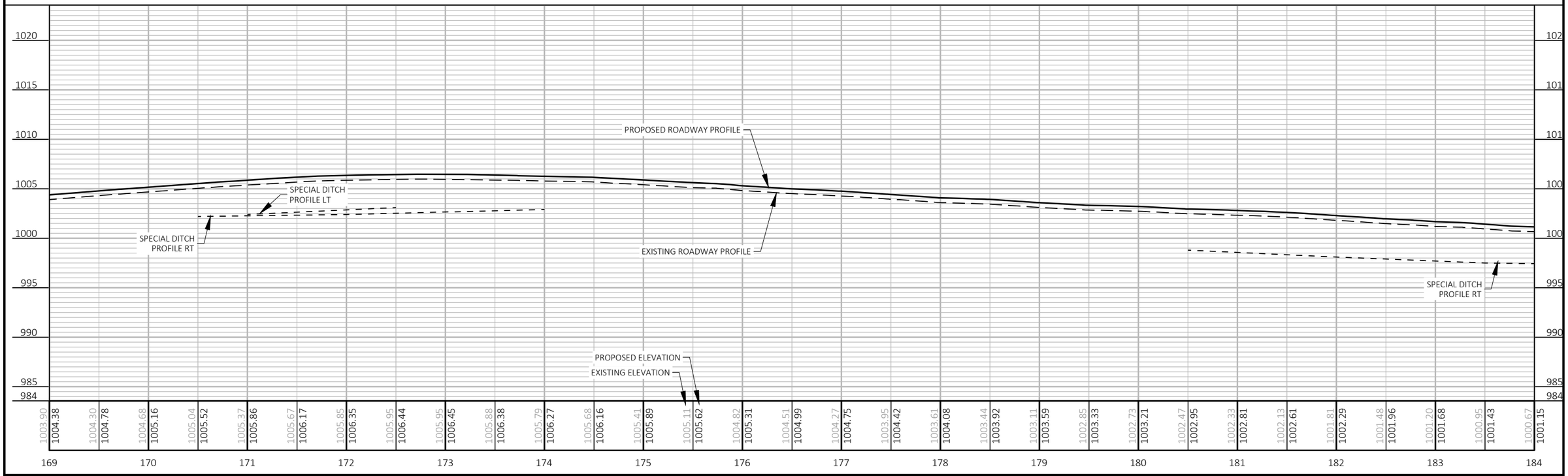
EXISTING ELEVATION

990.64	991.09	991.55	992.03	992.03	992.51	992.51	992.97	993.44	993.92	993.92	994.34	994.73	995.08	995.41	995.81	996.27	996.80	997.37	997.86	998.27	998.65	999.08	999.48	999.89	1000.29	1000.70	1001.18	1001.71	1002.20	1002.64	1003.07	1003.49	1003.90
991.12	991.57	992.03	992.51	992.99	993.45	993.92	994.39	994.82	995.21	995.56	995.89	996.29	996.75	997.28	997.85	998.34	998.75	999.12	999.56	999.96	1000.37	1000.77	1001.18	1001.66	1002.19	1002.68	1003.12	1003.55	1003.97	1004.38			

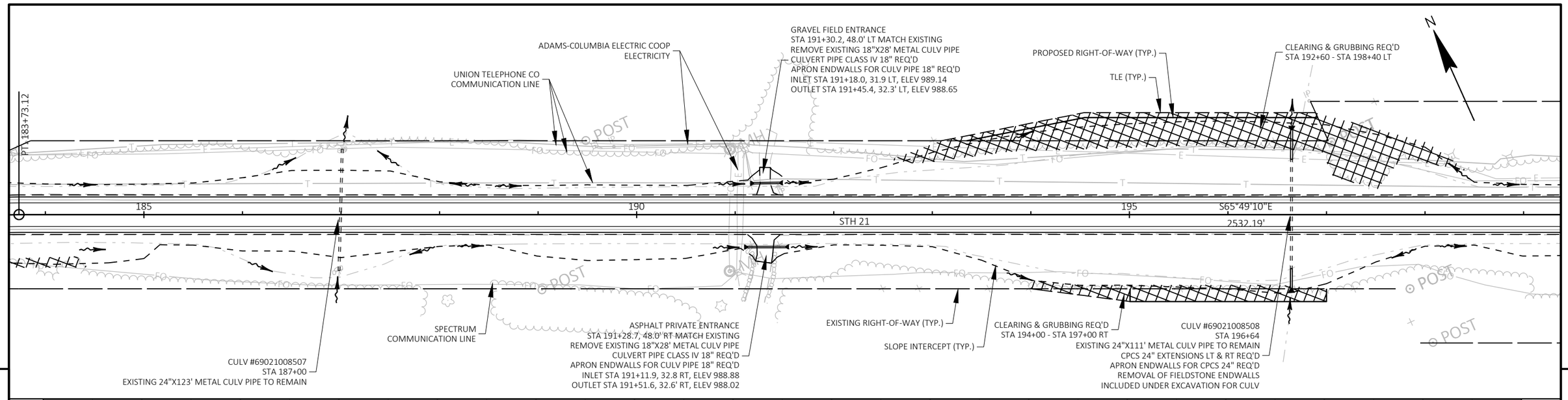
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169

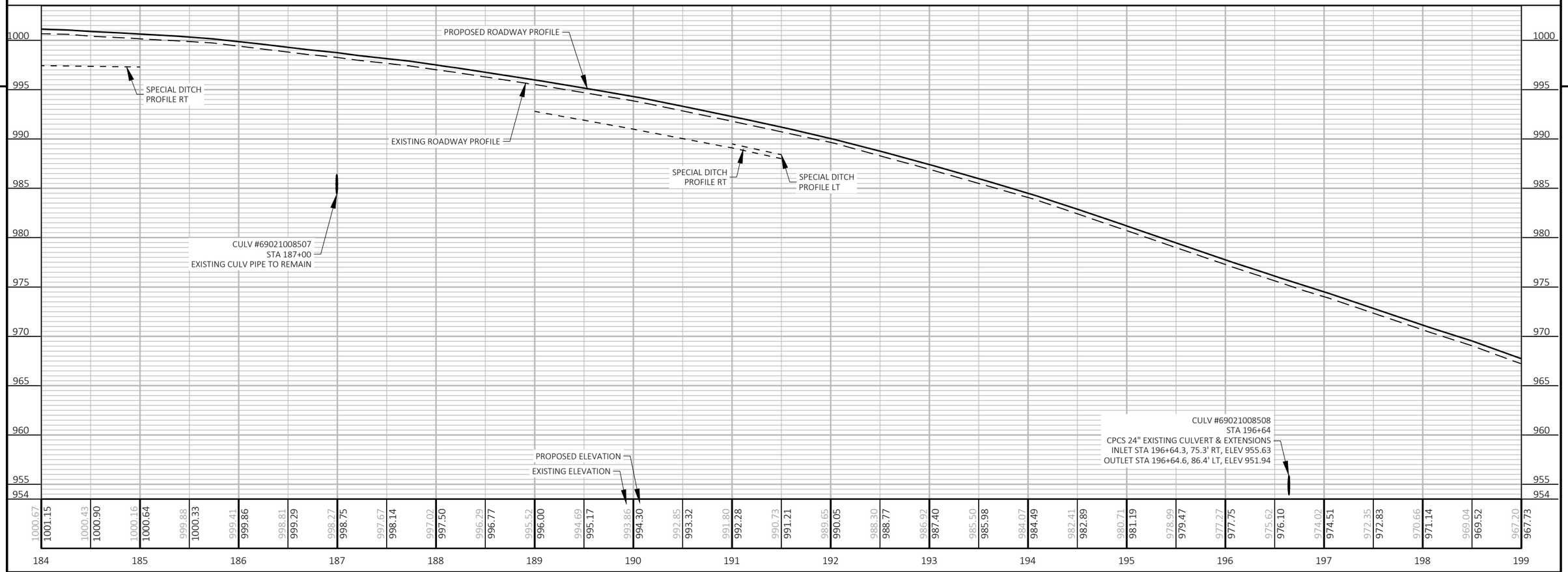
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 195	E



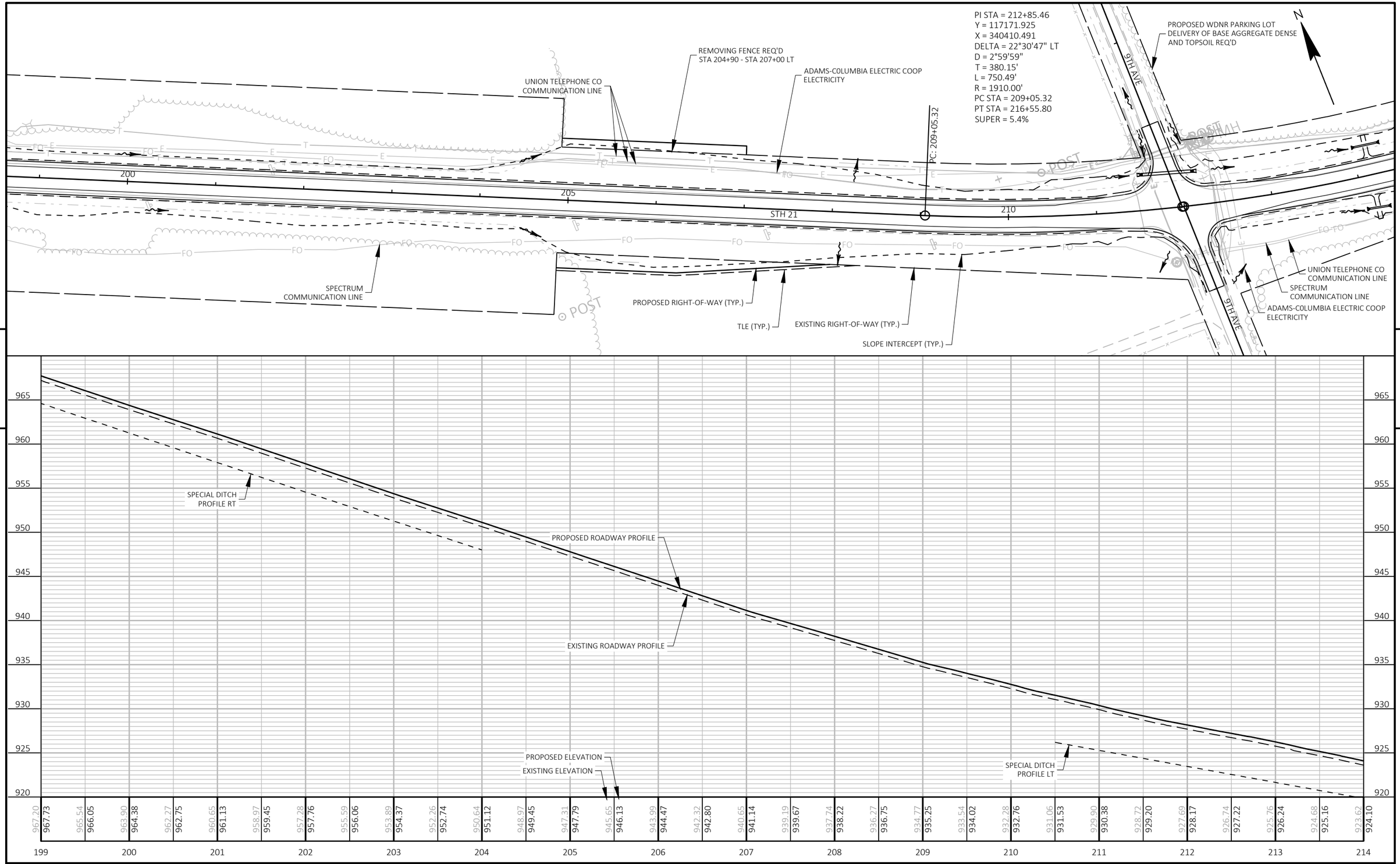


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 196 E





PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 197 E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 198	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 14
PLOT DATE : 10/11/2022 10:56 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

ICE AGE TRAIL CROSSING
STA 214+15.0, 46.1' LT MATCH EXISTING GROUND
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV 18" REQ'D
INLET STA 214+02.0, 34.8' LT, ELEV 919.85
OUTLET STA 214+29.4, 34.4' LT, ELEV 919.42

REMOVE EXISTING GRAVEL PARKING AREA
STA 215+25 LT
RESTORE TO EXISTING ELEVATION
TOPSOIL, SEED, FERTILIZER, & MULCH REQ'D

APRON ENDWALL FOR PIPE UNDERDRAIN
STA 216+47 LT
BM 602
SQUARE CHISELED IN CONC
STA 216+68.8, 19.5' LT
Y = 117,180.000
X = 340,804.000
ELEV 917.60

MECAN RIVER

ASPHALT PRIVATE ENTRANCE
STA 220+07.8, 37.0' LT MATCH EXISTING
REMOVE EXISTING 18"X31' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 220+20.3, 29.2' LT, ELEV 922.64
OUTLET STA 219+96.4, 28.6' LT, ELEV 922.14

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

UNION TELEPHONE CO
COMMUNICATION LINE

GRAVEL PRIVATE ENTRANCE
STA 225+11.3, 53.2' LT MATCH EXISTING
REMOVE EXISTING 18"X43' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 225+34.6, 34.9' LT, ELEV 933.92
OUTLET STA 224+81.5, 35.0' LT, ELEV 933.03

PC: 225+58.42

PROPOSED RIGHT-OF-WAY (TYP.)

N

215 220 225

S88°19'56"E
902.61'

STH 21

CLEARING & GRUBBING REQ'D
STA 215+50 - STA 216+40 LT

PT: 216+55.80

MECAN RIVER

CLEARING & GRUBBING REQ'D
STA 216+90 - STA 218+50 LT

REPLACE GUARDRAIL
STA 214+75 - STA 217+67 RT
STA 215+53 - STA 218+60 LT
SEE CONSTRUCTION DETAILS

BEGIN PROJECT 6170-00-74
STA 220+00

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

SPECTRUM
COMMUNICATION LINE

UNION TELEPHONE CO
COMMUNICATION LINE

ICE AGE TRAIL CROSSING
STA 214+15.0, 50.6' RT MATCH EXISTING GROUND
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 214+04.9, 37.1' RT, ELEV 922.04
OUTLET STA 214+26.6, 38.6' RT, ELEV 921.62

C-69-001
STA 216+50 - STA 216+71
SEE STRUCTURE PLANS

CP 512
MG NAIL
STA 222+00.4, 15.3' RT
Y = 117,129.707
X = 341,334.415
ELEV 930.21

GRAVEL FIELD ENTRANCE
STA 222+43.5, 56.4' RT MATCH EXISTING
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 222+59.0, 43.4' RT, ELEV 926.48
OUTLET STA 222+33.6, 41.4' RT, ELEV 926.29

VCL = 1844.01
K = 348.45

VPC STA 220+41.60
VPC EL 925.93

STA 220+00.00
EL 924.67

3.04%

BEGIN PROJECT 6170-00-74
STA 220+00

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

PROPOSED ELEVATION

EXISTING ELEVATION

955 950 945 940 935 930 925 920 916

214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229
923.62	924.10	922.56	923.04	921.44	921.92	920.54	921.02	919.90	920.38	919.62	920.10	919.54	920.02	919.65	920.13	920.04	920.46	920.70	921.18	921.62	922.08	922.78	923.26	924.19	924.67	925.71	926.18	927.26	927.65	928.84	929.05	930.46	930.38	932.12	931.63	933.78	932.82	935.39	933.93	936.94	934.97	938.53	935.93	940.11	936.83	941.68	937.65	943.23	938.41	944.80	939.09	946.47	939.69	948.19	940.23	949.67	940.70	951.04	941.09	952.16	941.41

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 199 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 15

PLOT DATE : 10/11/2022 10:56 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

CLEARING & GRUBBING REQ'D
STA 227+85 - STA 235+35 LT

PROPOSED RIGHT-OF-WAY (TYP.)

TLE (TYP.)

UNION TELEPHONE CO
COMMUNICATION LINE

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

CTH B

PT: 238+32.94

CAUTION

CLEARING & GRUBBING REQ'D
STA 10+62"I", 44' RT

WE ENERGIES
GAS

BM 603
RR SPIKE IN POWER POLE
STA 240+60.6, 48.0' LT
Y = 117,158.000
X = 343,195.000
ELEV 926.96

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

UNION TELEPHONE CO
COMMUNICATION LINE

N

230

235

STH 21

240

5

5

CLEARING & GRUBBING REQ'D
STA 228+85 - STA 235+80 LT

SPECTRUM
COMMUNICATION LINE

UNION TELEPHONE CO
COMMUNICATION LINE

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

PI STA = 231+95.71
Y = 117116.048
X = 342329.728
DELTA = 1°16'01" LT
D = 0°05'58"
T = 637.29'
L = 1274.53'
R = 57633.73'
PC STA = 225+58.42
PT STA = 238+32.94
SUPER = NC

CTH B

WE ENERGIES
GAS

CP 513
MAG NAIL
STA 240+84.6, 14.4' RT
Y = 117,095.421
X = 343,218.505
ELEV 928.35

UNION TELEPHONE CO
COMMUNICATION LINE

VCL = 1844.01

K = 348.45

VPI STA 229+63.60
VPI EL 953.92

HP STA 230+99.27
HP EL 941.98

VPT STA 238+85.61
VPT EL 933.11

VCL = 231.81

K = 378.90

EXISTING ROADWAY PROFILE

PROPOSED ROADWAY PROFILE

-2.26%

VPC STA 239+23.66
VPC EL 932.25

VPI STA 240+39.56
VPI EL 929.64

VPT STA 241+55.46
VPT EL 927.73

-1.64%

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE LT

PROPOSED ELEVATION

EXISTING ELEVATION

| | | |

GRAVEL COMMERCIAL ENTRANCE
STA 244+03.0, 45.0' LT MATCH EXISTING
REMOVE EXISTING 24"X60' PLASTIC CULV PIPE
CULVERT PIPE CLASS IV 24" REQ'D
APRON ENDWALLS FOR CULV PIPE 24" REQ'D
INLET STA 243+73.2, 31.0' LT, ELEV 920.71
OUTLET STA 244+33.3, 31.4' LT, ELEV 919.97

END PROJECT 6170-00-74
STA 245+00

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

UNION TELEPHONE CO
COMMUNICATION LINE

REMOVING FENCE REQ'D
STA 251+50 - STA 252+00 LT

GRAVEL FIELD ENTRANCE
STA 253+28.0, 34.4' LT MATCH EXISTING

N

245 250 255

STH 21

UNION TELEPHONE CO
COMMUNICATION LINE

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

TLE (TYP.)

PROPOSED RIGHT-OF-WAY (TYP.)

CLEARING & GRUBBING REQ'D
STA 250+00 - STA 252+00 LT

CULV #69021008509
STA 251+76
EXISTING 24"X81' METAL CULV PIPE TO REMAIN
CPCS 24" EXTENSIONS LT & RT REQ'D
APRON ENDWALLS FOR CPCS 24" REQ'D
REMOVAL OF FIELDSTONE ENDWALLS
INCLUDED UNDER EXCAVATION FOR CULV

GRAVEL FIELD ENTRANCE
STA 257+91.0, 45.0' RT MATCH EXISTING
REMOVE EXISTING 18"X27' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 257+75.6, 31.8' RT, ELEV 906.94
OUTLET STA 258+04.7, 32.0' RT, ELEV 906.82

5

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STA 245+00.00
EL 922.06

END PROJECT 6170-00-74
STA 245+00

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

PROPOSED ELEVATION
EXISTING ELEVATION

CULV #69021008509
STA 251+76
CPCS 24" EXISTING CULVERT & EXTENSIONS
INLET STA 251+76.6, 46.8' LT, ELEV 902.61
OUTLET STA 251+76.2, 48.0' RT, ELEV 902.23

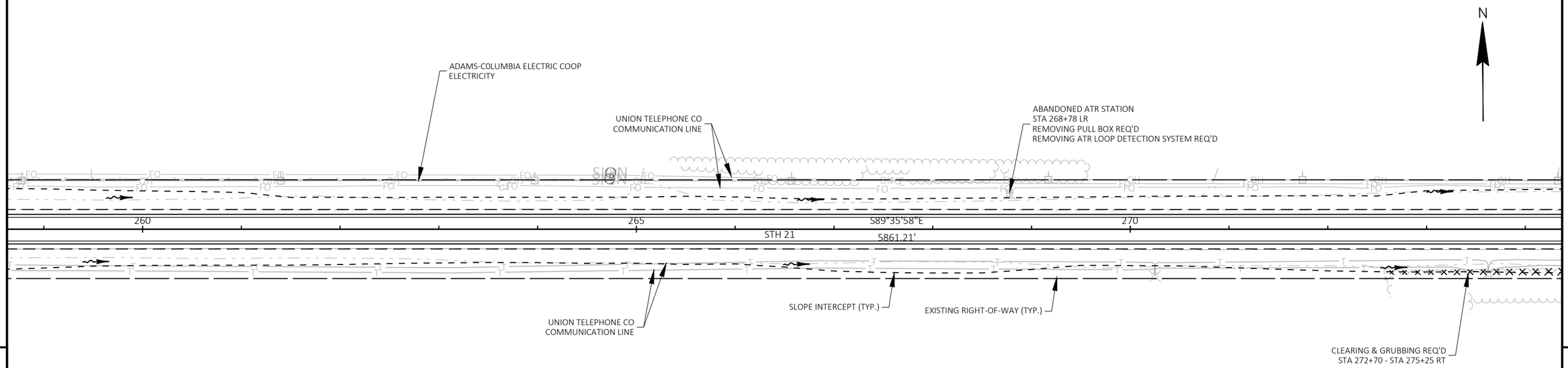
935 930 925 920 915 910 905 900 897

244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259
923.31	922.44	921.58	922.06	920.77	921.26	920.01	920.49	919.17	919.65	918.37	918.85	917.59	918.07	916.86	917.34	916.16	916.64	915.49	915.97	914.86	915.34	914.23	914.71	913.61	914.13	913.18	913.65	912.90	913.36	912.46	912.95	912.12	912.60	911.80	912.28	911.50	911.98	911.22	911.70	910.96	911.44	910.70	911.17	910.43	910.91	910.25	910.73	910.12	910.60	909.97	910.45	909.82	910.30	909.72	910.20	909.64	910.12	909.58	910.05

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 201	E

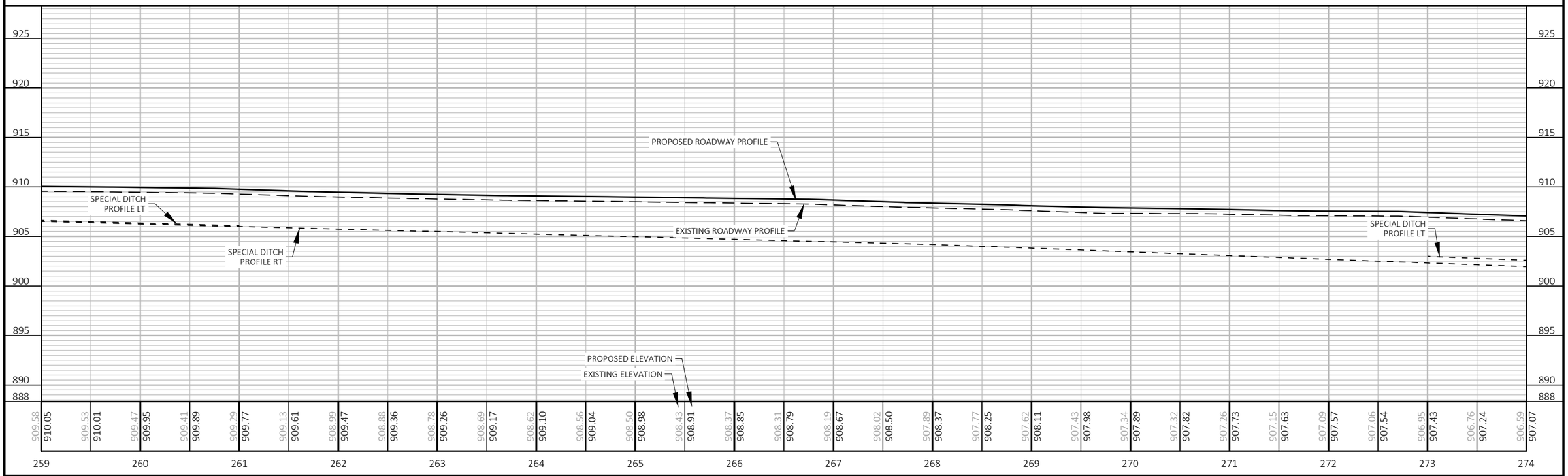
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 17

PLOT DATE : 10/11/2022 10:57 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT



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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 202	E

CULV #69021008510
STA 276+27
REMOVE EXISTING 30"X53' METAL CULV PIPE
RCCP HORIZ ELLIPTICAL CLASS IV 29"X45" REQ'D
APRON ENDWALLS FOR RCCP
HORIZ ELLIPTICAL 29"X45" REQ'D

GRAVEL PRIVATE ENTRANCE
STA 280+19.4, 45.0' LT MATCH EXISTING
REMOVE EXISTING 18"X29' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 280+32.0, 33.2' LT, ELEV 904.22
OUTLET STA 280+02.9, 33.3' LT, ELEV 904.12

GRAVEL PRIVATE ENTRANCE
STA 281+77.0, 43.5' LT MATCH EXISTING
REMOVE EXISTING 18"X32' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 281+92.7, 31.9' LT, ELEV 905.16
OUTLET STA 281+58.7, 32.3' LT, ELEV 904.96

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

TLE (TYP.)

PROPOSED RIGHT-OF-WAY (TYP.)

UNION TELEPHONE CO
COMMUNICATION LINE

275 280 285

STH 21

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

UNION TELEPHONE CO
COMMUNICATION LINE

CULV #69021008511
STA 285+40
REMOVE EXISTING 24"X65' METAL CULV PIPE
CULVERT PIPE CLASS III-A NONMETAL 30" REQ'D
APRON ENDWALLS FOR CULVERT PIPE 30" REQ'D
REMOVAL OF FIELDSTONE ENDWALLS
INCLUDED UNDER EXCAVATION FOR CULV

CLEARING & GRUBBING REQ'D
STA 272+70 - STA 275+25 RT

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

GRAVEL PRIVATE ENTRANCE
STA 275+34.8, 46.0' RT MATCH EXISTING
REMOVE EXISTING 18"X28' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 275+13.8, 39.2' RT, ELEV 901.54
OUTLET STA 275+53.9, 39.6' RT, ELEV 901.43

GRAVEL FIELD ENTRANCE
STA 278+24.0, 60.0' RT MATCH EXISTING
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 278+36.2, 39.0' RT, ELEV 902.39
OUTLET STA 278+10.4, 40.0' RT, ELEV 902.11

GRAVEL FIELD ENTRANCE
STA 281+69.7, 47.7' RT MATCH EXISTING

925 920 915 910 905 900 895 890 889

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE LT

CULV #69021008510
STA 276+27
RCCP HORIZ ELLIPTICAL CLASS IV 30"X53"
INLET STA 276+27.2, 28.6' LT, ELEV 901.50
OUTLET STA 276+27.0, 29.5' RT, ELEV 901.03

CULV #69021008511
STA 285+40
CULVERT PIPE CLASS III-A 30"
INLET STA 285+41.0, 35.8' LT, ELEV 902.13
OUTLET STA 285+39.9, 38.7' RT, ELEV 900.74

PROPOSED ELEVATION

EXISTING ELEVATION

| | | |

N

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

UNION TELEPHONE CO
COMMUNICATION LINE

PC: 296+94.15

CLEARING & GRUBBING REQ'D
STA 299+00 - STA 301+25 LT

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

290

295

300

STH 21

UNION TELEPHONE CO
COMMUNICATION LINE

GRAVEL FIELD ENTRANCE
STA 292+07.2, 55.0' RT MATCH EXISTING
REMOVE EXISTING 18"X47' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 292+28.8, 32.1' RT, ELEV 912.84
OUTLET STA 291+85.9, 33.0' RT, ELEV 912.11

ASPHALT PRIVATE ENTRANCE
STA 296+68.3, 56.4' RT MATCH EXISTING

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

ASPHALT PRIVATE ENTRANCE
STA 299+06.6, 68.5' RT MATCH EXISTING

PI STA = 300+91.52
Y = 117067.833
X = 349225.430
DELTA = 23°30'19" LT
D = 2°59'59"
T = 397.37'
L = 783.57'
R = 1910.00'
PC STA = 296+94.15
PT STA = 304+77.72
SUPER = 5.4%

ASPHALT PRIVATE ENTRANCE
STA 302+98.6, 67.4' RT MATCH EXISTING

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE LT

PROPOSED ELEVATION

EXISTING ELEVATION

940 935 930 925 920 915 910 905

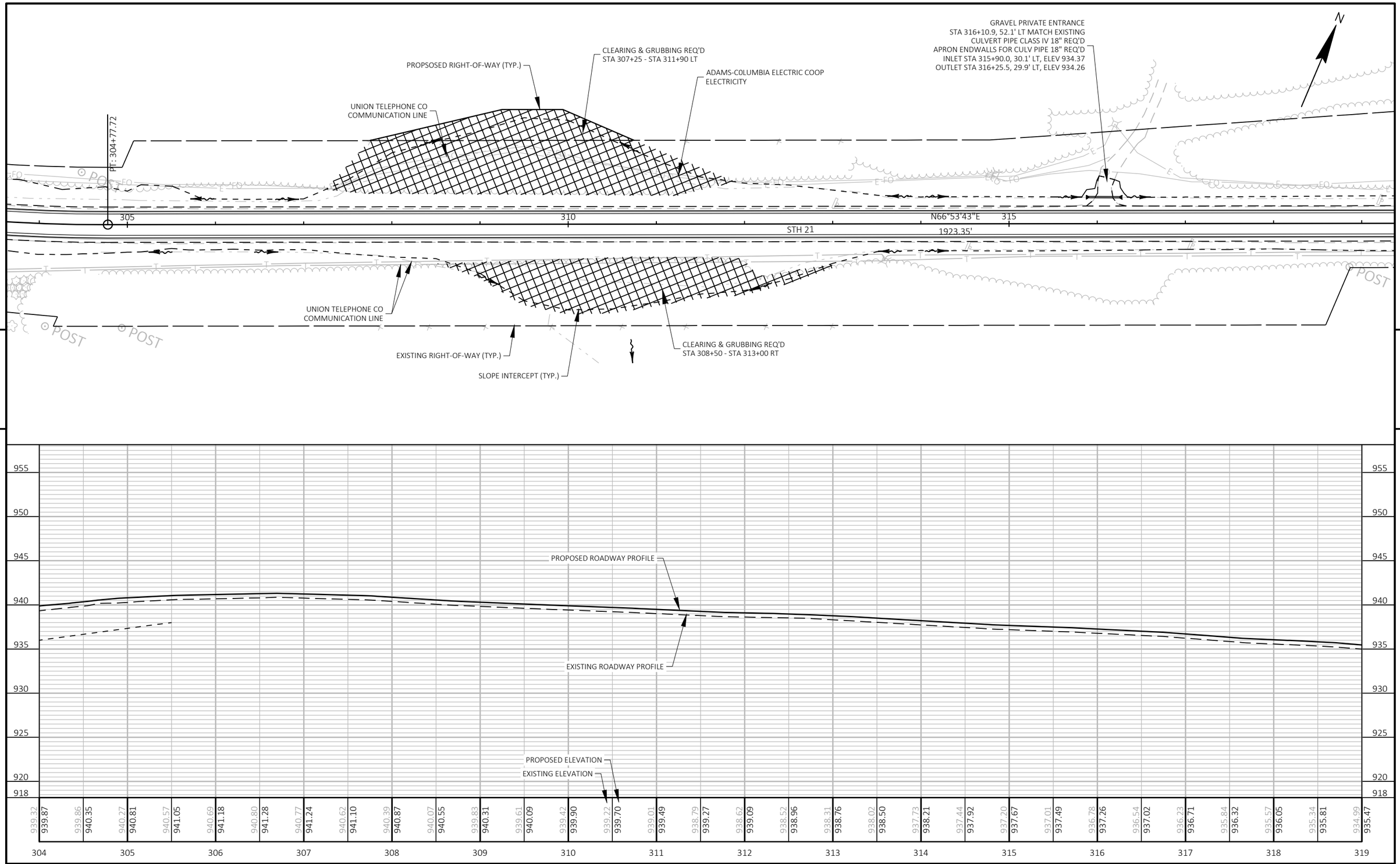
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911.00	911.58	912.28	913.08	913.99	914.96	915.99	917.08	918.11	919.04	920.00	921.02	922.14	923.31	924.42	925.49	926.58	927.75	928.93	930.01	931.03	932.08	933.15	934.20	935.11	936.05	936.93	937.68	938.39	939.13	939.87

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 204 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 20

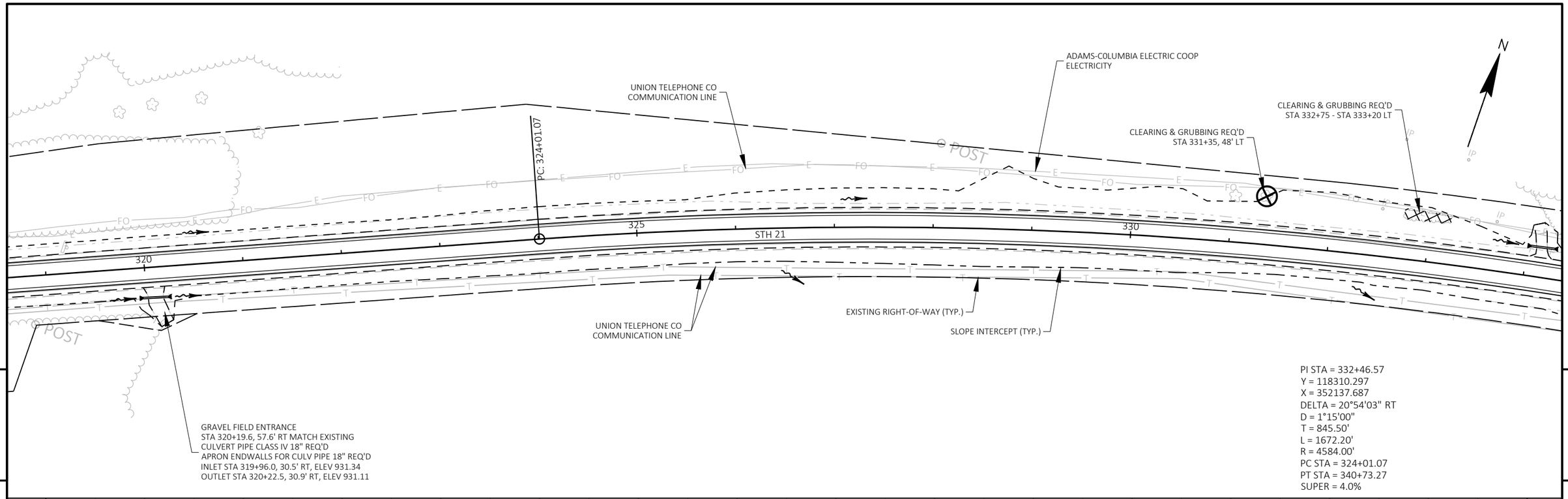
PLOT DATE : 10/11/2022 10:59 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

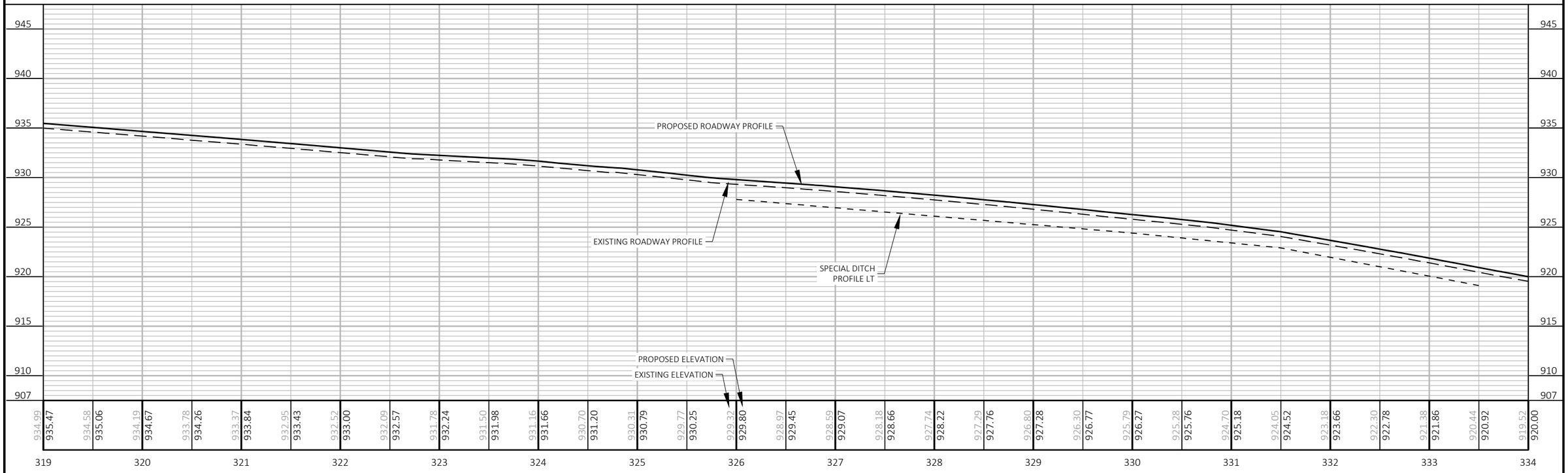
WISDOT/CADDS SHEET 44



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 205	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 21
PLOT DATE : 10/11/2022 10:59 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 206	E

GRAVEL FIELD ENTRANCE
STA 334+08.8, 53.6' LT MATCH EXISTING
REMOVE EXISTING 18"X20' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 334+02.9, 30.1' LT, ELEV 918.24
OUTLET STA 334+28.1, 30.9' LT, ELEV 917.49

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

PT: 340+73.27

UNION TELEPHONE CO
COMMUNICATION LINE

GRAVEL PRIVATE ENTRANCE
STA 344+66.0, 45.0' LT MATCH EXISTING
REMOVE EXISTING 18"X36' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 344+50.3, 30.4' LT, ELEV 898.50
OUTLET STA 344+83.9, 30.2' LT, ELEV 898.16

N

335 340 345

STH 21

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

CLEARING & GRUBBING REQ'D
STA 339+00 - STA 340+00 RT

GRAVEL PRIVATE ENTRANCE
STA 340+61.7, 40.0' RT MATCH EXISTING
REMOVE EXISTING 2-15"X37' PLASTIC CULV PIPES
CULVERT PIPE CLASS IV 24" REQ'D
APRON ENDWALLS FOR CULV PIPE 24" REQ'D
INLET STA 340+47.1, 30.4' RT, ELEV 904.62
OUTLET STA 340+73.8, 31.6' RT, ELEV 904.22

ATC MANAGEMENT
ELECTRICITY

UNION TELEPHONE CO
COMMUNICATION LINE

5

5

925
920
915
910
905
900
895
890
889

PROPOSED ROADWAY PROFILE

SPECIAL DITCH
PROFILE RT

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

PROPOSED ELEVATION
EXISTING ELEVATION

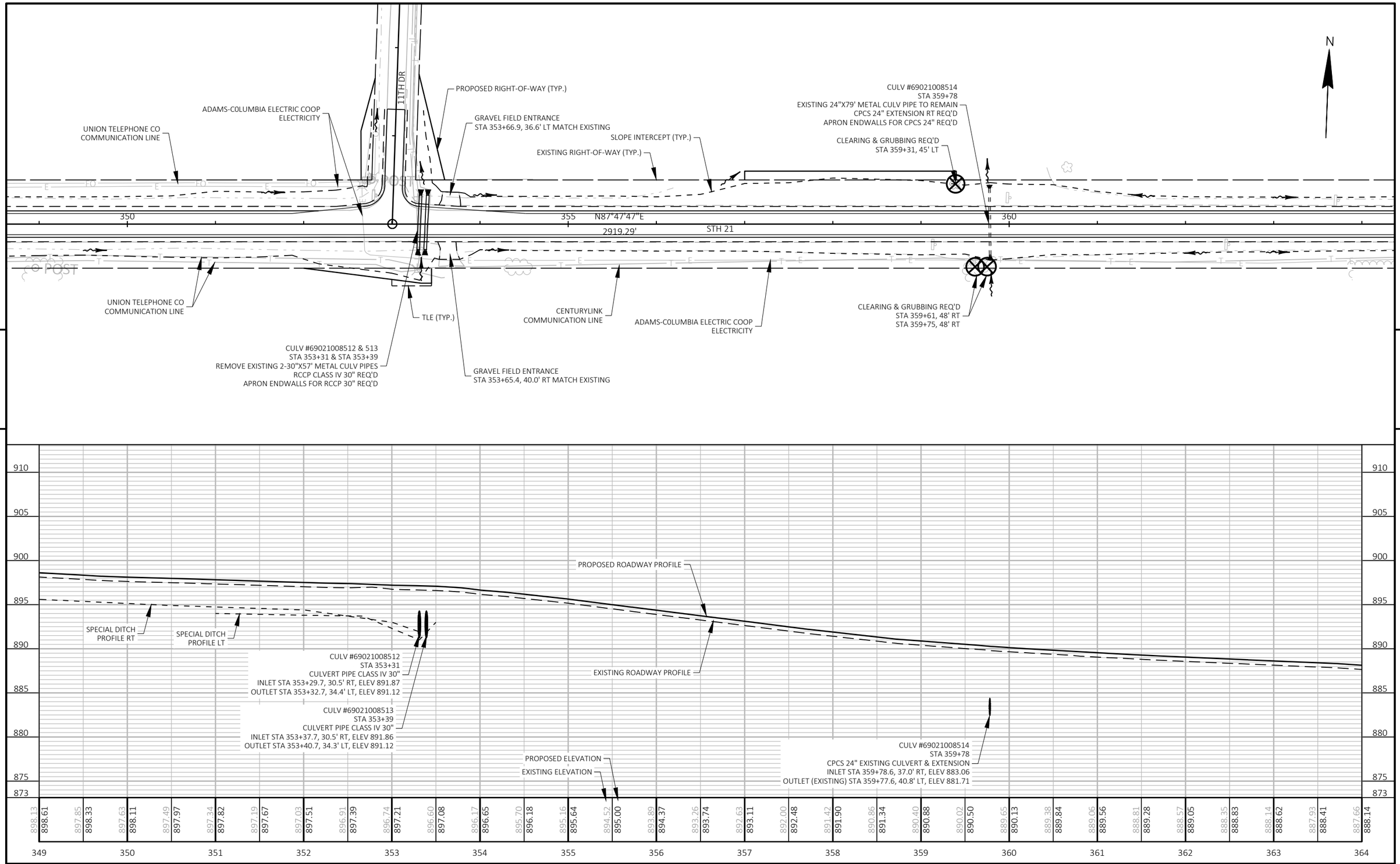
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920.00	919.08	918.19	917.31	916.39	915.44	914.53	913.66	912.78	911.90	910.96	909.96	908.91	907.81	906.88	906.06	905.24	904.42	903.58	902.74	901.95	901.28	900.74	900.33	900.05	899.83	899.56	899.27	899.04	898.85	898.61

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 207	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 23

PLOT DATE : 10/11/2022 11:00 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 208	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 24

PLOT DATE : 10/11/2022 11:01 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

CP 515
MAG NAIL
STA 365+89.8, 13.9' LT
Y = 118,453.512
X = 355,496.738
ELEV 886.26

GRAVEL PRIVATE ENTRANCE
STA 366+10.0, 45.0' LT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 365+97.0, 31.6' LT, ELEV 883.74
OUTLET STA 366+23.0, 32.0' LT, ELEV 883.59

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

PC: 369+92.56

SECTION CORNER
REESTABLISH SECTION CORNER MONUMENTS REQ'D
LANDMARK REFERENCE MONUMENTS REQ'D
E ¼ CORNER OF SECTION 14
T18N; R9E; TOWN OF RICHFORD
HARRISON MONUMENT
STA 9+39.6"K", 9.8' LT
Y = 118,423.221
X = 356,169.819

CP 514
MAG NAIL
STA 374+16.7, 14.9' RT
Y = 118,495.843
X = 356,322.913
ELEV 883.49

GRAVEL PRIVATE ENTRANCE
STA 373+65.5, 45.0' LT MATCH EXISTING
REMOVE EXISTING 18"X27' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 373+52.4, 32.4' LT, ELEV 879.70
OUTLET STA 373+79.5, 33.1' LT, ELEV 879.50

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

GRAVEL PRIVATE ENTRANCE
STA 377+93.8, 46.1' LT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 377+79.2, 31.8' LT, ELEV 877.50
OUTLET STA 378+02.8, 31.5' LT, ELEV 877.40

N

365

370

375

STH 21

CTH II

POST

GUY

FO

CENTURYLINK
COMMUNICATION LINE

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

PROPOSED RIGHT-OF-WAY (TYP.)

BM 604
RR SPIKE IN POWER POLE
STA 9+20.6"K", 33.1' LT
Y = 118,405.000
X = 356,416.000
ELEV 883.83

CLEARING &
GRUBBING REQ'D
STA 9+39"K", 29' RT
STA 9+44"K", 29' RT

BM 605
RR SPIKE IN POWER POLE
STA 374+06.6, 56.5' RT
Y = 118,453.000
X = 356,322.000
ELEV 882.37

GRAVEL PRIVATE ENTRANCE
STA 373+77.7, 52.9' RT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 373+67.4, 43.1' RT, ELEV 879.92
OUTLET STA 373+89.7, 41.7' RT, ELEV 879.76

CENTURYLINK
COMMUNICATION LINE

GRAVEL PRIVATE ENTRANCE
STA 366+04.5, 44.0' RT MATCH EXISTING
REMOVE EXISTING 18"X29' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 365+95.8, 32.4' RT, ELEV 884.04
OUTLET STA 366+20.4, 32.7' RT, ELEV 883.84

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

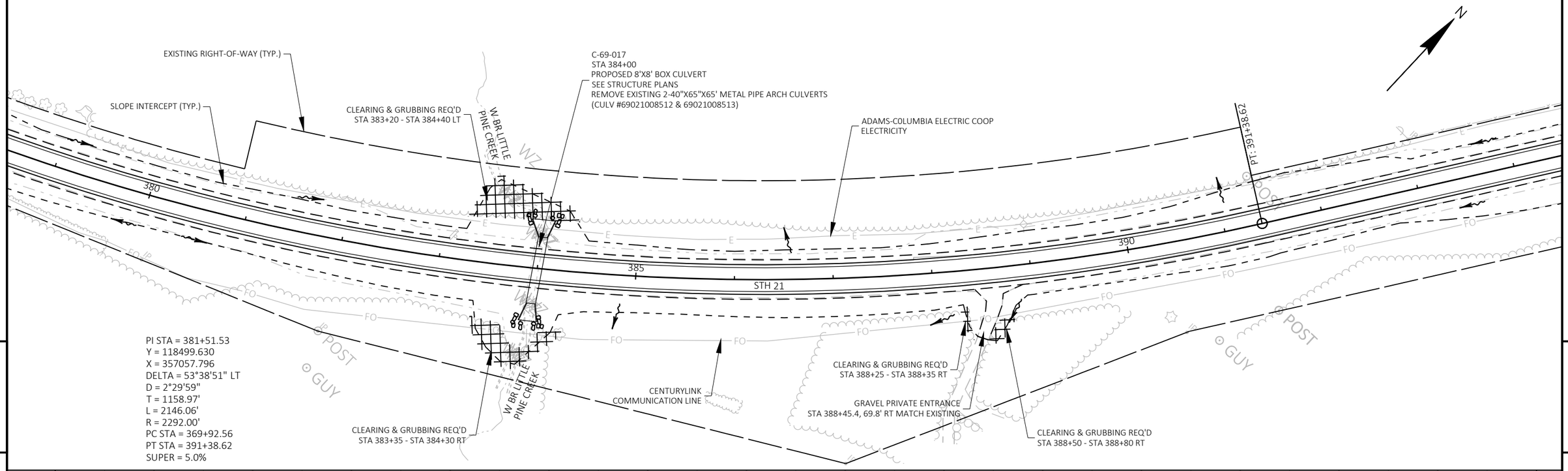
SPECIAL DITCH
PROFILE LT

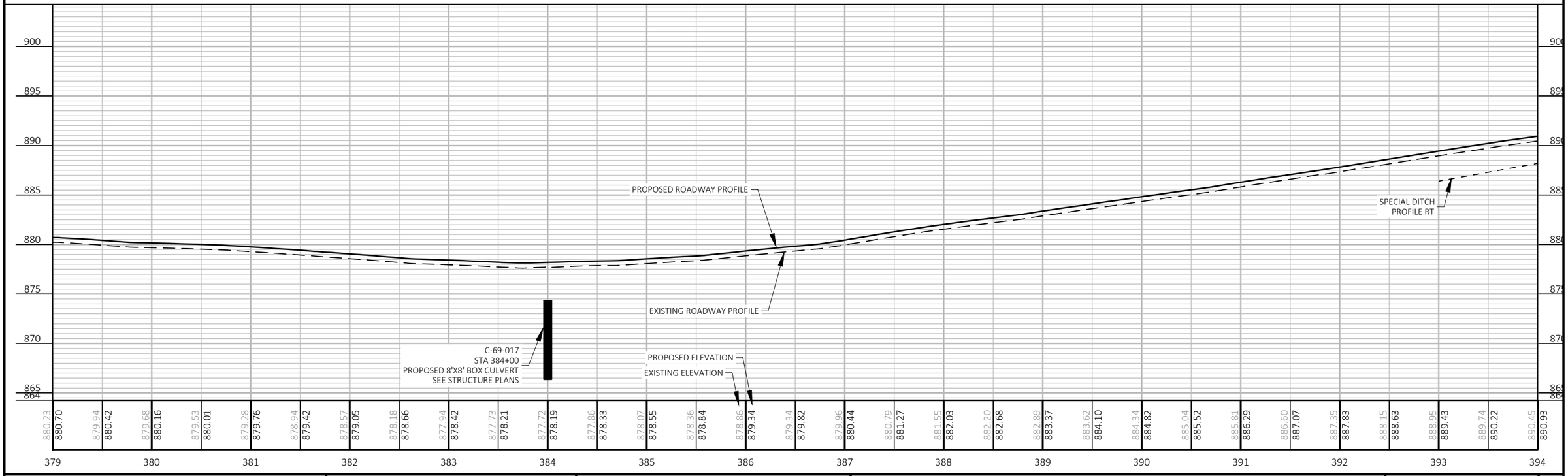
SPECIAL DITCH
PROFILE LT

PROPOSED ELEVATION

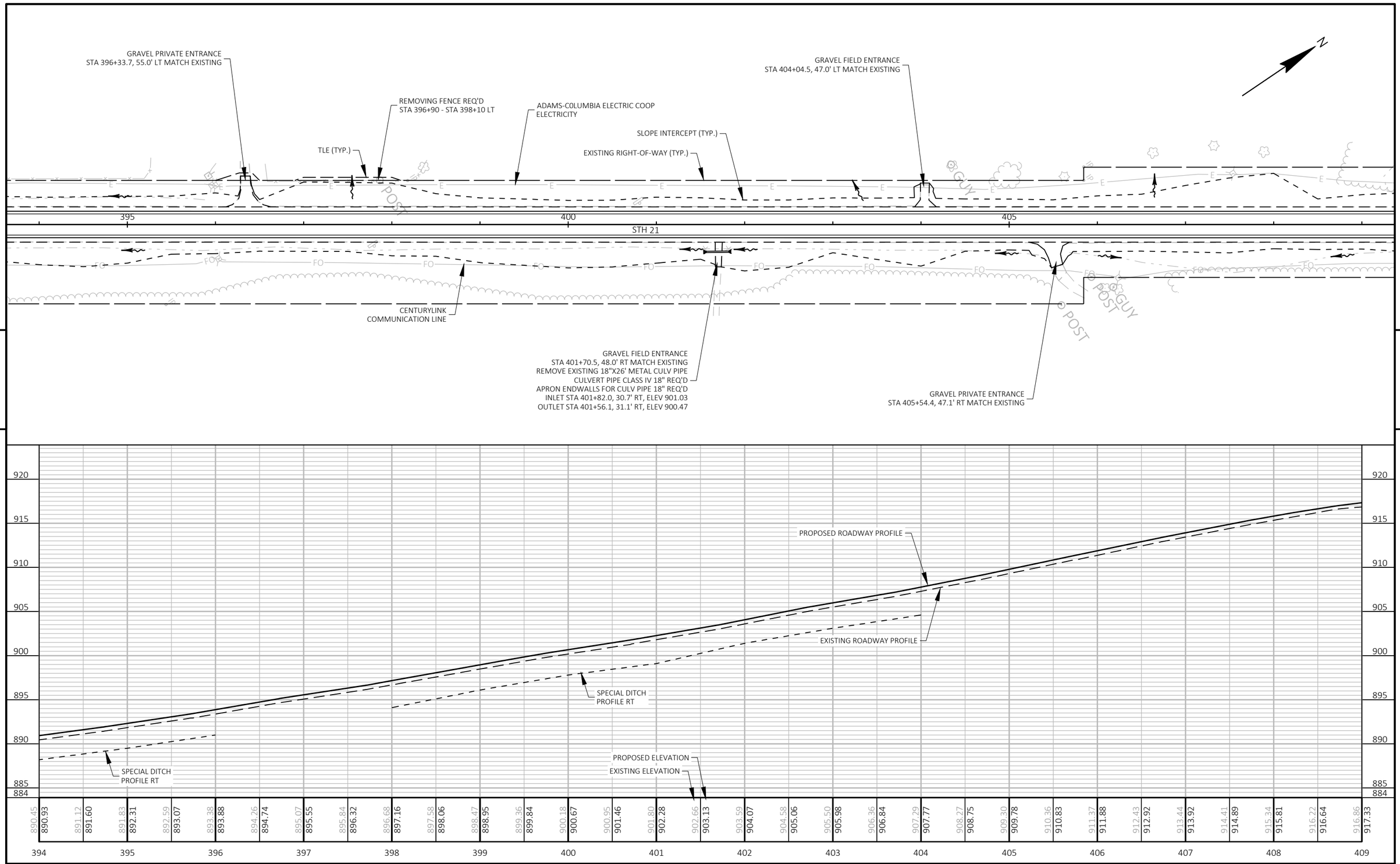
EXISTING ELEVATION

| | | |



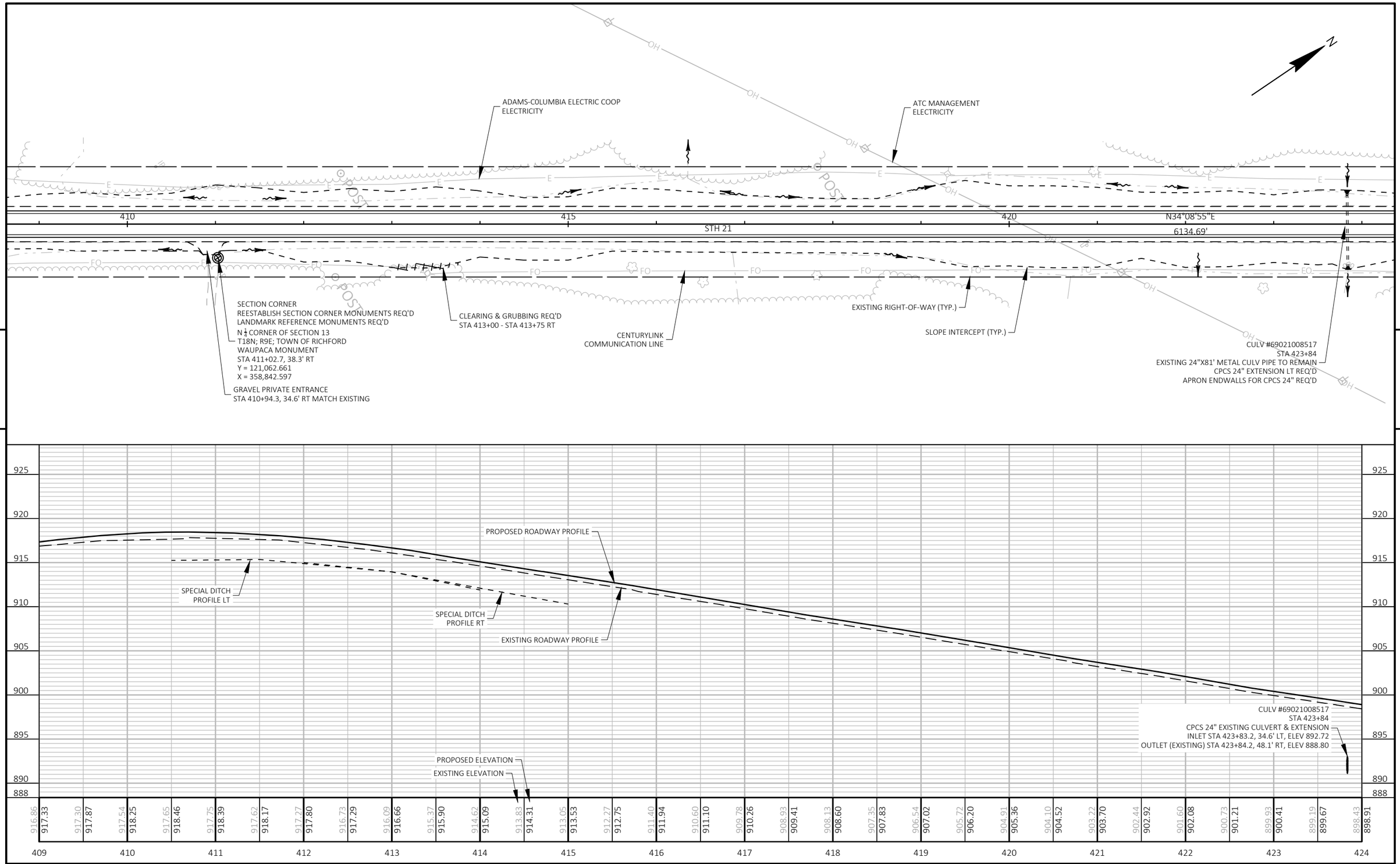


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 210	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 211 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 27
PLOT DATE : 10/11/2022 11:02 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

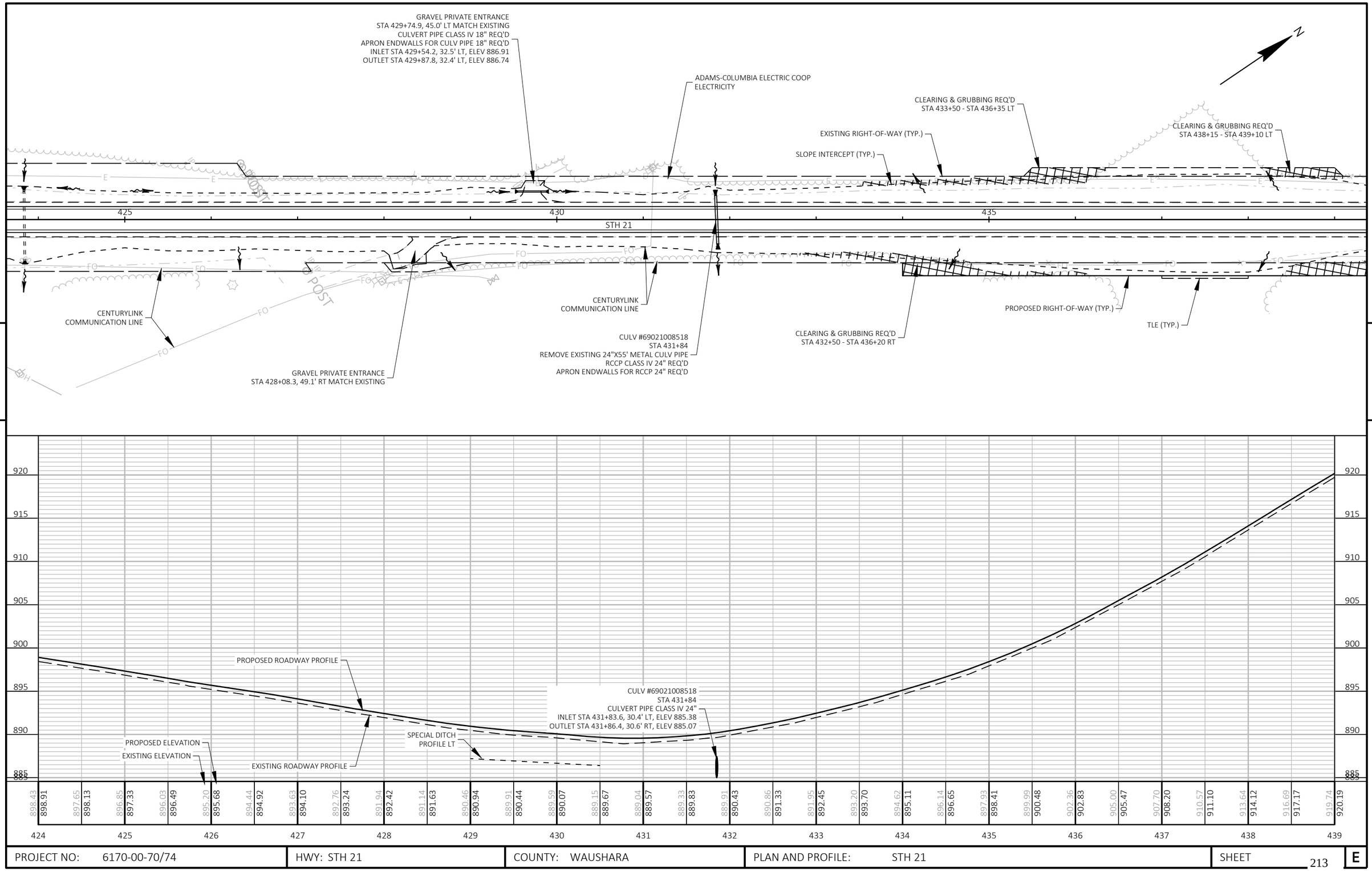


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 212	E

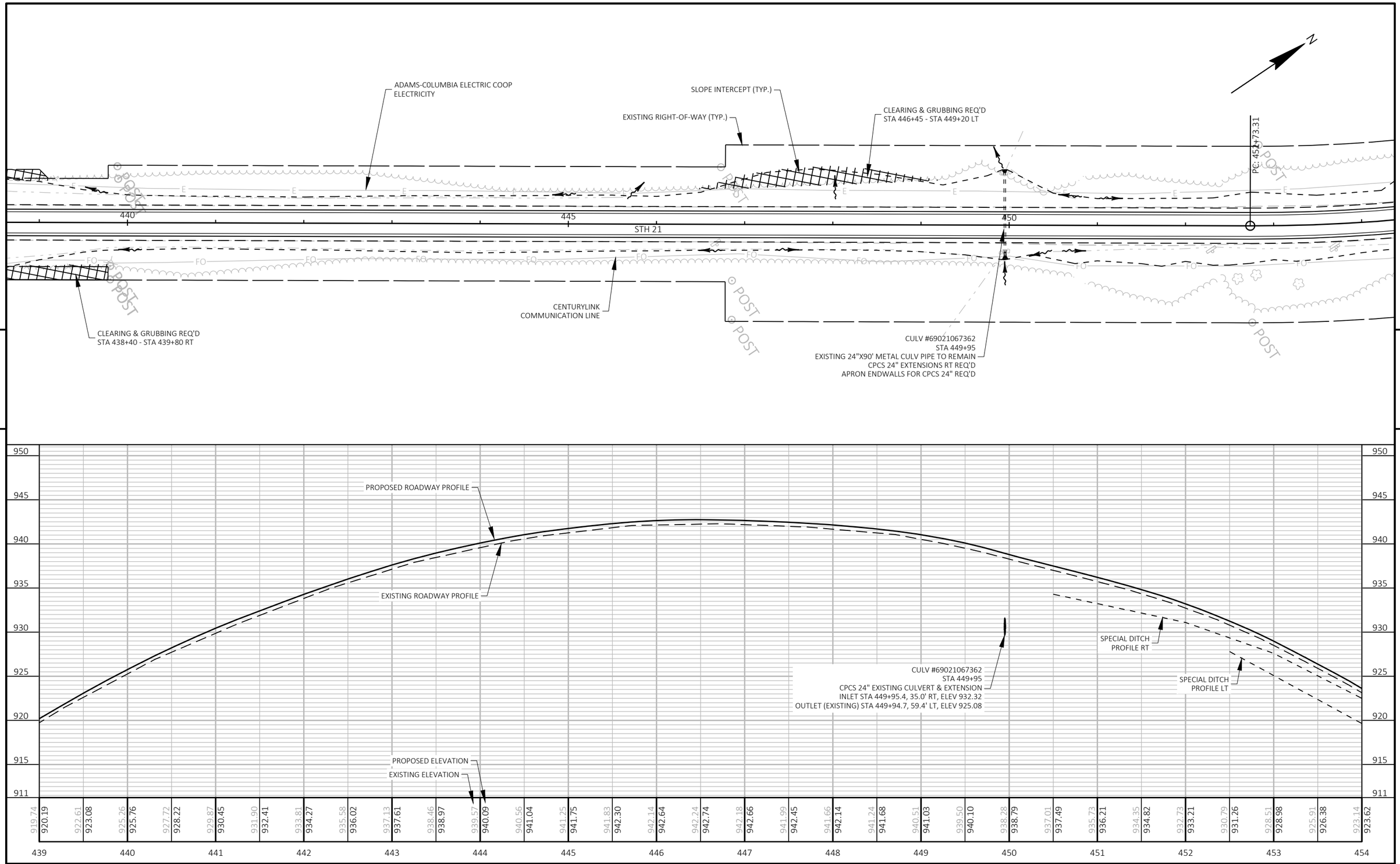
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LAYOUT NAME - 28

PLOT DATE : 10/11/2022 11:03 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 213	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 214	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 30

PLOT DATE : 10/11/2022 11:04 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

PI STA = 458+45.45
Y = 125009.243
X = 361473.195
DELTA = 33°21'05" LT
D = 2°59'59"
T = 572.14'
L = 1111.79'
R = 1910.00'
PC STA = 452+73.31
PT STA = 463+85.10
SUPER = 6.0%

GRAVEL FIELD ENTRANCE
STA 458+06.2, 58.8' LT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 457+93.6, 49.3' LT, ELEV 893.86
OUTLET STA 429+87.8, 32.4' LT, ELEV 893.26

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

LUNCH CREEK

CLEARING & GRUBBING REQ'D
STA 459+75 - STA 461+30 LT

C-69-018
STA 461+18
PROPOSED 7'X7' BOX CULVERT
SEE STRUCTURE PLANS
REMOVE EXISTING 48"X70"X89' METAL PIPE ARCH CULVERT
(CULV #69021008520)

PT STA 463+85.10

GRAVEL FIELD ENTRANCE
STA 467+31.9, 47.0' LT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 467+50.8, 33.4' LT, ELEV 893.96
OUTLET STA 467+15.3, 33.0' LT, ELEV 893.76

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

N

455 460 465

STH 21

CENTURYLINK
COMMUNICATION LINE

REMOVE EXISTING GUARDRAIL

CLEARING & GRUBBING REQ'D
STA 455+90 - STA 458+40 RT

CULV #69021008519
STA 457+76
REMOVE EXISTING 48"X72"X89' METAL CATTLE PASS

COTTONWILLET CT

CLEARING & GRUBBING REQ'D
STA 10+90"L" - STA 11+60"L" LT

REMOVE EXISTING GUARDRAIL

CLEARING & GRUBBING REQ'D
STA 459+05 - STA 463+80 RT

LUNCH CREEK

TLE (TYP.)

PROPOSED RIGHT-OF-WAY (TYP.)

CENTURYLINK
COMMUNICATION LINE

GRAVEL FIELD ENTRANCE
STA 467+33.0, 47.0' RT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE

5

5

920
915
910
905
900
895
890
885
880
878

SPECIAL DITCH
PROFILE RT

SPEICAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

PROPOSED ROADWAY PROFILE

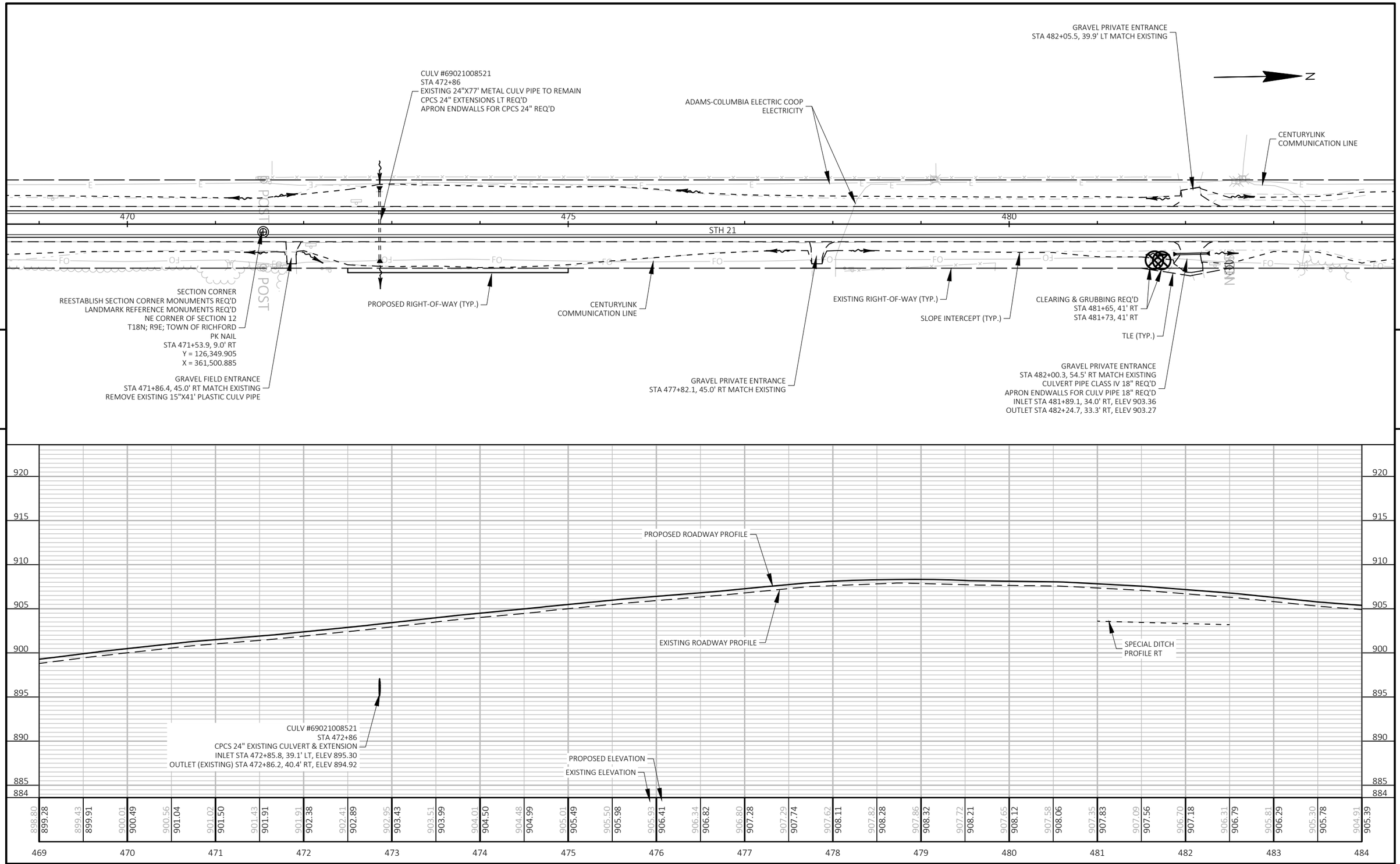
EXISTING ROADWAY PROFILE

C-69-018
STA 461+18
PROPOSED 7'X7' BOX CULVERT
SEE STRUCTURE PLANS

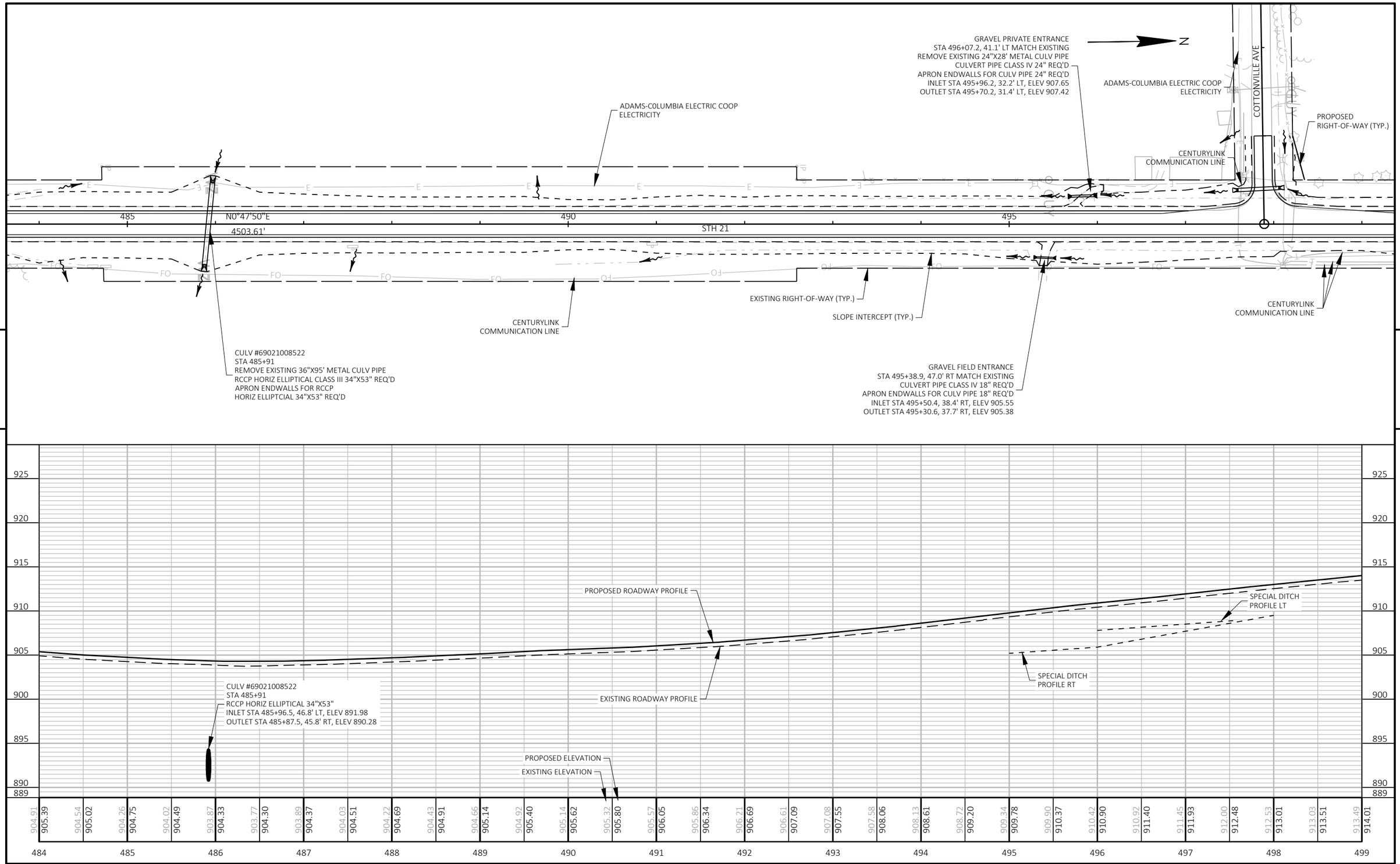
SPECIAL DITCH
PROFILE LT

PROPOSED ELEVATION
EXISTING ELEVATION

| | | |



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 216	E

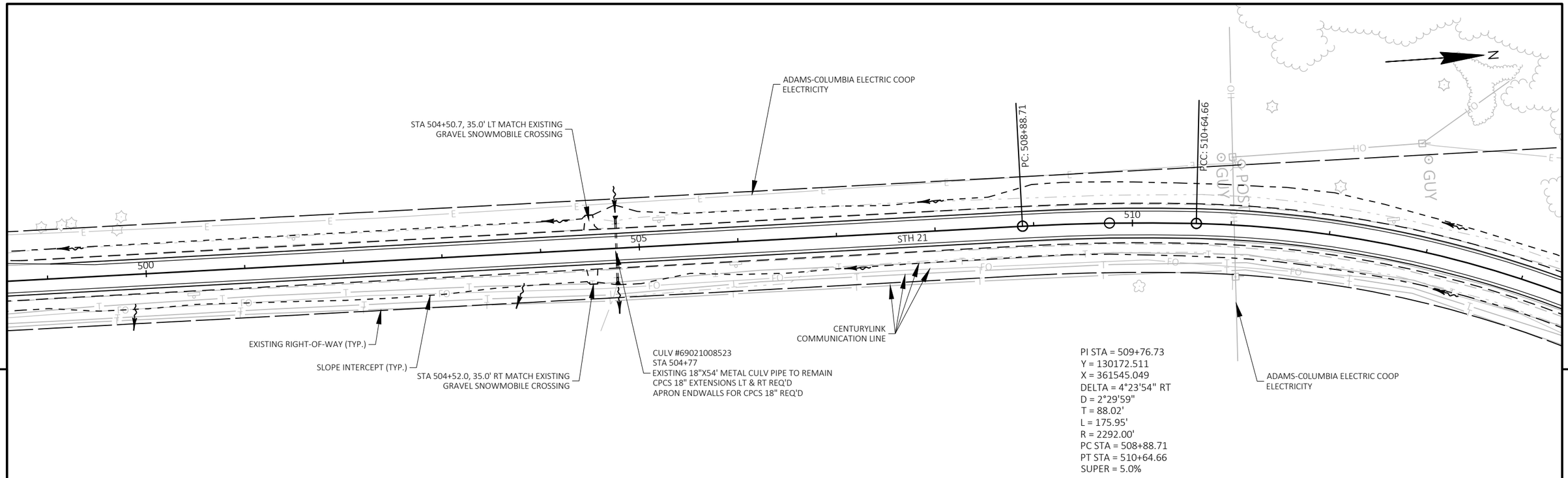


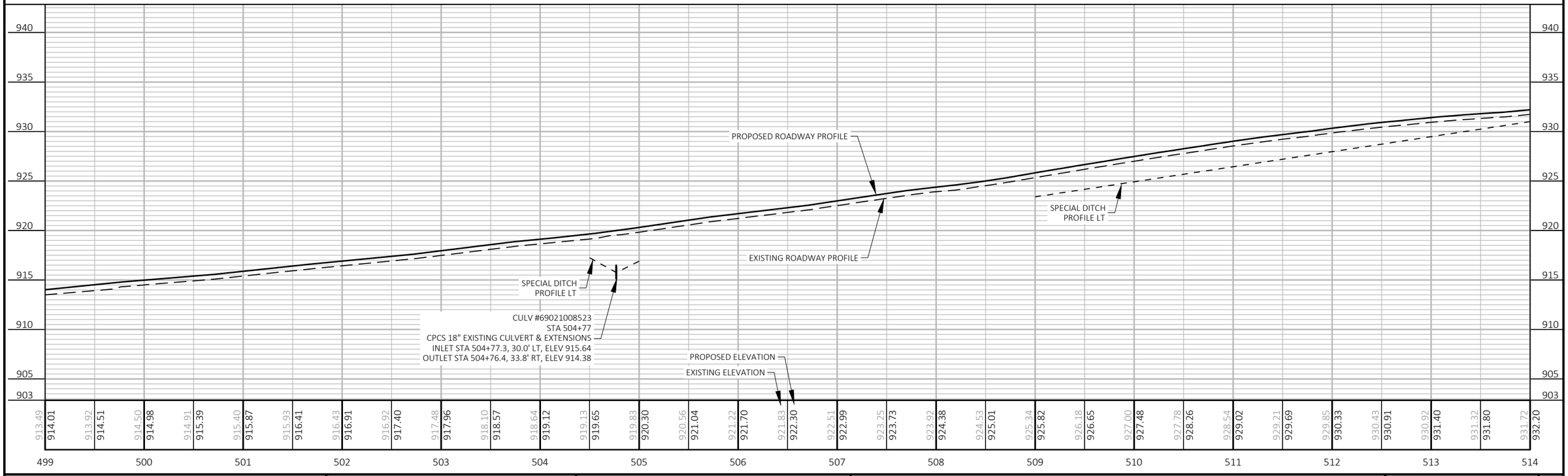
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 217	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 33

PLOT DATE : 10/11/2022 11:05 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



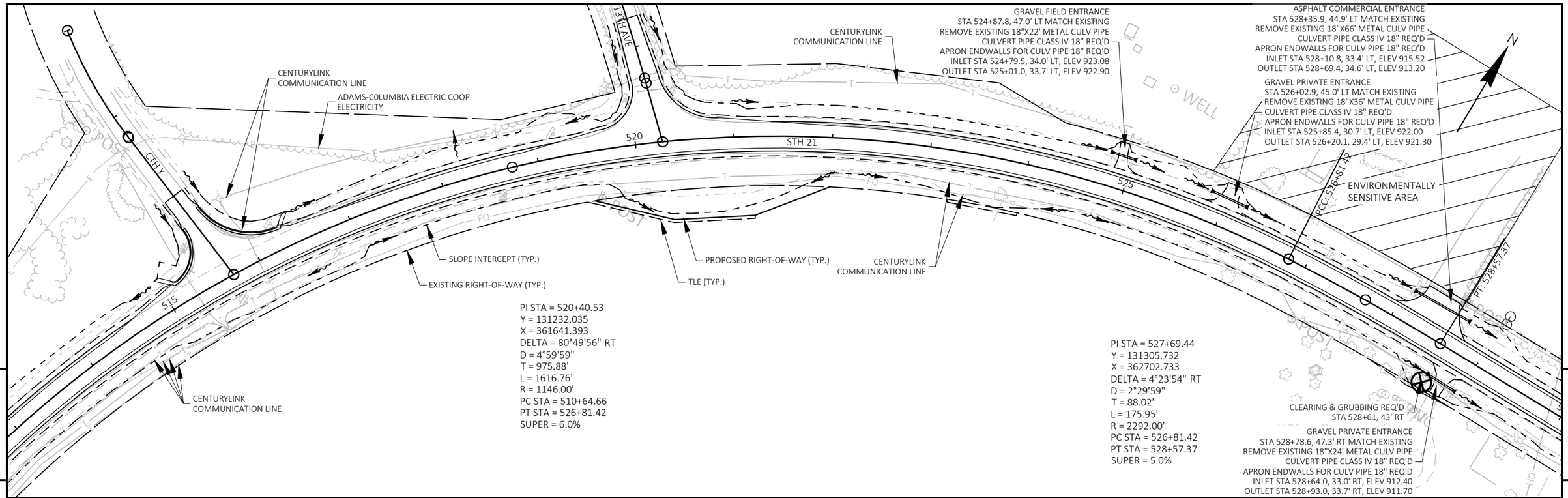


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 218	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 34

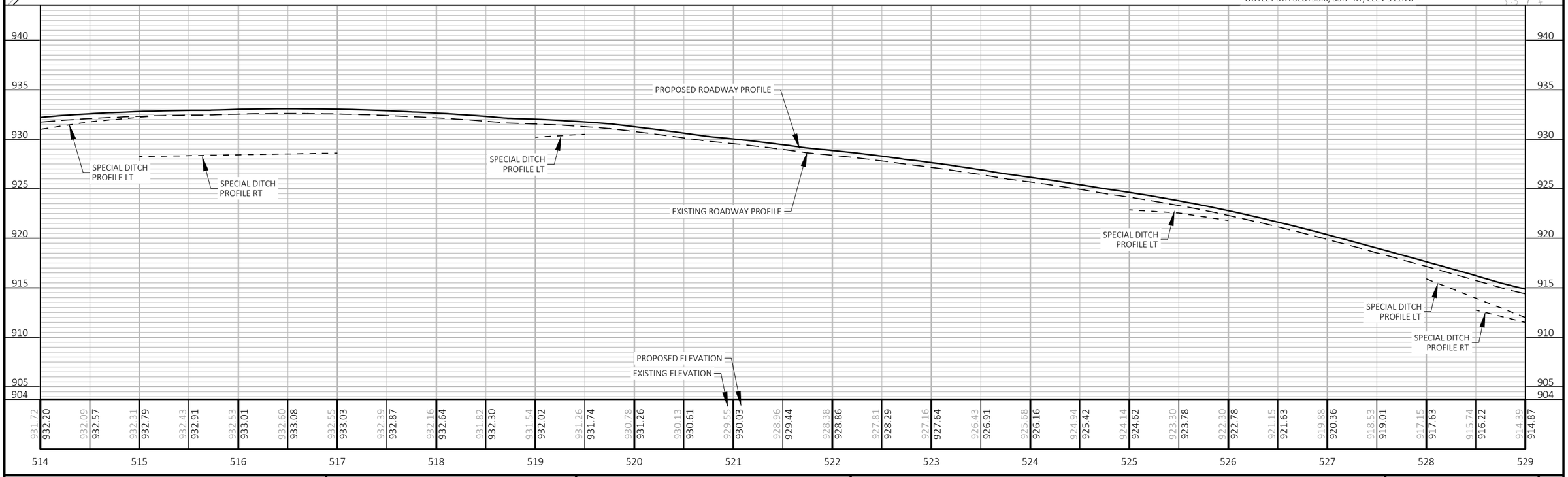
PLOT DATE : 10/11/2022 11:06 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PI STA = 520+40.53
Y = 131232.035
X = 361641.393
DELTA = 80°49'56" RT
D = 4°59'59"
T = 975.88'
L = 1616.76'
R = 1146.00'
PC STA = 510+64.66
PT STA = 526+81.42
SUPER = 6.0%

PI STA = 527+69.44
Y = 131305.732
X = 362702.733
DELTA = 4°23'54" RT
D = 2°29'59"
T = 88.02'
L = 175.95'
R = 2292.00'
PC STA = 526+81.42
PT STA = 528+57.37
SUPER = 5.0%



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 219 E

N

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

REMOVING FENCE REQ'D
STA 532+50 - STA 533+50 LT

PROPOSED RIGHT-OF-WAY (TYP.)

SECTION CORNER
REESTABLISH SECTION CORNER MONUMENTS REQ'D
LANDMARK REFERENCE MONUMENTS REQ'D
N ¼ CORNER OF SECTION 6
T18N; R8E; TOWN OF DAKOTA
MAG NAIL
STA 535+41.1, 0.5' LT
Y = 131,300.531
X = 363,474.506

CENTURYLINK
COMMUNICATION LINE

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

GRAVEL PRIVATE ENTRANCE
STA 542+26.2, 47.0' LT MATCH EXISTING
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 542+14.4, 36.3' LT, ELEV 904.84
OUTLET STA 542+42.2, 36.4' RT, ELEV 904.78

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

530 535 540

S89°34'25"E
2956.36'

STH 21

CULV #69021008524
STA 532+65
REMOVE EXISTING 36"X76' METAL CULV PIPE
RCCP HORIZ ELLIPTICAL CLASS III 34"X53" REQ'D
APRON ENDWALLS FOR RCCP
HORIZ ELLIPTICAL 34"X53" REQ'D

CLEARING & GRUBBING REQ'D
STA 543+42, 48' RT

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

ASPHALT COMMERICAL ENTRANCE
STA 537+53.2, 46.0' RT MATCH EXISTING
REMOVE EXISTING 18"X58' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 537+73.9, 37.6' RT, ELEV 904.68
OUTLET STA 537+27.7, 37.7' RT, ELEV 904.52

CENTURYLINK
COMMUNICATION LINE

5

5

930
925
920
915
910
905
900
895
891

CULV #69021008524
STA 532+64
RCCP HORIZ ELLIPTICAL CLASS III 34"X53"
INLET STA 532+94.4, 41.2' LT, ELEV 897.48
OUTLET STA 532+95.4, 42.9' RT, ELEV 896.95

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

PROPOSED ELEVATION
EXISTING ELEVATION

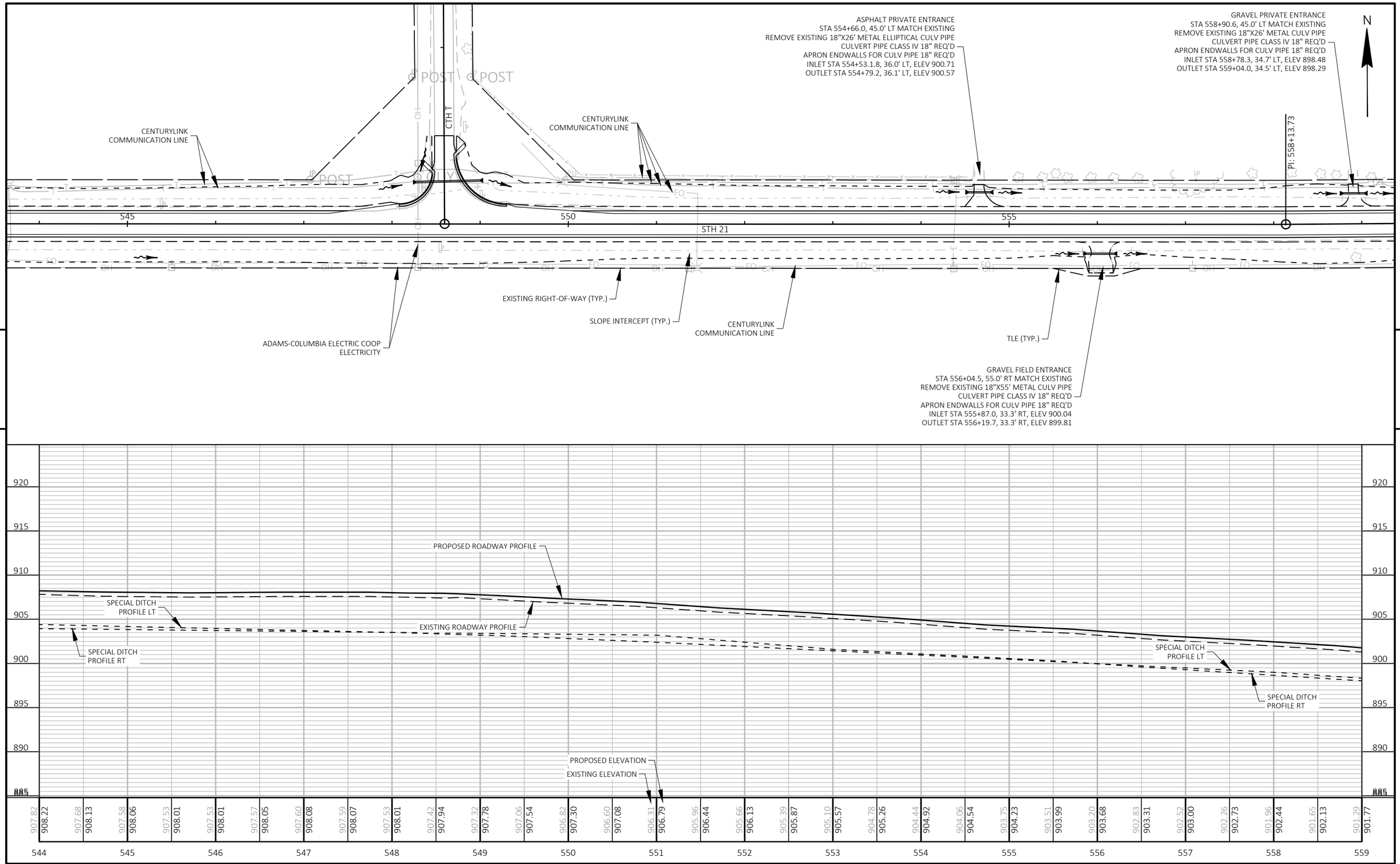
529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544
914.39	913.72	912.07	912.55	910.76	911.25	909.62	910.07	908.63	909.16	908.00	908.48	907.66	908.04	907.48	907.89
907.46	907.88	907.41	907.89	907.41	907.89	907.48	907.96	907.58	908.06	907.72	908.21	907.94	908.42	908.13	908.60
908.29	908.77	908.37	908.88	908.37	908.93	908.42	908.90	908.31	908.79	908.23	908.71	908.17	908.65	908.16	908.64
908.19	908.67	908.17	908.65	908.11	908.59	907.95	908.47	907.85	908.32	907.82	908.22				

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 220	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 36

PLOT DATE : 10/11/2022 11:07 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 221 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 37

PLOT DATE : 10/11/2022 11:07 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

ASPHALT PRIVATE ENTRANCE
STA 562+71.9, 47.0' LT MATCH EXISTING
REMOVE EXISTING 18"X30' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 562+58.8, 35.6' LT, ELEV 895.89
OUTLET STA 562+84.7, 35.7' LT, ELEV 895.70

SECTION CORNER
REESTABLISH SECTION CORNER MONUMENTS REQ'D
LANDMARK REFERENCE MONUMENTS REQ'D
NE CORNER OF SECTION 6
T18N; R8E; TOWN OF DAKOTA
MAG NAIL
STA 561+82.0, 12.9' LT
Y = 131,296.462
X = 366,115.024

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

ASPHALT PRIVATE ENTRANCE
STA 566+03.5, 51.5' LT MATCH EXISTING
REMOE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 565+84.9, 36.3' LT, ELEV 893.69
OUTLET STA 565+23.9, 36.6' LT, ELEV 893.44

CLEARING & GRUBBING REQ'D
STA 565+74, 46' RT

REMOVING FENCE REQ'D
STA 564+75 - STA 566+60 LT

PROPOSED RIGHT-OF-WAY (TYP.)

CLEARING & GRUBBING REQ'D
STA 566+27, 44' RT
STA 566+40, 45' RT
STA 566+66, 43' RT
STA 566+80, 44' RT

CENTURYLINK
COMMUNICATION LINE

ASPHALT PRIVATE ENTRANCE
STA 569+46.1, 45.0' LT MATCH EXISTING
REMOVE EXISTING 18"X30' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 569+59.9, 34.6' LT, ELEV 893.27
OUTLET STA 569+34.3, 34.8' LT, ELEV 893.20

ASPHALT PRIVATE ENTRANCE
STA 570+97.8, 42.7' LT MATCH EXISTING
REMOVE EXISTING 18"X31' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 571+10.6, 33.4' LT, ELEV 893.61
OUTLET STA 570+83.8, 3.8' LT, ELEV 893.55

N

560 565 570

STH 21

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

GRAVEL PRIVATE ENTRANCE
STA 563+00.0, 46.3' RT MATCH EXISTING
REMOVE EXISTING 18"X28' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 562+89.4, 32.0' RT, ELEV 895.94
OUTLET STA 563+15.3, 32.2' RT, ELEV 895.82

CENTURYLINK
COMMUNICATION LINE

GRAVEL FIELD ENTRANCE
STA 566+16.6, 47.0' RT MATCH EXISTING
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 566+06.2, 35.6' RT, ELEV 893.14
OUTLET STA 566+29.4, 36.3' RT, ELEV 892.76

CULV #69021008525
STA 567+09
REMOVE EXISTING 24"X50' METAL CULV PIPE
RCCP HORIZ ELLIPTICAL CLASS IV 24"X38" REQ'D
APRON ENDWALLS FOR RCCP
HORIZ ELLIPTICAL 24"X38" REQ'D

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

915 910 905 900 895 890 885 880 879

PROPOSED ROADWAY PROFILE

SPECIAL DITCH
PROFILE RT

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

CULV #69021008525
STA 567+09
RCCP HORIZ ELLIPTICAL CLASS IV 24"X38"
INLET STA 567+08.4, 29.0' LT, ELEV 892.59
OUTLET STA 567+09.7, 29.0' RT, ELEV 892.42

SPECIAL DITCH
PROFILE RT

PROPOSED ELEVATION
EXISTING ELEVATION

559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574
901.29	901.77	900.87	901.35	900.50	900.98	900.18	900.66	899.92	900.40	899.70	900.18	899.43	899.90	899.10	899.58	898.78	899.26	898.45	898.93	898.14	898.62	897.85	898.33	897.54	898.02	897.22	897.70	896.94	897.42	896.71	897.19	896.48	896.98	896.41	896.86	896.28	896.76	896.19	896.67	896.18	896.65	896.22	896.70	896.29	896.77	896.37	896.85	896.39	896.86	896.34	896.82	896.32	896.78	896.32	896.74	896.22	896.66	896.03	896.51	895.81	896.29

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 222	E

GRAVEL FIELD ENTRANCE
STA 574+85.1, 45.0' LT MATCH EXISTING
REMOVE EXISTING 15"X30' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 574+73.4, 34.3' LT, ELEV 892.52
OUTLET STA 574+98.9, 33.8' LT, ELEV 892.39

GRAVEL FIELD ENTRANCE
STA 575+64.1, 42.5' LT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 575+37.4, 32.4' LT, ELEV 892.15
OUTLET STA 575+60.0, 32.3' LT, ELEV 891.92

CENTURYLINK
COMMUNICATION LINE

GRAVEL COMMERCIAL ENTRANCE
STA 582+47.2, 47.0' LT MATCH EXISTING
REMOVE EXISTING 18"X30' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 582+29.0, 30.5' LT, ELEV 885.28
OUTLET STA 582+63.3, 31.5' LT, ELEV 884.84

STA 585+20 - STA 585+50
B-69-048
NO STRUCTURE WORK REQ'D

ASPHALT PRIVATE ENTRANCE
STA 588+66.4, 35.0' LT MATCH EXISTING

SECTION CORNER
REESTABLISH SECTION CORNER MONUMENTS REQ'D
LANDMARK REFERENCE MONUMENTS REQ'D
N ¼ CORNER OF SECTION 5
T18N; R8E; TOWN OF DAKOTA
MAG NAIL
STA 588+21.9, 0.5' LT
Y = 131,287.534
X = 368,755.185

N

WHITE RIVER

CENTURYLINK
COMMUNICATION LINE

575 580 585

N89°55'31"E
5052.59'

STH 21

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

CENTURYLINK
COMMUNICATION LINE

ENVIRONMENTALLY SENSITIVE AREA

GRAVEL FIELD ENTRANCE
STA 582+56.1, 45.0' RT MATCH EXISTING

WHITE RIVER

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

PROPOSED RIGHT-OF-WAY (TYP.)

CTH Y

GRAVEL PRIVATE ENTRANCE
STA 574+15.2, 47.0' RT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 573+98.5, 32.0' RT, ELEV 892.89
OUTLET STA 574+29.8, 32.3' RT, ELEV 892.66

PROPOSED ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

EXISTING ROADWAY PROFILE

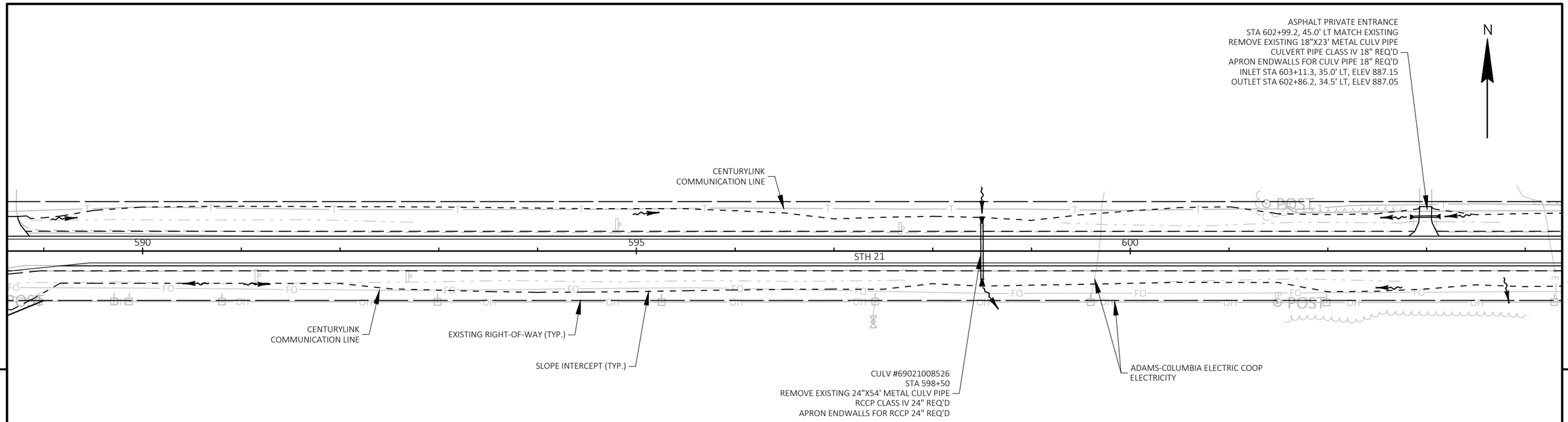
SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

PROPOSED ELEVATION
EXISTING ELEVATION

| | | |



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 224	E

GRAVEL FIELD ENTRANCE
STA 606+23.2, 45.0' LT MATCH EXISTING
REMOVE EXISTING 18"X25' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 606+36.9, 34.2' LT, ELEV 889.00
OUTLET STA 606+06.6, 34.2' LT, ELEV 888.76

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

PI: 608+66.32

ENVIRONMENTALLY SENSITIVE AREA

SECTION CORNER
REESTABLISH SECTION CORNER MONUMENTS REQ'D
LANDMARK REFERENCE MONUMENTS REQ'D
NE CORNER OF SECTION 5
T18N; R8E; TOWN OF DAKOTA
WAUTOMA MONUMENT
STA 614+76.3, 0.2' RT
Y = 131,285.973
X = 371,409.609

CENTURYLINK
COMMUNICATION LINE

CLEARING & GRUBBING REQ'D
STA 613+65- STA 616+60 LT

N

605 610 615

STH 21

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

GRAVEL PRIVATE ENTRANCE
STA 608+19.5, 45.0' RT MATCH EXISTING
REMOVE EXISTING 15"X25' METAL CULV PIPE
CULVERT PIPE CLASS IV 15" REQ'D
APRON ENDWALLS FOR CULV PIPE 15" REQ'D
INLET STA 608+40.2, 33.8' RT, ELEV 890.83
OUTLET STA 608+04.4, 33.3' RT, ELEV 890.77

CENTURYLINK
COMMUNICATION LINE

GRAVEL PRIVATE ENTRANCE
STA 614+82.1, 45.0' RT MATCH EXISTING
REMOVE EXISTING 18"X 28' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 614+67.0, 35.4' RT, ELEV 891.64
OUTLET STA 614+89.1, 35.6' RT, ELEV 891.60

CAUTION
WE ENERGIES
GAS

CENTURYLINK
COMMUNICATION LINE

5

5

910 905 900 895 890 885 880 875 873

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE LT

PROPOSED ELEVATION
EXISTING ELEVATION

604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619
890.74	890.98	891.29	891.69	892.12	892.57	893.01	893.46	893.88	894.26	894.57	894.80	894.98	895.14	895.32	895.49
891.22	891.45	891.77	892.17	892.60	893.04	893.49	893.94	894.36	894.74	895.05	895.28	895.46	895.62	895.80	895.97

615	616	617	618	619
895.65	895.77	895.74	895.72	895.64
896.13	896.25	896.21	896.20	896.09

615	616	617	618	619
895.41	895.14	894.82	894.50	894.19	893.90	893.66	893.38	892.98	892.64
895.89	895.62	895.30	894.98	894.67	894.38	894.13	893.83	893.48	893.15

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 225	E

GRAVEL PRIVATE ENTRANCE
STA 623+34.1, 55.0' LT MATCH EXISTING
REMOVE EXISTING 18"X26' CULVERT PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV 18" REQ'D
INLET STA 623+23.7, 36.0' LT, ELEV 886.20
OUTLET STA 623+52.0, 36.1' LT, ELEV 885.96

CULV #69021008527
STA 626+60
REMOVE EXISTING 36"X55' METAL CULV PIPE
RCCP CLASS IV 36" REQ'D
APRON ENDWALLS FOR RCCP 36" REQ'D

GRAVEL PRIVATE ENTRANCE
STA 631+86.2, 55.5' LT MATCH EXISTING

CENTURYLINK
COMMUNICATION LINE

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT-OF-WAY (TYP.)

TLE (TYP.)

N

620 625 630

S89°40'19"E
3549.55'

STH 21

CAUTION

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

WE ENERGIES
GAS

CENTURYLINK
COMMUNICATION LINE

CENTURYLINK
COMMUNICATION LINE

ASPHALT COMMERCIAL ENTRANCE
STA 619+29.4, 45.0' RT MATCH EXISTING
REMOVE EXISTING 18"X60' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 618+91.1, 31.5' RT, ELEV 889.92
OUTLET STA 619+66.2, 31.4' RT, ELEV 889.52

ASPHALT COMMERICAL ENTRANCE
STA 622+52.2, 45.0' RT MATCH EXISTING
REMOVE EXISTING 18"X50' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 622+27.4, 33.4' RT, ELEV 887.28
OUTLET STA 622+79.0, 34.4' RT, ELEV 886.66

GRAVEL COMMERICAL ENTRANCE
STA 625+09.7, 45.0' RT MATCH EXISTING
REMOVE EXISTING 18"X54' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 624+82.3, 36.6' RT, ELEV 884.88
OUTLET STA 625+39.1, 36.2' RT, ELEV 884.60

GRAVEL FIELD ENTRANCE
STA 632+32.7, 46.0' RT MATCH EXISTING
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 632+55.0, 32.8' RT, ELEV 887.50
OUTLET STA 632+10.5, 31.7' RT, ELEV 887.40

5

5

910 905 900 895 890 885 880 875 871

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

CULV #69021008527
STA 626+60
CULVERT PIPE CLASS IV 36"
INLET STA 626+59.6, 31.3' RT, ELEV 883.42
OUTLET STA 626+59.1, 32.4' LT, ELEV 882.34

PROPOSED ELEVATION
EXISTING ELEVATION

619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634
892.64	892.40	892.06	891.73	891.46	891.10	890.73	890.35	890.04	889.74	889.46	889.18	888.79	888.46	888.38	888.35	888.17	887.98	887.93	887.92	887.96	888.14	888.46	888.92	889.44	889.83	890.18	890.59	891.00	891.44	891.87
893.15	892.85	892.53	892.25	891.93	891.58	891.21	890.83	890.52	890.22	889.94	889.65	889.28	889.01	888.86	888.78	888.67	888.51	888.43	888.40	888.47	888.66	888.96	889.40	889.92	890.31	890.66	891.07	891.48	891.92	892.35

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 226	E

SECTION CORNER
REESTABLISH SECTION CORNER MONUMENTS REQ'D
LANDMARK REFERENCE MONUMENTS REQ'D
N ¼ CORNER OF SECTION 4
T18N; R8E; TOWN OF DAKOTA
WAUPACA MONUMENT
STA 641+20.1, 26.1' LT
Y = 131,297.158
X = 374,053.502

CULV #69021008528
STA 641+95
EXISTING 24"X84' METAL CULV PIPE TO REMAIN

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

CLEARING & GRUBBING REQ'D
STA 639+50 - STA 641+50 LT

CENTURYLINK
COMMUNICATION LINE

EXISTING RIGHT-OF-WAY (TYP.)

CLEARING & GRUBBING REQ'D
STA 646+55 - STA 647+30 LT

SLOPE INTERCEPT (TYP.)

PI: 644+15.87

N

635 640 645

STH 21

CENTURYLINK
COMMUNICATION LINE

ATC MANAGEMENT
ELECTRICITY

GRAVEL PRIVATE ENTRANCE
STA 636+28.6, 49.2' RT MATCH EXISTING
REMOVE EXISTING 18"X34' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 636+42.7, 29.0' RT, ELEV 891.53
OUTLET STA 636+17.3, 29.2' RT, ELEV 891.28

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

ASPHALT PRIVATE ENTRANCE
STA 642+57.6, 52.8' RT MATCH EXISTING

WE ENERGIES
GAS

CLEARING & GRUBBING REQ'D
STA 647+25 - STA 648+65 RT

OAKDALE CT

5

5

905 900 895 890 885 880 875 870

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE RT

SPECIAL DITCH
PROFILE RT

CULV #69021008528
STA 641+95
CPCS 24" EXISTING CULVERT TO REMAIN

PROPOSED ELEVATION
EXISTING ELEVATION

634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649
891.87	892.26	892.61	892.91	893.29	893.73	894.15	894.57	894.89	895.16	895.28	895.34	895.23	895.05	894.61	894.07	893.60	892.98	892.25	891.48	890.61	889.75	888.91	888.14	887.44	886.74	886.05	885.26	884.41	883.77
892.35	892.74	893.09	893.39	893.77	894.21	894.63	895.04	895.37	895.61	895.75	895.78	895.69	895.47	895.10	894.59	894.08	893.46	892.73	891.96	891.09	890.23	889.39	888.62	887.92	887.22	886.53	885.78	884.97	884.21	883.62

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 227	E

ADAMS-COLUMBIA ELECTRIC COOP ELECTRICITY

CLEARING & GRUBBING REQ'D STA 649+75 - STA 654+05 LT

CENTURYLINK COMMUNICATION LINE

ADAMS-COLUMBIA ELECTRIC COOP ELECTRICITY

REMOVING WOODEN SIGN REQ'D STA 657+09 LT

BUCHKHORN CIR

GRAVEL PRIVATE ENTRANCE
STA 663+27.1, 47.0' LT MATCH EXISTING
REMOVE EXISTING 18"X23' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 663+14.8, 33.9' LT, ELEV 871.02
OUTLET STA 663+41.4, 34.1' LT, ELEV 870.86

GRAVEL PRIVATE ENTRANCE
STA 661+53.0, 45.0' LT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 661+39.9, 32.4' LT, ELEV 871.96
OUTLET STA 661+69.3, 32.5' LT, ELEV 871.76

N

CLEARING & GRUBBING REQ'D STA 660+10 - STA 660+50 LT

TLE (TYP.)

SPECTRUM COMMUNICATION LINE

650 655 660

STH 21

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

SPECTRUM COMMUNICATION LINE

CENTURYLINK COMMUNICATION LINE

WE ENERGIES GAS

OAKDALE CT

GRAVEL PRIVATE ENTRANCE
STA 653+58.5, 47.0' RT MATCH EXISTING
REMOVE EXISTING 18"X26' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 653+48.5, 40.1' RT, ELEV 872.78
OUTLET STA 653+72.9, 40.7' RT, ELEV 872.42

GRAVEL PRIVATE ENTRANCE
STA 655+99.6, 45.0' RT MATCH EXISTING
REMOVE EXISTING 18"X45' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 655+80.8, 43.2' RT, ELEV 871.15
OUTLET STA 656+24.1, 43.9' RT, ELEV 871.05

GRAVEL PRIVATE ENTRANCE
STA 655+16.5, 46.0' RT MATCH EXISTING
REMOVE EXISTING 18"X31' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 654+98.6, 41.0' RT, ELEV 871.51
OUTLET STA 655+33.2, 42.5' RT, ELEV 871.35

GRAVEL PRIVATE ENTRANCE
STA 658+80.0, 55.0' RT MATCH EXISTING
REMOVE EXISTING 18"X18' METAL CULV PIPE
CULVERT PIPE CLASS IV 18" REQ'D
APRON ENDWALLS FOR CULV PIPE 18" REQ'D
INLET STA 658+90.3, 40.1' RT, ELEV 871.12
OUTLET STA 658+66.4, 41.5' RT, ELEV 870.89

STA 660+36.2, 46.0' RT MATCH EXISTING
GRAVEL PRIVATE ENTRANCE
REMOVE EXISTING 18"X21' METAL CULV PIPE

SPECTRUM COMMUNICATION LINE

ADAMS-COLUMBIA ELECTRIC COOP ELECTRICITY

5 5

895 890 885 880 875 870 865 860 859

SPECIAL DITCH PROFILE RT

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH PROFILE RT

SPECIAL DITCH PROFILE LT

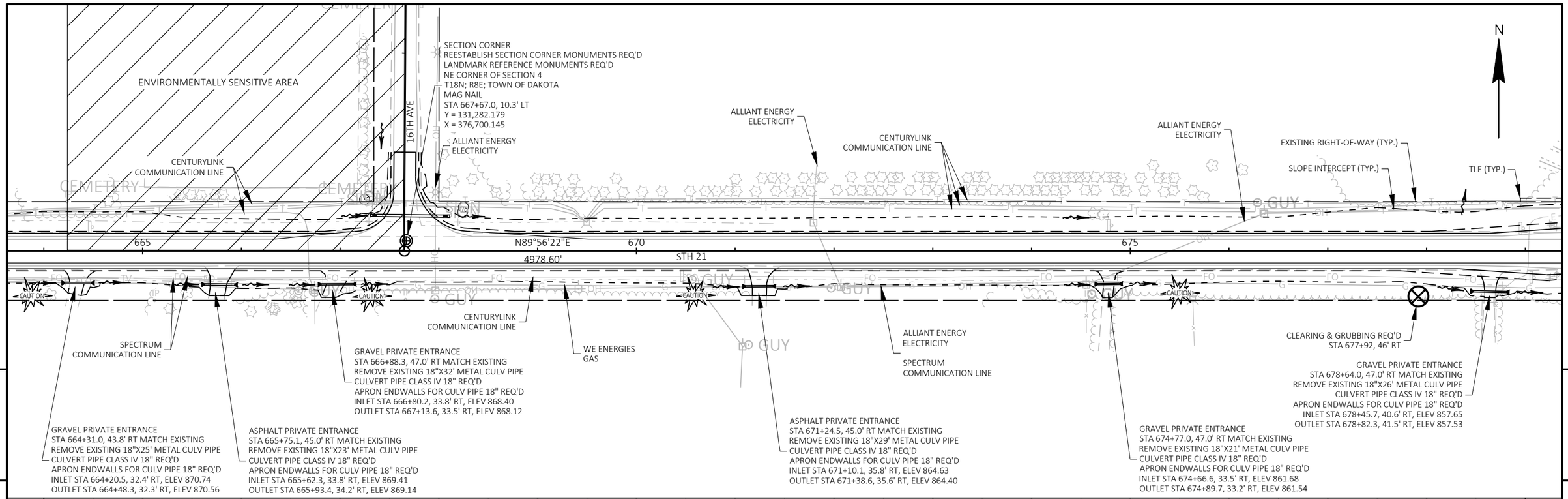
SPECIAL DITCH PROFILE RT

PROPOSED ELEVATION

EXISTING ELEVATION

649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664
883.21	882.42	881.95	881.34	878.84	878.21	877.71	877.23	876.90	876.58	876.31	876.11	876.14	876.08	875.85	875.62	875.43	875.36	875.39	875.35	875.28	875.06	874.80	874.72	874.66	874.48	874.27	873.89
883.62	883.01	882.44	881.82	881.19	880.57	879.96	879.32	878.69	878.19	877.71	877.38	877.06	876.82	876.68	876.59	876.51	876.32	876.10	875.94	875.87	875.84	875.82	875.71	875.52	875.32	875.21	875.10	874.95	874.71	874.37

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 228	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 229 E

STA 680+50 - STA 680+70
C-69-011
NO STRUCTURE WORK REQ'D

STA 679+22 - STA 681+66 RT
STA 679+54 - STA 681+66 LT
REPLACE GUARDRAIL
SEE CONSTRUCTION DETAILS

ASPHALT COMMERCIAL ENTRANCE
STA 689+03.5, 45.0' LT MATCH EXISTING
REMOVE EXISTING 24"X50' CONC CULV PIPE
CULVERT PIPE CLASS IV 24" REQ'D
APRON ENDWALLS FOR CULV PIPE 24" REQ'D
INLET STA 689+29.7, 33.8' LT, ELEV 861.74
OUTLET STA 688+76.8, 33.4' LT, ELEV 861.58

N

STH 22/21

ALLIANT ENERGY
ELECTRICITY

CITY OF WAUTOMA
WATER

CENTURYLINK
COMMUNICATION LINE

STA 691+00 RT
REMOVE CONCRETE RUMBLE STRIPS
ASPHALTIC INTERSECTION RUMBLE STRIPS REQ'D
SEE SDD 13A8 FOR LOCATION

BIRD CREEK

680 685 690

STH 21

CAUTION

ALLIANT ENERGY
ELECTRICITY

BIRD CREEK

TLE (TYP.)

STA 681+05 RT
REMOVE CONCRETE RUMBLE STRIP
ASPHALTIC INTERSECTION RUMBLE STRIPS REQ'D
SEE SDD 13A8 FOR SPACING AND LOCATION

EXISTING RIGHT-OF-WAY (TYP.)

SLOPE INTERCEPT (TYP.)

WE ENERGIES
GAS

CENTURYLINK
COMMUNICATION LINE

STA 687+70 RT
REMOVE CONCRETE RUMBLE STRIPS
ASPHALTIC INTERSECTION RUMBLE STRIPS REQ'D
SEE SDD 13A8 FOR LOCATION

BIRD AVE

CITY OF WAUTOMA
WATER

END PROJECT 6170-00-70
STA 692+51
MATCH EXISTING
SAW CUT REQ'D

CENTURYLINK
COMMUNICATION LINE

GRAVEL PRIVATE ENTRANCE
STA 691+20.8, 55.0' RT MATCH EXISTING
REMOVE EXISTING 12"X20' METAL CULV PIPE
CULVERT PIPE CLASS IV 12" REQ'D
APRON ENDWALLS FOR CULV PIPE 12" REQ'D
INLET STA 691+38.2, 39.8' RT, ELEV 862.48
OUTLET STA 691+08.3, 38.2' RT, ELEV 862.34

STH 22

5

5

880 875 870 865 860 855 850 845 843

STA 691+01.00
EL 865.41

STA 692+51.00
EL 865.05

PROPOSED ROADWAY PROFILE

EXISTING ROADWAY PROFILE

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE LT

SPECIAL DITCH
PROFILE RT

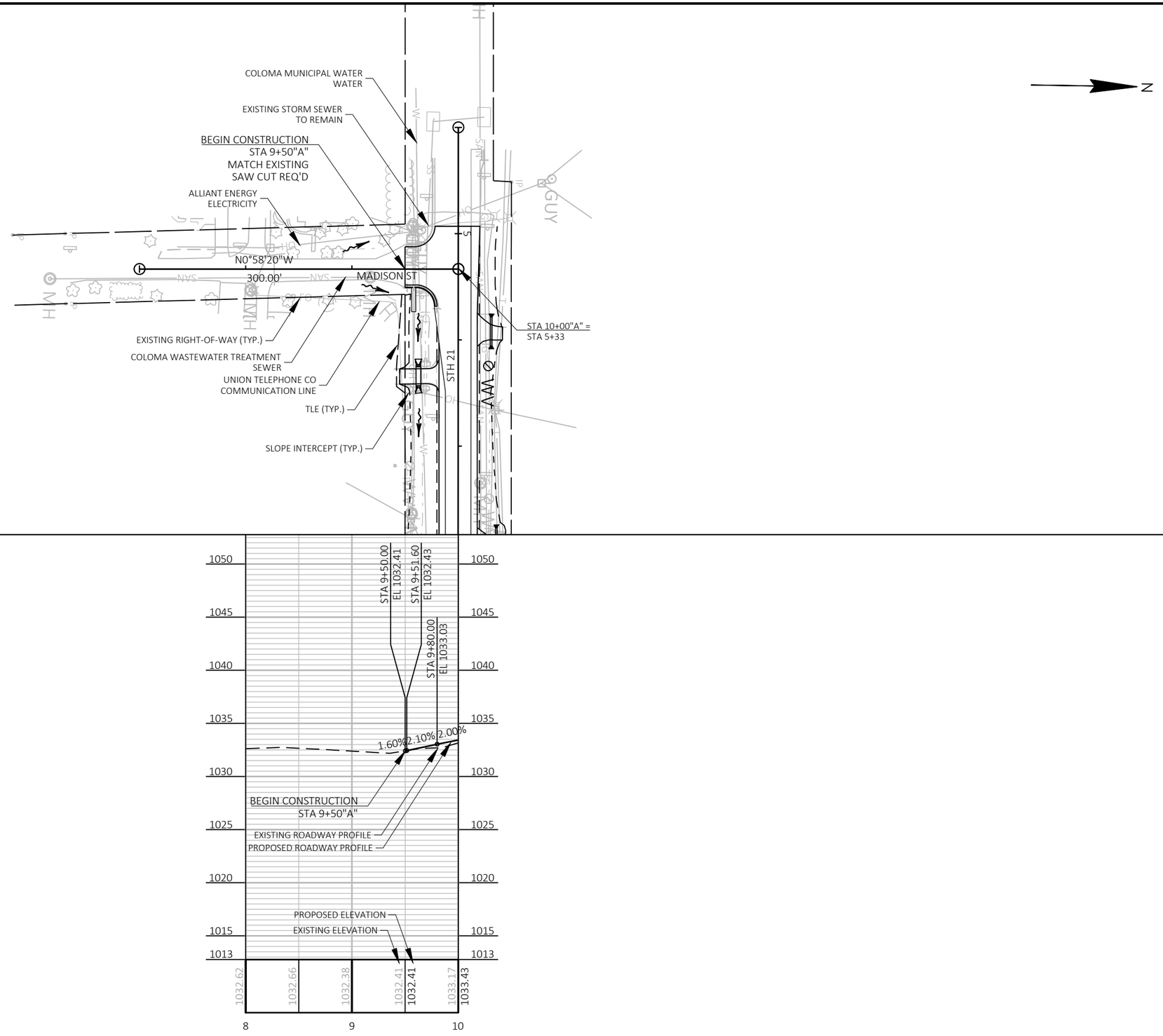
END PROJECT 6170-00-70
STA 692+51
MATCH EXISTING
SAW CUT REQ'D

PROPOSED ELEVATION
EXISTING ELEVATION

679	680	681	682	683	684	685	686	687	688	689	690	691	692	693
861.16	861.08	860.93	860.90	860.94	860.89	860.80	860.99	861.14	861.38	861.88	862.26	862.47	862.73	863.00
861.66	861.55	861.41	861.38	861.42	861.37	861.31	861.47	861.63	861.92	862.32	862.69	862.95	863.20	863.46

863.18	863.40	863.66	863.94	864.24	864.48	864.66	864.78	864.84	864.93	864.97	865.01	865.05	865.19	
863.66	863.87	864.14	864.42	864.72	864.96	865.14	865.25	865.33	865.41	865.29	865.17	865.05		

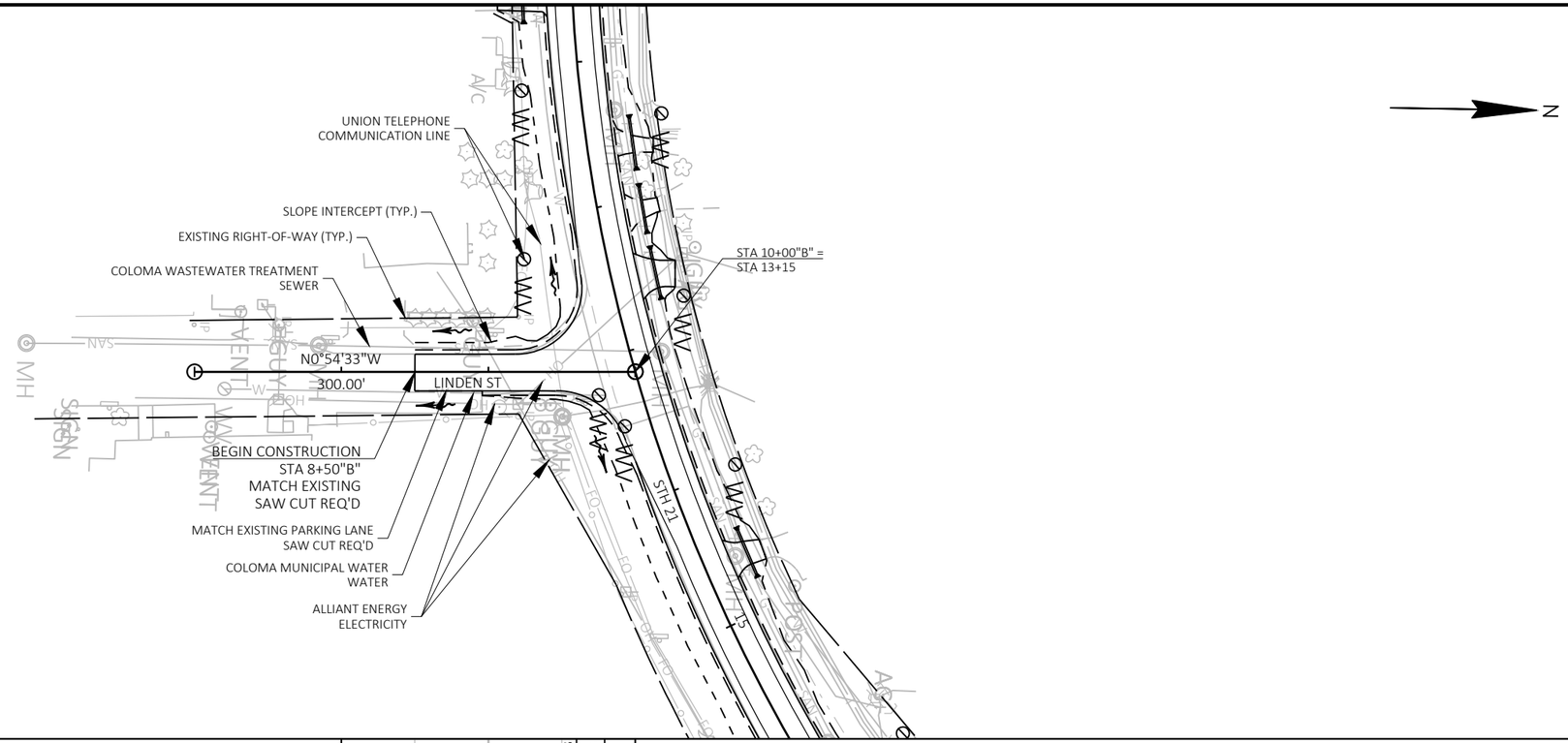
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: STH 21	SHEET 230	E

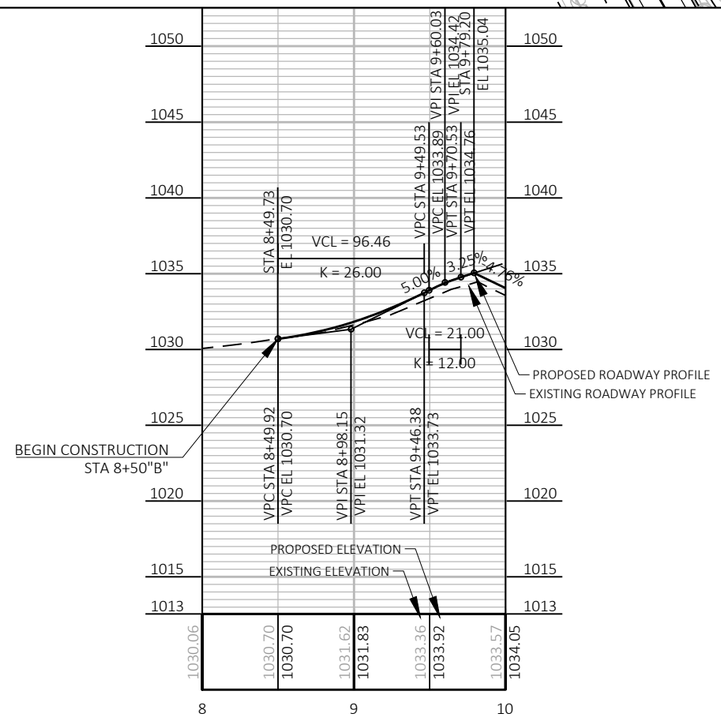


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: MADISON ST	SHEET 231	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 02

PLOT DATE : 10/11/2022 11:47 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT



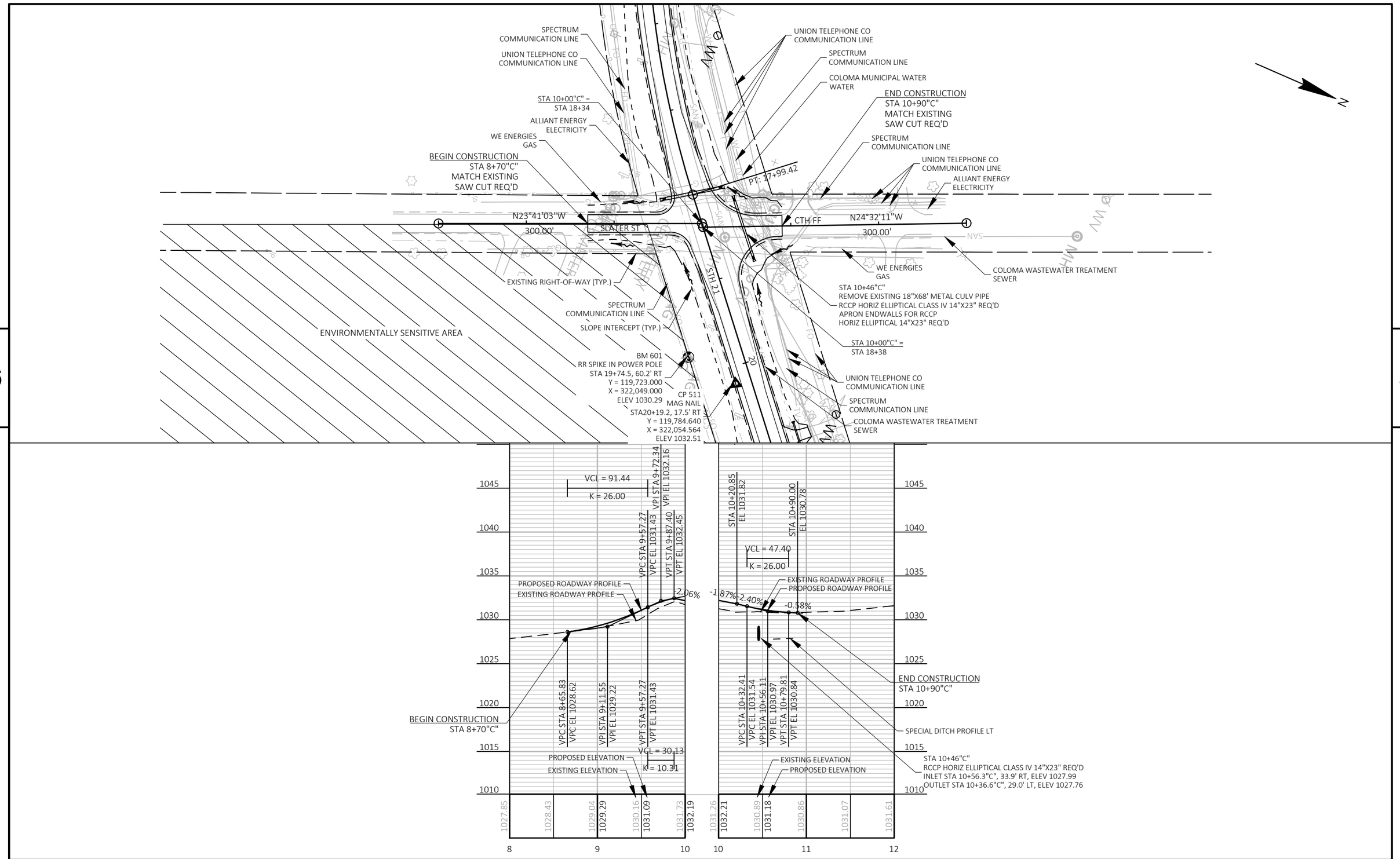


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: LINDEN ST	SHEET 232	E

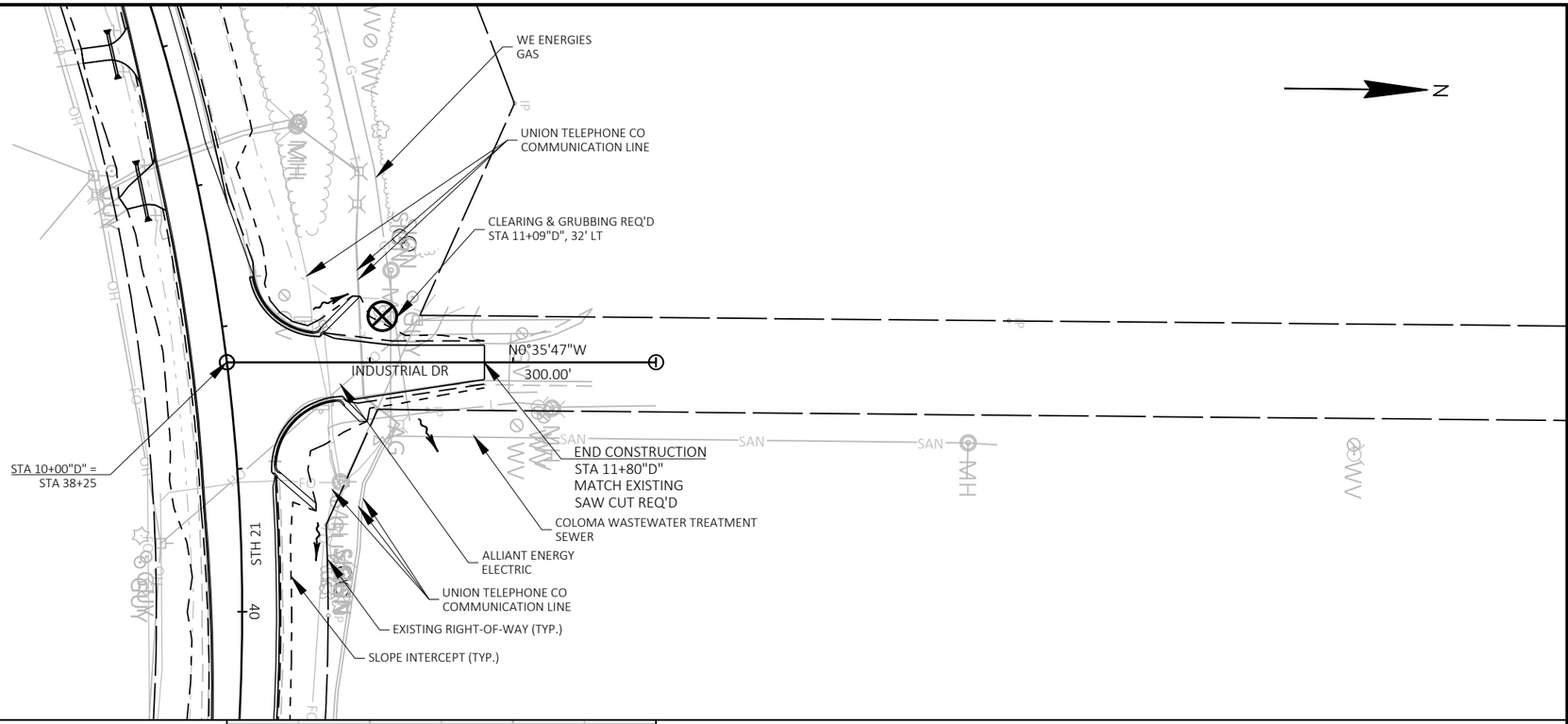
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 03

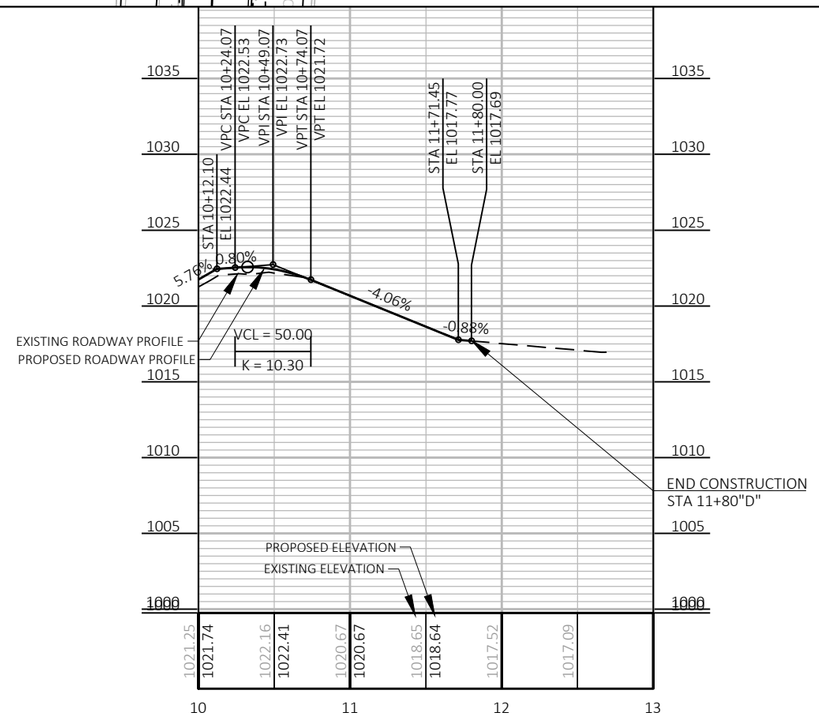
PLOT DATE : 10/11/2022 11:47 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

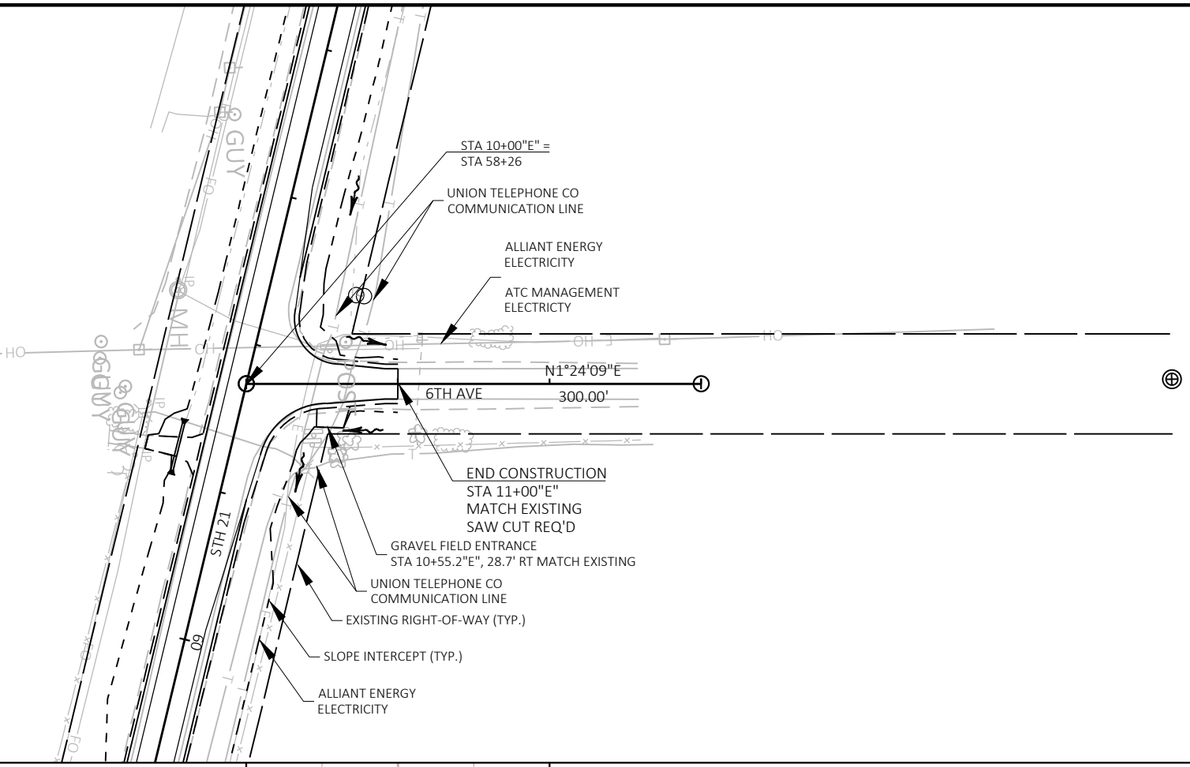


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: SLATER ST & CTH FF	SHEET 233	E

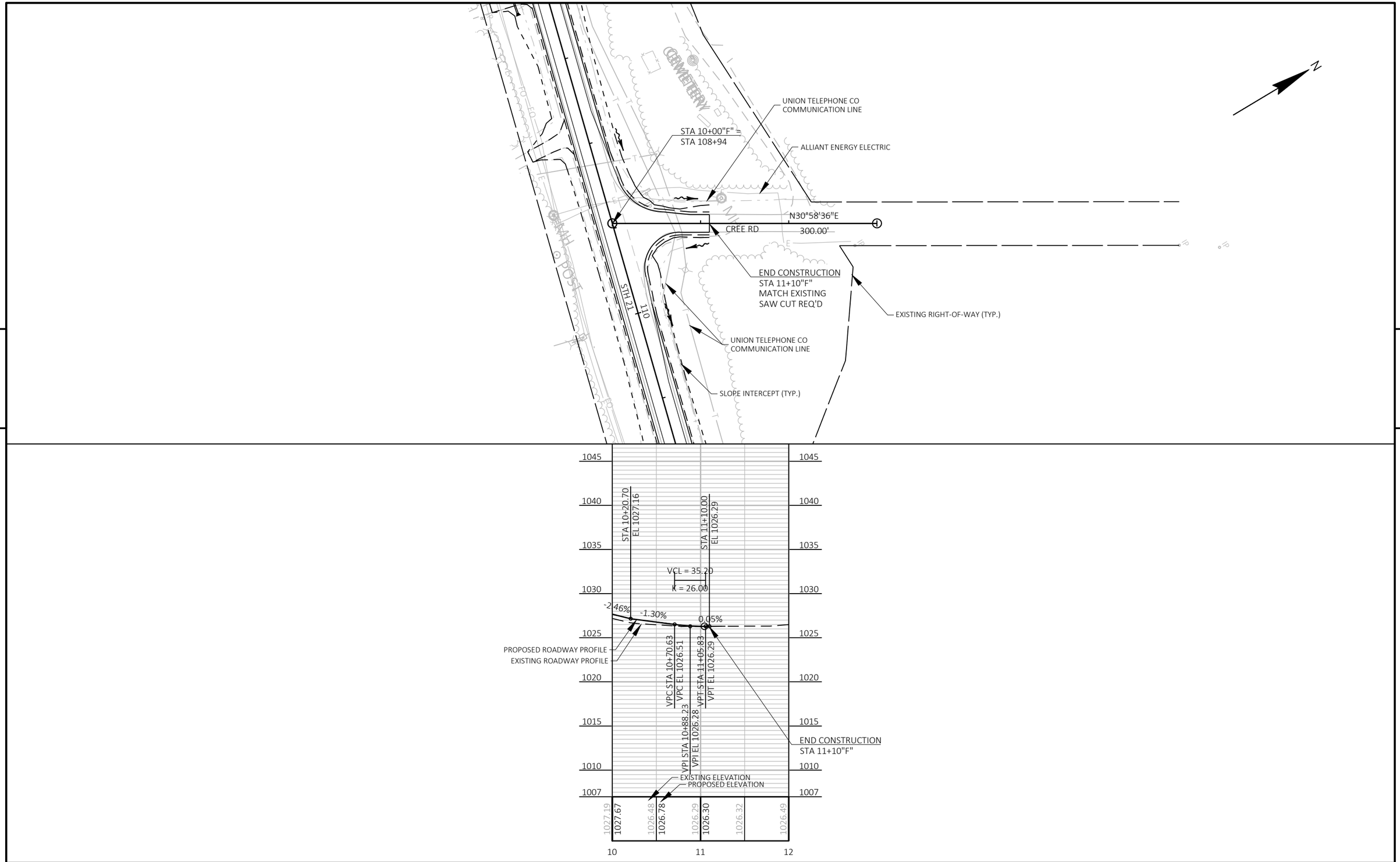




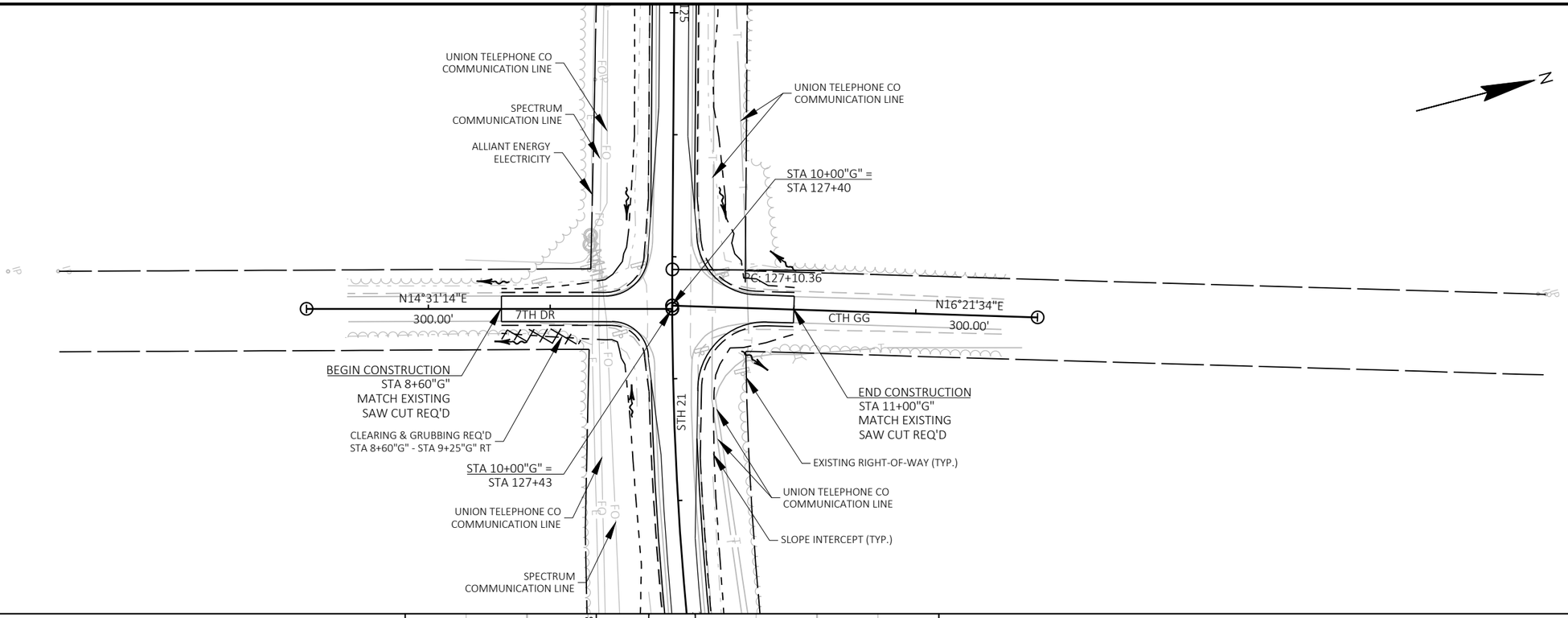
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: INDUSTRIAL DR	SHEET 234	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: 6TH AVE	SHEET 235	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: CREE RD	SHEET 236	E

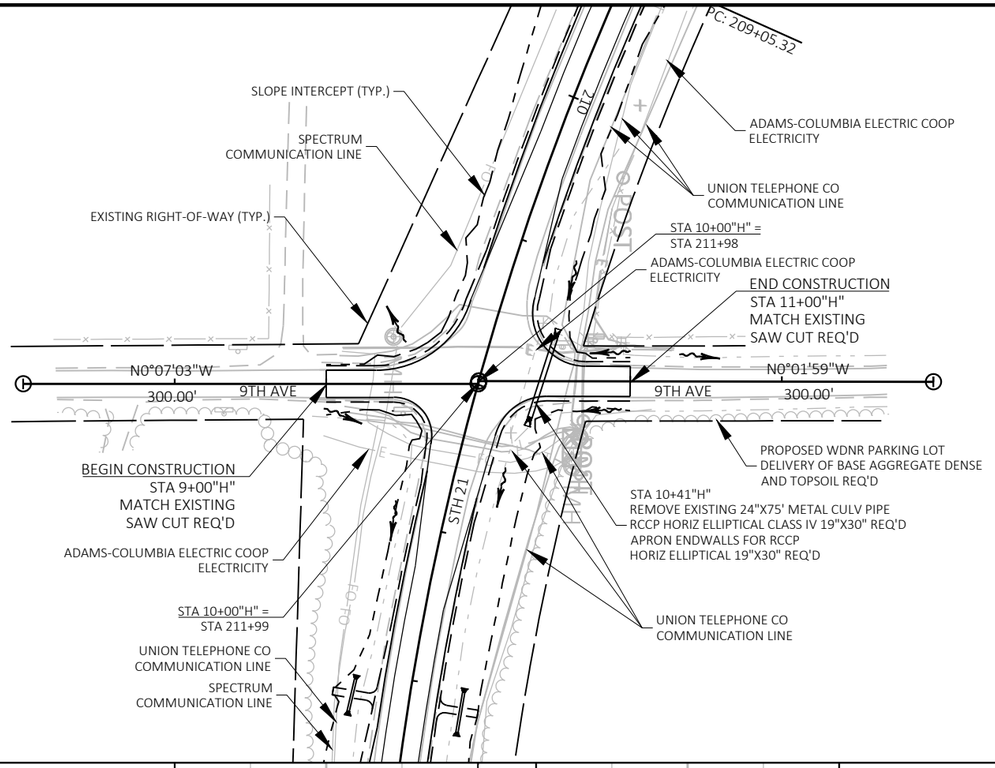


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: 7TH DR & CTH GG	SHEET 237	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 08

PLOT DATE : 10/11/2022 11:51 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



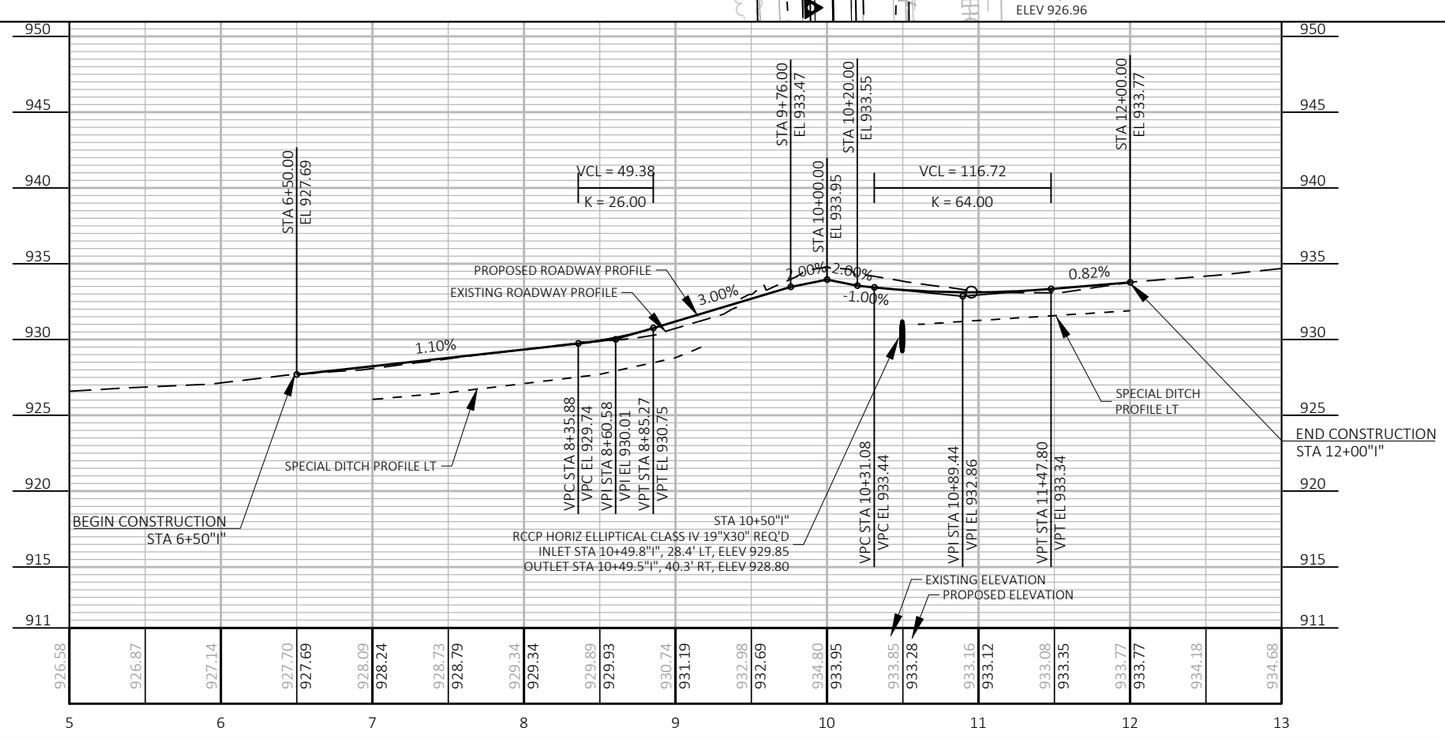
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FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 09
PLOT DATE : 10/11/2022 11:51 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

EXISTING RIGHT-OF-WAY (TYP.)
SLOPE INTERCEPT (TYP.)
UNION TELEPHONE CO COMMUNICATION LINE
SPECTRUM COMMUNICATION LINE
SPECTRUM COMMUNICATION LINE
STA 10+00"I" = STA 238+47
UNION TELEPHONE CO COMMUNICATION LINE
ADAMS-COLUMBIA ELECTRIC COOP ELECTRICITY
ADAMS-COLUMBIA ELECTRIC COOP ELECTRICITY
BEGIN CONSTRUCTION
STA 6+50"I"
MATCH EXISTING
SAW CUT REQ'D
PI: 6+52.17 "I"
PC: 6+77.17 "I"
PRC: 7+88.73 "I"
PT: 8+91.00 "I"
PI: 10+00.00 "I"
END CONSTRUCTION
STA 12+00"I"
MATCH EXISTING
SAW CUT REQ'D
N0°18'39"W
252.17'
CTH B
N0°18'39"W
25.00'
N0°00'00"E
109.00'
PT: 238+32.94
CTH B
N0°19'08"E
300.00'
WE ENERGIES GAS
TLE (TYP.)
PROPOSED RIGHT-OF-WAY (TYP.)
UNION TELEPHONE CO COMMUNICATION LINE
CLEARING & GRUBBING REQ'D
STA 10+62"I", 44' RT
SPECTRUM COMMUNICATION LINE
WE ENERGIES GAS
STA 10+50"I"
REMOVE EXISTING 24"X51' CONC CULV PIPE
RCCP HORIZ ELLIPTICAL CLASS IV 19"X30" REQ'D
APRON ENDWALLS FOR RCCP
HORIZ ELLIPTICAL 19"X30" REQ'D
REMOVAL OF FIELDSTONE ENDWALLS
INCLUDED UNDER EXCAVATION FOR CULV
STH 21
240
UNION TELEPHONE CO COMMUNICATION LINE
CP 513
MAG NAIL
STA 240+84.6, 14.4' RT
Y = 117,095.421
X = 343,218.505
ELEV 928.35
BM 603
RR SPIKE IN POWER POLE
STA 240+60.6, 48.0' LT
Y = 117,158.000
X = 343,195.000
ELEV 926.96

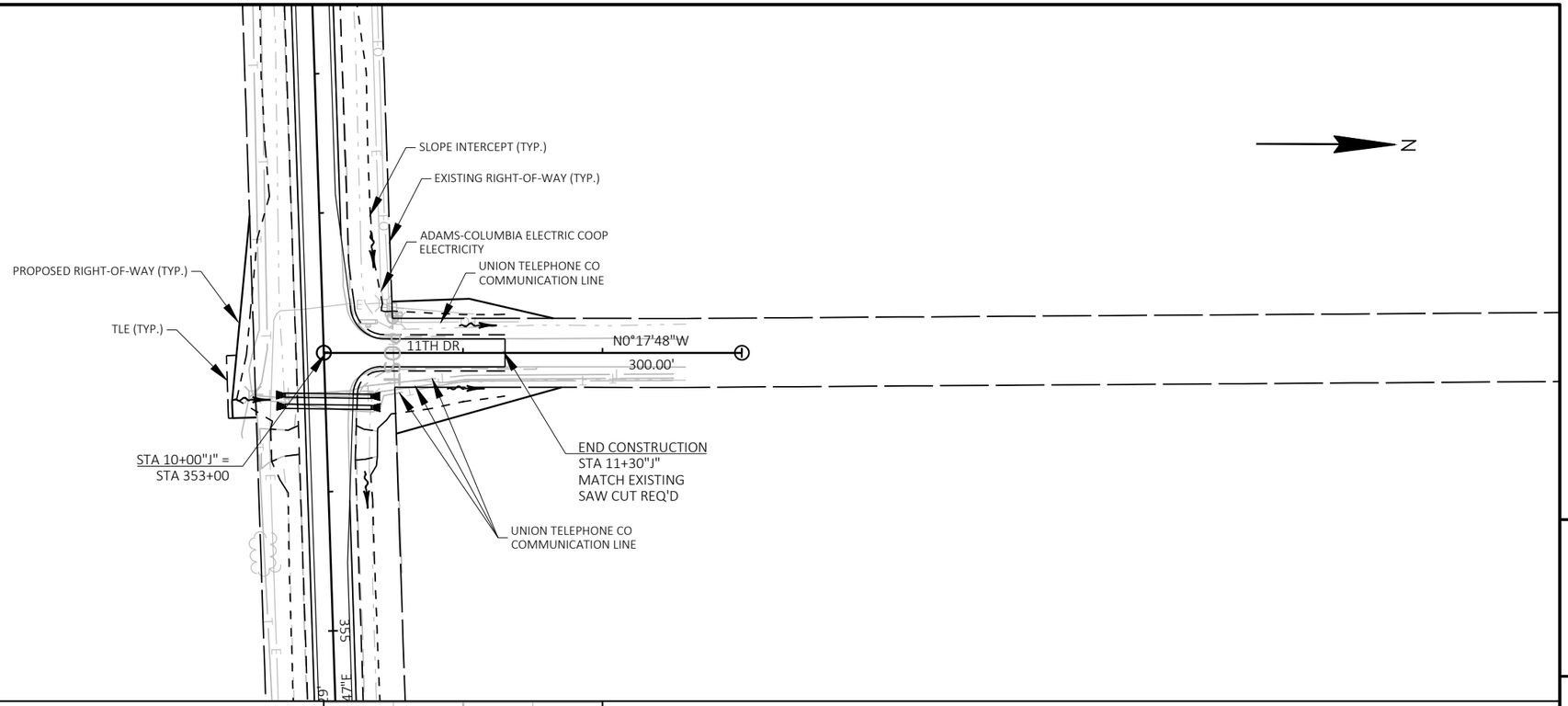
PI STA = 7+32.98
Y = 116845.177
X = 342966.542
DELTA = 4°48'01" RT
D = 4°18'10"
T = 55.81'
L = 111.56'
R = 1331.56'
PC STA = 6+77.17
PT STA = 7+88.73

PI STA = 8+39.91
Y = 116951.329
X = 342979.911
DELTA = 5°57'14" LT
D = 5°49'18"
T = 51.18'
L = 102.27'
R = 984.17'
PC STA = 7+88.73
PT STA = 8+91.00

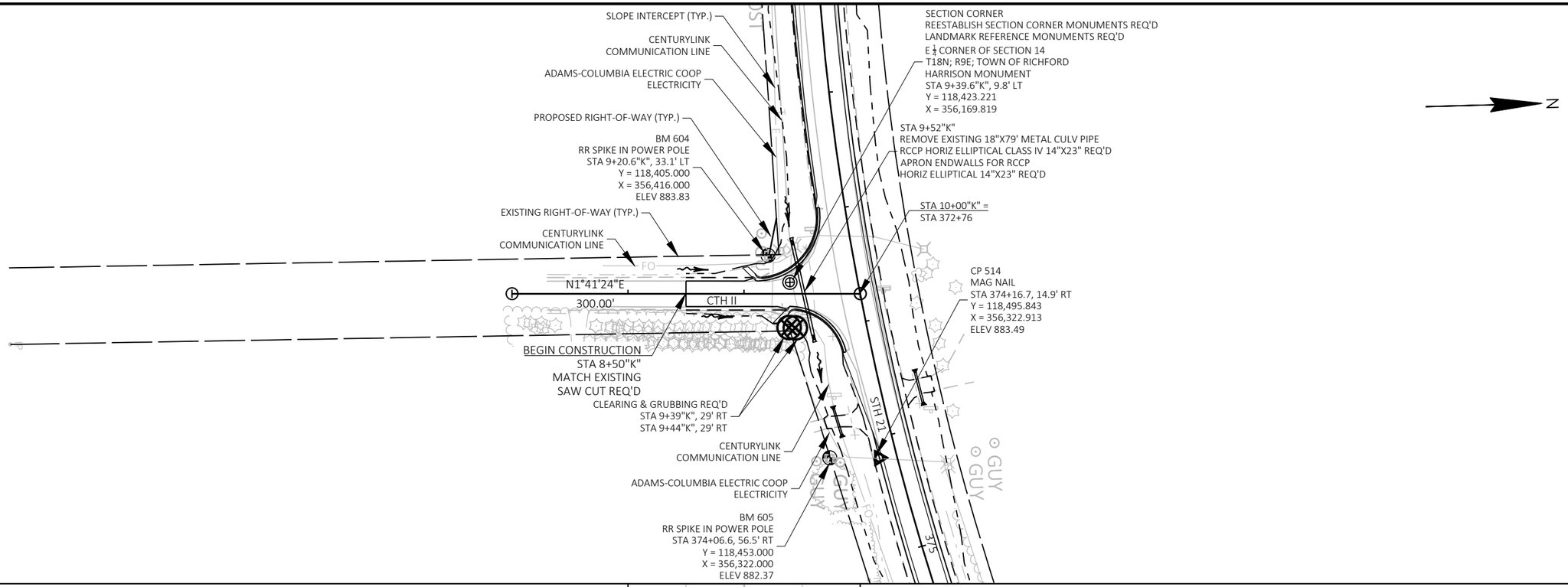


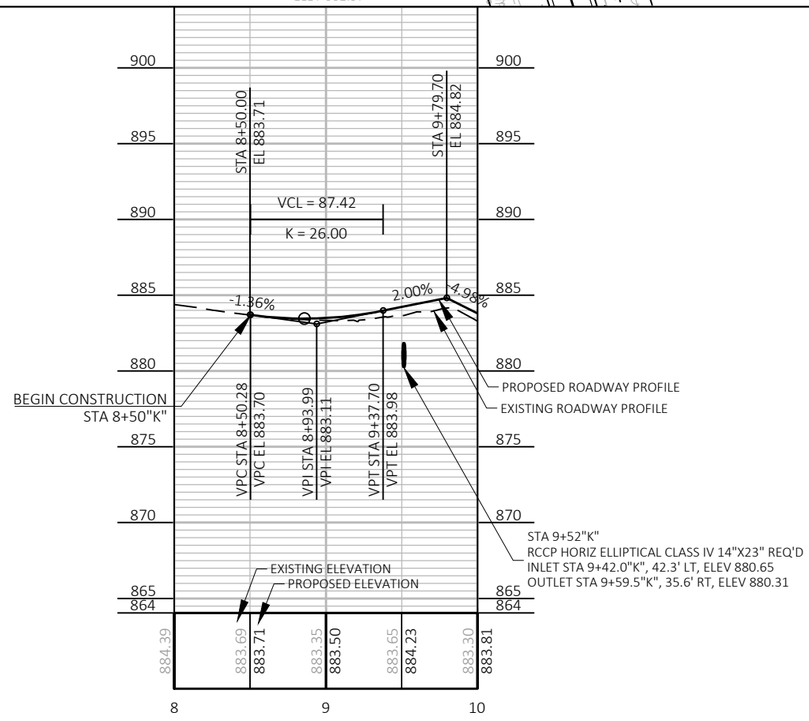
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: CTH B	SHEET 239 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 10
PLOT DATE : 10/11/2022 11:52 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: 11TH DR	SHEET 240	E





PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: CTH II	SHEET 241	E

PI STA = 11+17.78 "L"
Y = 125031.421
X = 361515.338
DELTA = 14°52'44"
D = 9°09'15"
T = 81.73'
L = 162.54'
R = 625.90'
PC STA = 10+36.05 "L"
PT STA = 11+98.59 "L"

CENTURYLINK
COMMUNICATION LINE

STA 10+59"L"
REMOVE EXISTING 24"X72' METAL CULV PIPE
CULVERT PIPE CLASS III 24" REQ'D
APRON ENDWALLS FOR CULVERT PIPE 24" REQ'D

CLEARING & GRUBBING REQ'D
STA 10+90"L" - STA 11+60"L" LT

STA 10+00"L" =
STA 458+56

PC: 10+36.05 "L"

PT: 11+98.59 "L"

S25°49'36"E
36.05'

N89°17'40"E
101.41'

COTTONVILLE CT

END CONSTRUCTION
STA 12+00"L"
MATCH EXISTING
SAW CUT REQ'D

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

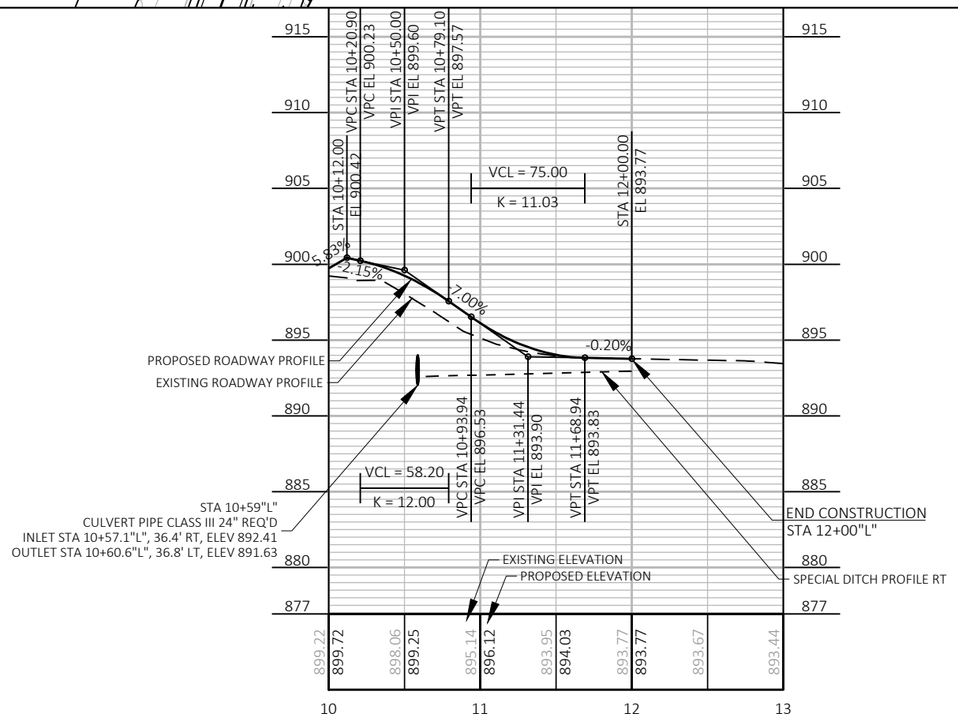
CENTURYLINK
COMMUNICATION LINE

STH 21

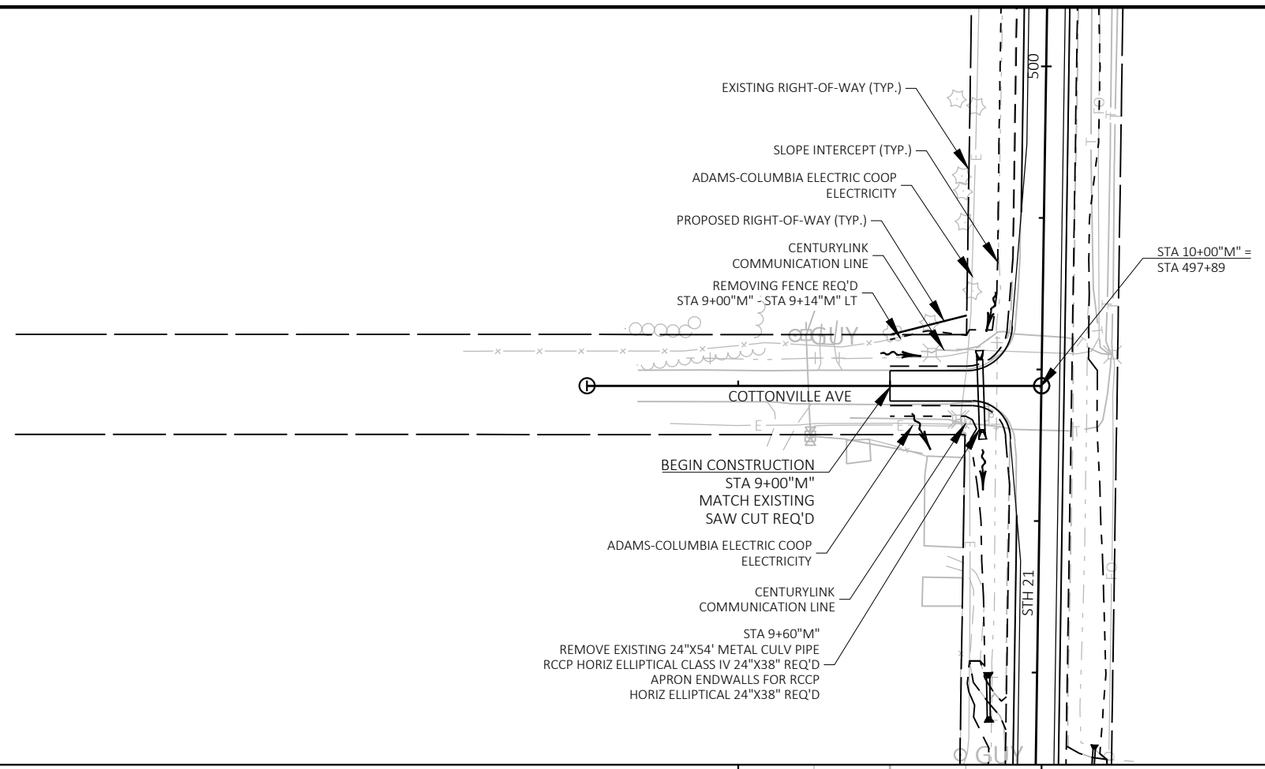
EXISTING RIGHT-OF-WAY (TYP.)

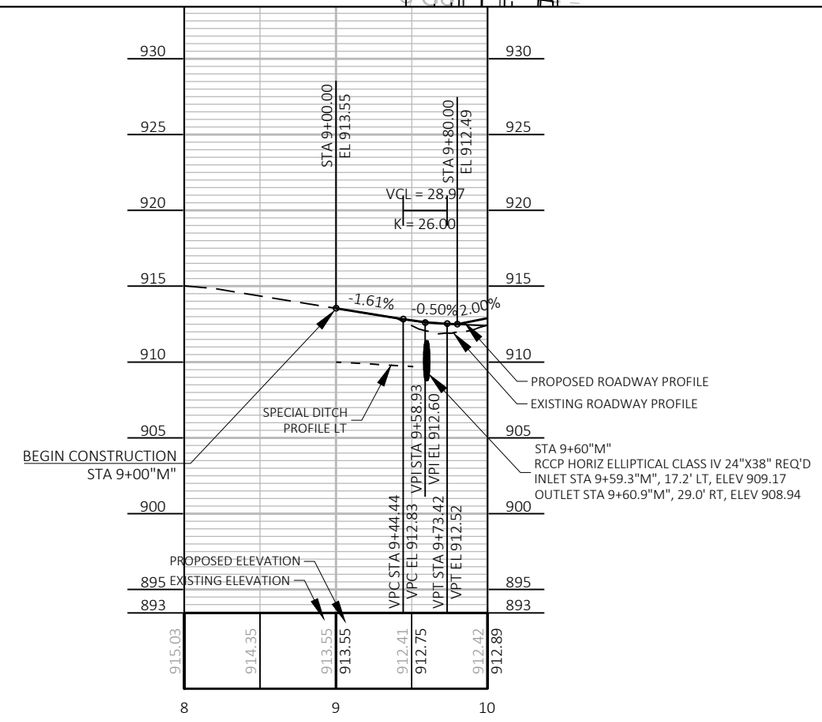
SLOPE INTERCEPT (TYP.)

PROPOSED RIGHT-OF-WAY (TYP.)



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: COTTONVILLE CT	SHEET 242	E





PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: COTTONVILLE AVE	SHEET 243	E

PI STA = 7+62.30 "N"
Y = 130824.935
X = 361484.679
DELTA = 15°42'16"
D = 12°40'59"
T = 62.30'
L = 123.82'
R = 451.75'
PC STA = 7+00.00 "N"
PT STA = 8+23.82 "N"

ADAMS-COLUMBIA ELECTRIC COOP
ELECTRICITY

CENTURYLINK
COMMUNICATION LINE

PT: 8+23.82 "N"

S68°27'47"E
176.18'

CTH Y

STA 10+00"N" =
STA 515+70

515

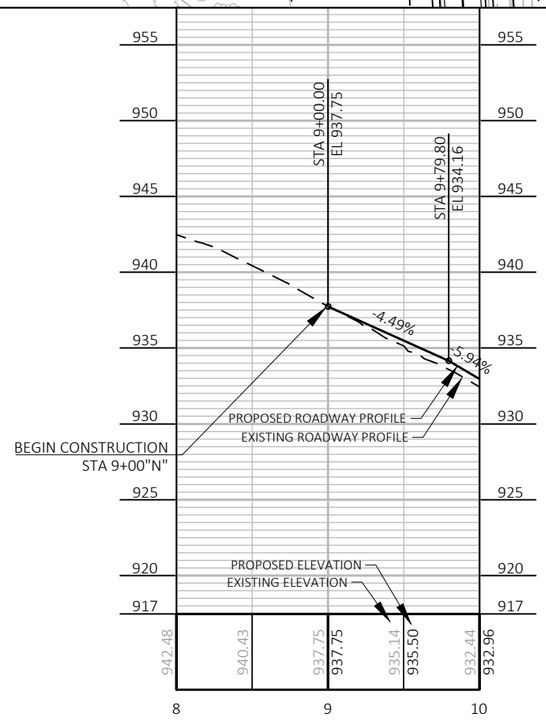
STH 21

BEGIN CONSTRUCTION
STA 9+00"N"
MATCH EXISTING
SAW CUT REQ'D

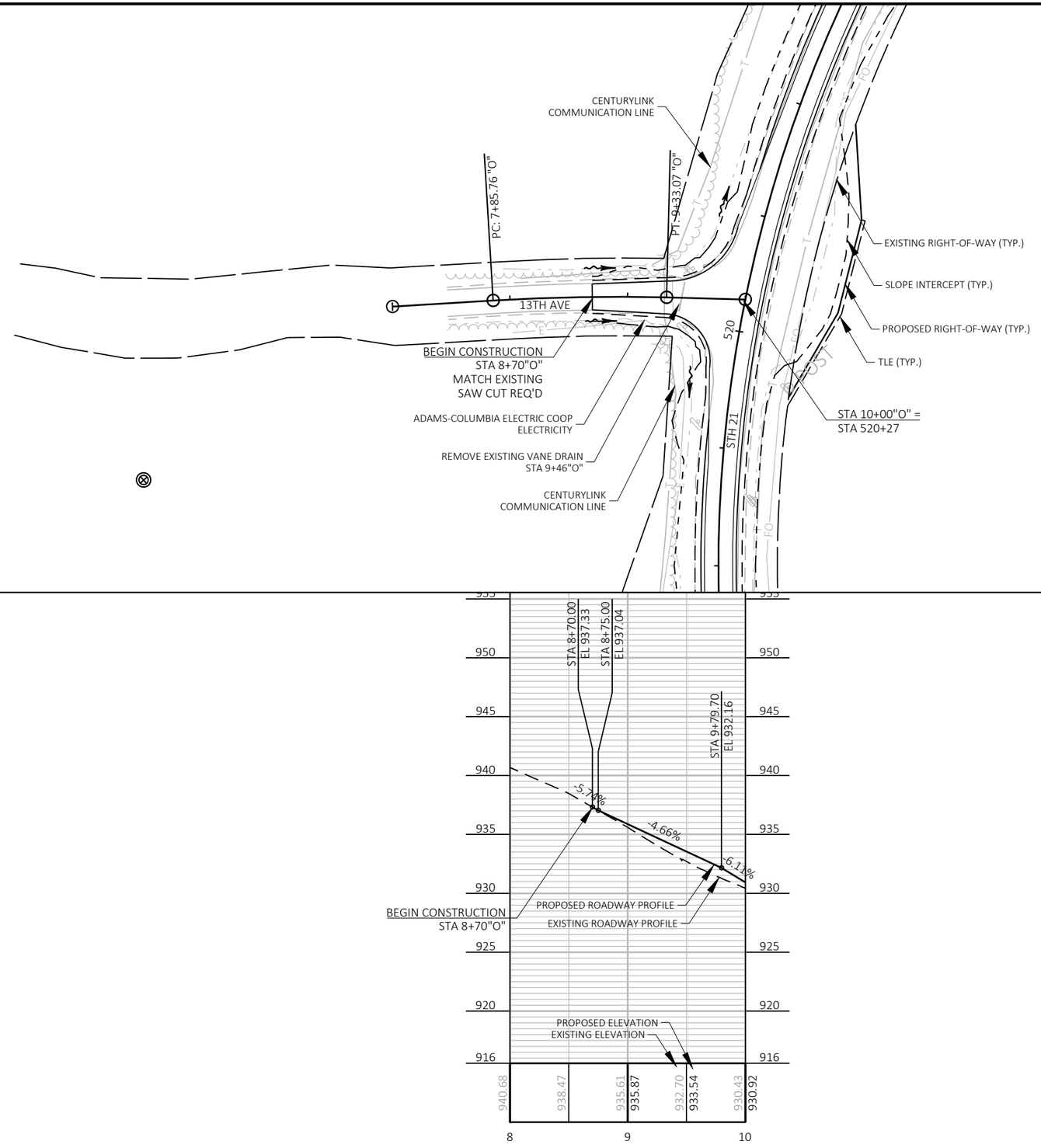
CENTURYLINK
COMMUNICATION LINE

SLOPE INTERCEPT (TYP.)

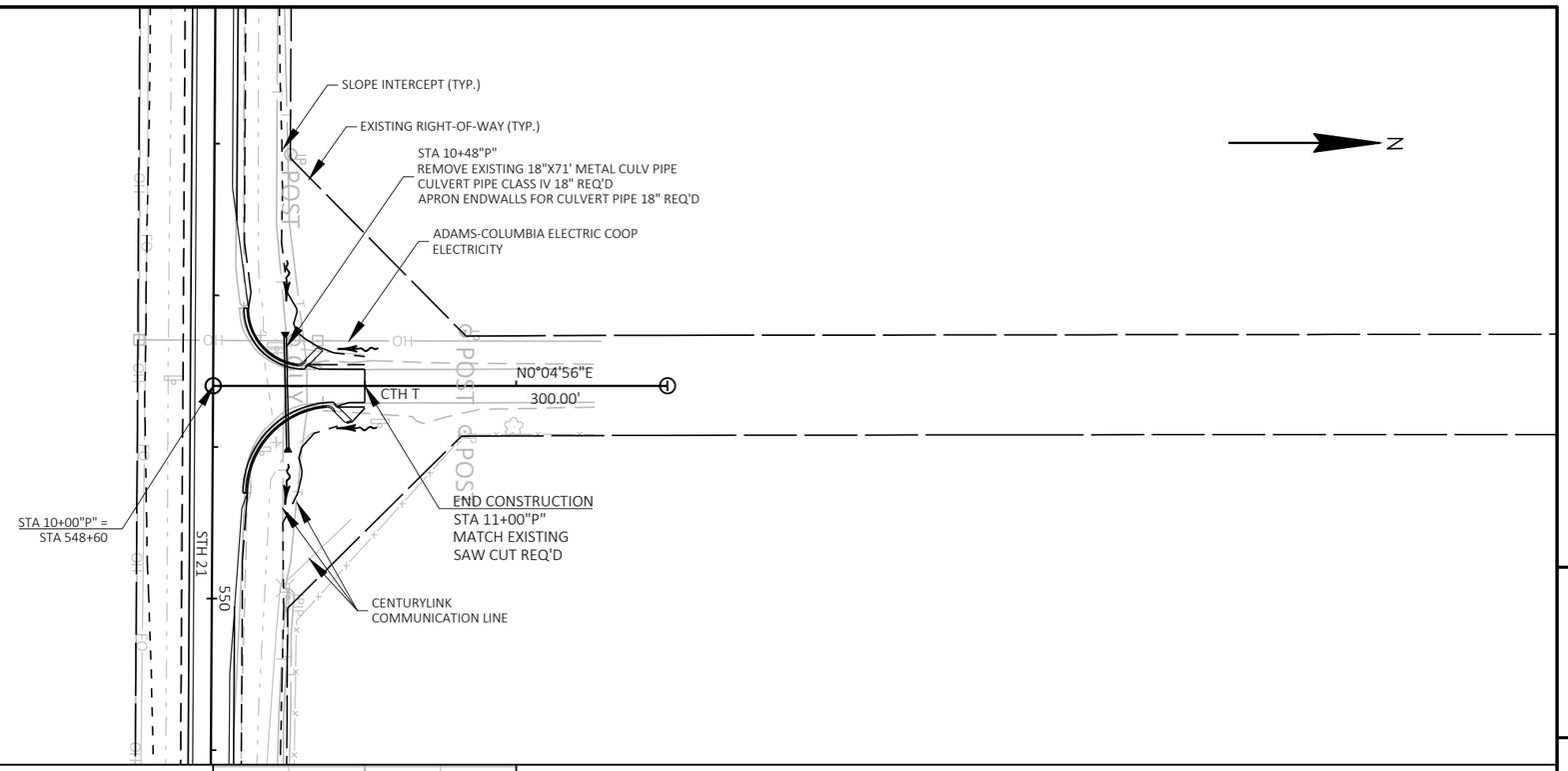
EXISTING RIGHT-OF-WAY (TYP.)



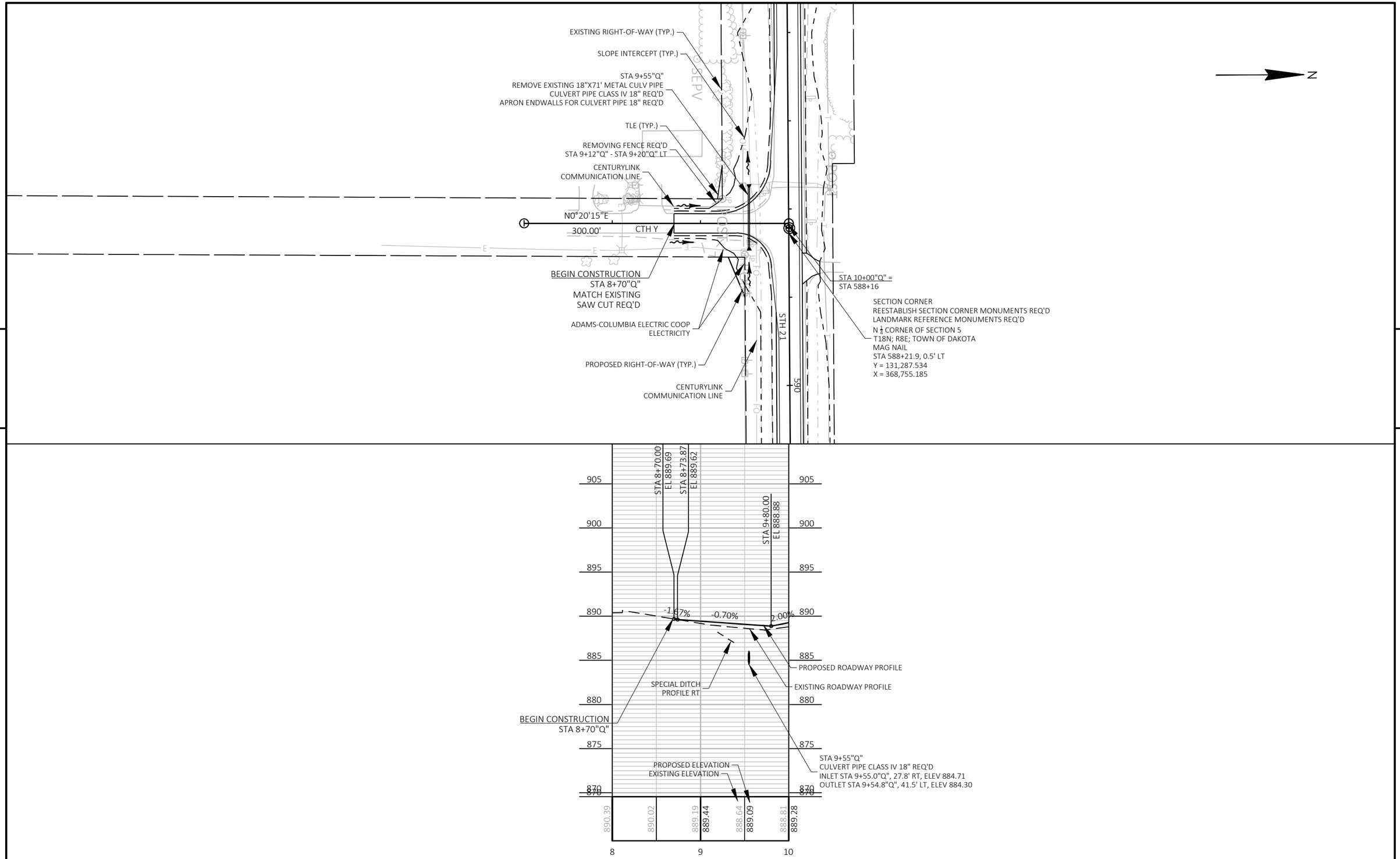
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: CTH Y	SHEET 244	E



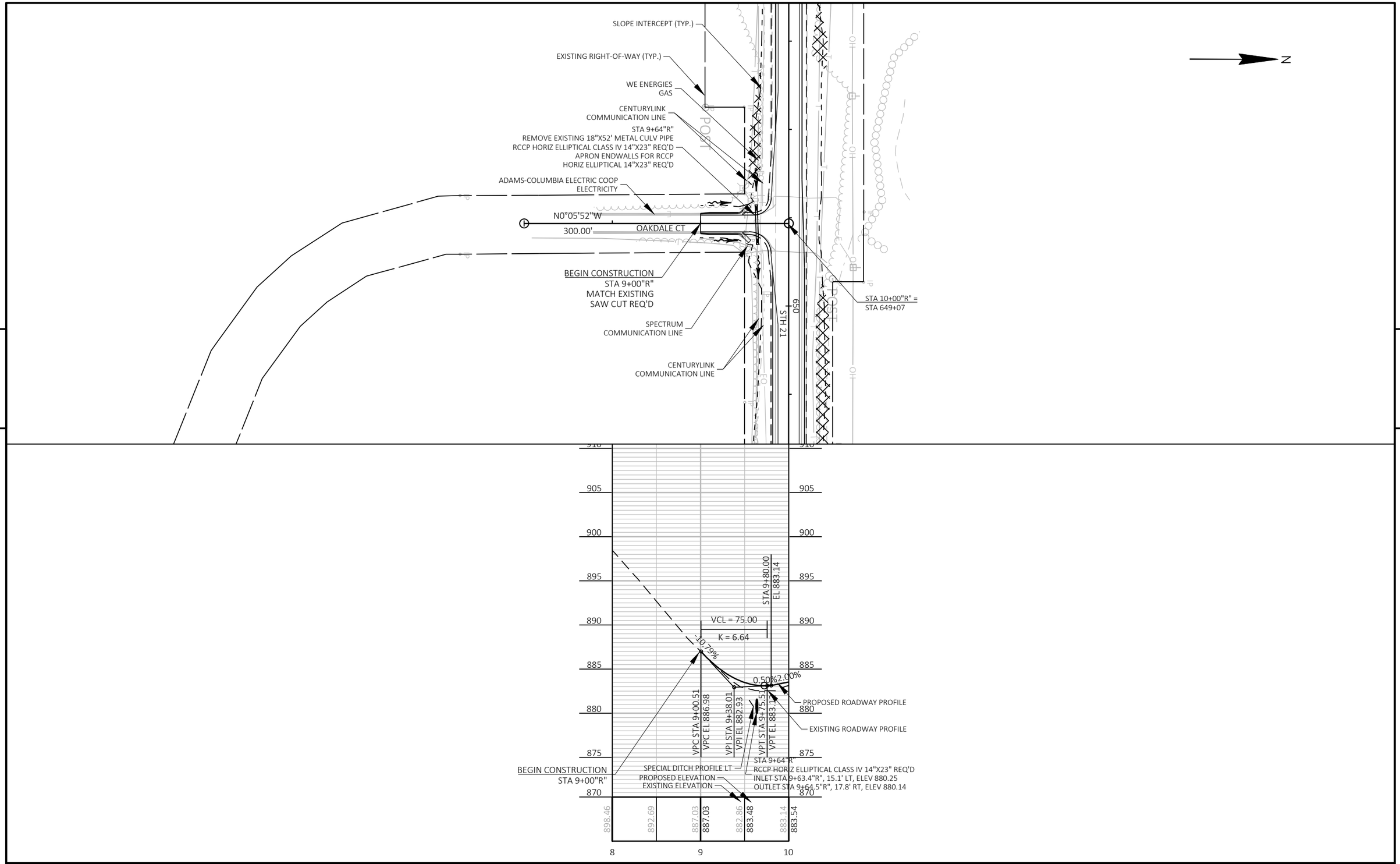
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: 13TH AVE	SHEET 245	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: CTH T	SHEET 246	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: CTH Y	SHEET 247	E

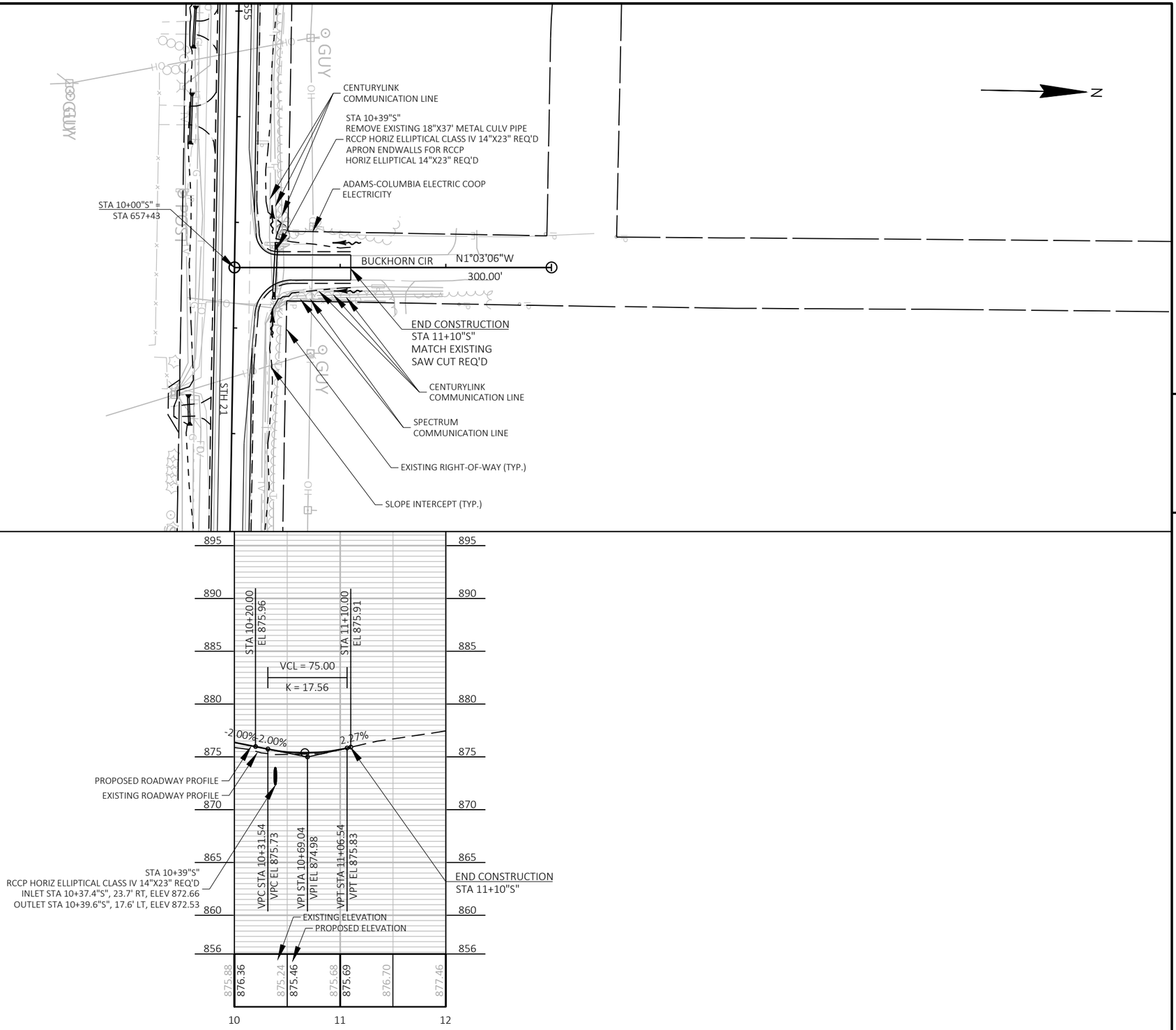


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: OAKDALE CT	SHEET 248	E

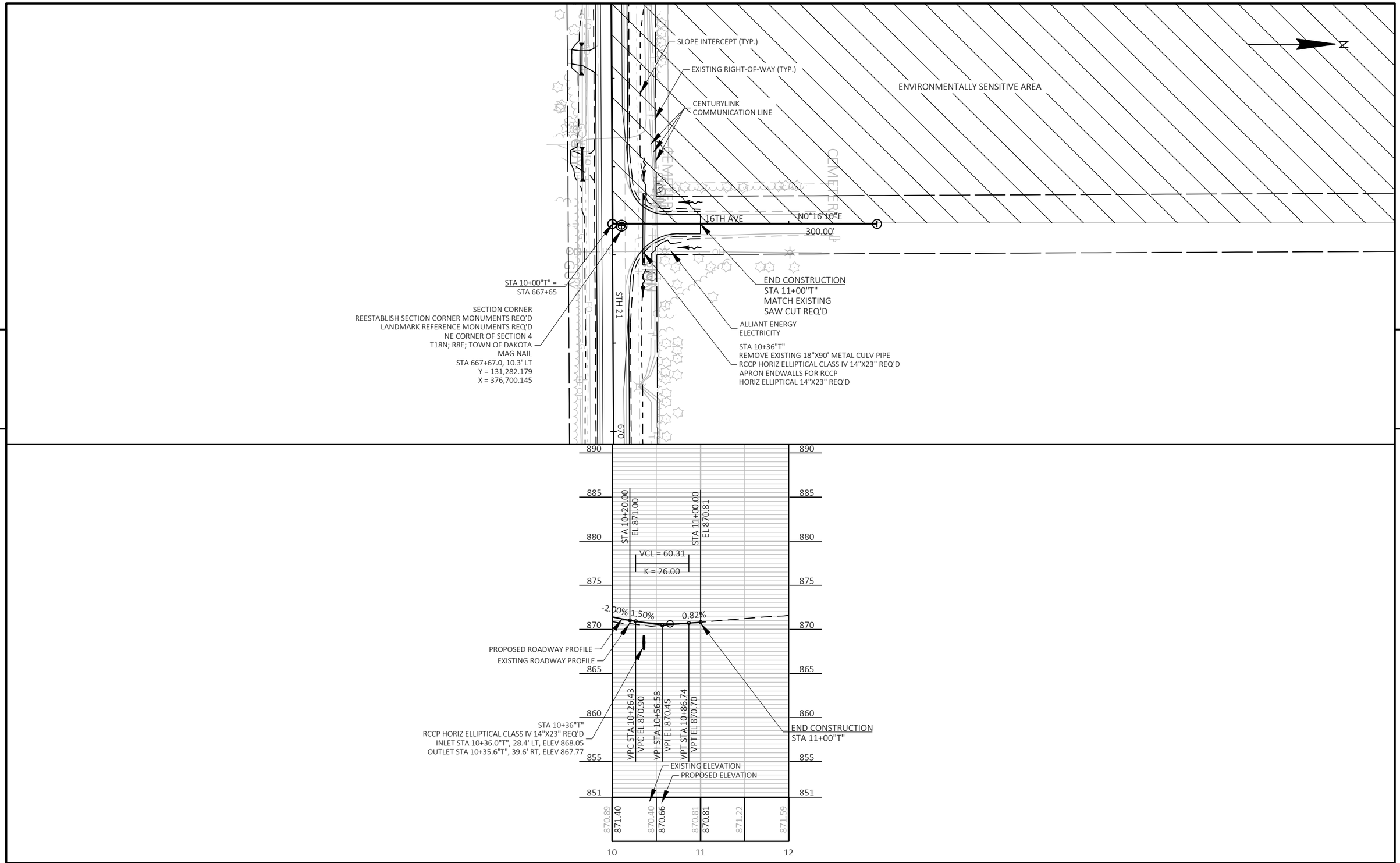
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LAYOUT NAME - 19

PLOT DATE : 10/11/2022 11:57 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:100 FT

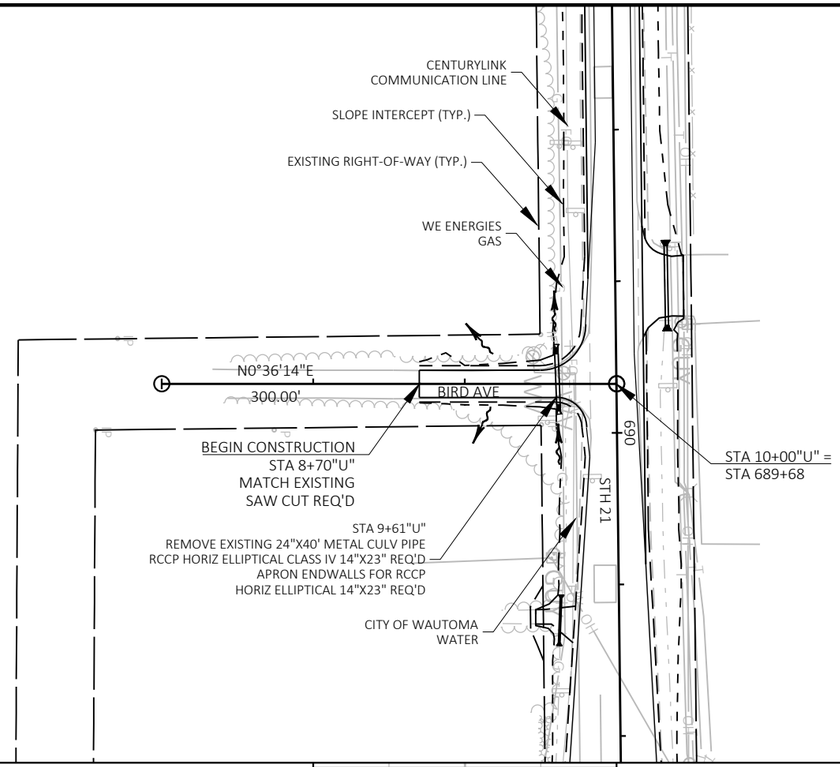
WISDOT/CADDS SHEET 44

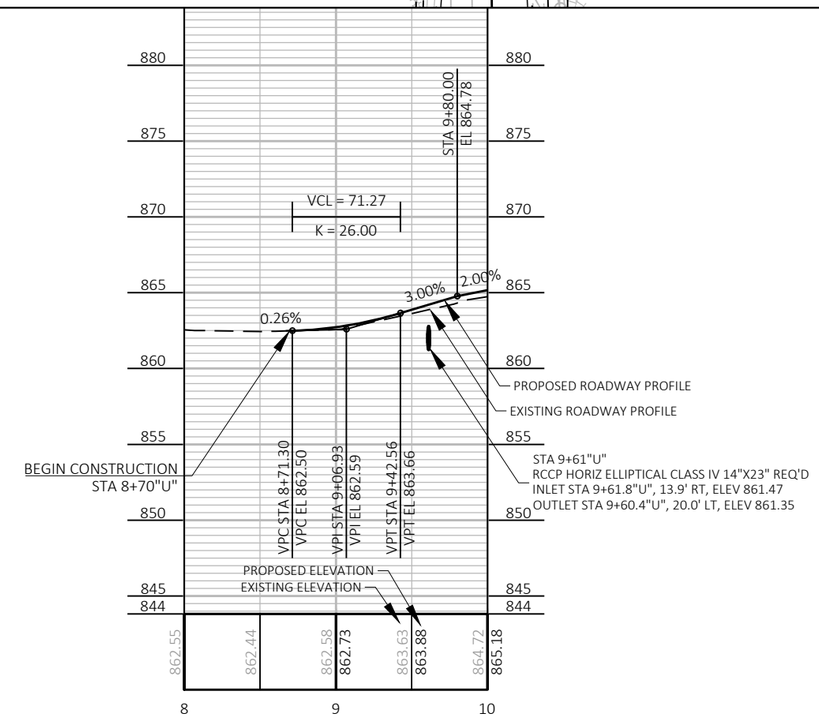


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: BUCKHORN CIR	SHEET 249	E



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: 16TH AVE	SHEET 250	E





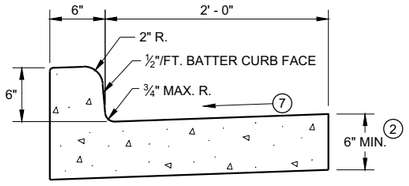
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PLAN AND PROFILE: BIRD AVE	SHEET 251	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 22
PLOT DATE : 10/11/2022 11:58 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

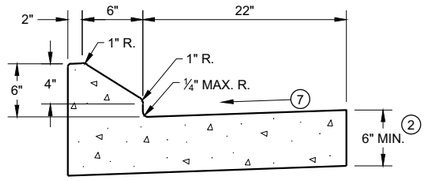
Standard Detail Drawing List

08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F10-02	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
13A08-01	ASPHALTIC RUMBLE STRIPS AT INTERSECTION
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-21A	LONGITUDINAL MARKING (MAINLINE)
15C08-21C	PAVEMENT MARKING (TURN LANES)
15C08-21D	PAVEMENT MARKING (TURN LANES)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

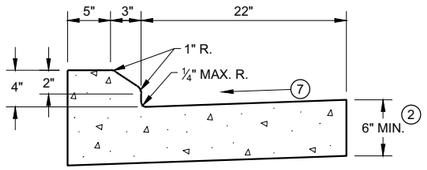
6



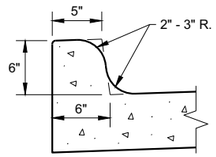
TYPES A (1) & D



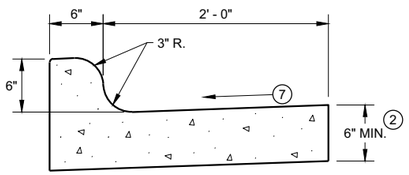
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

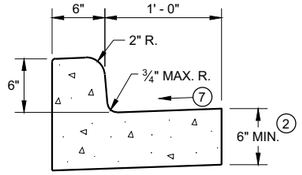


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



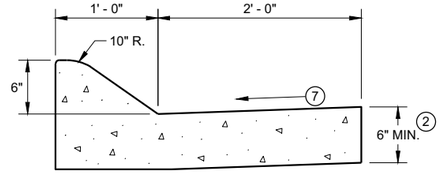
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

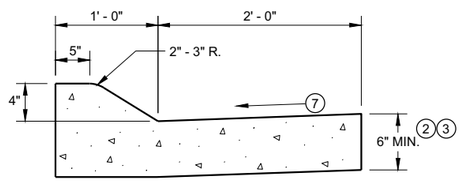


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

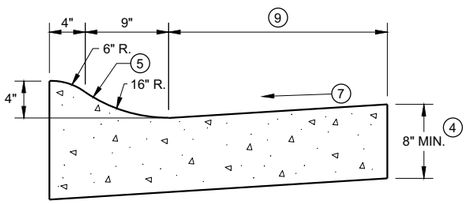


6" SLOPED CURB TYPES A (1) & D



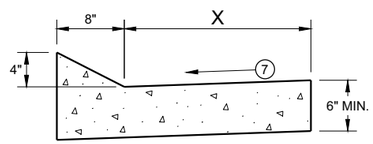
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

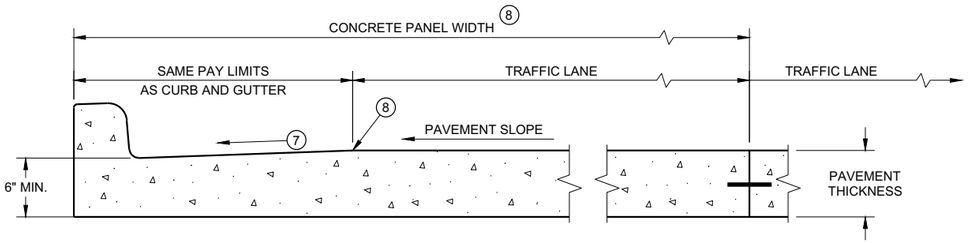


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

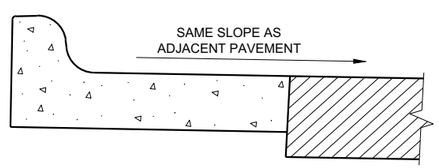
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

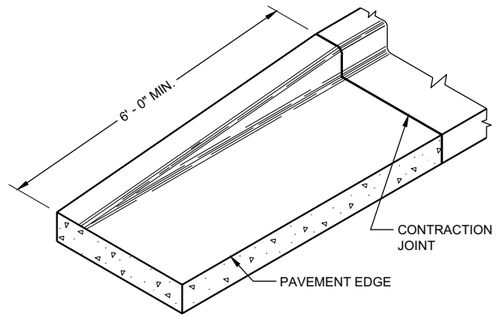
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

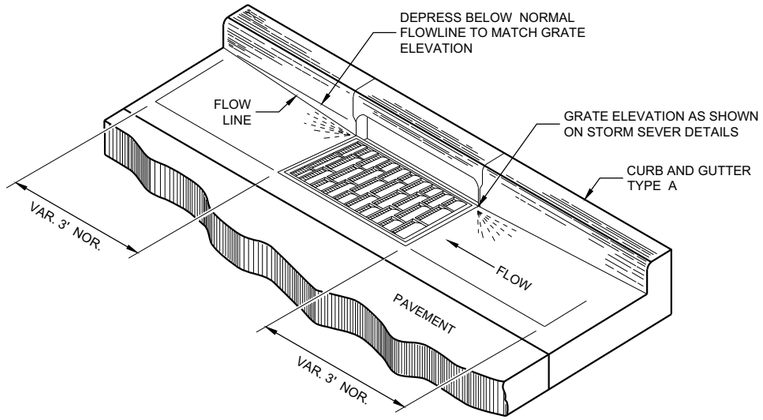
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 22a
SDD 08D01 - 22a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

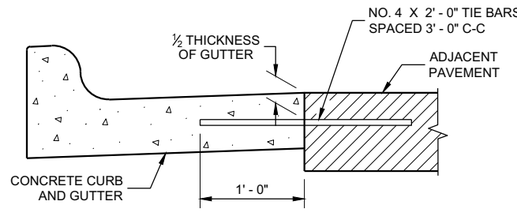
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

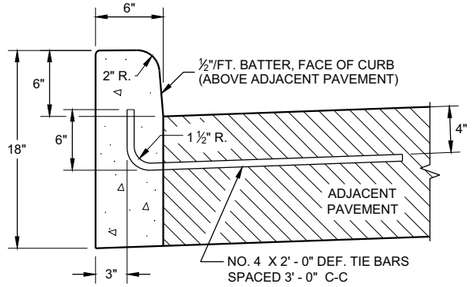
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

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

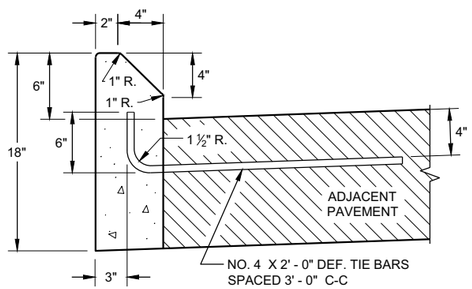
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

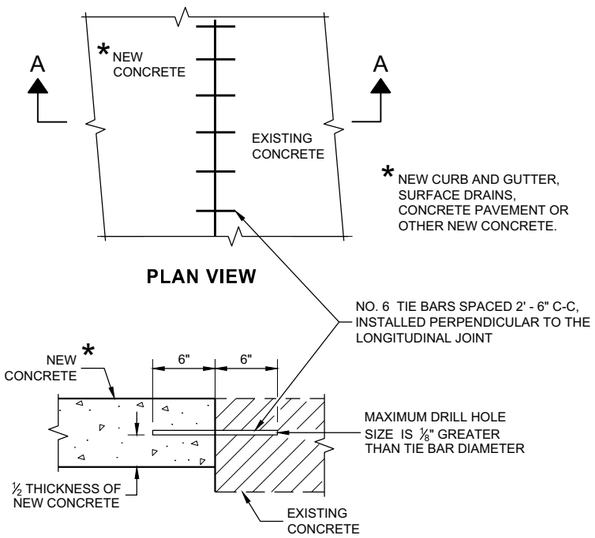


TYPES A (1) & D



TYPES G (1) & J

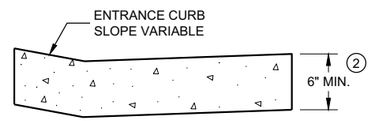
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

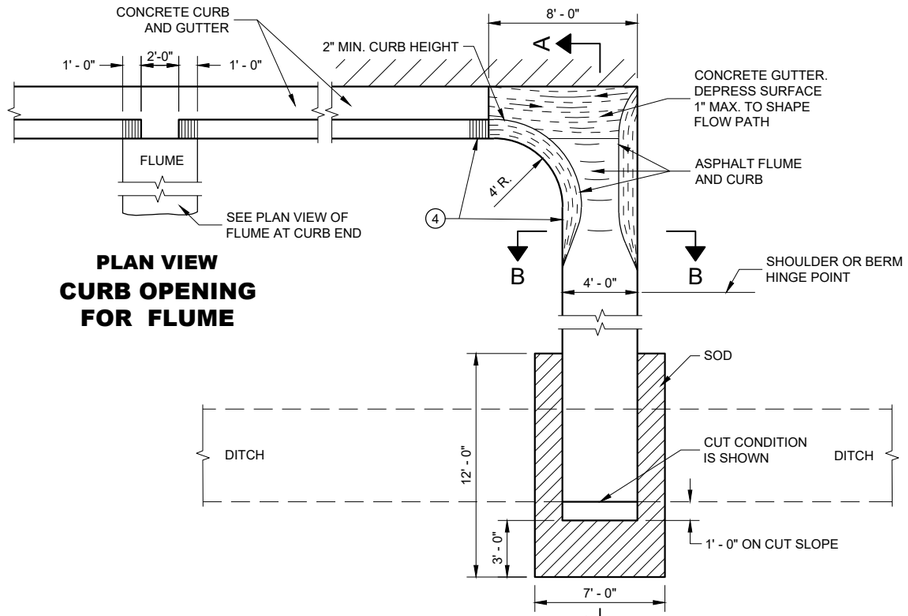
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

SDD08D01 - 22b

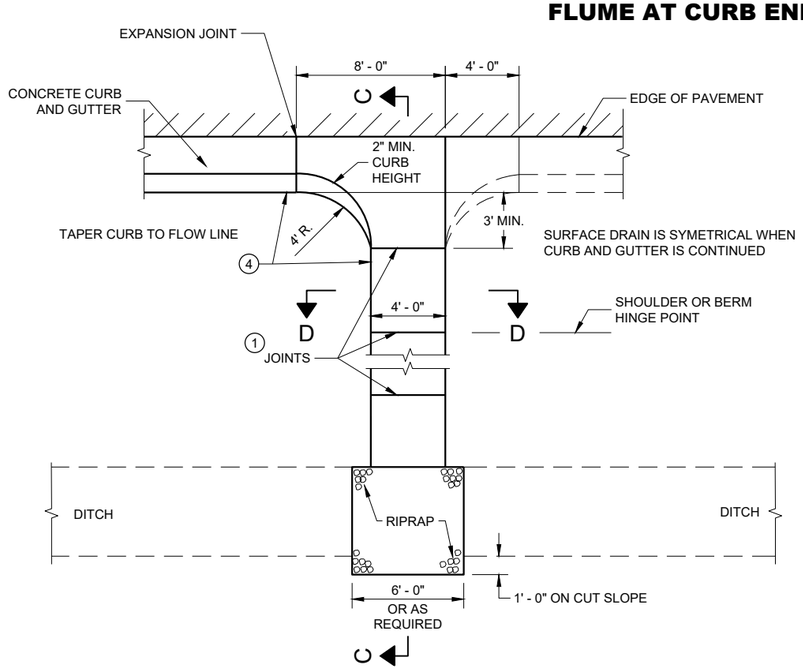
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



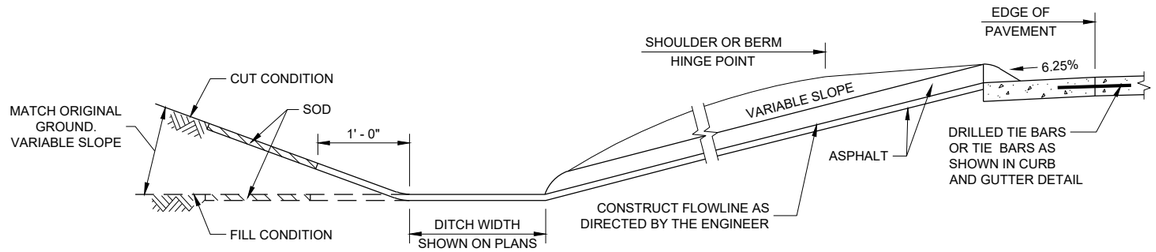
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

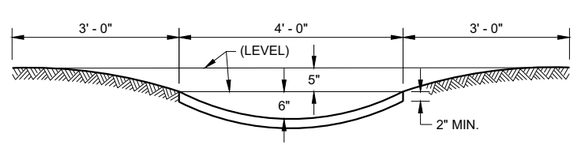
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

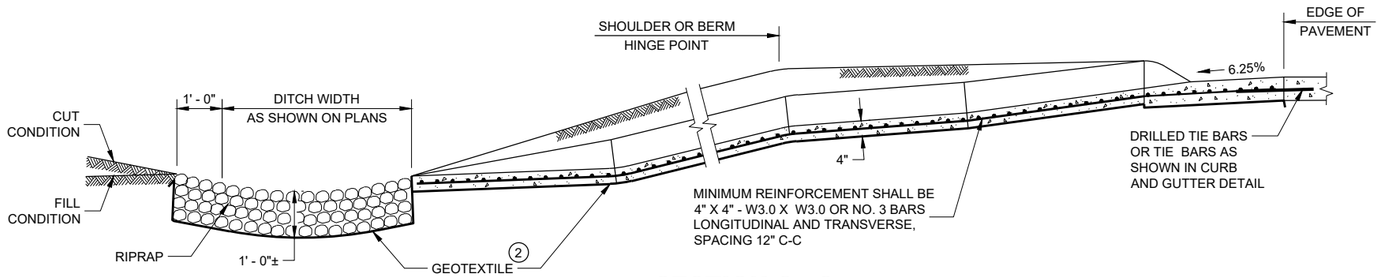
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.



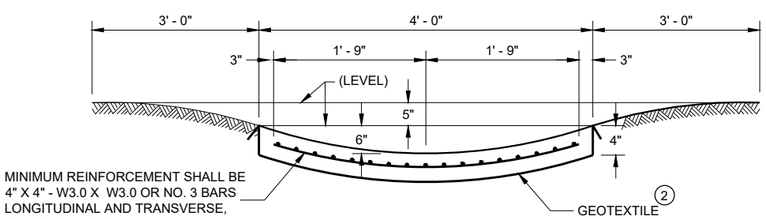
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

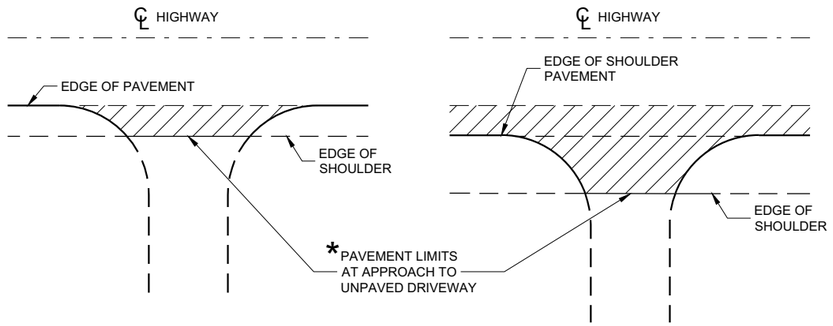
FHWA

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SDD 08D04 - 06

6

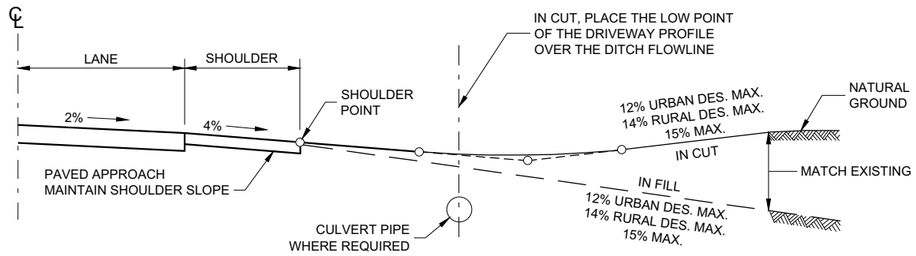
SDD 08D04 - 06



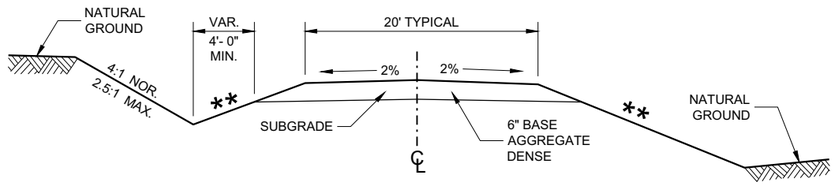
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

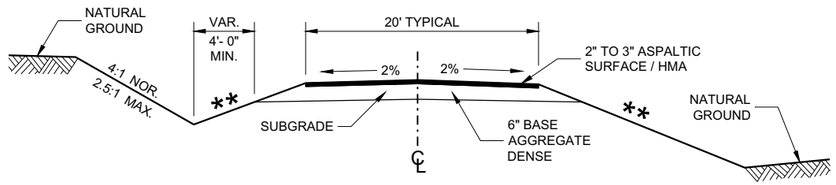


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

6

SDD 08D21 - 01

SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

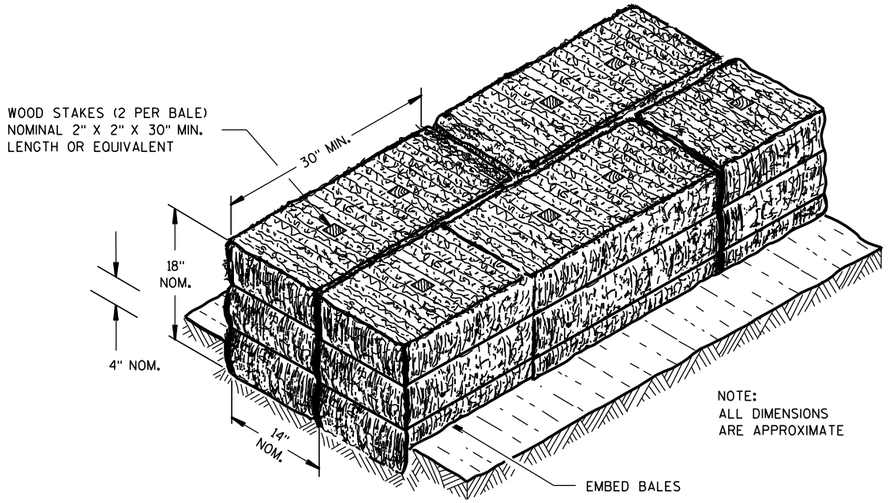
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

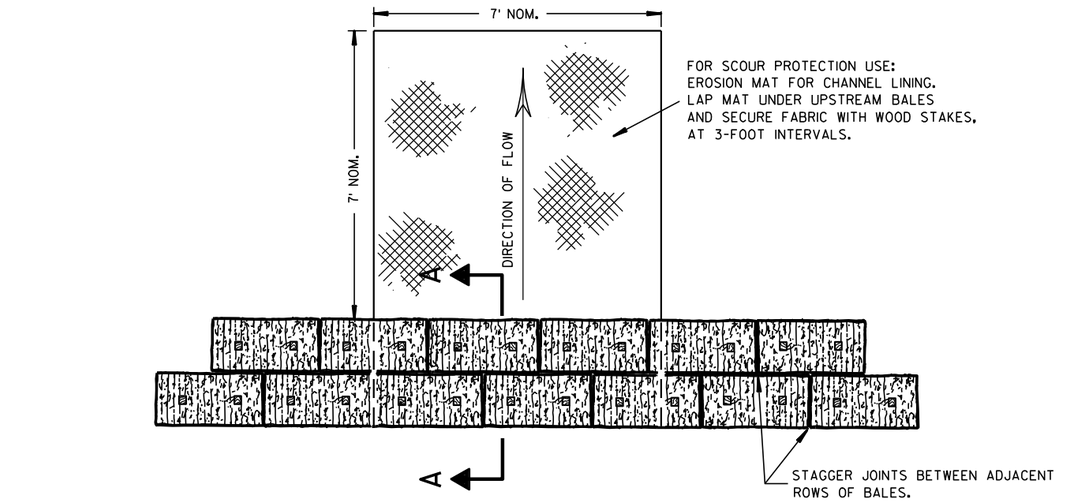
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

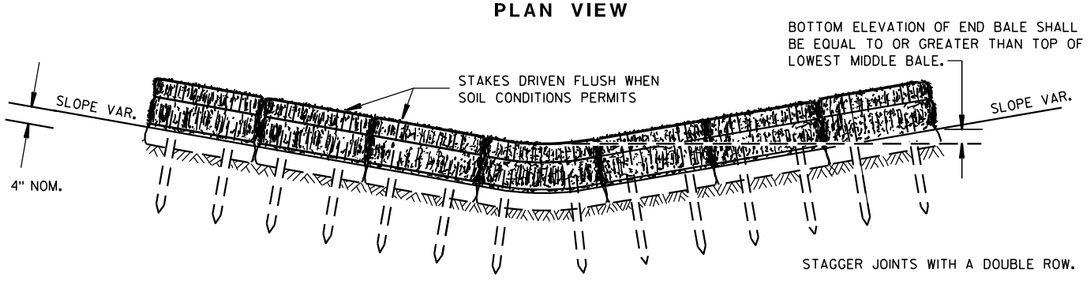
FHWA



SECTION A-A



PLAN VIEW



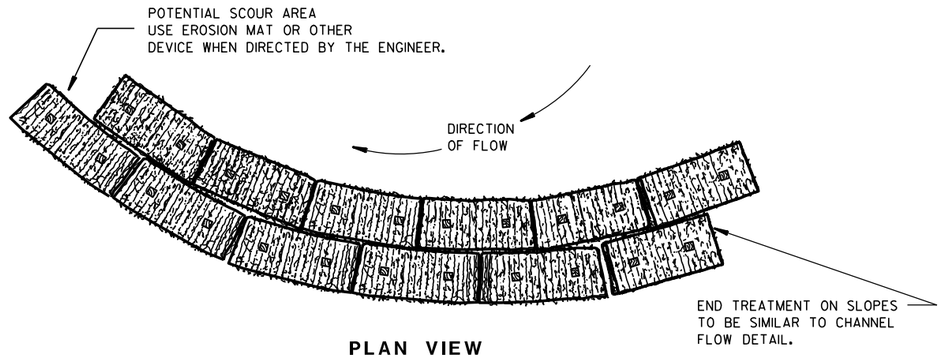
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

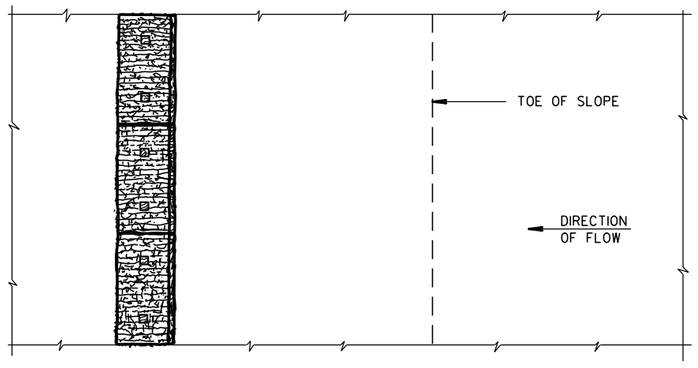
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

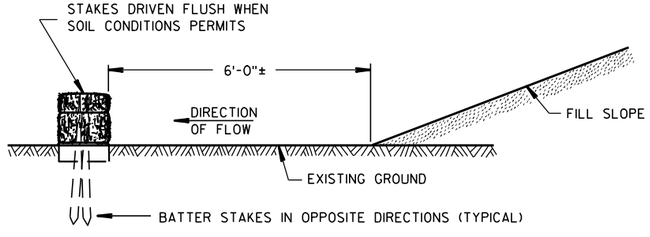


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

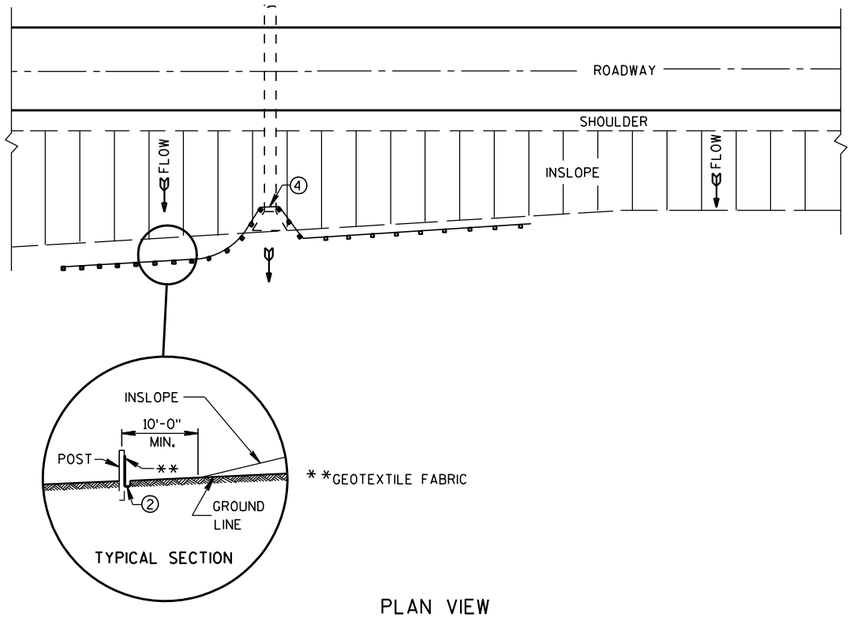
EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

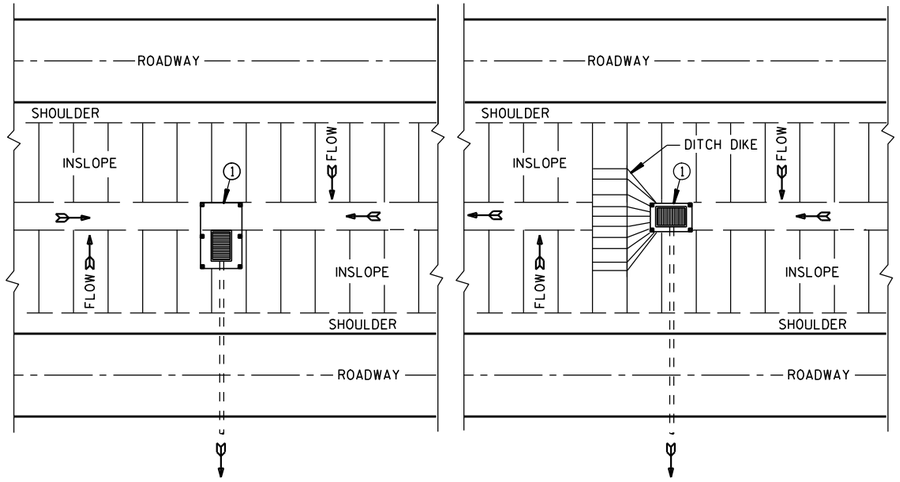
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

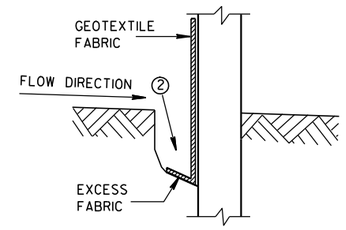
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

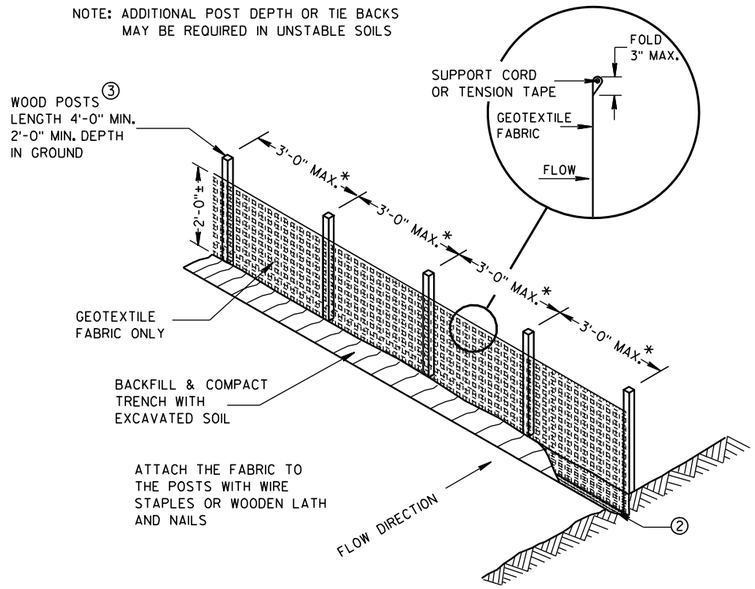
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

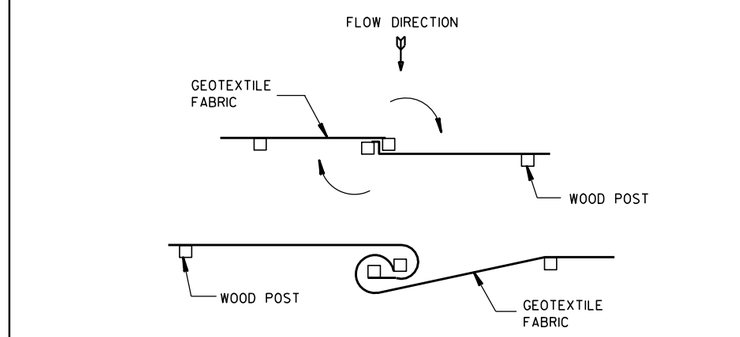


TRENCH DETAIL

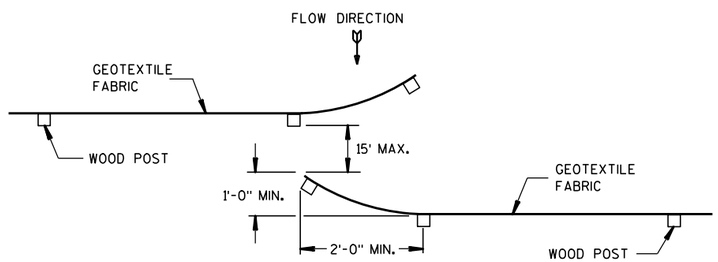


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

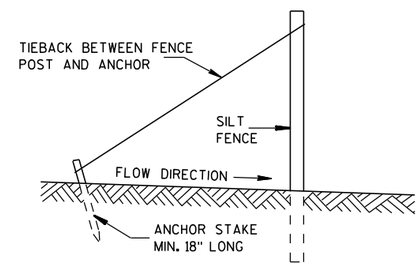


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

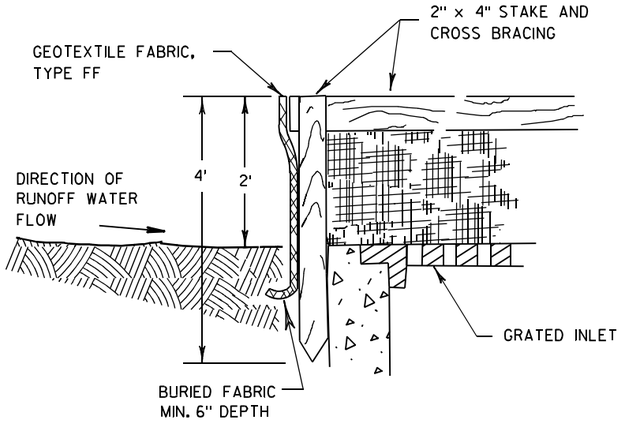
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

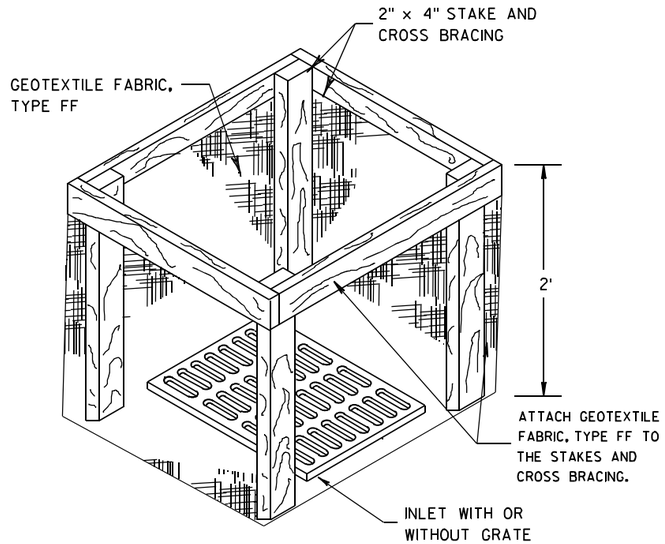
6

S.D.D. 8 E 9-6

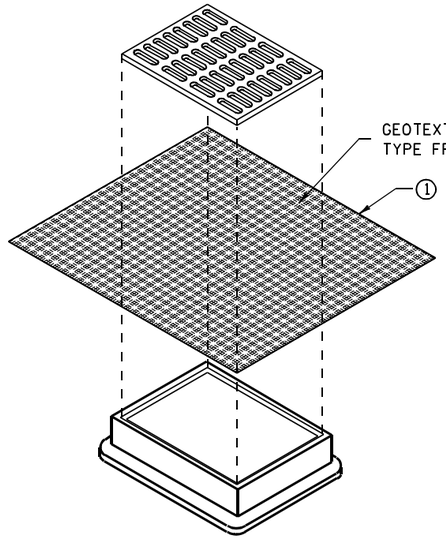
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S.D.D. 8 E 9-6



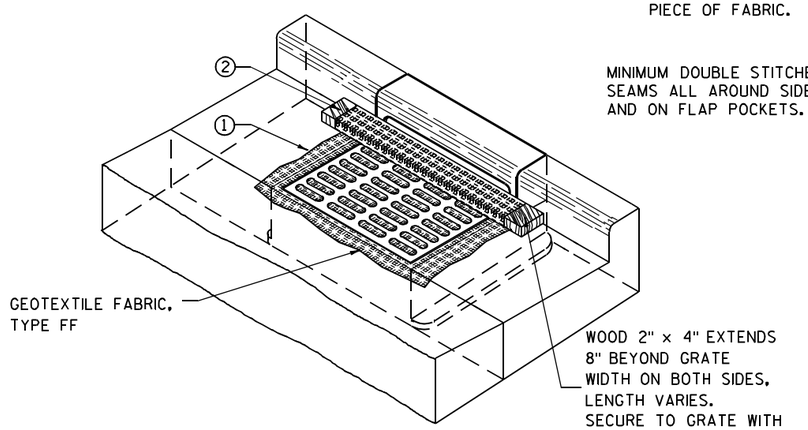


INLET PROTECTION, TYPE A

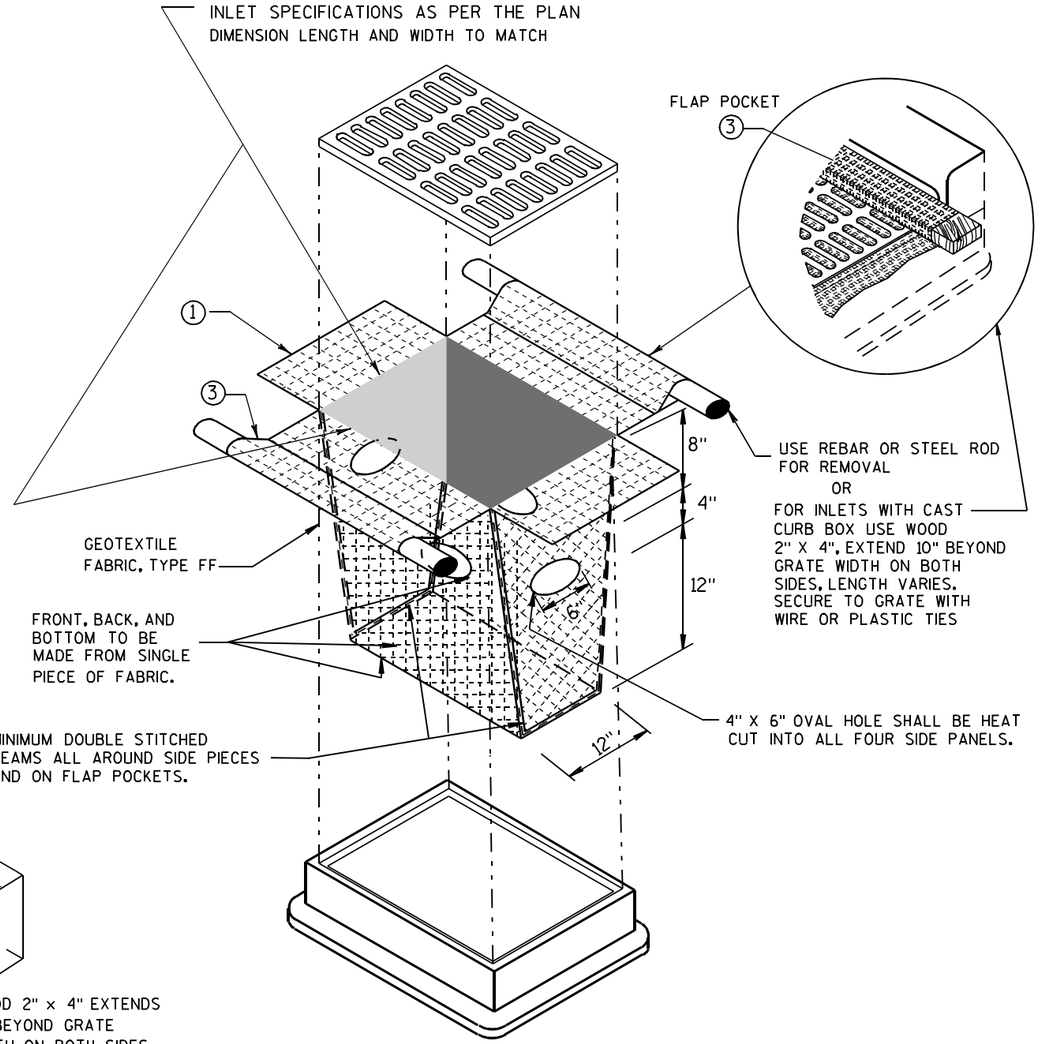


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

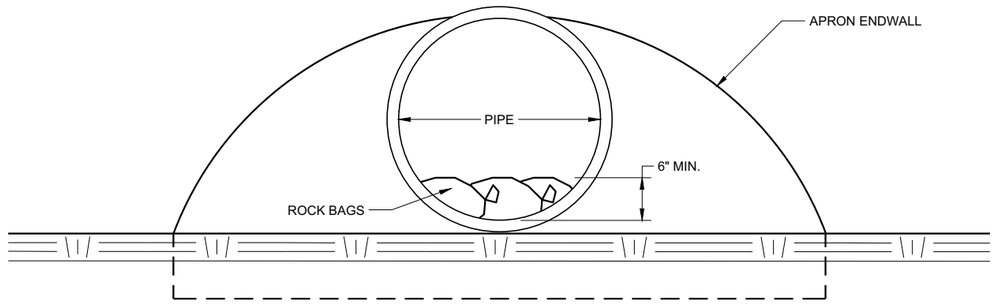
FHWA

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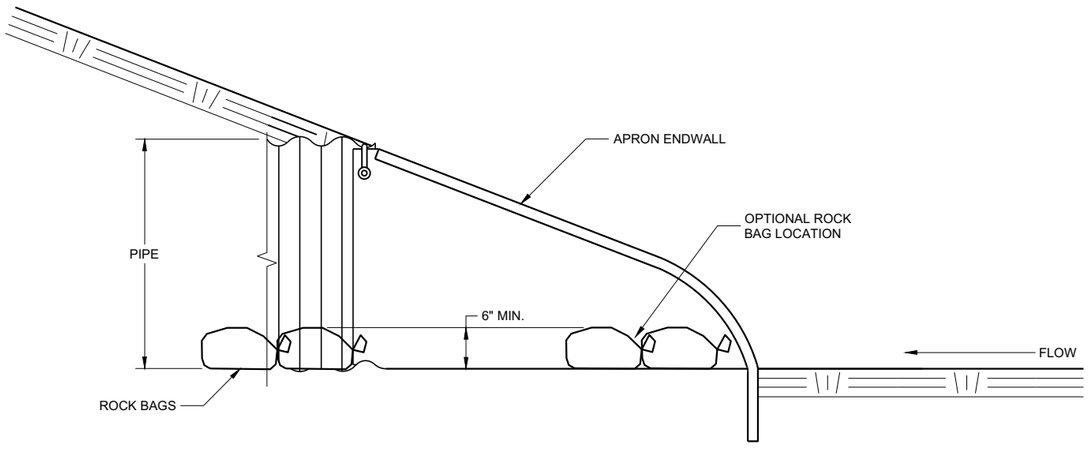
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

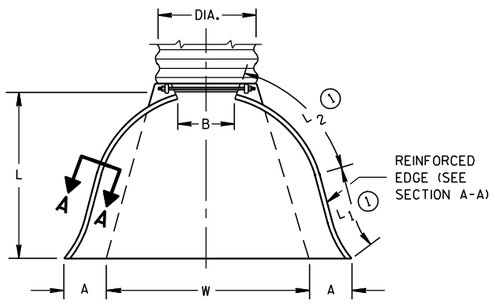
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

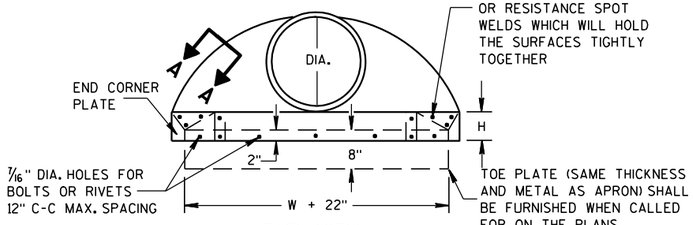
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

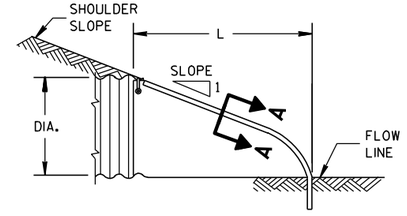
*MINIMUM
**MAXIMUM



PLAN VIEW

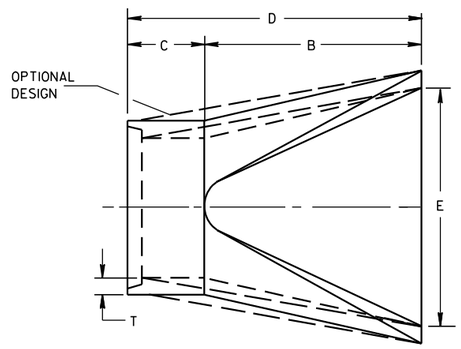


END VIEW

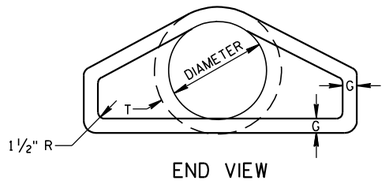


SIDE ELEVATION

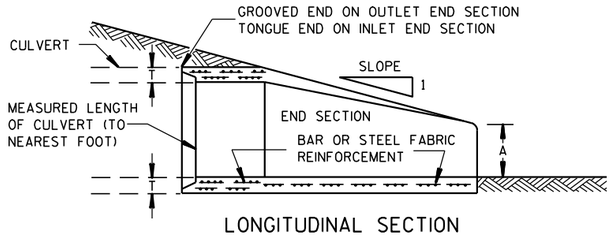
METAL ENDWALLS



PLAN

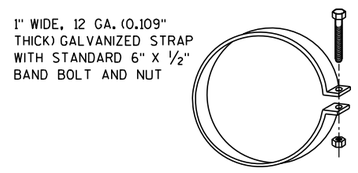


END VIEW



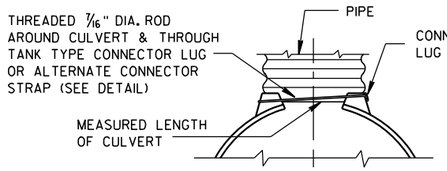
LONGITUDINAL SECTION

CONCRETE ENDWALLS

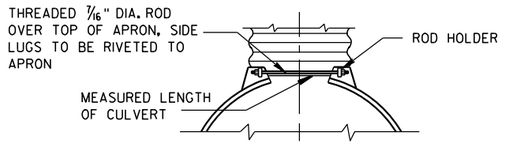


ALTERNATE FOR TYPE 1 CONNECTION

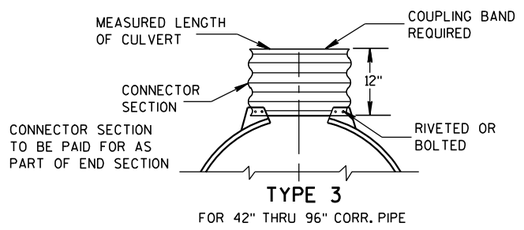
END SECTION CONNECTOR STRAP



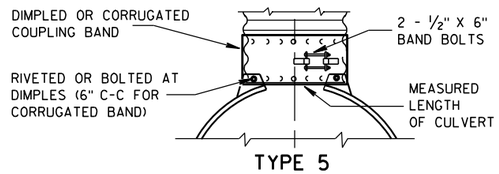
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

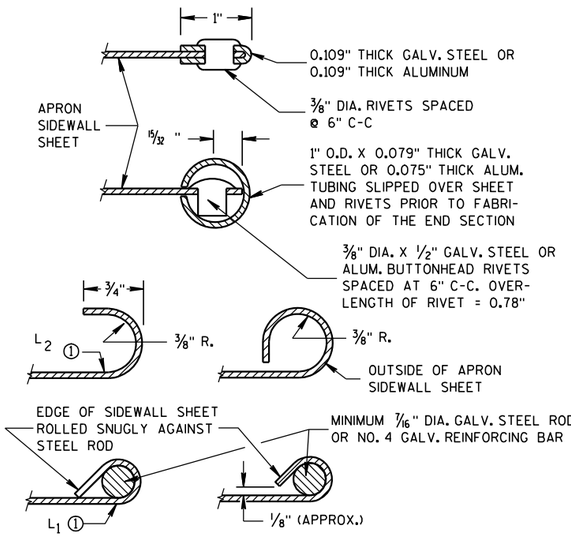
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

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

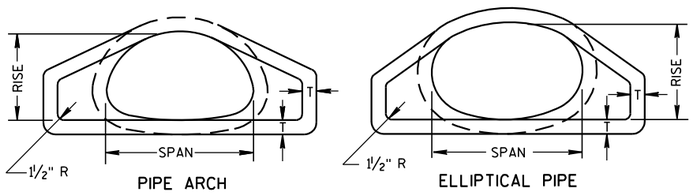
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

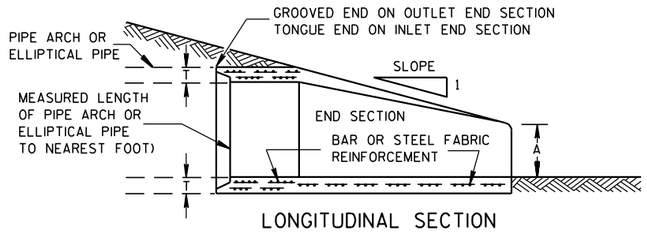
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6
S.D.D. 8 F 1-11



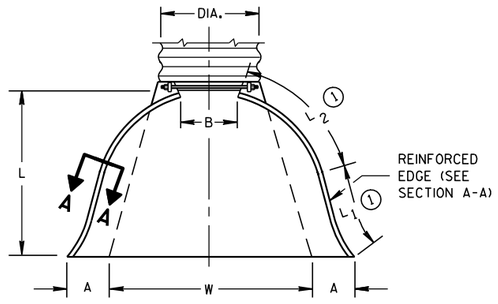
END VIEW



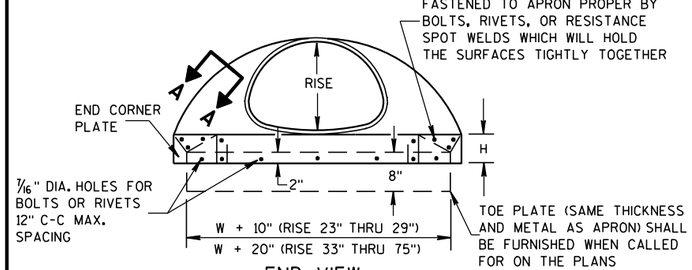
LONGITUDINAL SECTION

PLAN VIEW

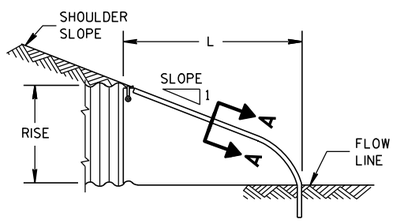
CONCRETE ENDWALLS



PLAN VIEW

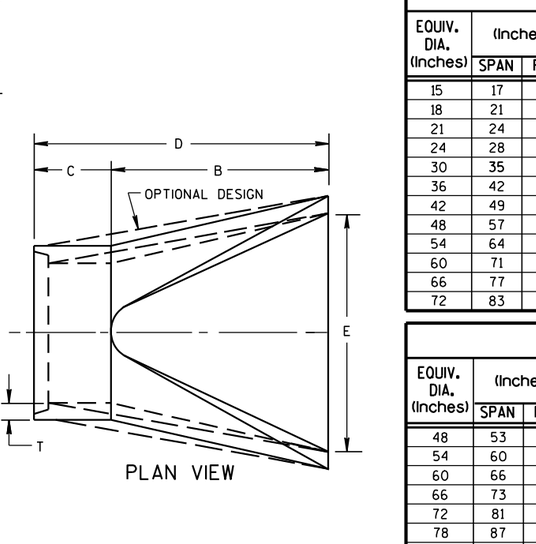


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

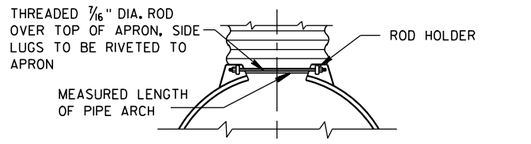
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

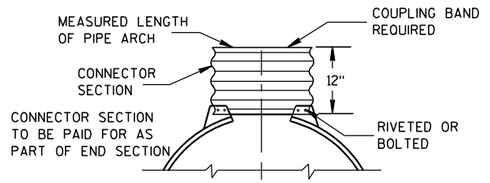
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



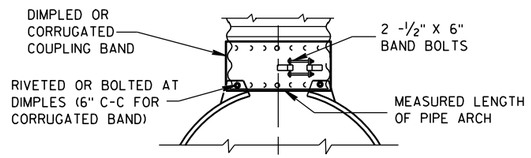
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

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

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

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

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

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

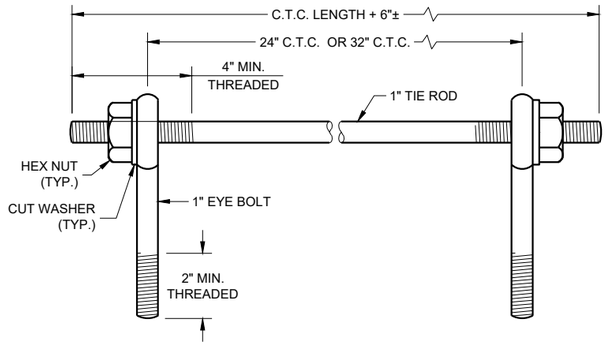
FHWA

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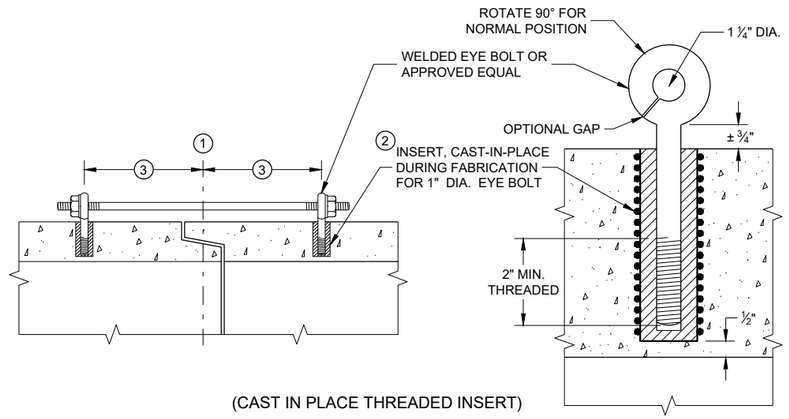
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

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

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

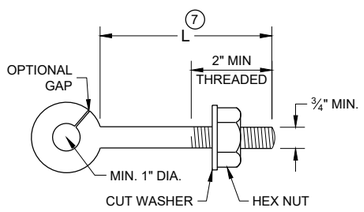
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

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

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

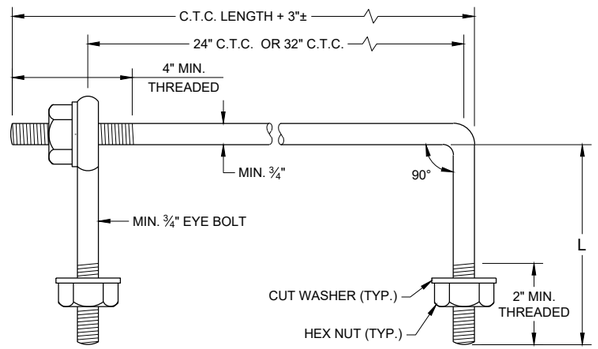
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

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

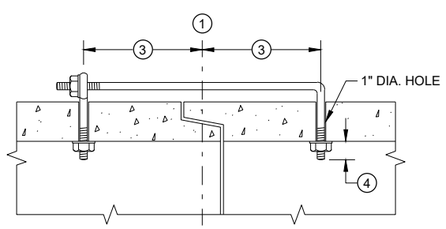


EYE BOLT (7)

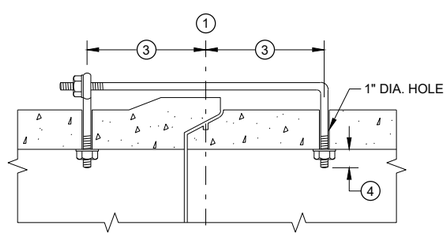
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

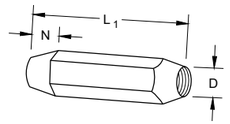
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

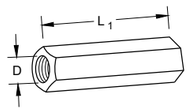
ADJUSTABLE TIE ROD TABLE

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

DIMENSIONS SHOWN ARE IN INCHES



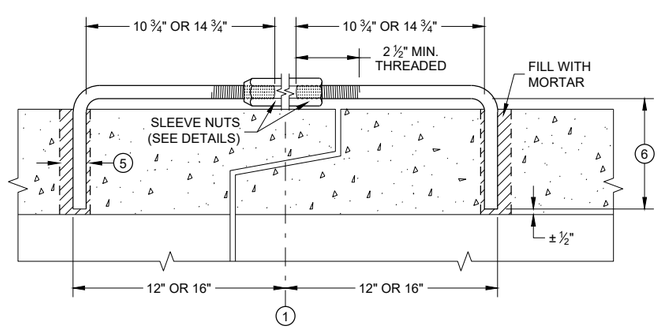
TAPERED



PLAIN

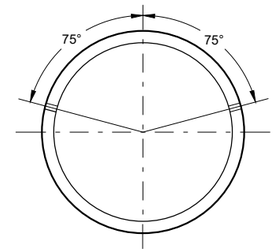
RIGHT AND LEFT THREADS

SLEEVE NUTS



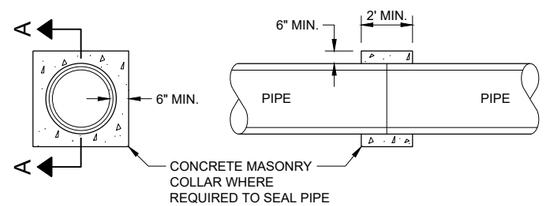
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

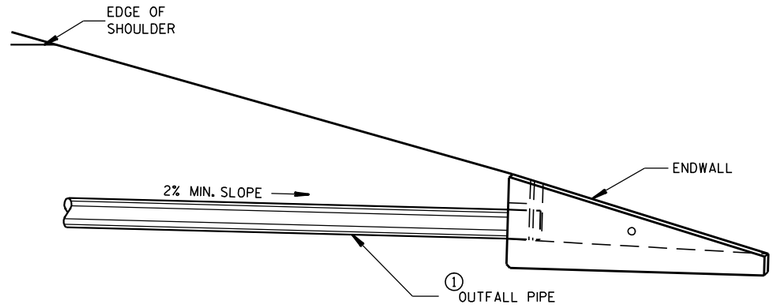
FHWA

SDD 08F04 - 08

SDD 08F04 - 08

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION 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.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

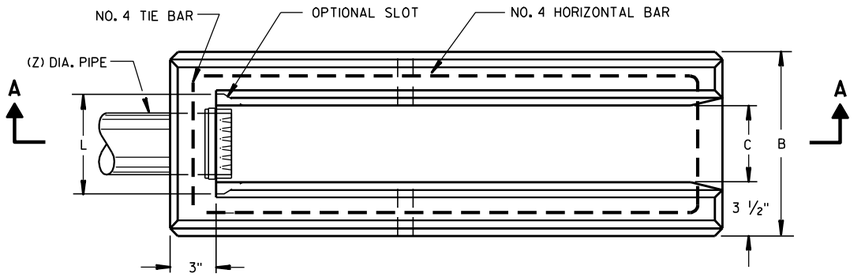
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

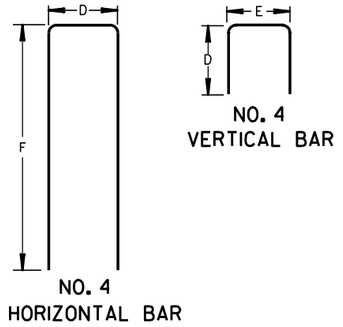
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

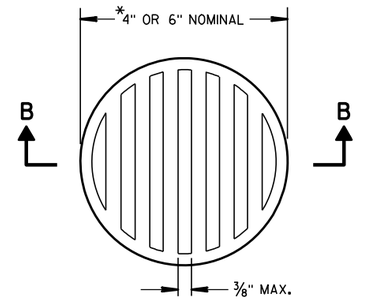
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



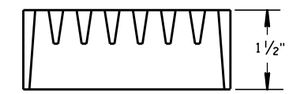
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS



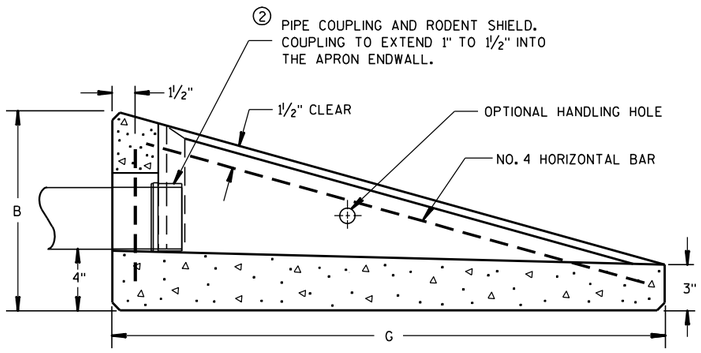
NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.



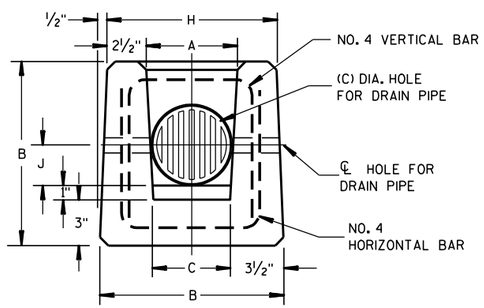
SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.



SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 6-4

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.

FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2' - 0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3' - 0"

(3) LIMITS OF TRENCH BACKFILL

(4) LIMITS OF FOUNDATION BACKFILL

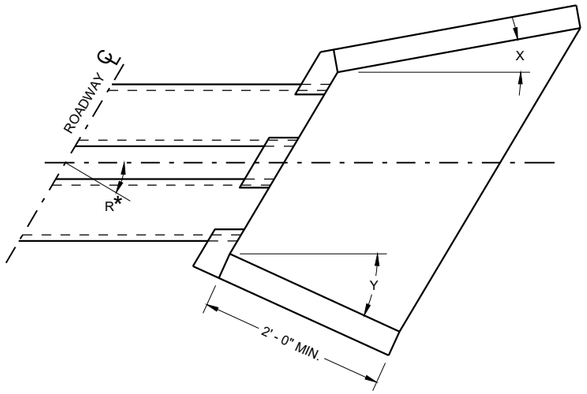
(5) FOUNDATION AND TRENCH BACKFILL ARE MATERIALS INCLUDED IN PAYMENT FOR CULVERT PIPE, PIPE ARCH, CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPSE OR CONCRETE MASONRY ENDWALLS.

(6) DO NOT PLACE FOUNDATION BACK FILL OR ANY OTHER GRANULAR BACKFILL AROUND OR BELOW CUT OFF WALL. POUR CUT OFF WALL AGAINST NATIVE SOIL

(7) MINIMUM HEIGHT SHALL BE THE GREATER OF 1'- 0" OR ¼ HEIGHT OF CULVERT PIPE.

TRENCH BACKFILL

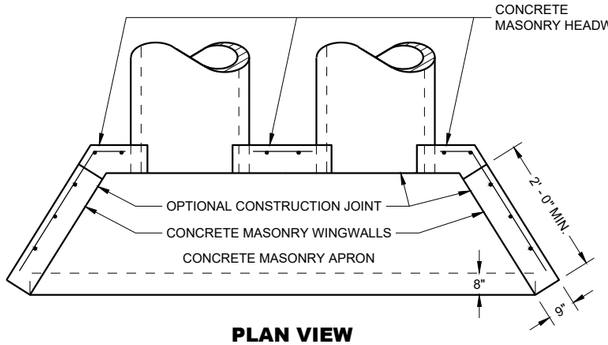
FOUNDATION BACKFILL



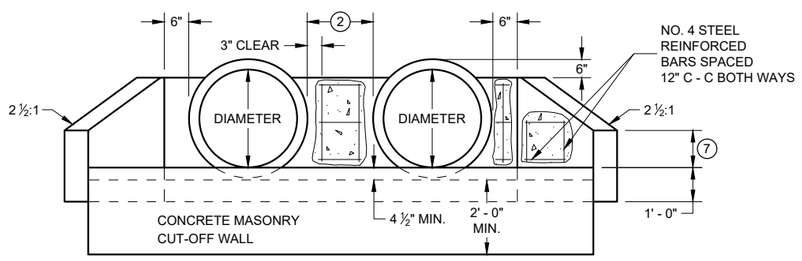
WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	30°	16 - 45°	10°	15°
23 - 37°	20°	30°	46 - 75°	5°	15°
38 - 52°	15°	30°	OVER 75°	0°	15°
53 - 67°	10°	30°			
68 - 82°	5°	30°			
OVER 82°	0°	30°			

R* = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

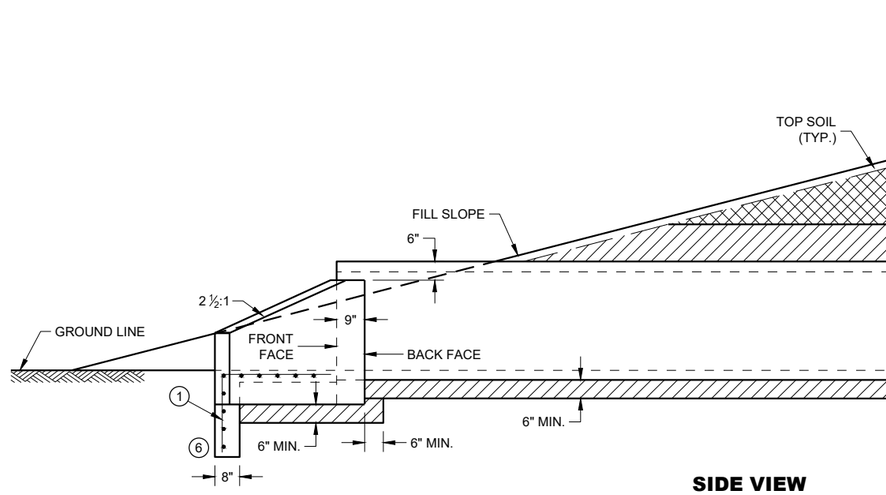


PLAN VIEW



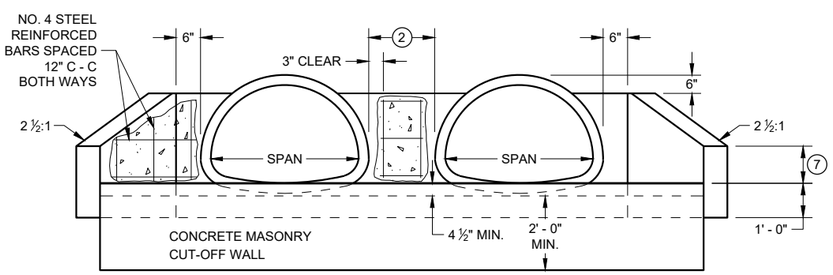
END VIEW

CIRCULAR PIPE



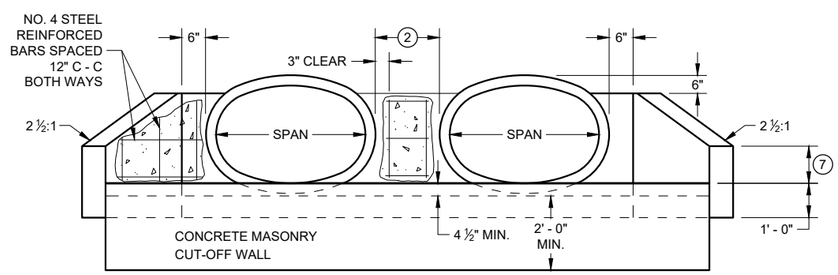
SIDE VIEW

CIRCULAR PIPE, PIPE ARCH OR HORIZONTAL ELLIPSE



END VIEW

PIPE ARCH



END VIEW

HORIZONTAL ELLIPSE

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

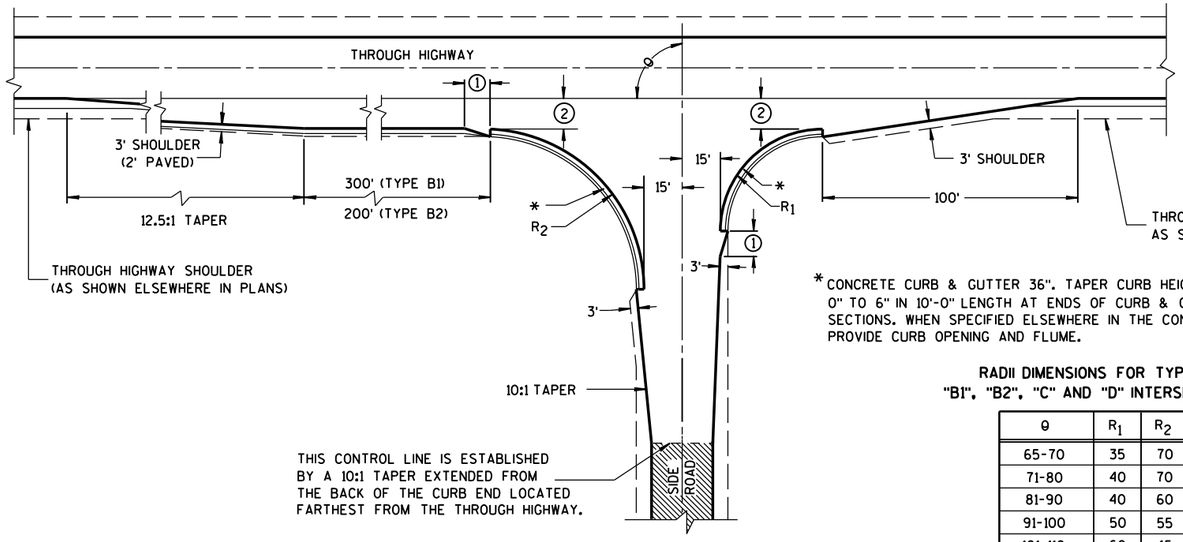
APPROVED
May 2022
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 08F10 - 02

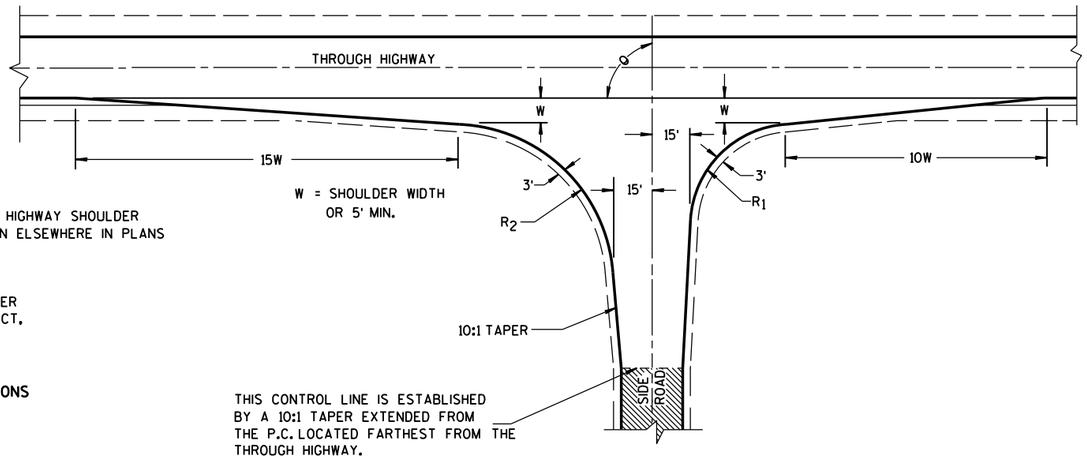


TYPE "B1" AND "B2"

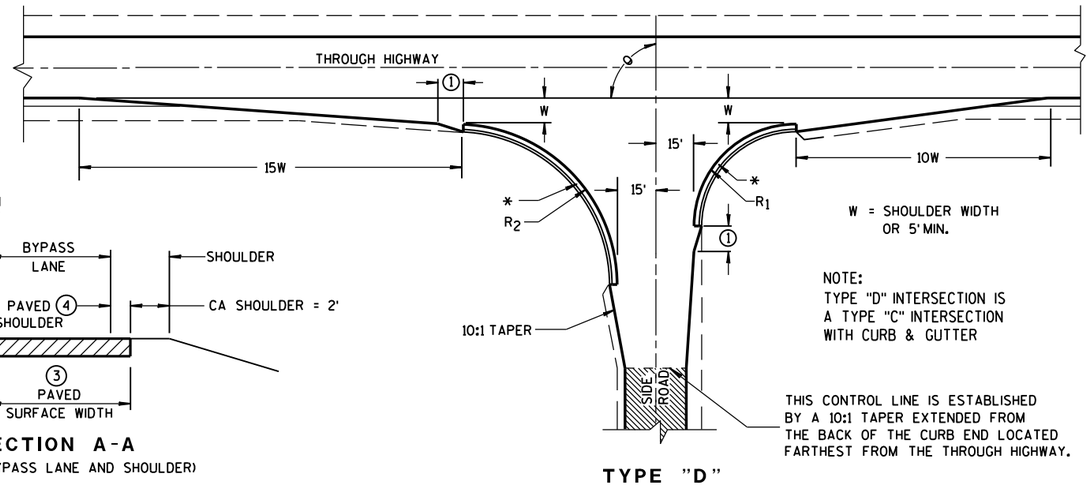
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

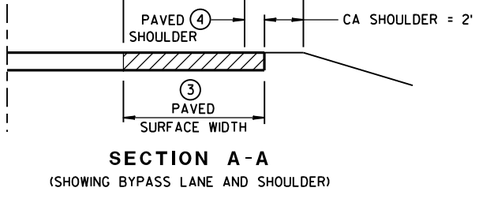
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

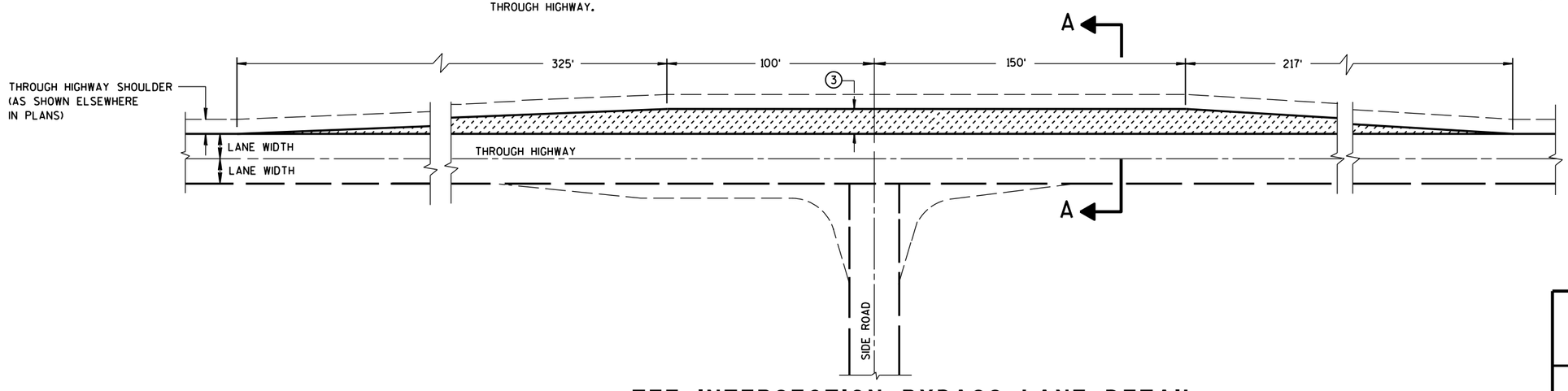
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



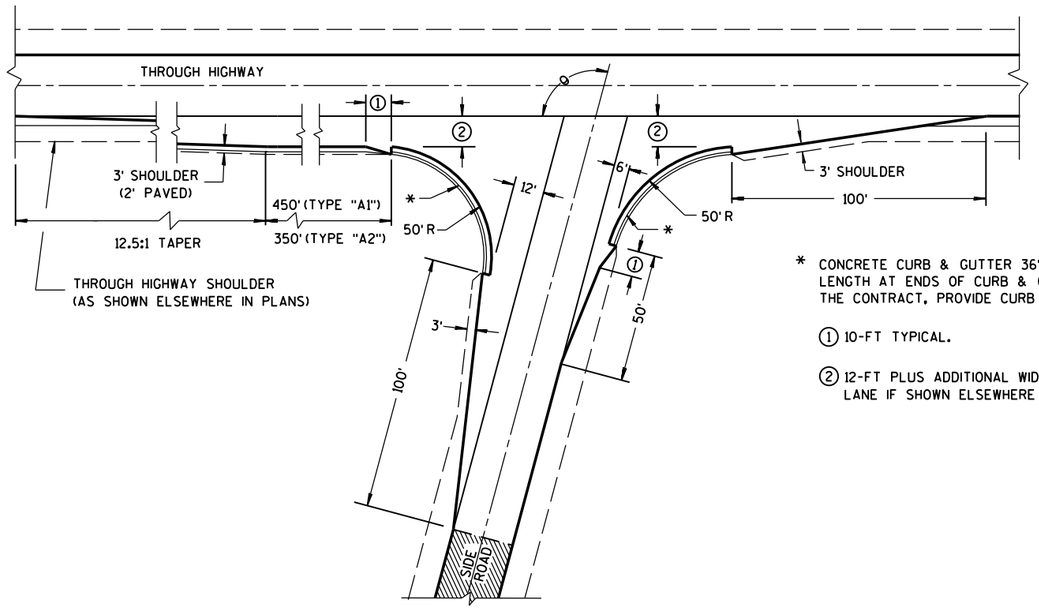
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

S.D.D. 9 A 1-13a



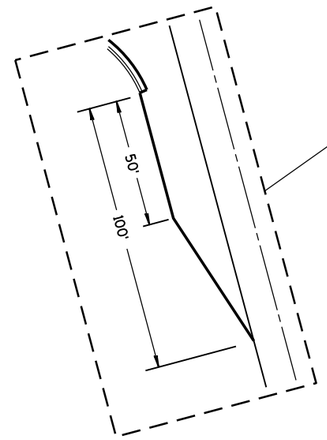
θ = MORE THAN 80°

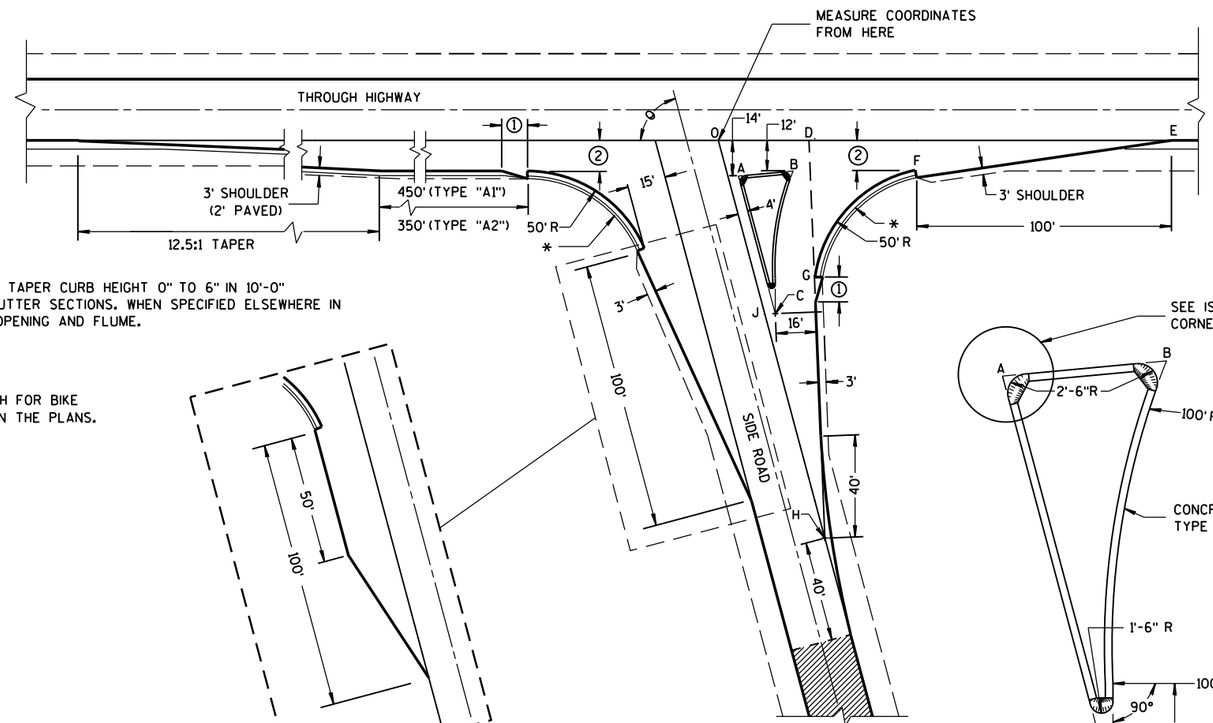
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

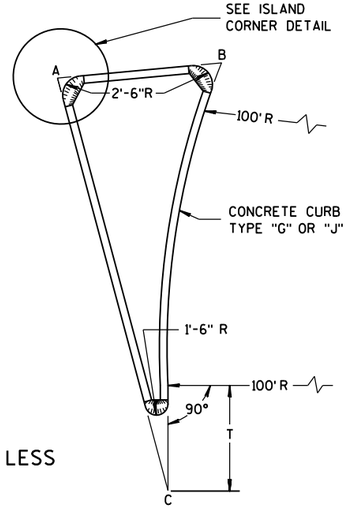
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE

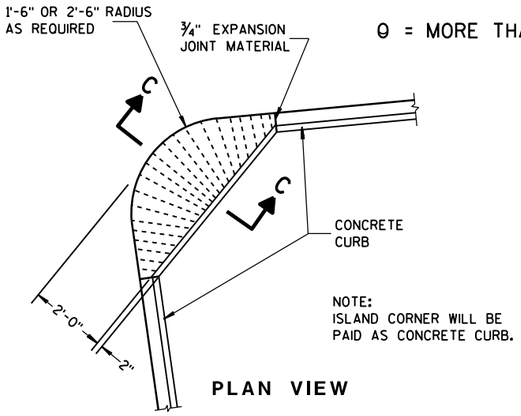




θ = ACUTE ANGLES 80° OR LESS

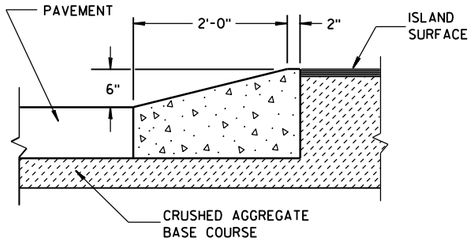


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS



NOTE:
ISLAND CORNER WILL BE PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

TABLE OF DIMENSIONS FOR VARIABLE SIDE ROAD INTERSECTION ANGLES

(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS

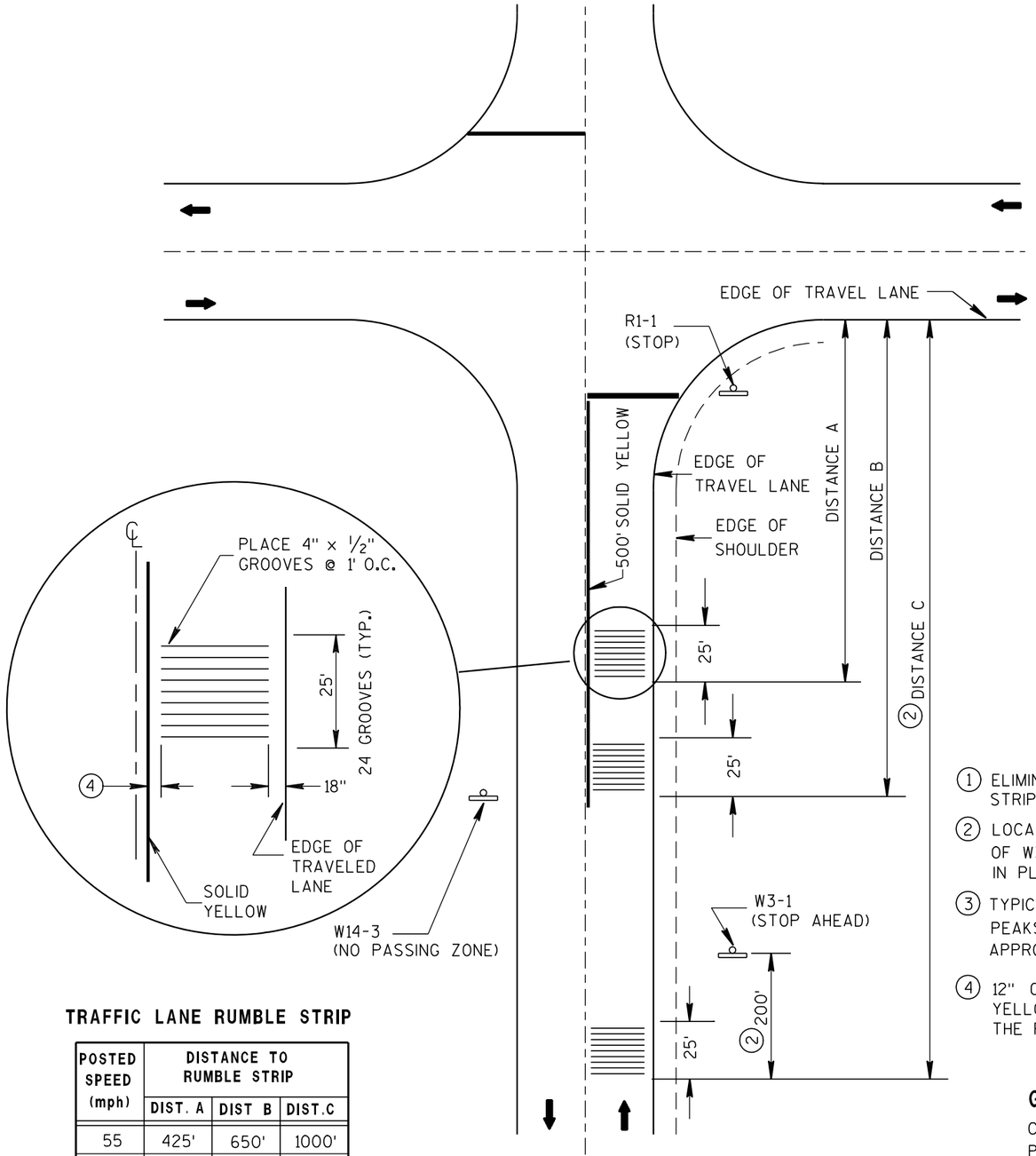
AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 9 A 1-13b



ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

PLAN VIEW

RUMBLE STRIP LOCATION

TRAFFIC LANE RUMBLE STRIP

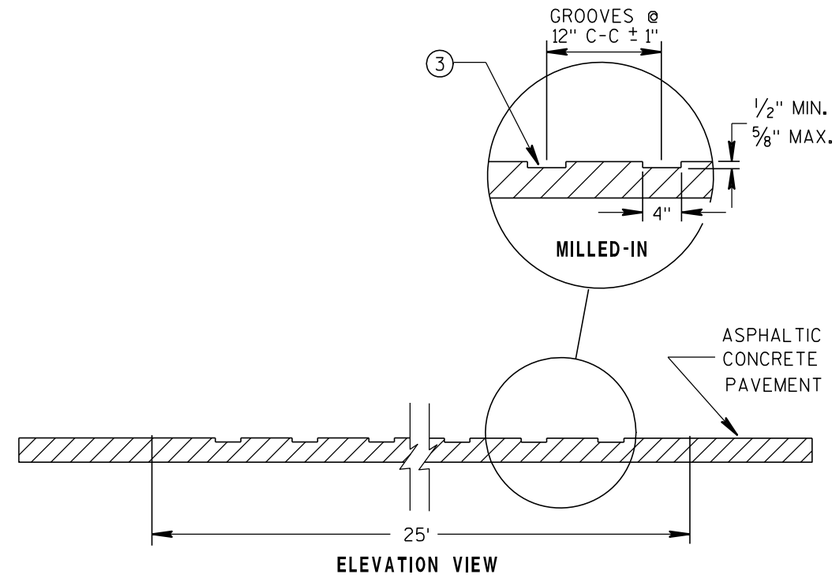
POSTED SPEED (mph)	DISTANCE TO RUMBLE STRIP		
	DIST. A	DIST B	DIST.C
55	425'	650'	1000'
50	325'	450'	800'
45	275'	400'	650'
40	225'	(1)	550'
35	175'	(1)	475'
≤ 30	125'	(1)	425'

(1) ELIMINATE THE MIDDLE SET OF RUMBLE STRIPS.

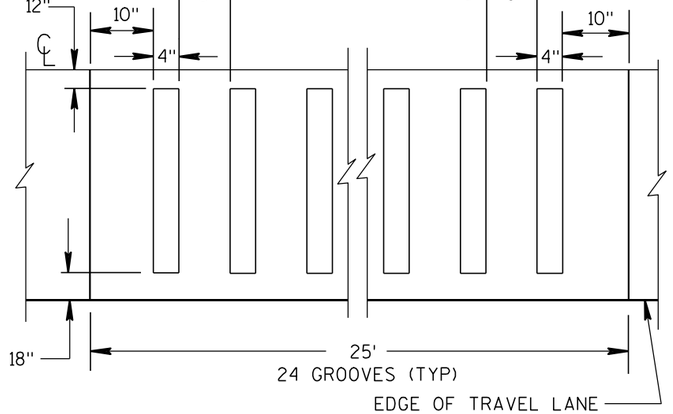
(2) LOCATE RUMBLE STRIP 200' IN ADVANCE OF W3-1 SIGN AS SHOWN. IF W3-1 IS NOT IN PLACE, USE DISTANCE C.

(3) TYPICAL VERTICAL VARIATION BETWEEN PEAKS AND VALLEYS WITHIN THE CUT APPROXIMATELY 1/16"

(4) 12" CLEAR BETWEEN THE SOLID YELLOW LINE AND THE EDGE OF THE RUMBLE.



ELEVATION VIEW



PLAN VIEW

ASPHALTIC PAVEMENT MILLED-IN

GENERAL NOTES

CONTRACTOR SHALL CONFIRM RUMBLE STRIP LOCATION WITH THE ENGINEER PRIOR TO INSTALLATION. THE ENGINEER MAY MODIFY THE RUMBLE STRIP LOCATION AS FIELD CONDITIONS DICTATE.

WHEN ASPHALTIC PAVEMENT IS NEW IN THE RUMBLE AREA THE CONTRACTOR SHALL ALLOW THE PAVEMENT TO CURE A MINIMUM OF 7 DAYS PRIOR TO RUMBLE INSTALLATION.

PAVEMENT MARKING AND SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

ASPHALTIC RUMBLE STRIPS AT INTERSECTION

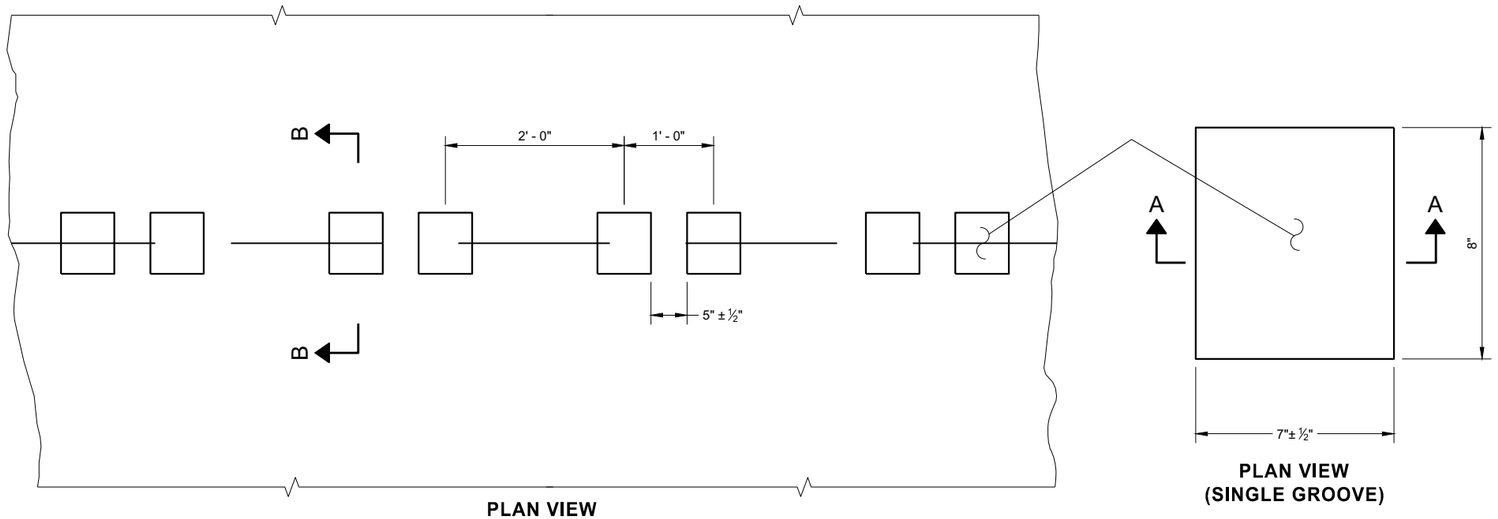
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/17/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

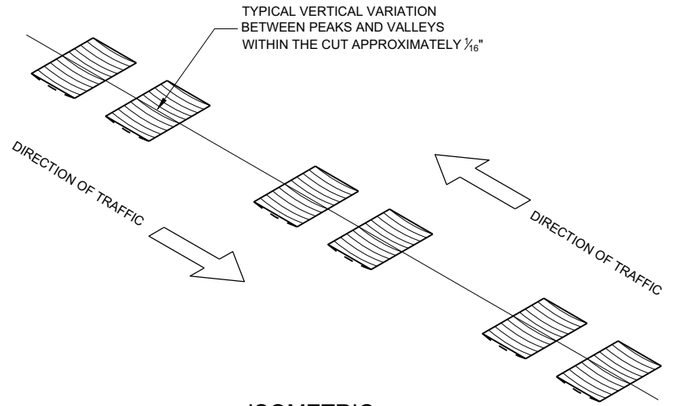
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

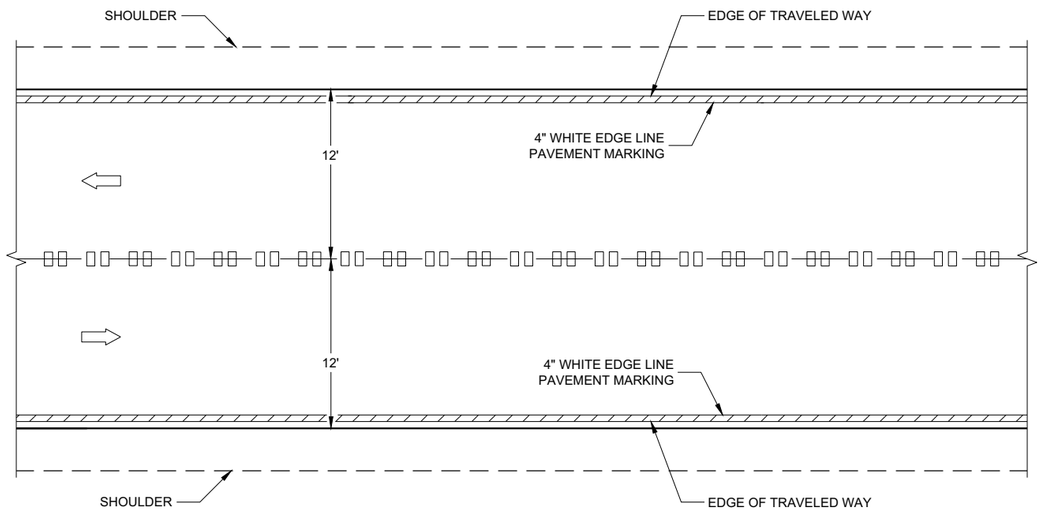
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

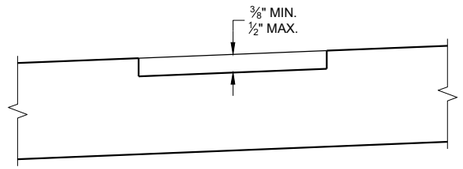
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



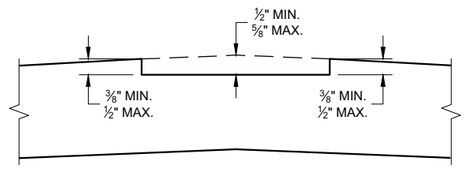
ISOMETRIC



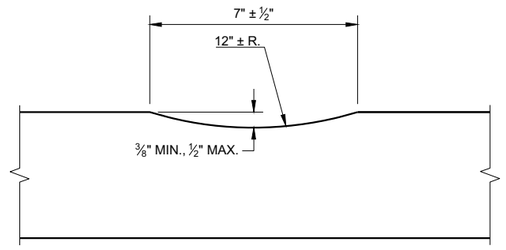
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



SECTION A - A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

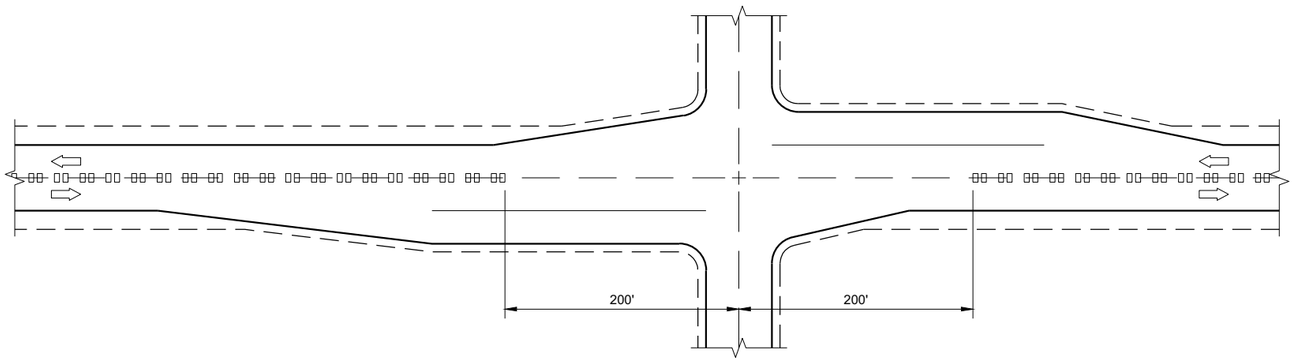
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

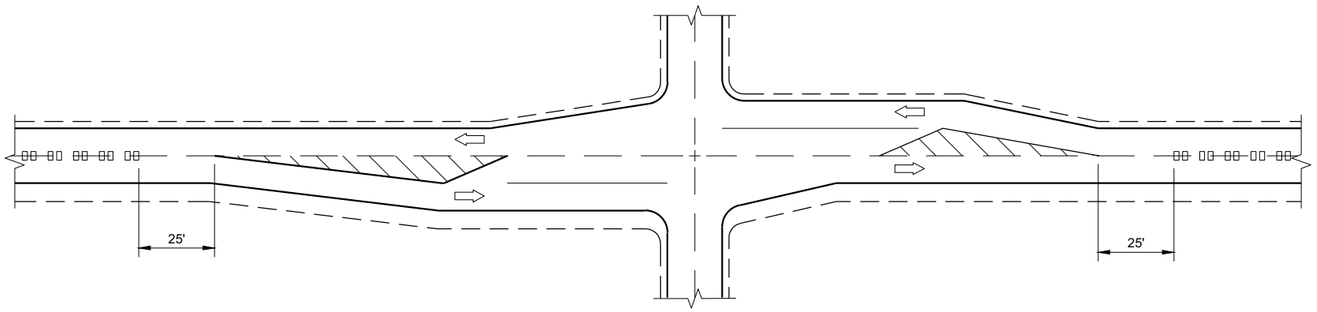
SDD 13A11 - 03a

6

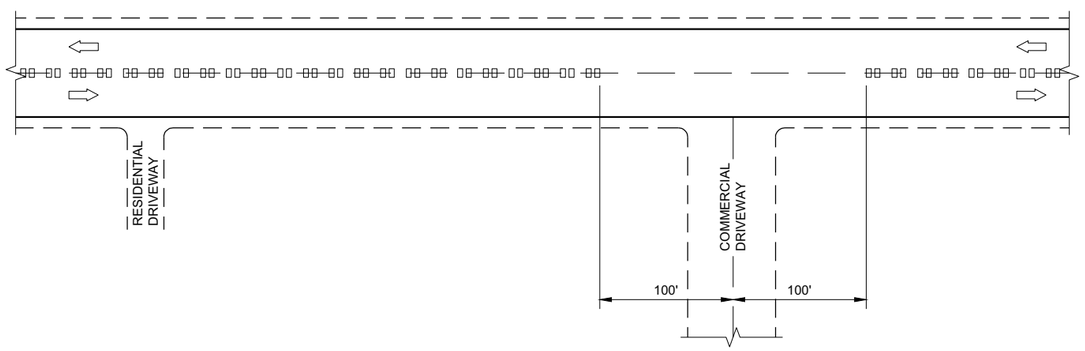
SDD 13A11 - 03a



CENTERLINE GROOVES AT INTERSECTIONS



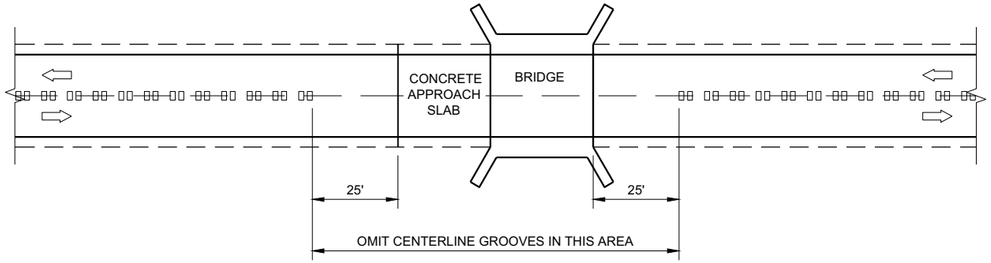
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



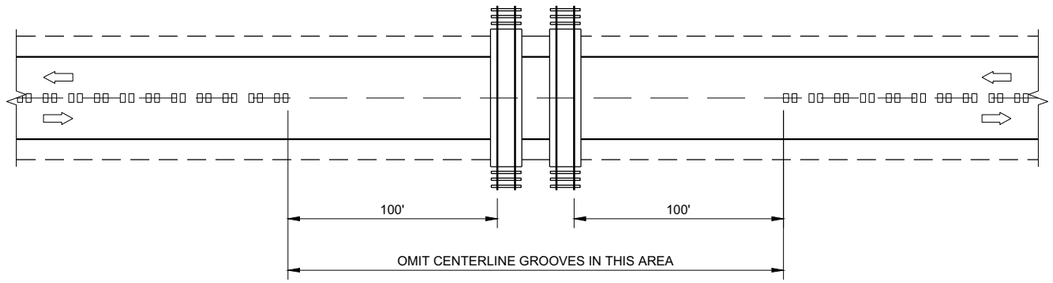
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

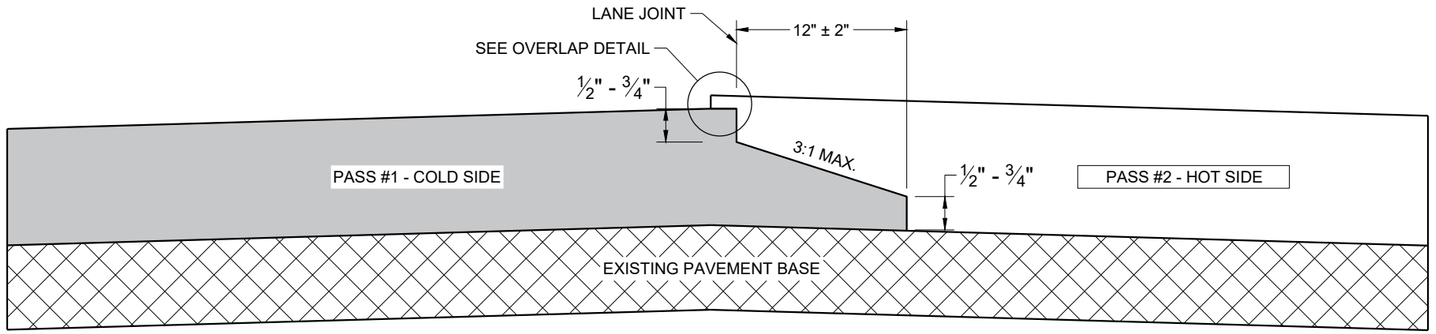
2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

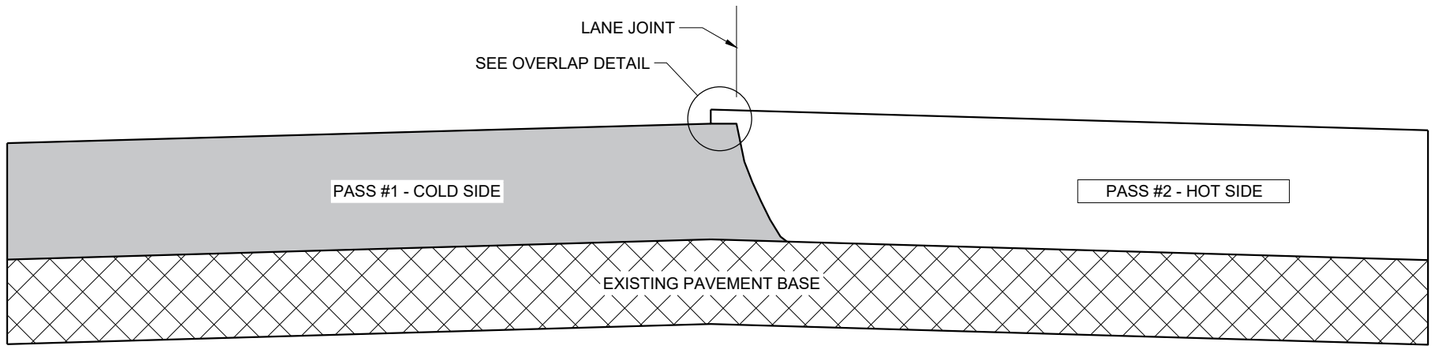
APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

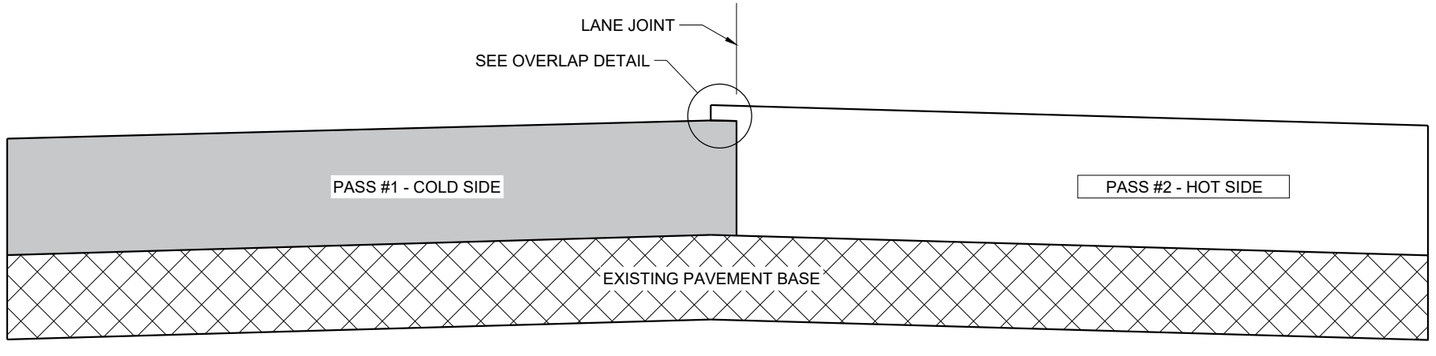
6
SDD13A11 - 03b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

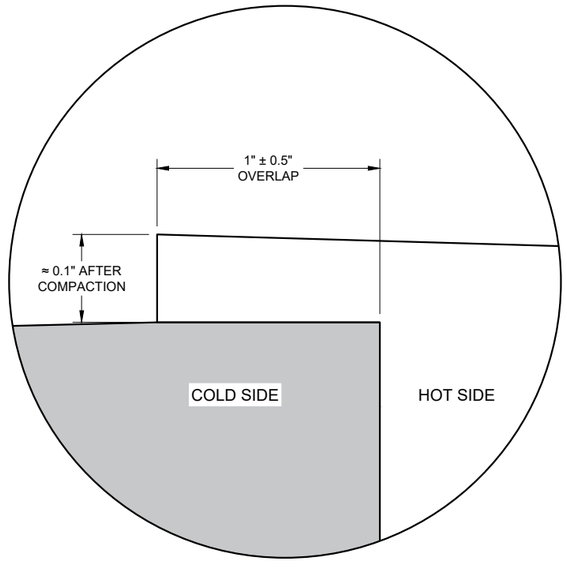
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

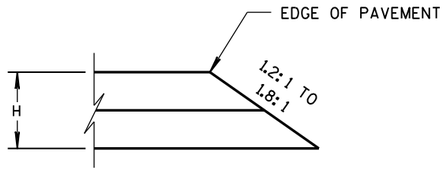
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

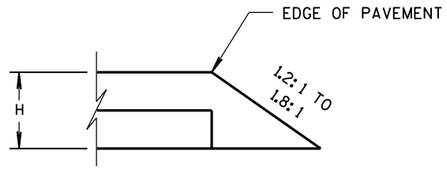
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



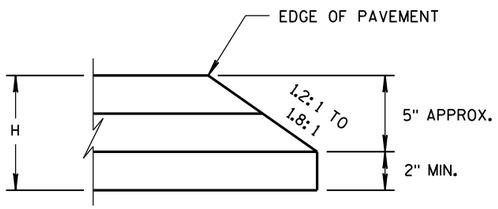
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



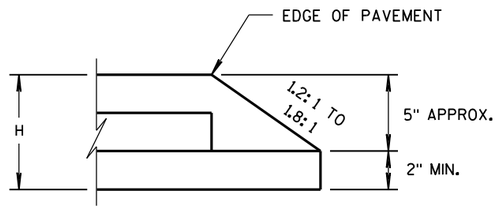
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

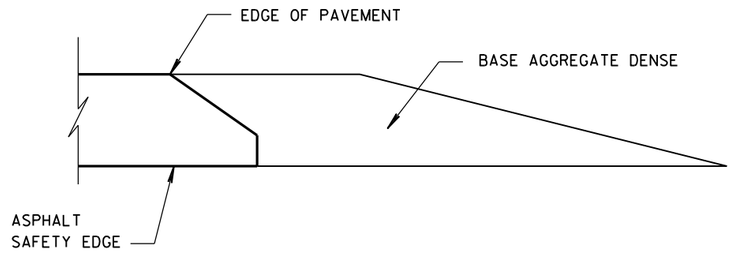
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

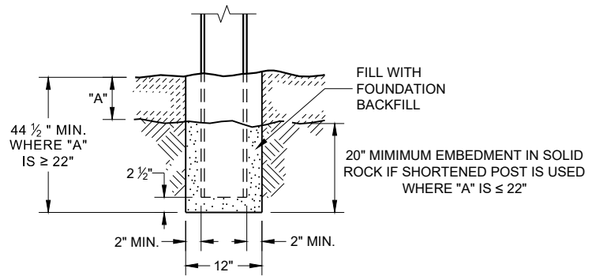
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

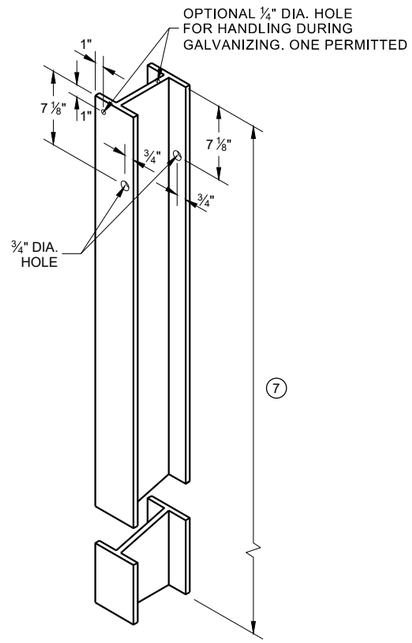
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

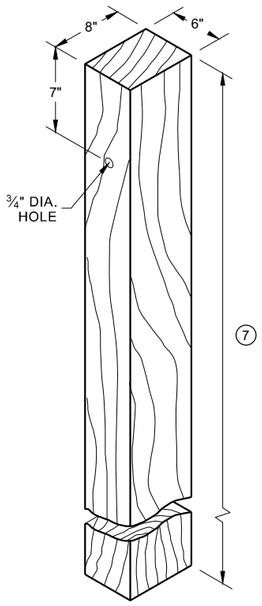
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



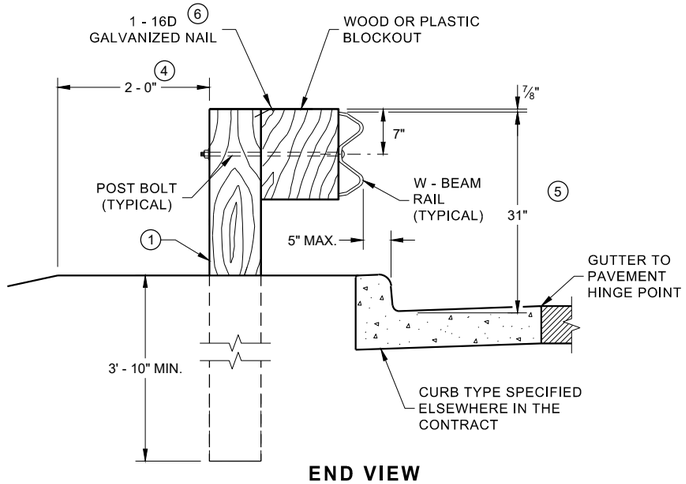
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



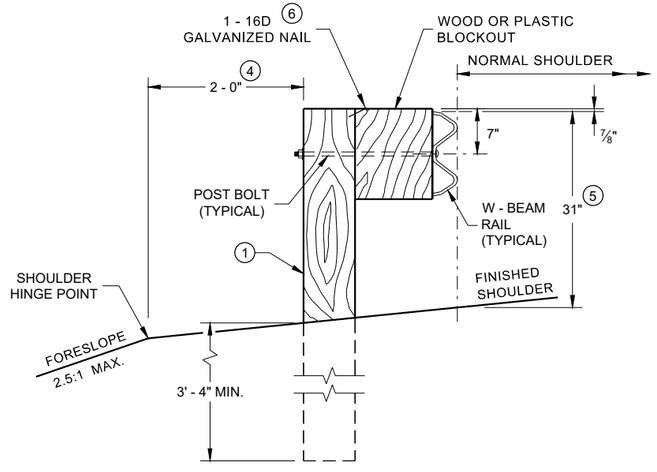
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



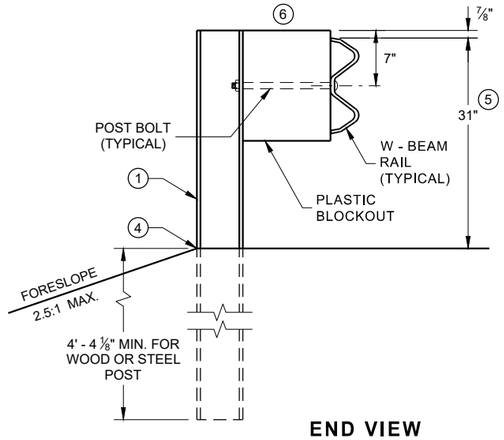
WOOD POST (6" X 8") NOMINAL (1)



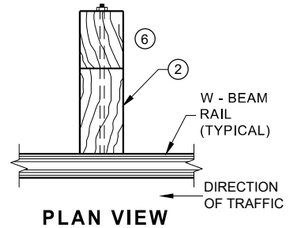
END VIEW
LOCATED ALONG A CURBED ROADWAY



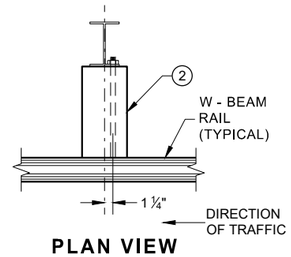
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



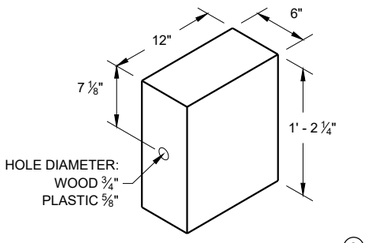
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



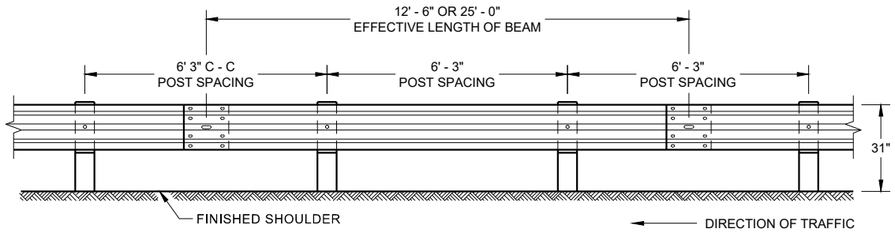
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

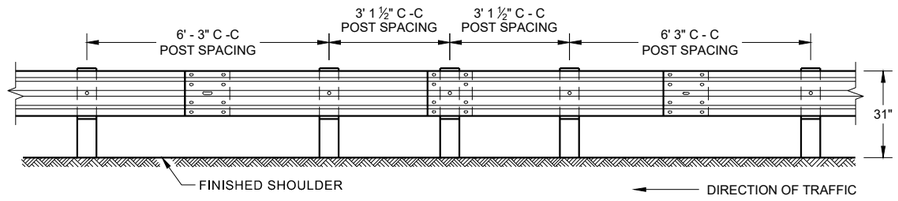
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 07a

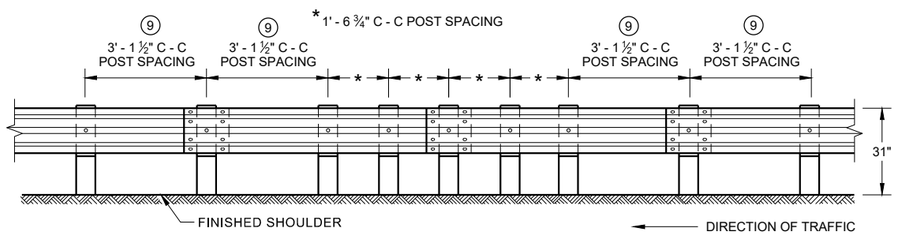
SDD 14B42 - 07a



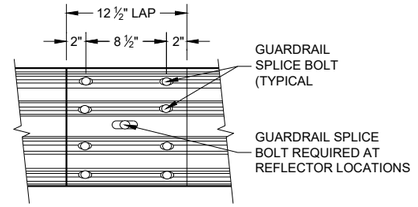
FRONT VIEW
POST SPACING STANDARD INSTALLATION



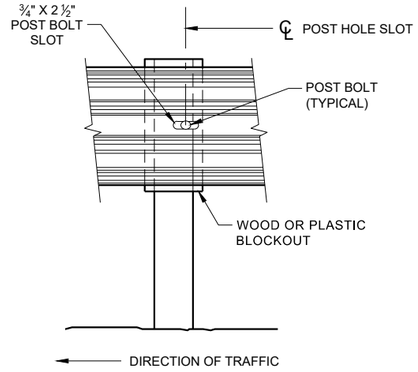
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



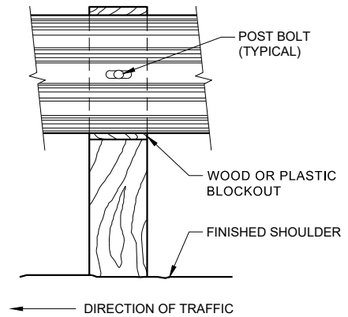
FRONT VIEW
QUARTER POST SPACING (QS)



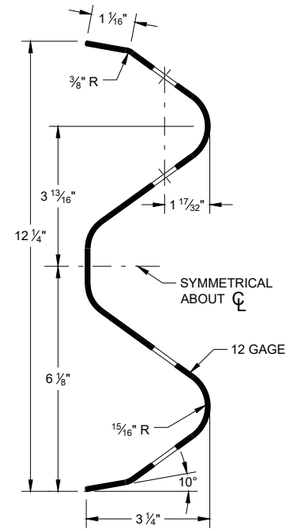
FRONT VIEW
MID-SPAN BEAM SPLICE



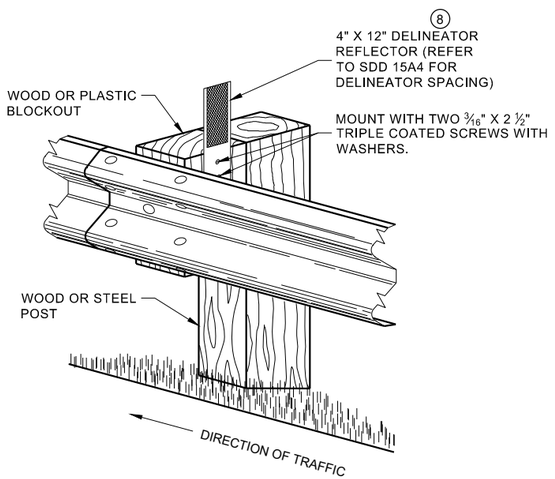
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

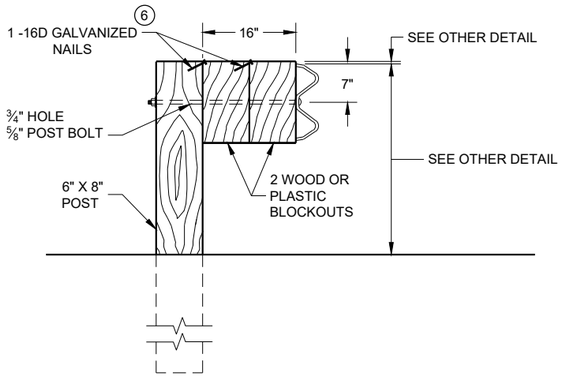
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

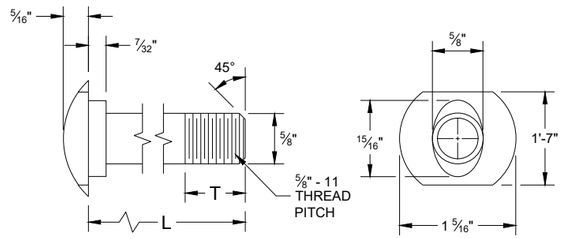


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

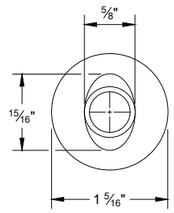
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

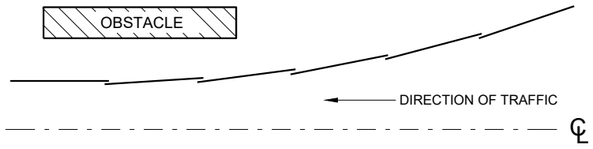


POST BOLT TABLE

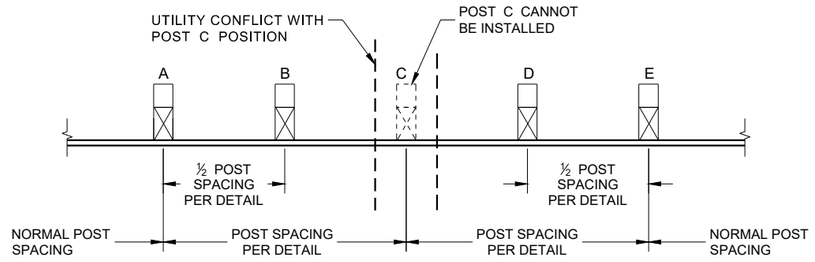
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



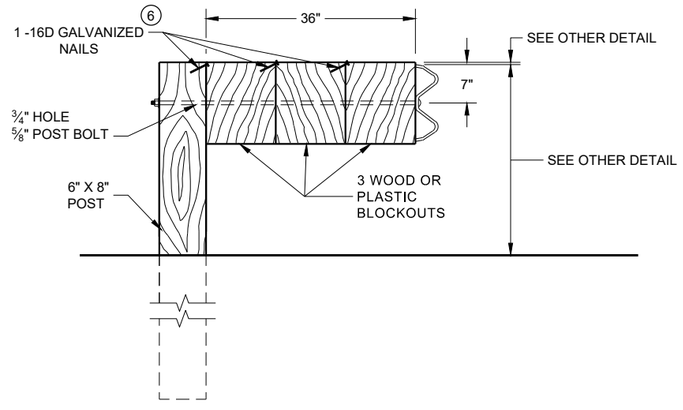
ALTERNATE BOLT HEAD



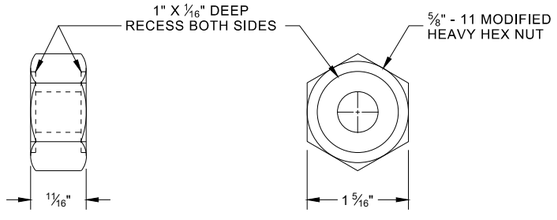
PLAN VIEW
BEAM LAPPING DETAIL



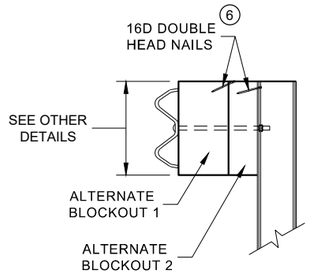
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



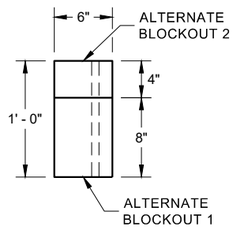
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

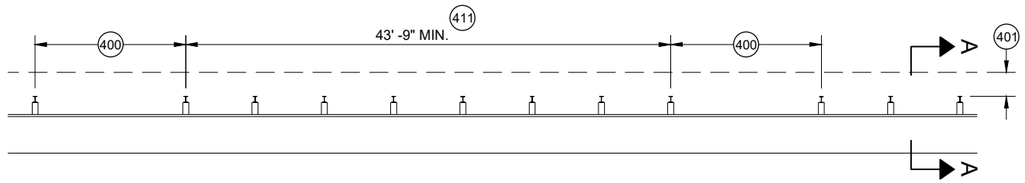
(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

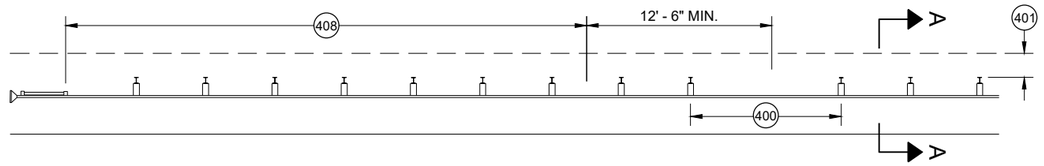
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

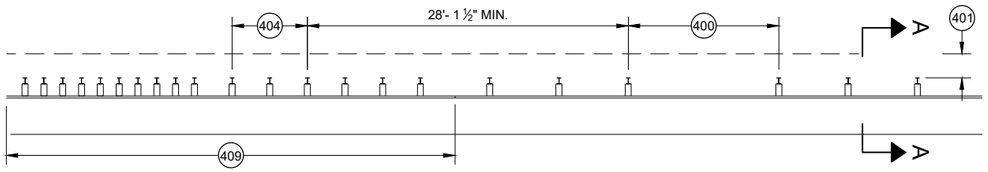
SDD 14B42 - 07c



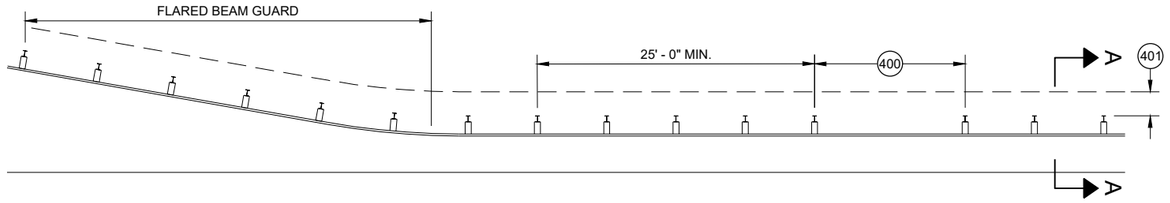
MISSING POST IN MGS GUARDRAIL



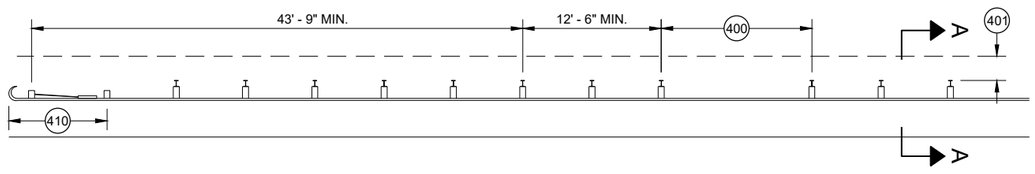
MISSING POST IN MGS GUARDRAIL NEAR EAT



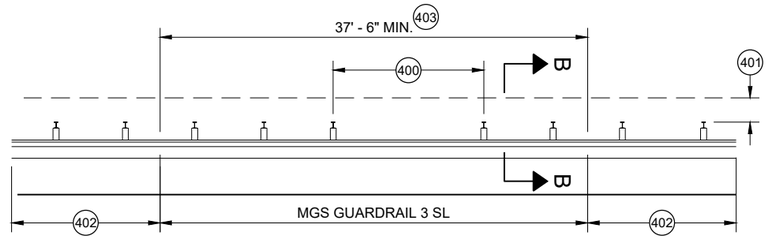
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

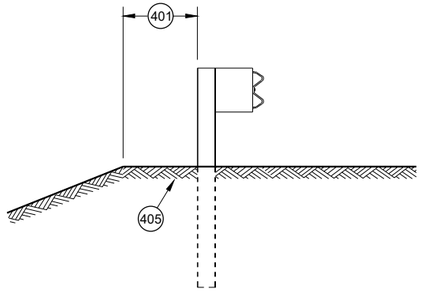


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

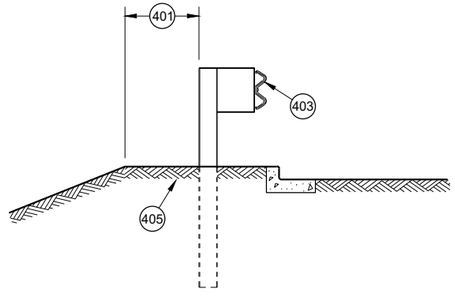


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

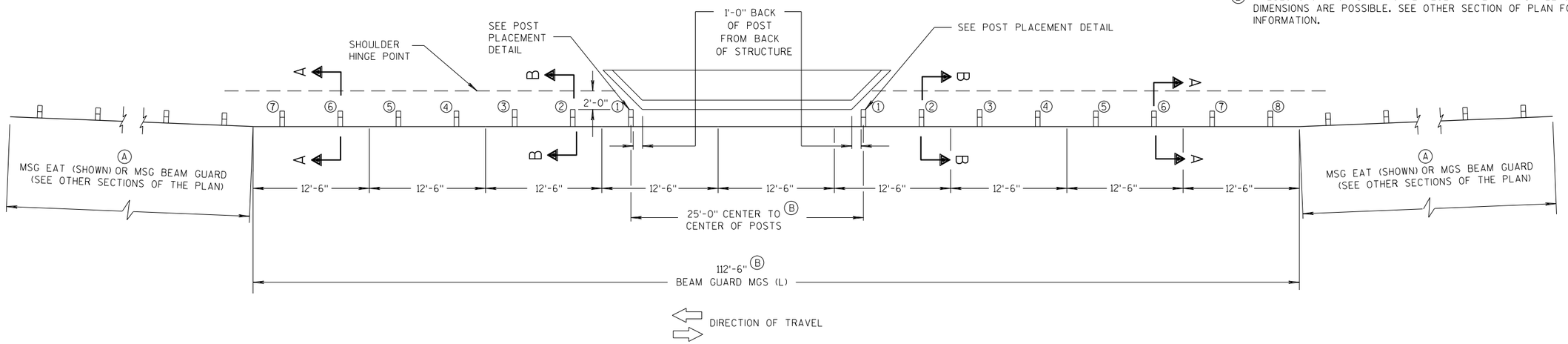
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

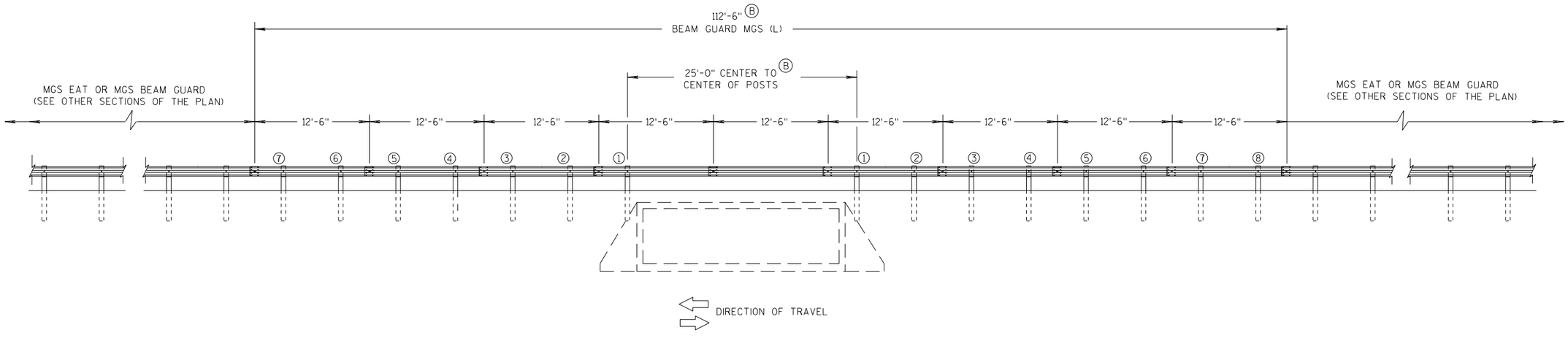
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4a

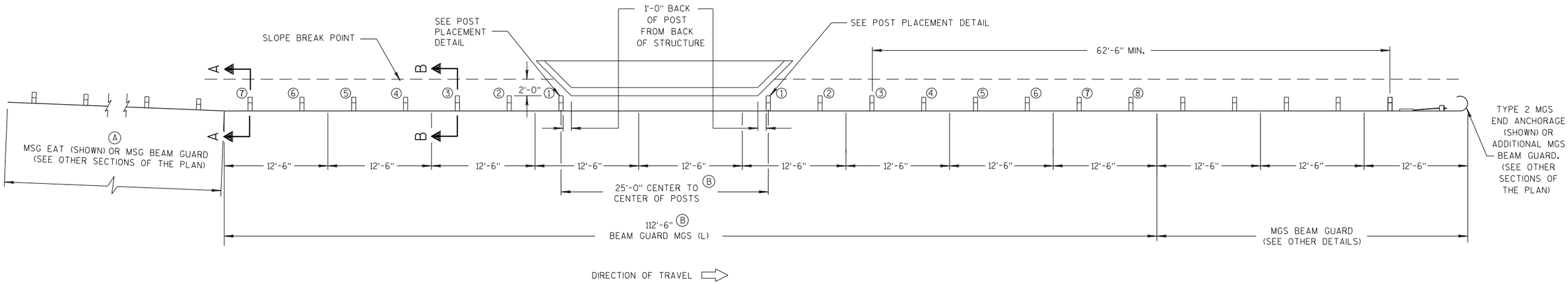
GENERAL NOTES

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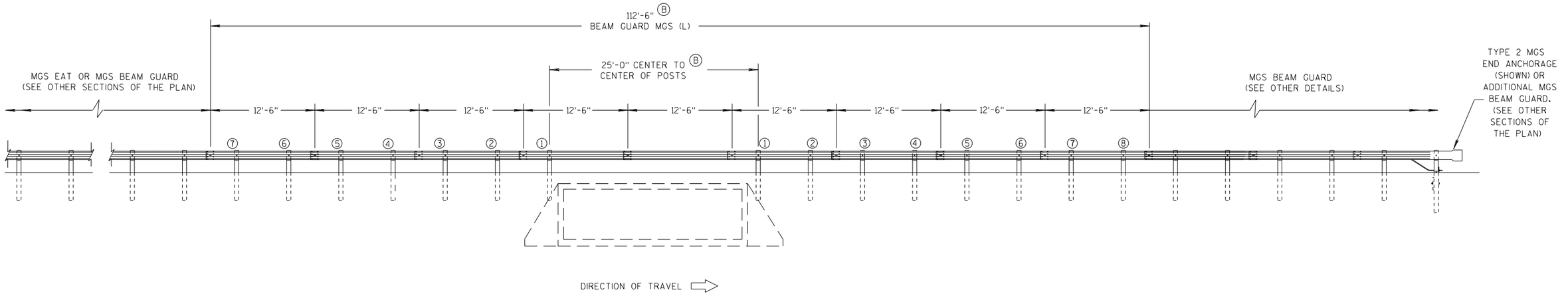
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

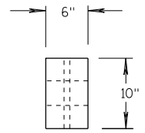
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	278

6

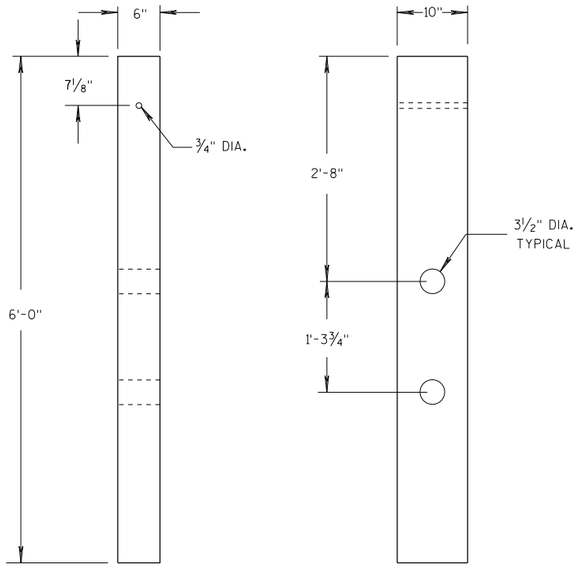
S.D.D. 14 B 43-4b

6

S.D.D. 14 B 43-4b

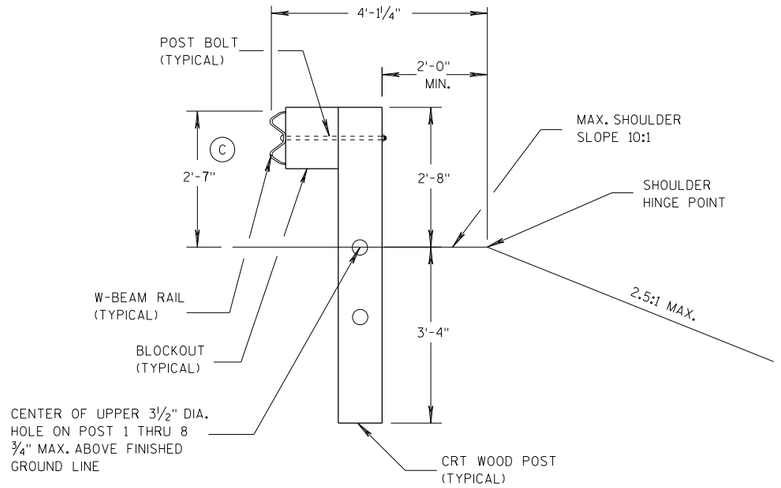


PLAN VIEW



FRONT VIEW SIDE VIEW

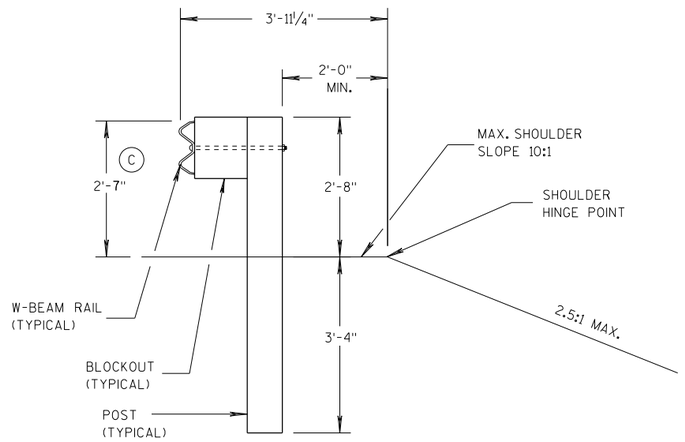
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



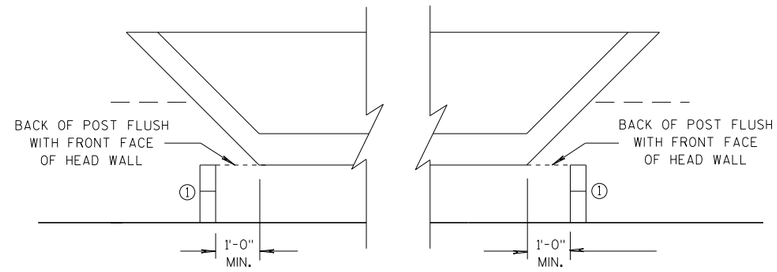
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER

279

NT

6

S.D.D. 14 B 43-4c

6

S.D.D. 14 B 43-4c

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

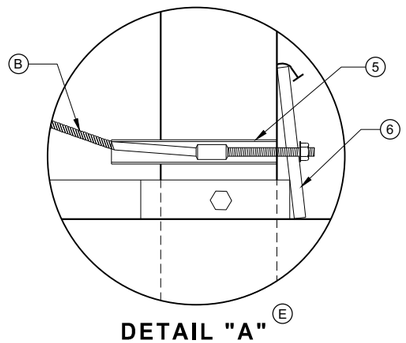
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

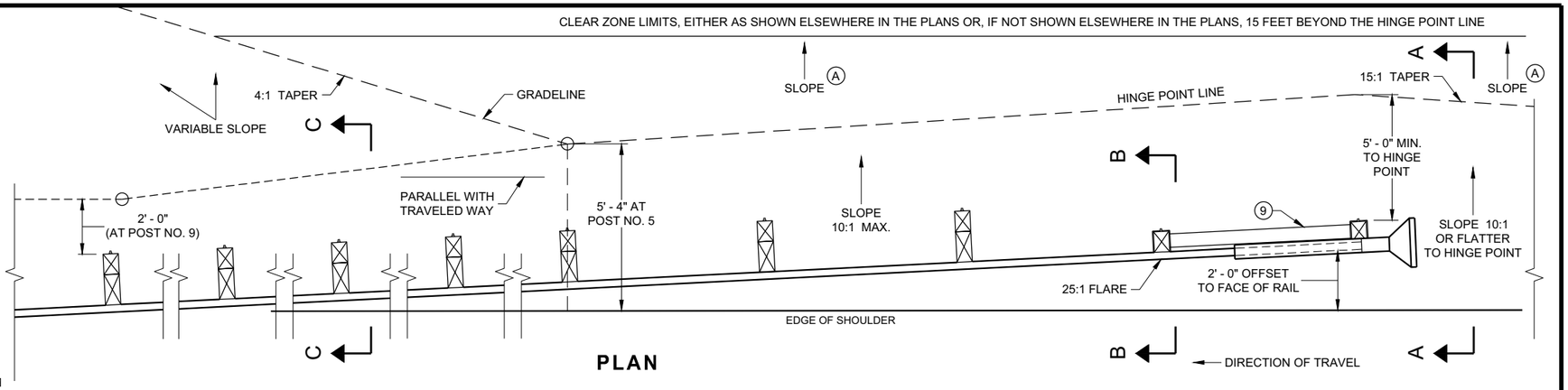
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

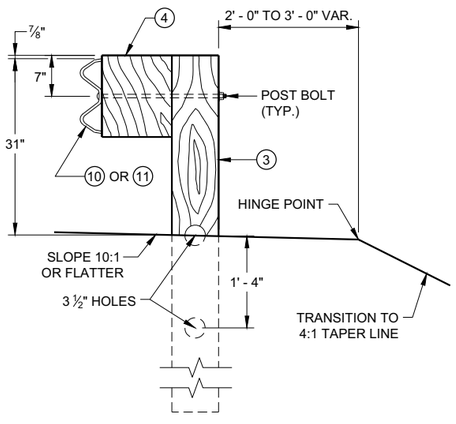
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.

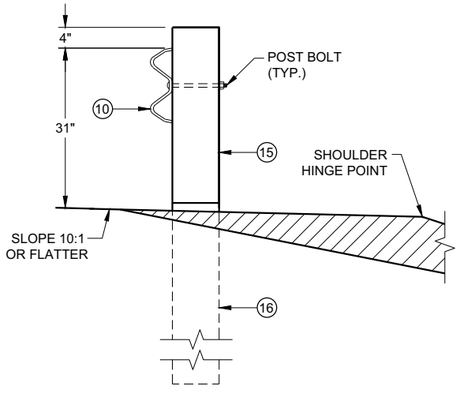


DETAIL "A" (E)

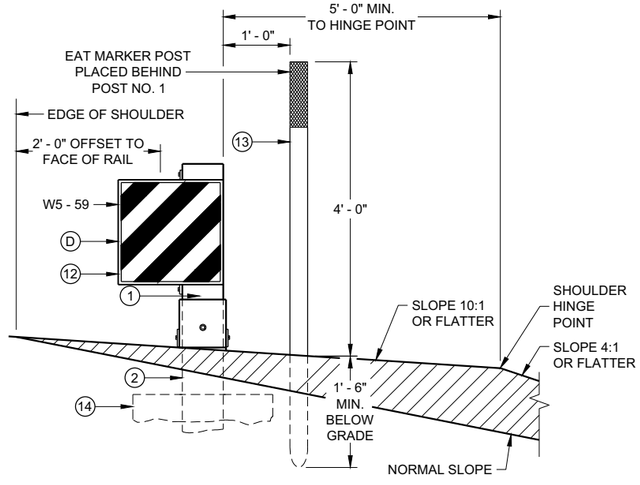




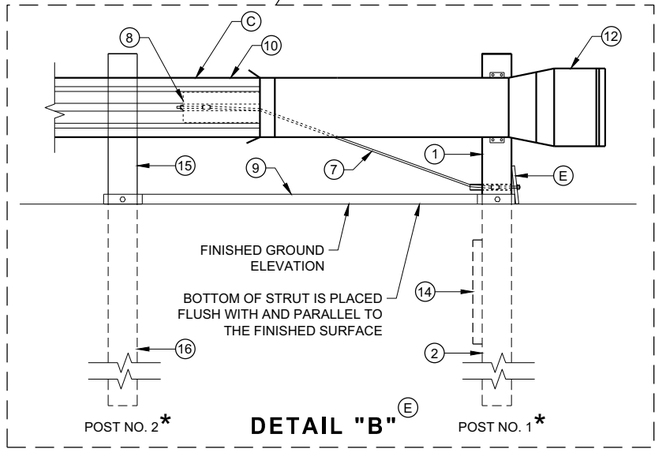
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



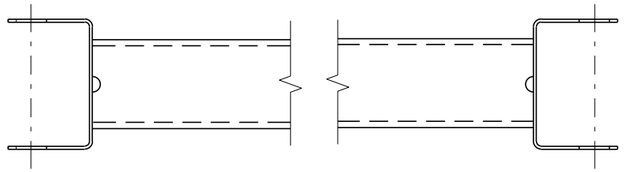
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

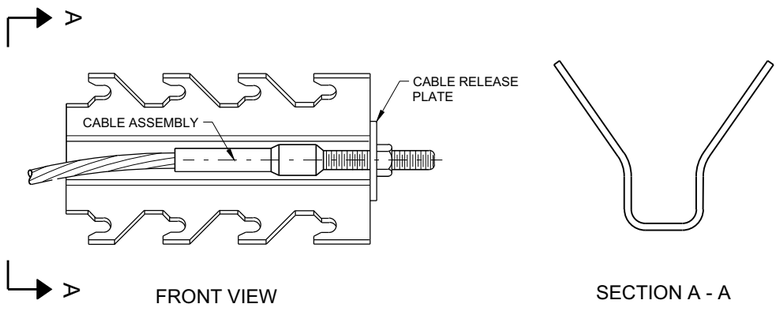
SDD 14B44 - 04a



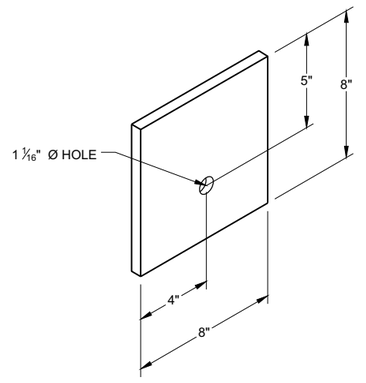
GENERIC GROUND STRUT ⑨ Ⓔ

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 Ⓔ

6

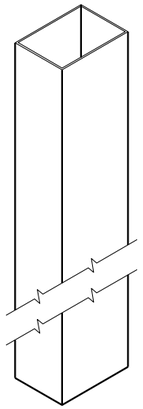
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SDD 14B44 - 04b

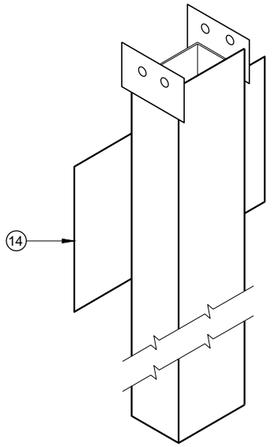
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

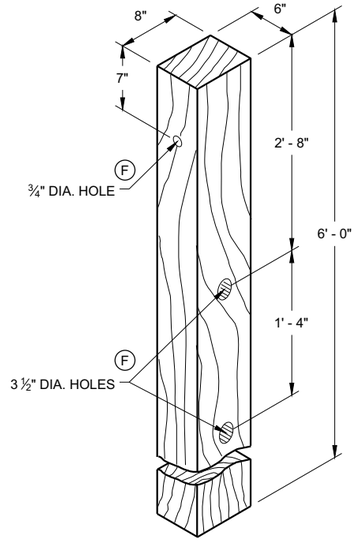
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



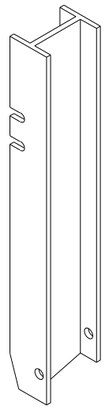
UPPER POST NO. 1 (1) (E)



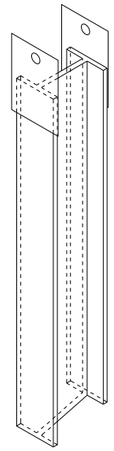
LOWER POST NO. 1 (2) (E)



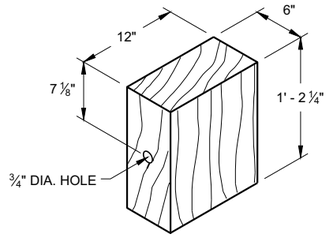
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



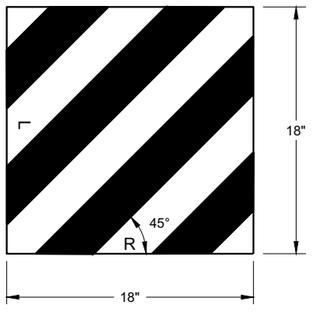
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

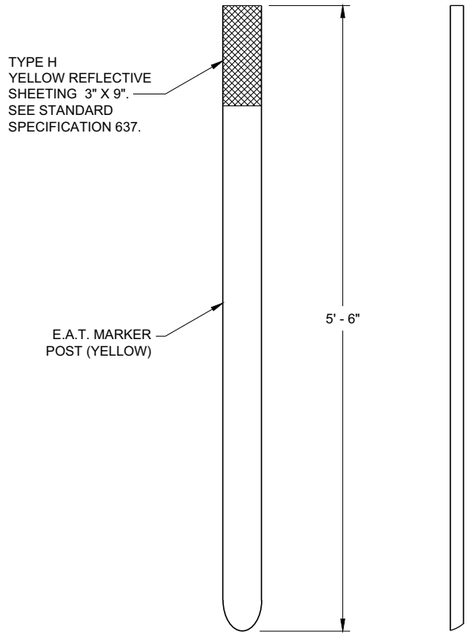


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



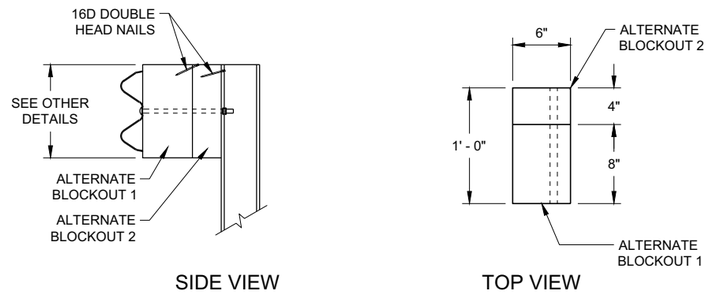
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

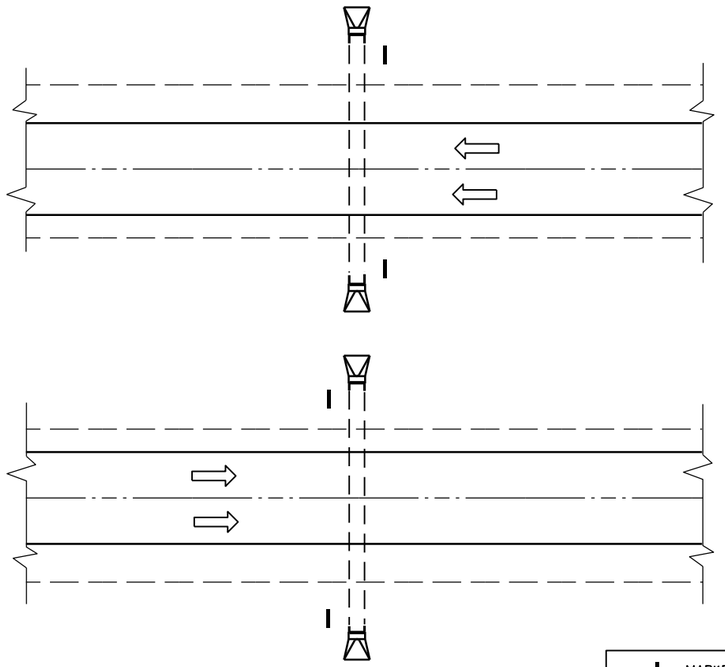
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

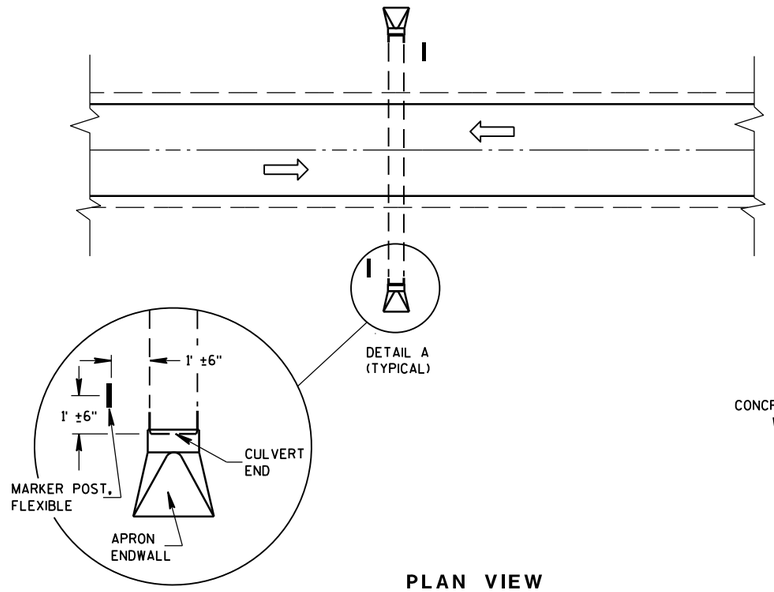
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SDD 14B44 - 04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

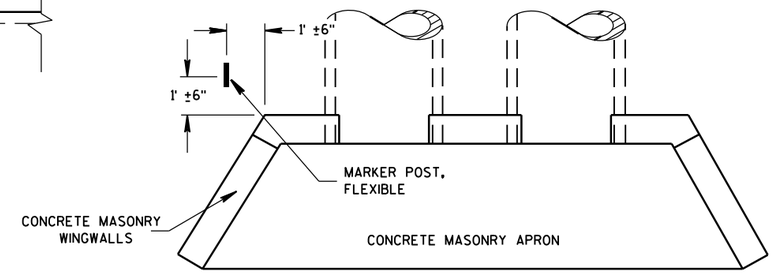
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

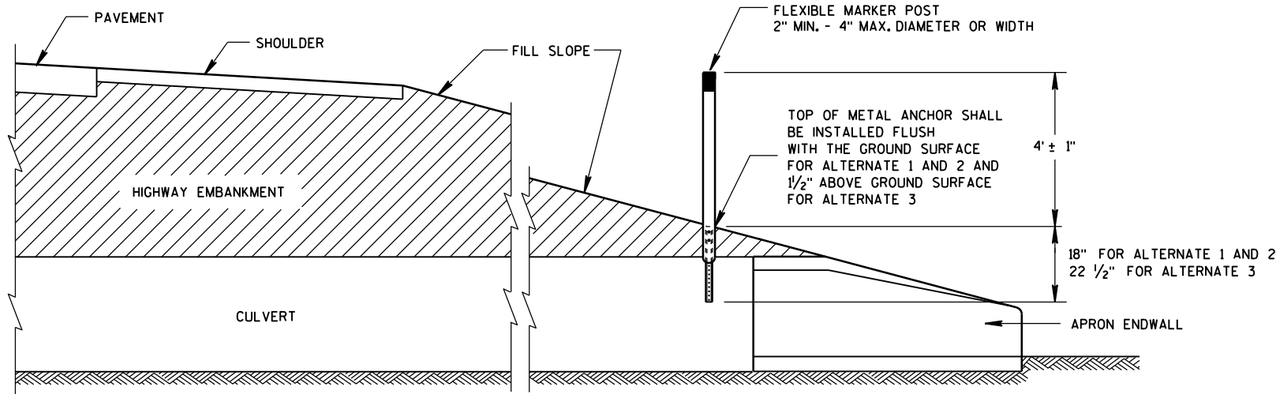
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

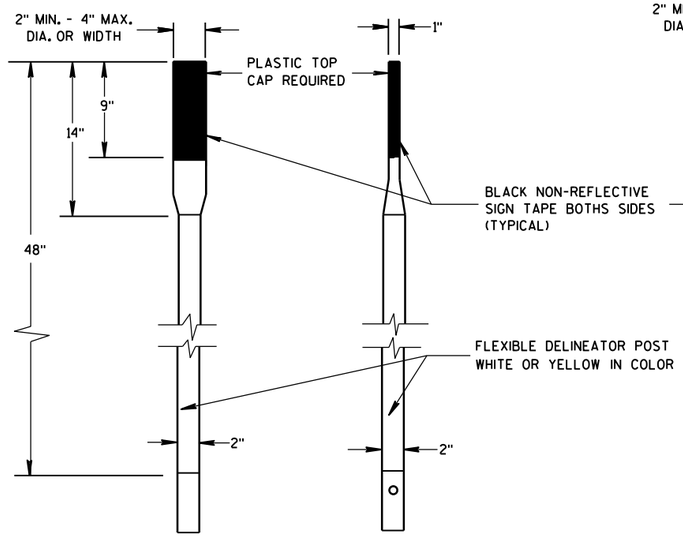
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

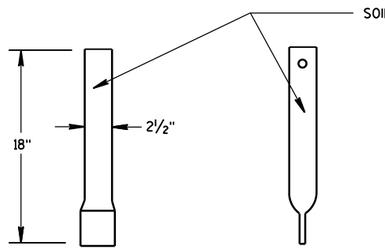
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S.D.D. 15 A 3-2a

6

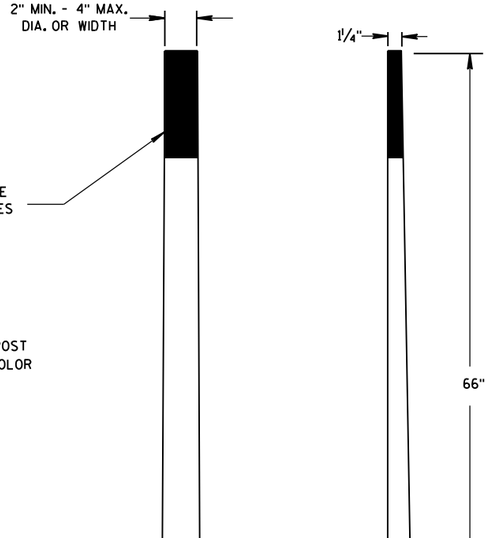
S.D.D. 15 A 3-2a





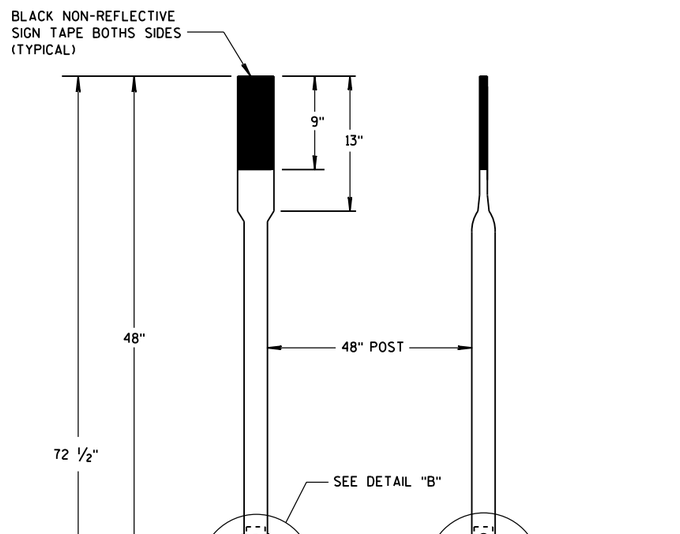
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

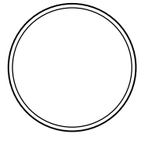
ALTERNATE 2



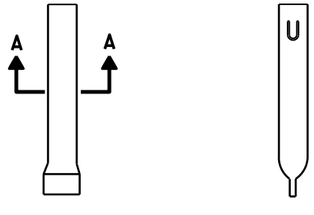
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

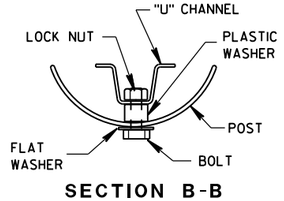


SECTION A-A

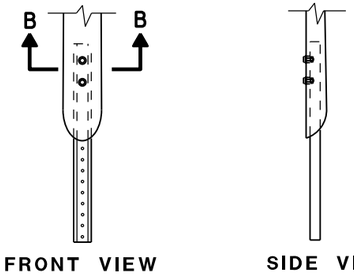


FRONT VIEW SIDE VIEW

ALTERNATE 1

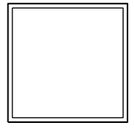


SECTION B-B

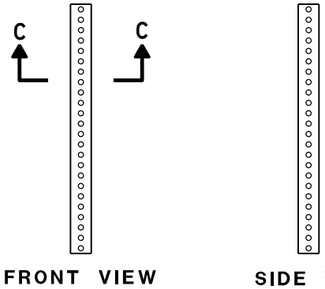


FRONT VIEW SIDE VIEW

ALTERNATE 2



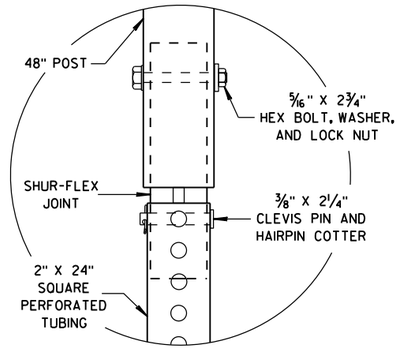
SECTION C-C



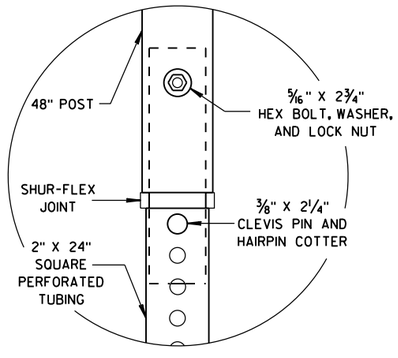
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

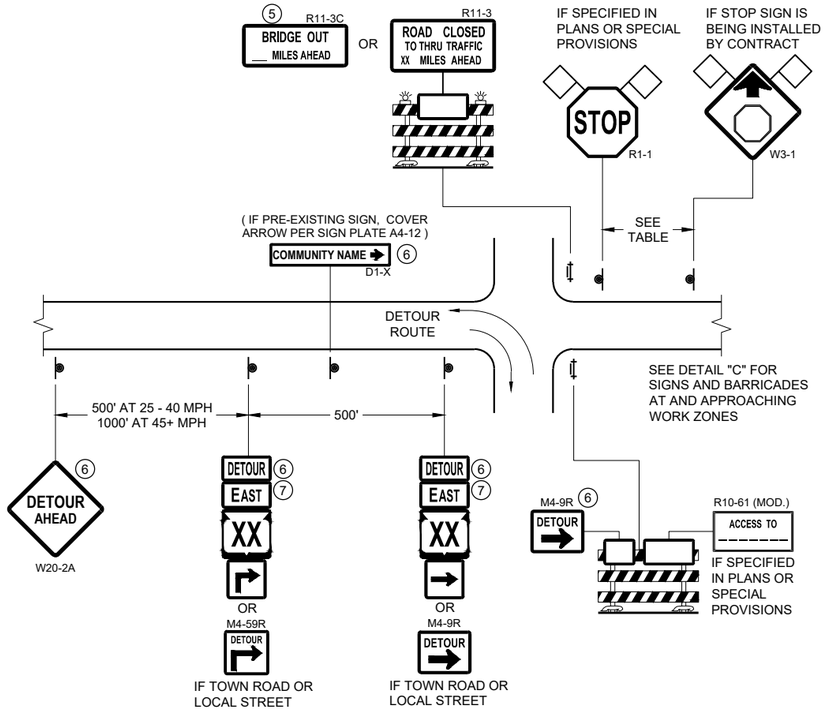
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

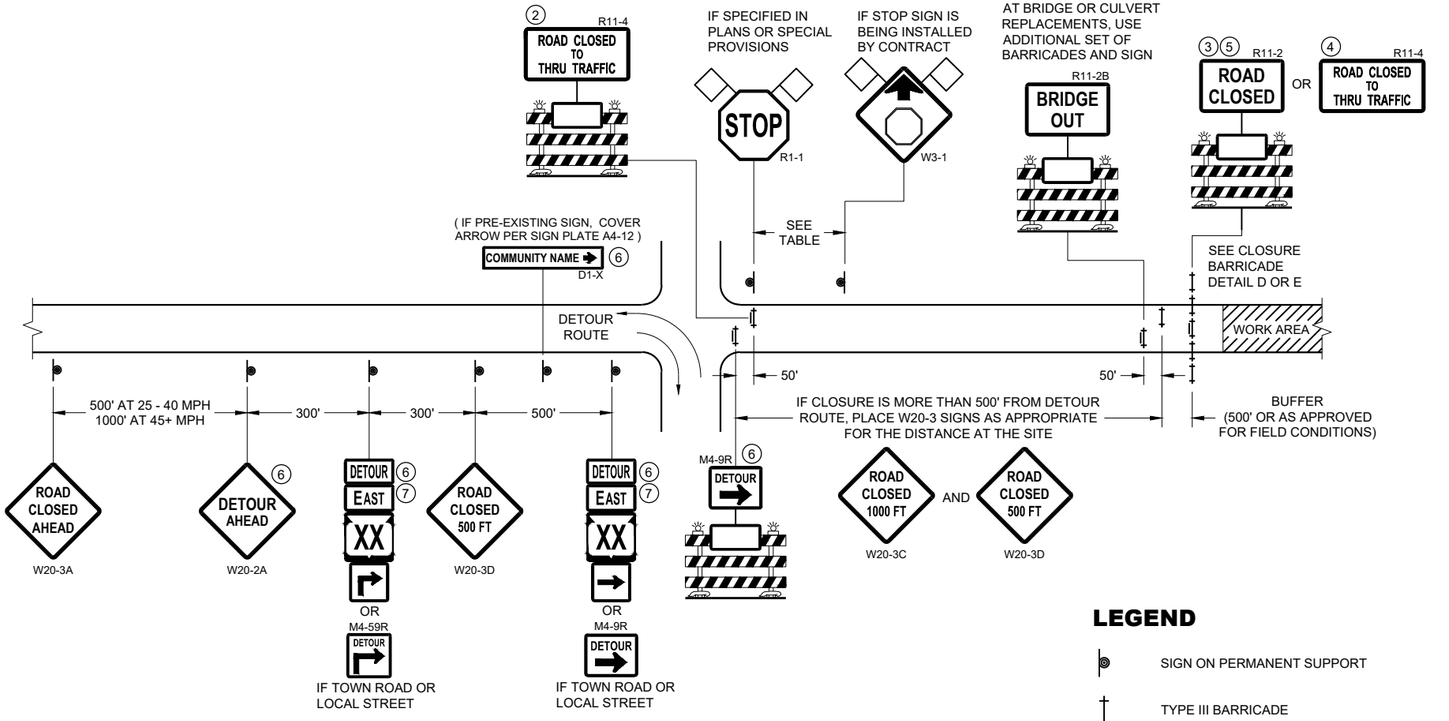
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S.D.D. 15 A 3-2b



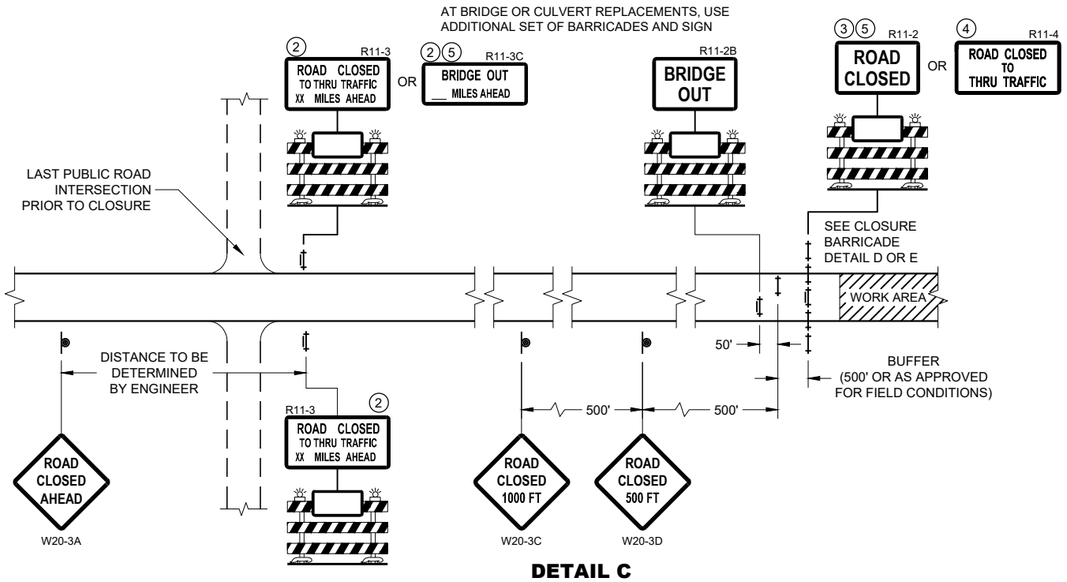
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

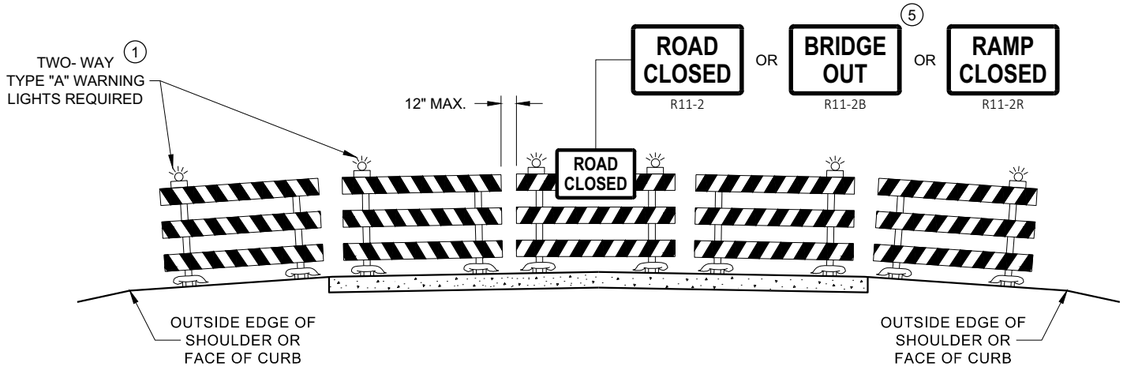
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

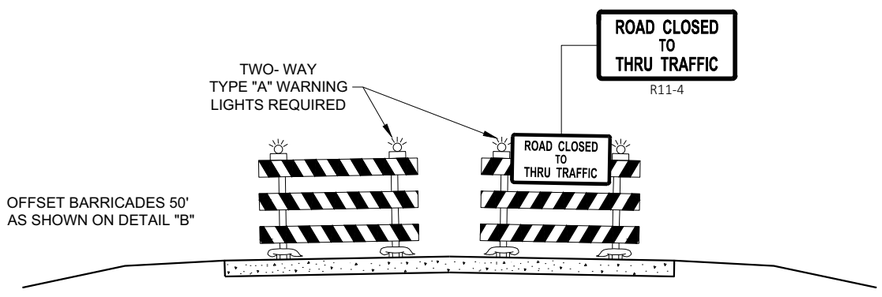
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SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

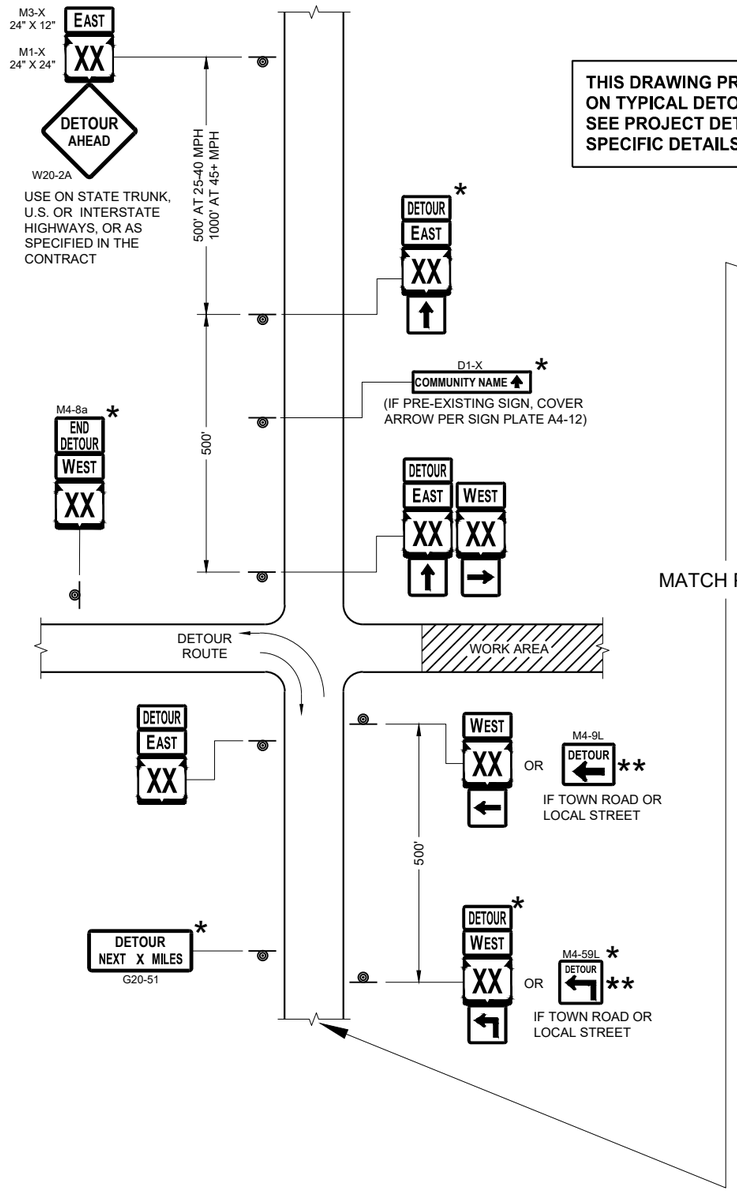
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

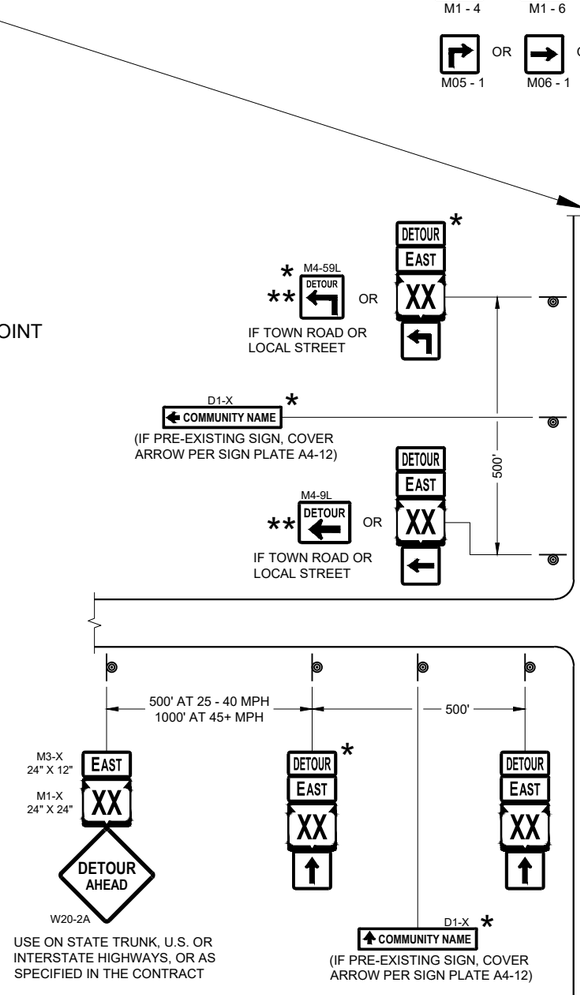
M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
M4-9 AND M4-59 SHALL BE 30" X 24"
M4-8a SHALL BE 24" X 18"
G20-51 SHALL BE 60" X 24"
W20-2A SHALL BE 48" X 48"
D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

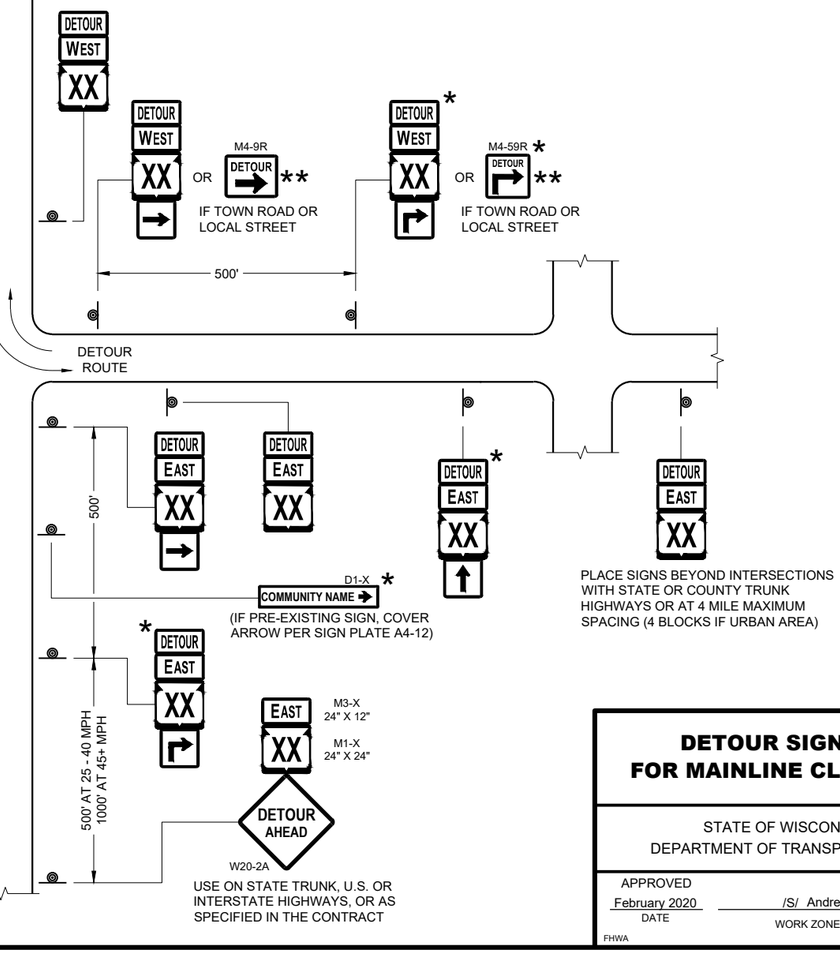
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



MATCH POINT





SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

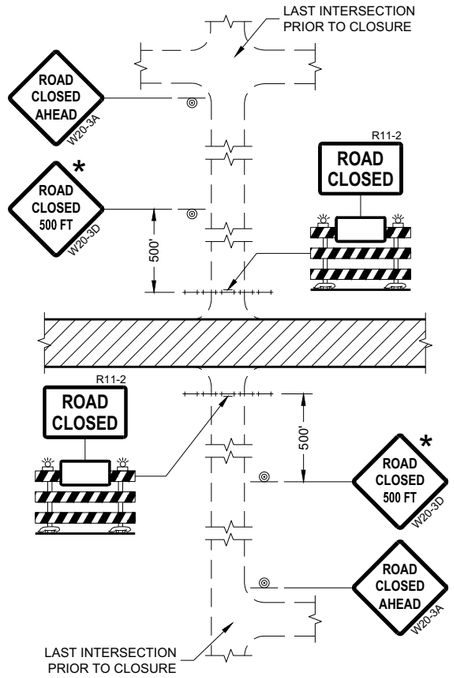
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

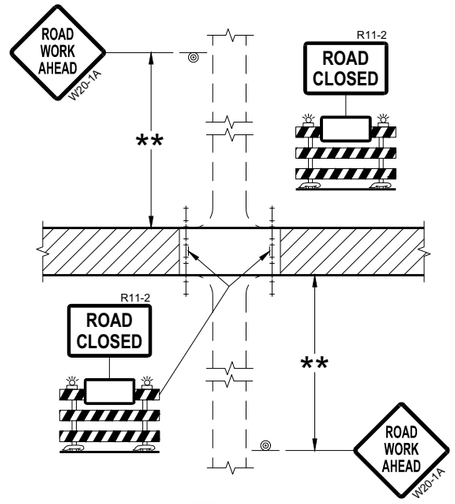
SDD 15C02 - 08c

SDD 15C02 - 08c

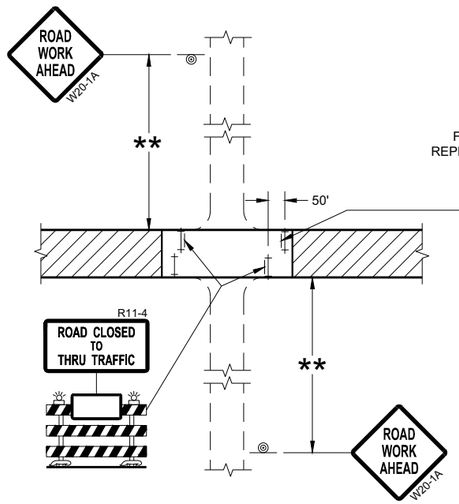
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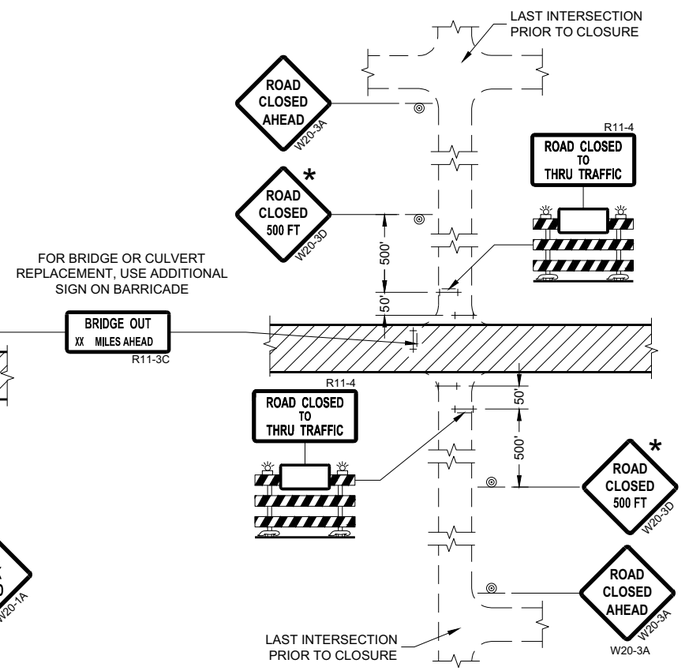
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

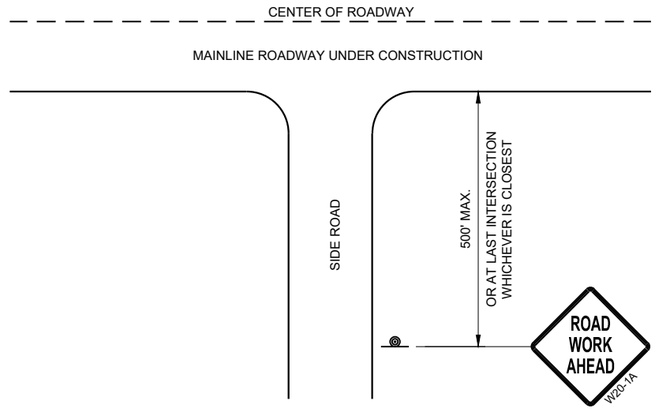
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



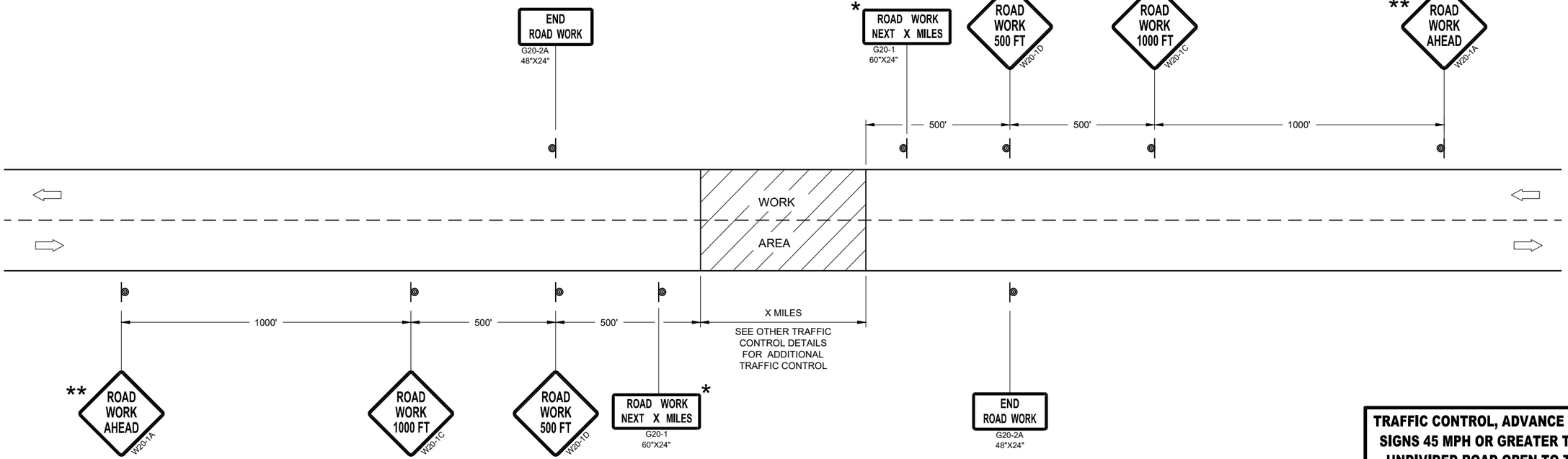
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

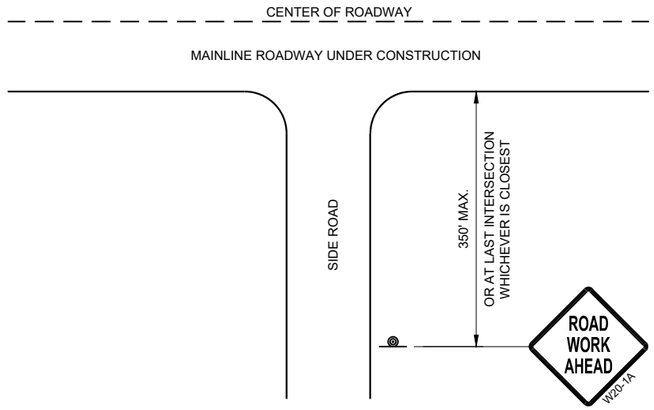
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



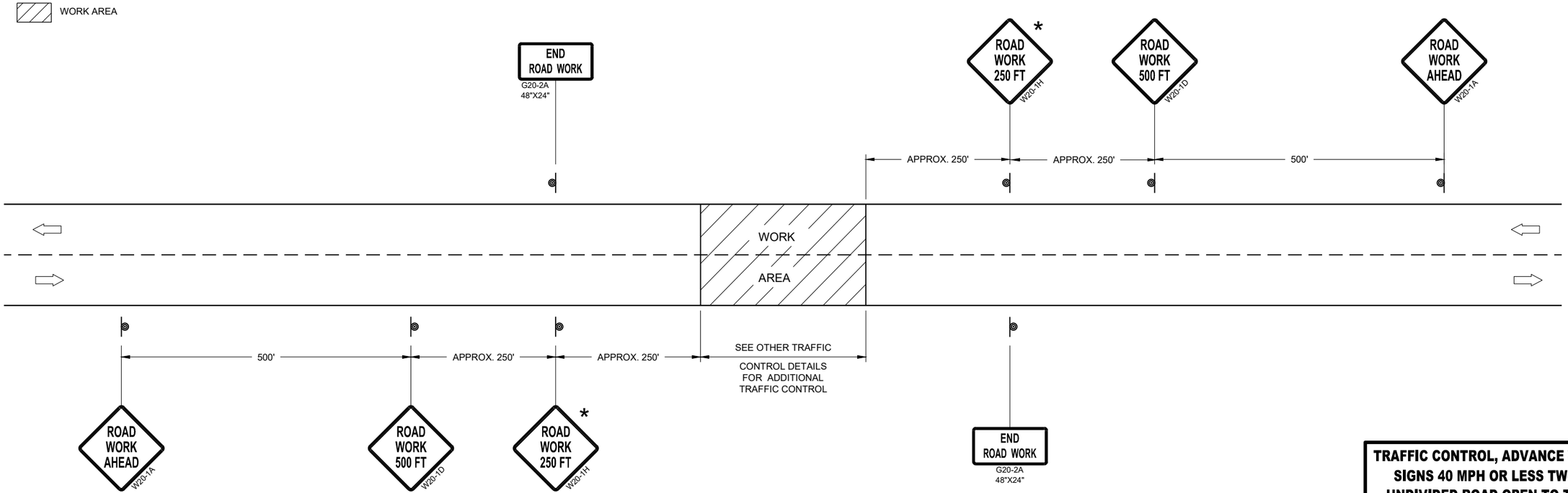
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C05 - 05

GENERAL NOTES

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

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

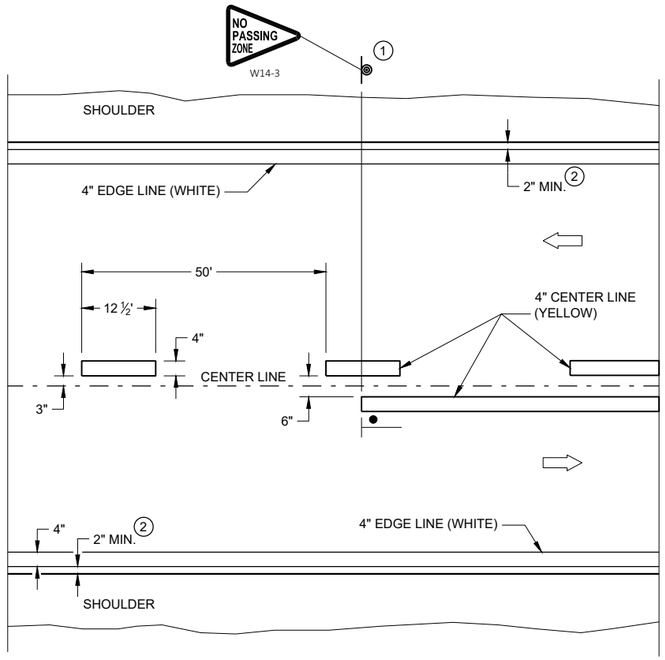
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

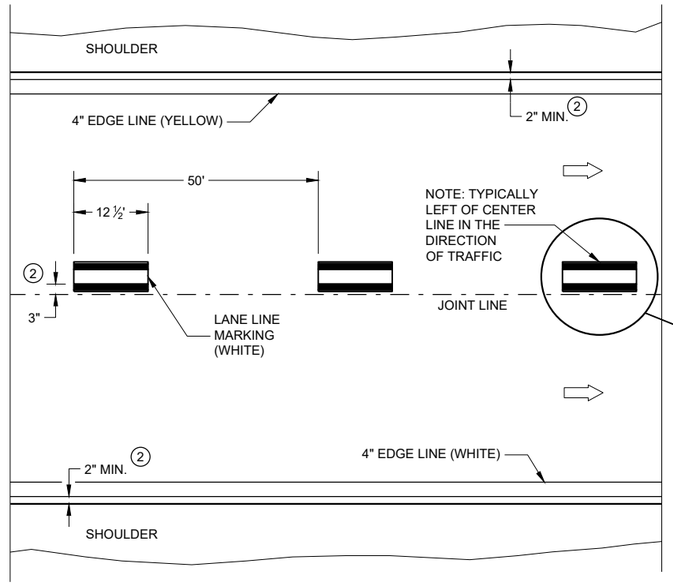
"T" MARKING

SIGN ON PERMANENT SUPPORT

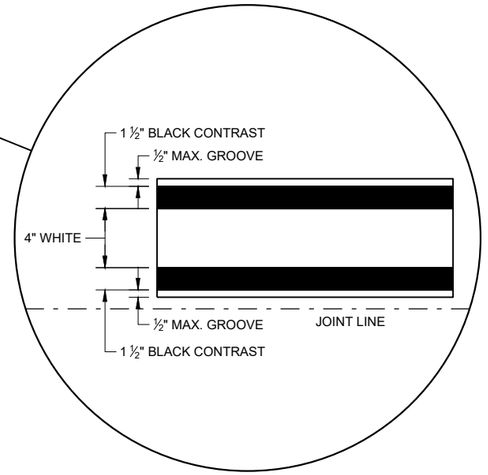
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Jeannie Silver
STATEWIDE SIGNING AND M
ENGINEER

FHWA

6

SDD 15C08 - 21a

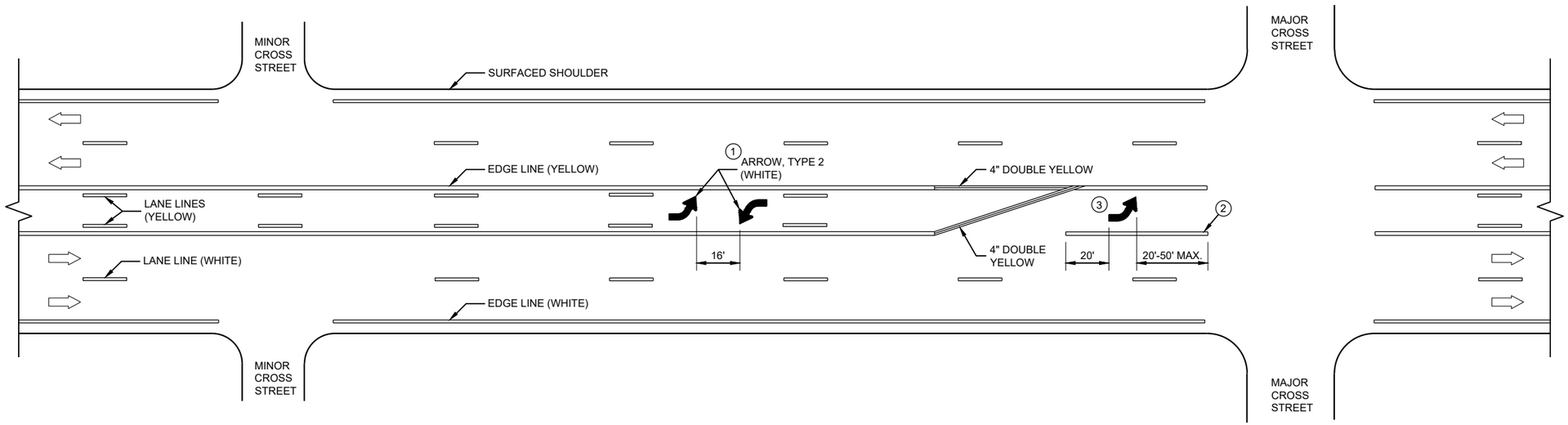
6

SDD 15C08 - 21a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

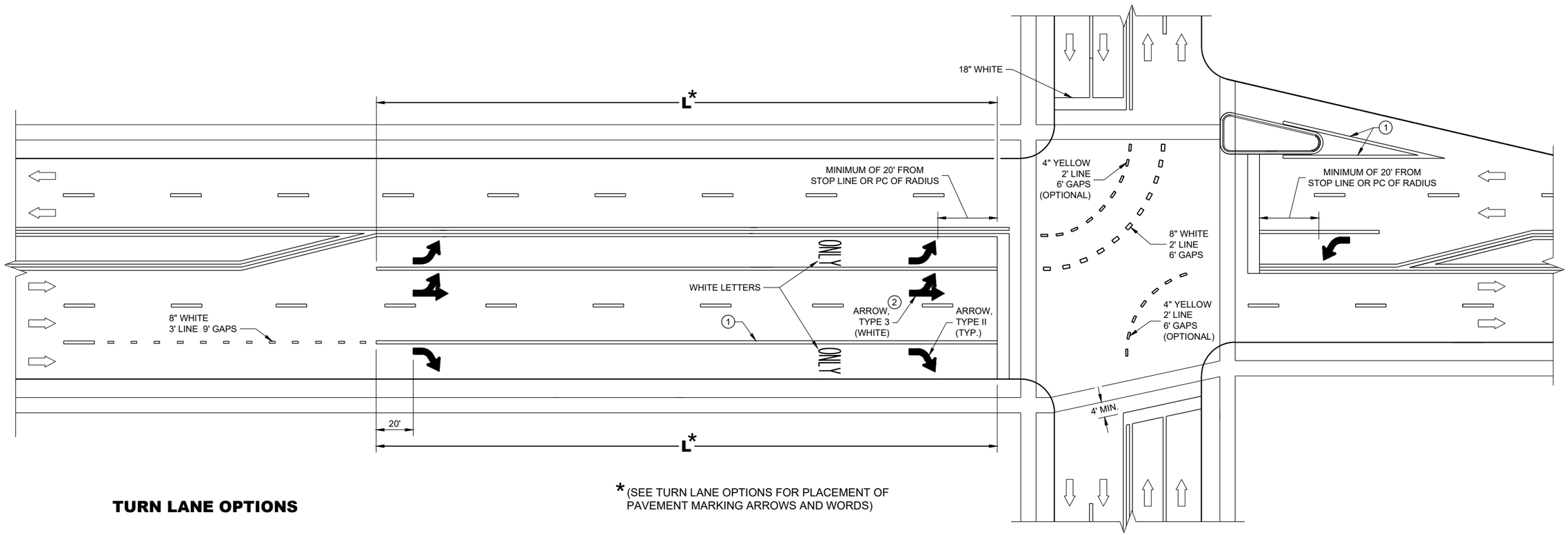
SDD 15C08 - 21c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

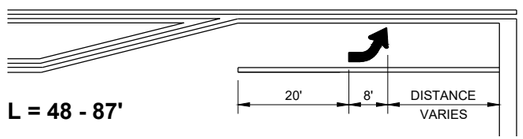
SDD 15C08 - 21c



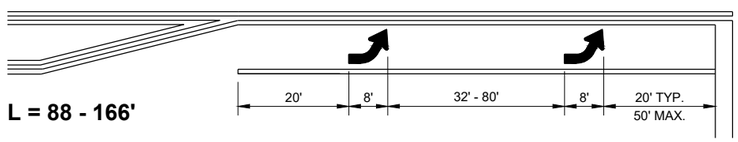
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

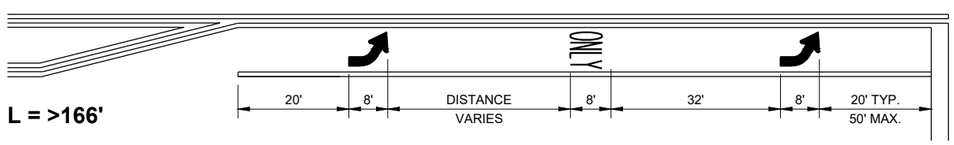
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

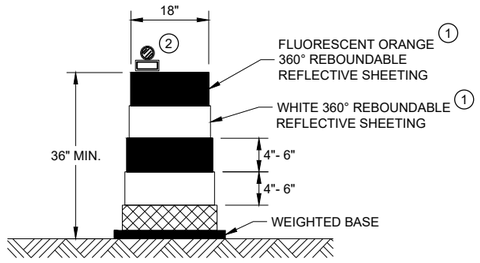
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

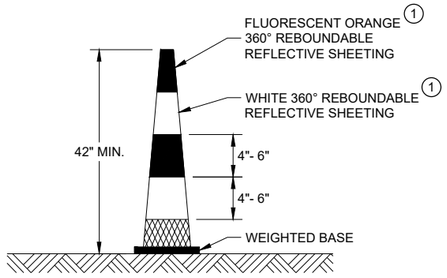
SDD 15C08 - 21d

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

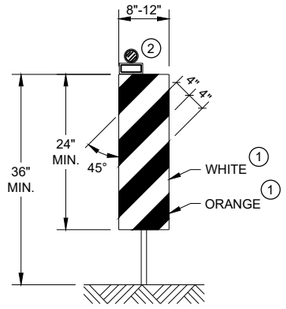


DRUM



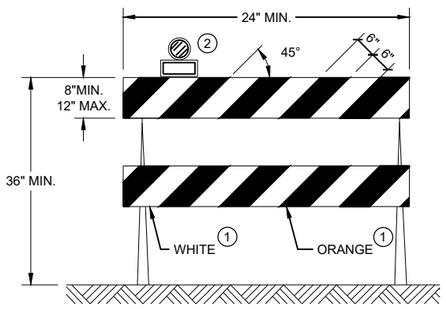
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



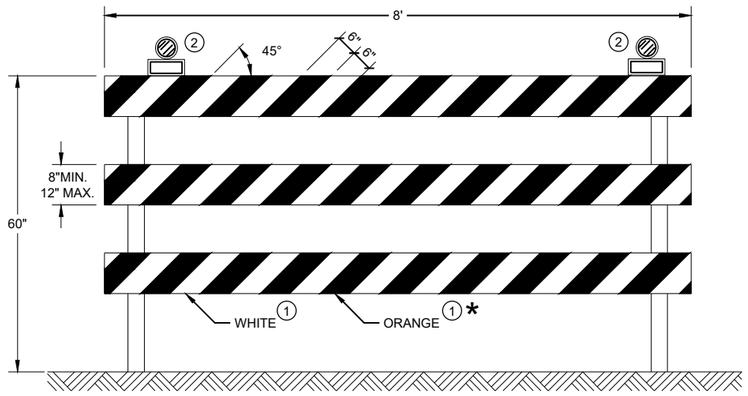
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 09b

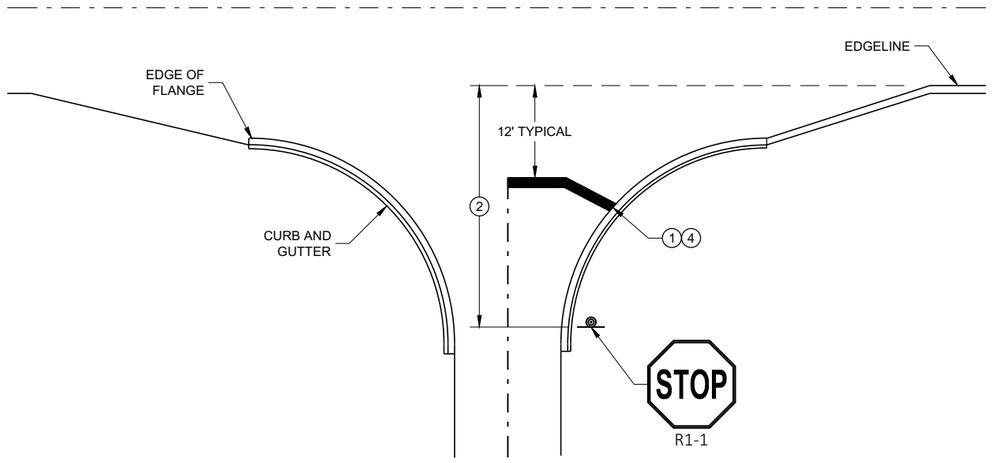
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SDD 15C11 - 09b

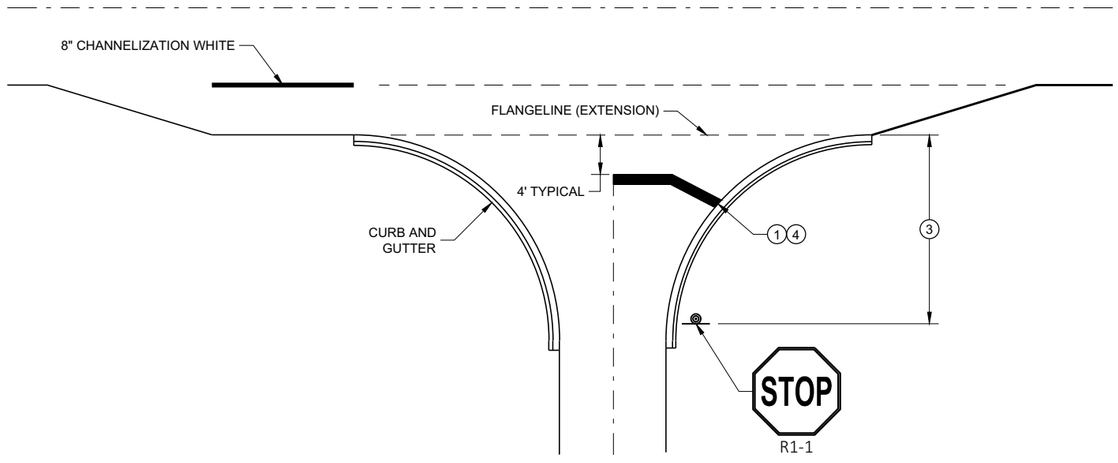
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

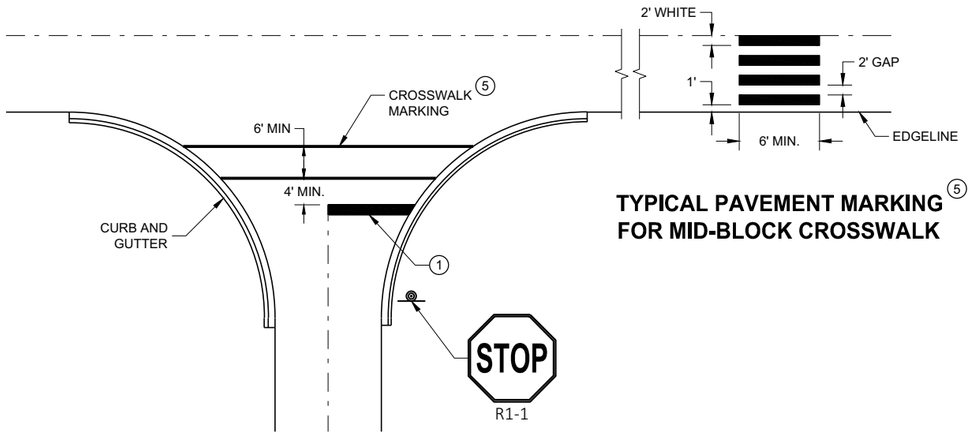
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

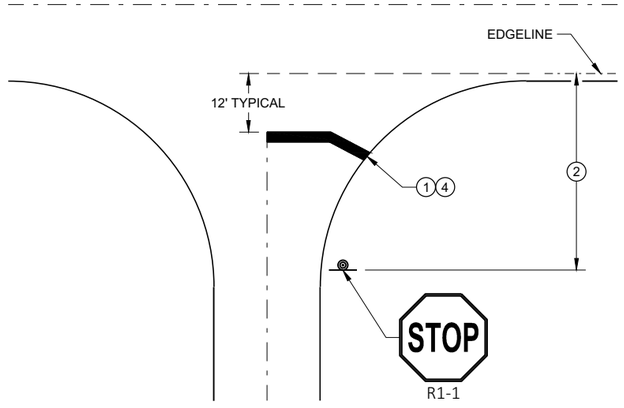


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

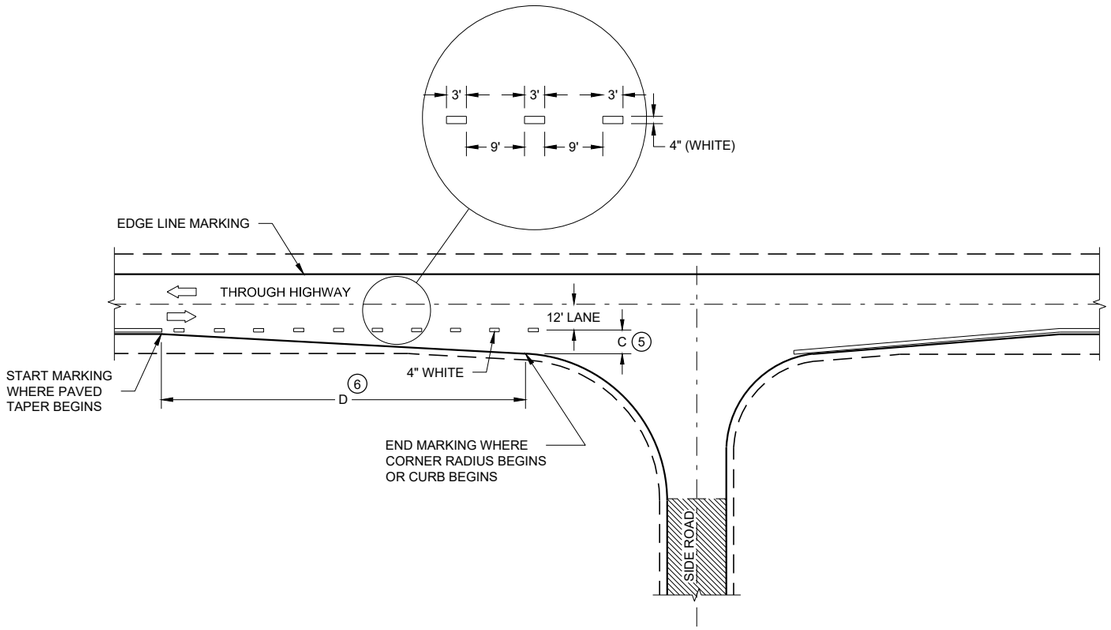
APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

SDD 15C33 - 04

6

SDD 15C33 - 04



MINOR INTERSECTION

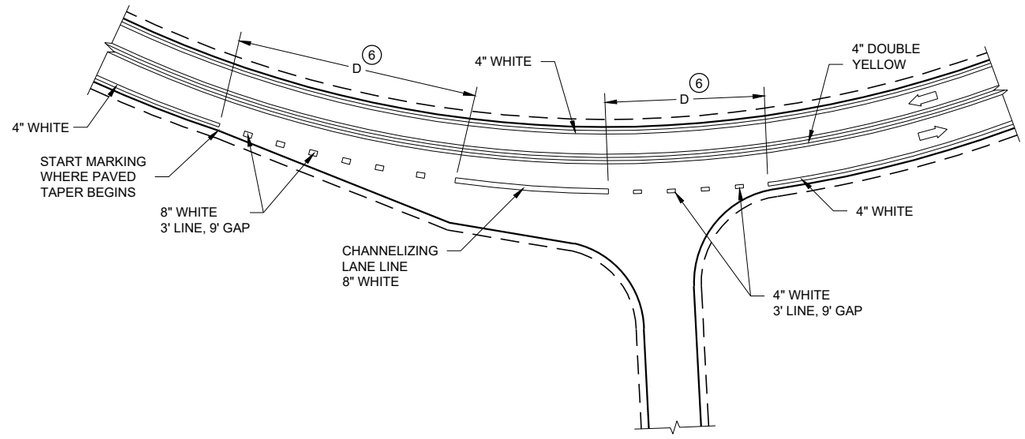
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

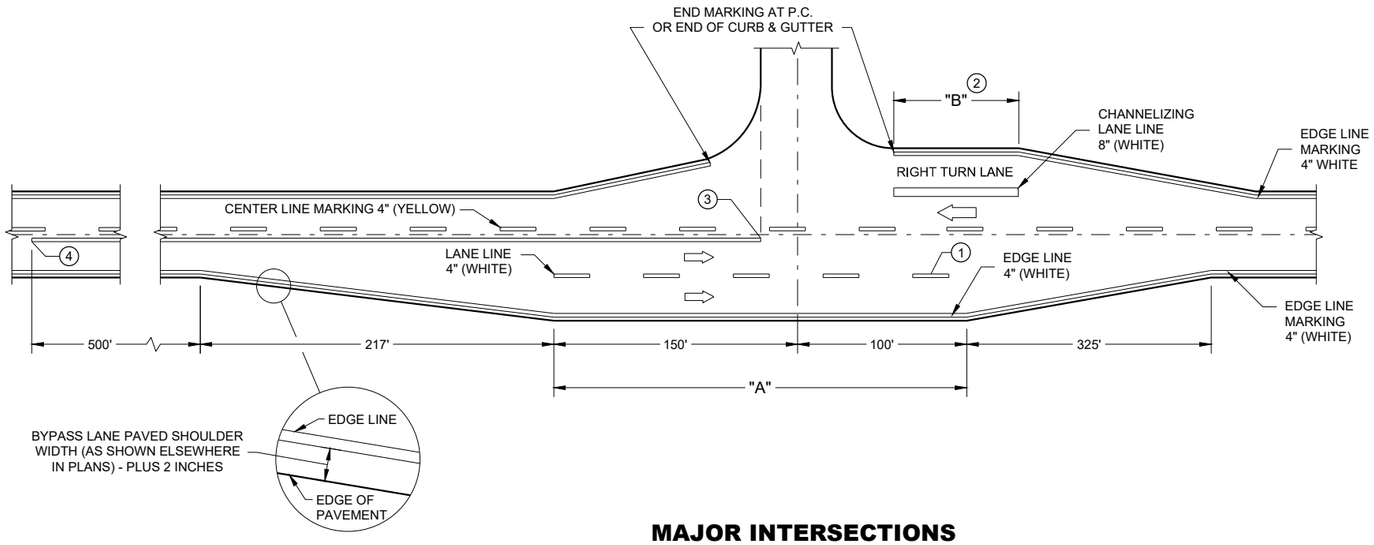
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

SDD 15C35 - 05a
SDD 15C35 - 05a

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

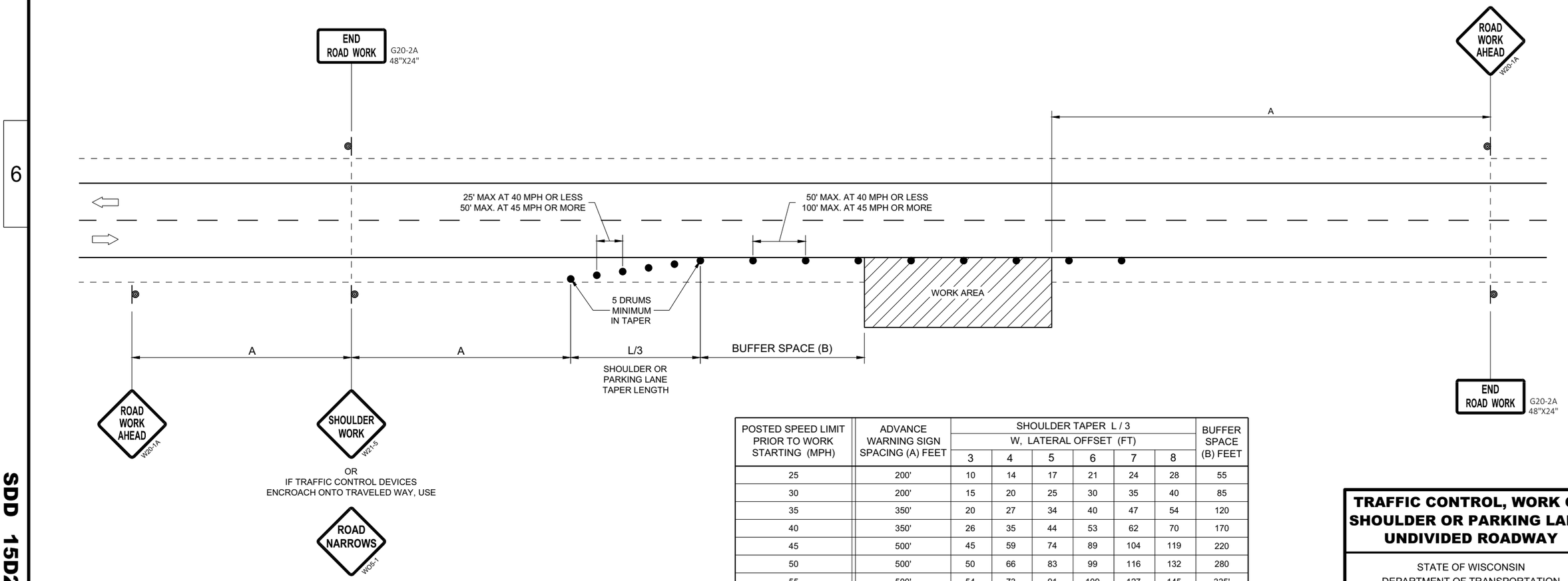
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

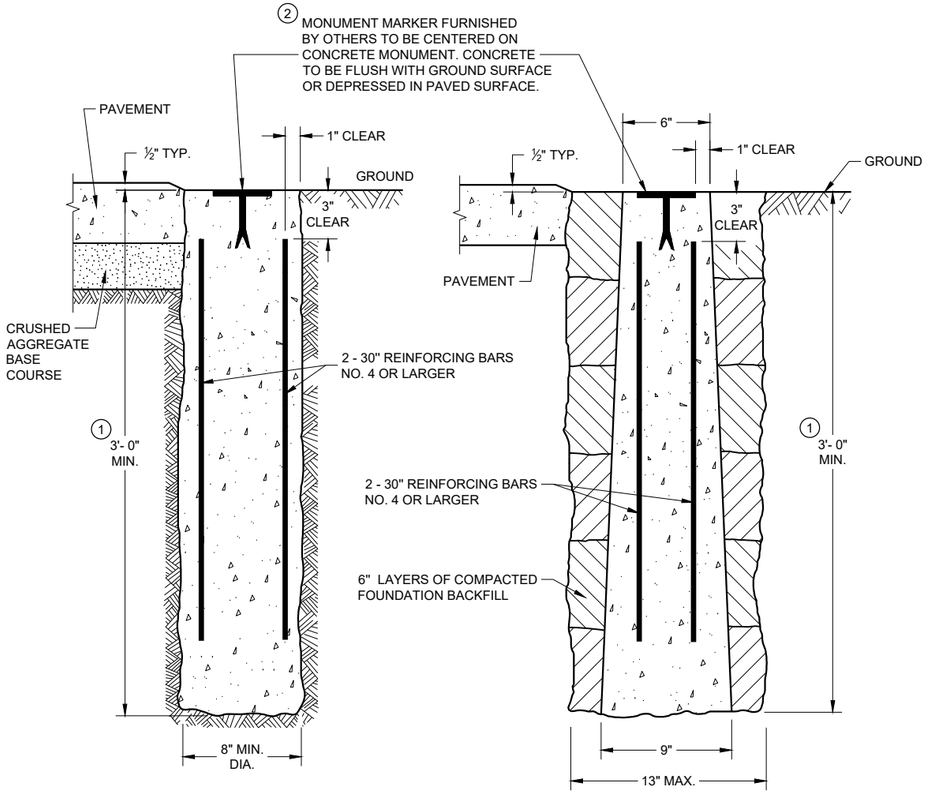
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

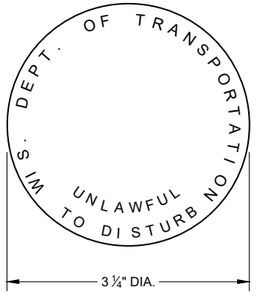
6

SDD 15D28 - 04



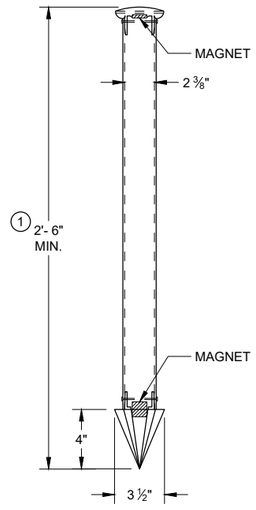
CAST-IN-PLACE **PRECAST**

CONCRETE MONUMENTS
TYPE A

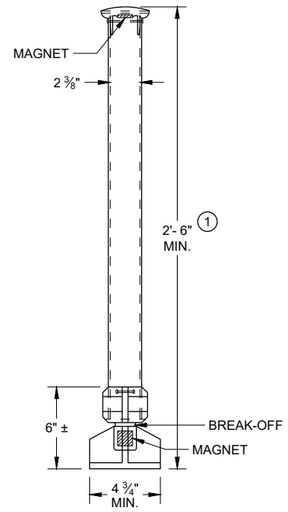


② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C" & "D"

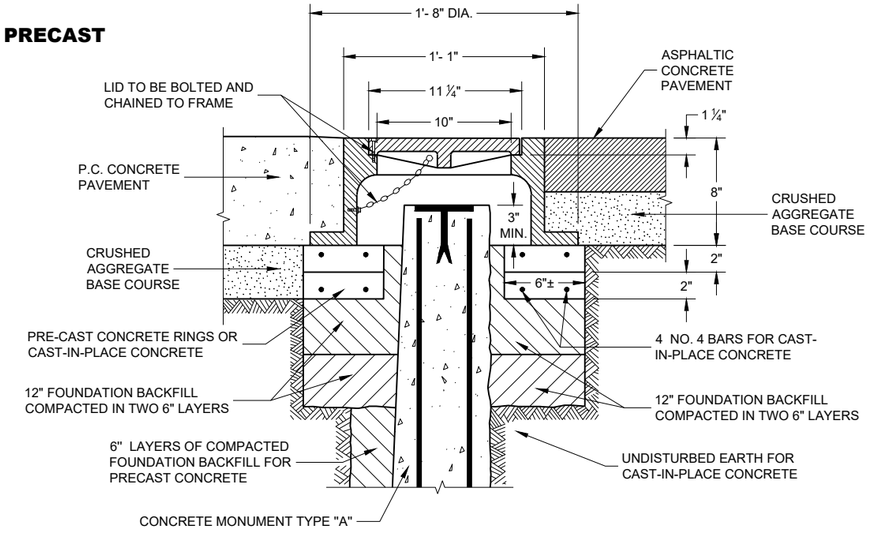


TYPE C
DRIVEN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS
(INCLUDES MARKER)



CAST IRON MONUMENT COVER
(APPROXIMATE WEIGHT 95 LBS)

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

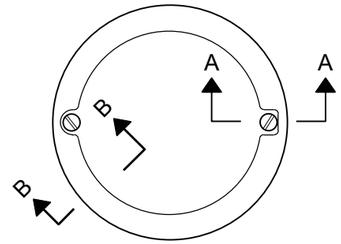
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

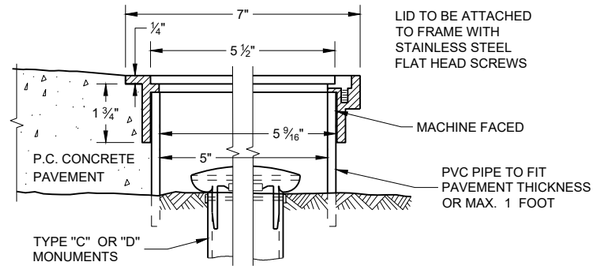
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WISDOT MARKER.



TOP VIEW



SECTION B-B **SECTION A-A**

ALUMINUM MONUMENT COVER
(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Raymond A. Kumapayii
CHIEF SURVEYING AND MA
ENGINEER

FHWA

6

SDD 16A01 - 07

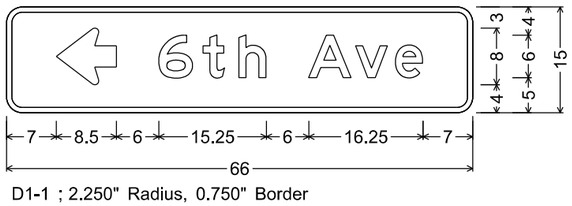
SDD 16A01 - 07



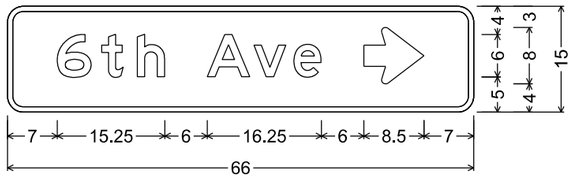
D1-1 ; 2.250" Radius, 0.750" Border



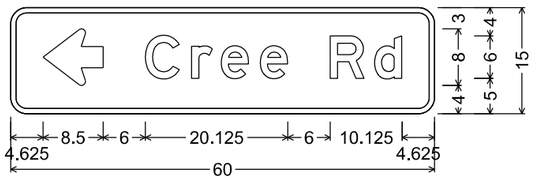
D1-1 ; 2.250" Radius, 0.750" Border



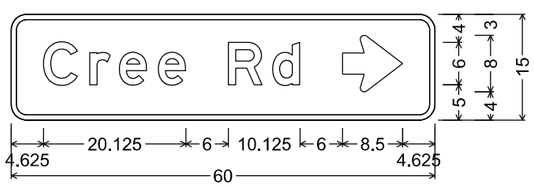
D1-1 ; 2.250" Radius, 0.750" Border



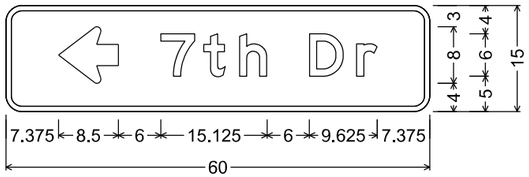
D1-1 ; 2.250" Radius, 0.750" Border



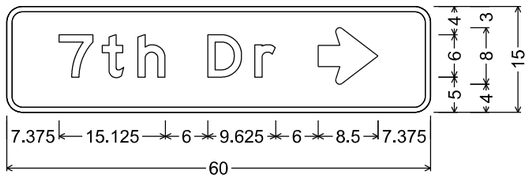
D1-1 ; 2.250" Radius, 0.750" Border



D1-1 ; 2.250" Radius, 0.750" Border



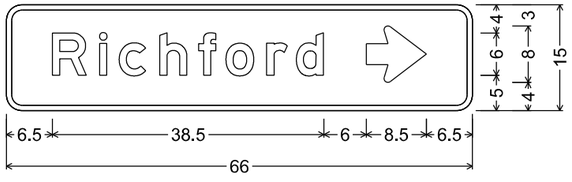
D1-1 ; 2.250" Radius, 0.750" Border



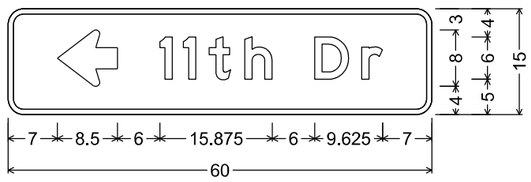
D1-1 ; 2.250" Radius, 0.750" Border



D1-1 ; 2.250" Radius, 0.750" Border



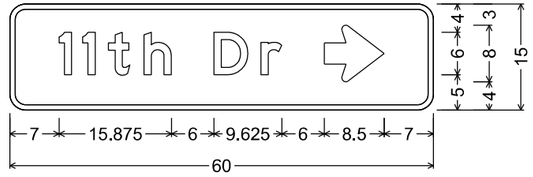
D1-1 ; 2.250" Radius, 0.750" Border



D1-1 ; 2.250" Radius, 0.750" Border

NOTES

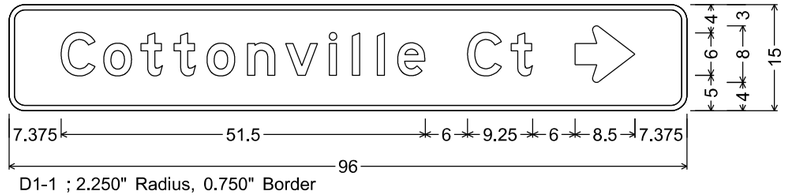
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



D1-1 ; 2.250" Radius, 0.750" Border



D1-1 ; 2.250" Radius, 0.750" Border



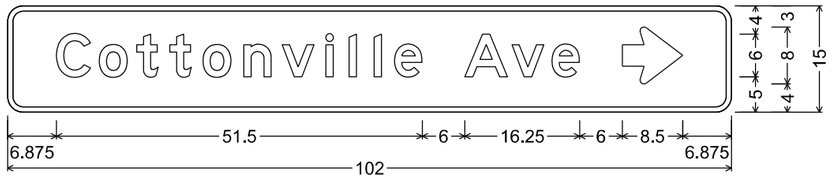
D1-1 ; 2.250" Radius, 0.750" Border

NOTES

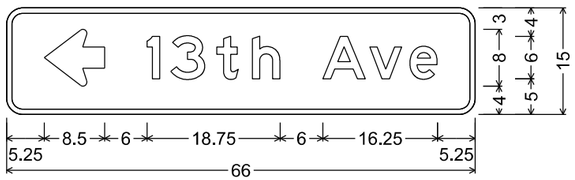
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



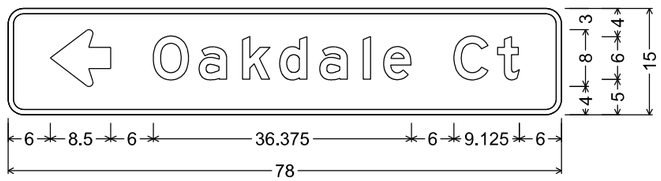
D1-1 ; 2.250" Radius, 0.750" Border



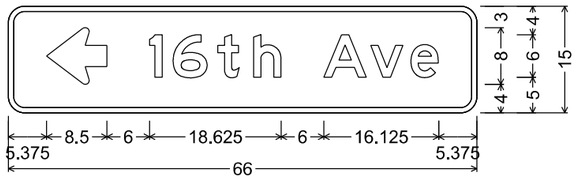
D1-1 ; 2.250" Radius, 0.750" Border



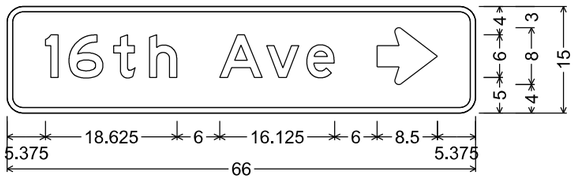
D1-1 ; 2.250" Radius, 0.750" Border



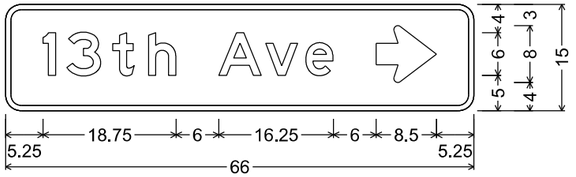
D1-1 ; 2.250" Radius, 0.750" Border



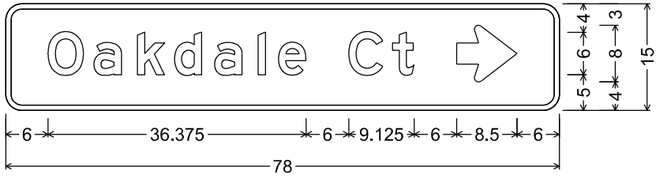
D1-1 ; 2.250" Radius, 0.750" Border



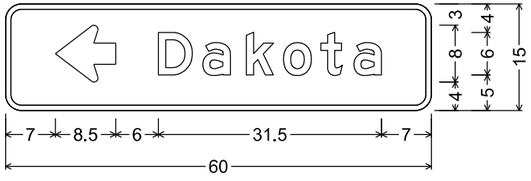
D1-1 ; 2.250" Radius, 0.750" Border



D1-1 ; 2.250" Radius, 0.750" Border



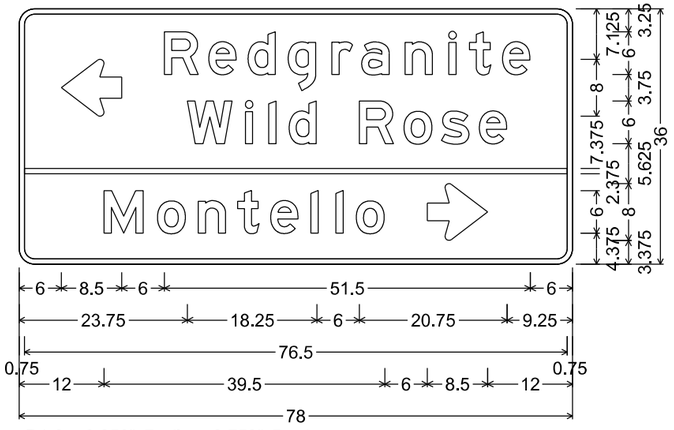
D1-1 ; 2.250" Radius, 0.750" Border



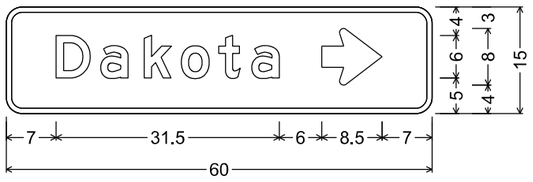
D1-1 ; 2.250" Radius, 0.750" Border



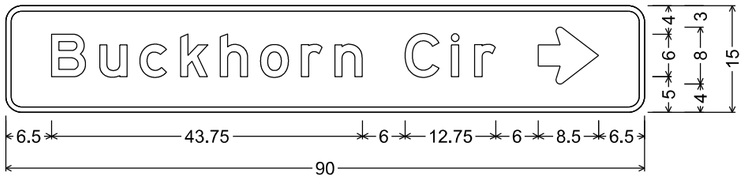
D1-1 ; 2.250" Radius, 0.750" Border



D1-3 ; 2.250" Radius, 0.750" Border



D1-1 ; 2.250" Radius, 0.750" Border



D1-1 ; 2.250" Radius, 0.750" Border

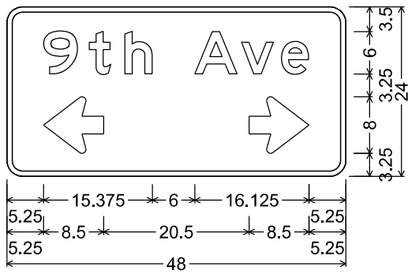
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7

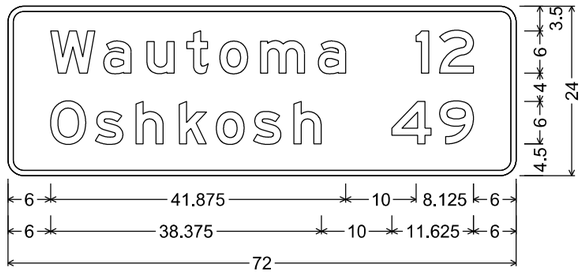
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	PERMANENT SIGNING	SHEET NO: 300	E

NOTES

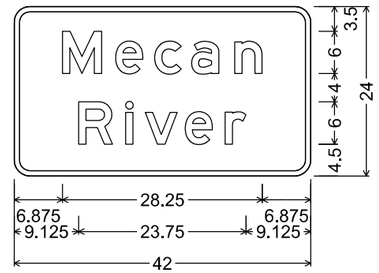
1. All Signs Type II - Type H Reflective
2. Color:
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   Message - White
3. Message Series - E except as noted



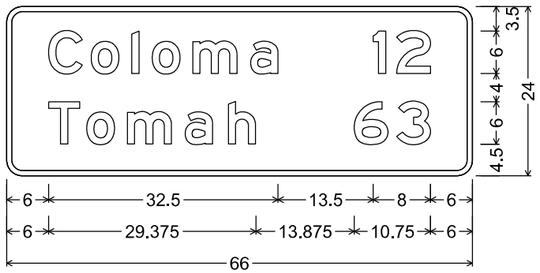
D1-61; 2.250" Radius, 0.750" Border



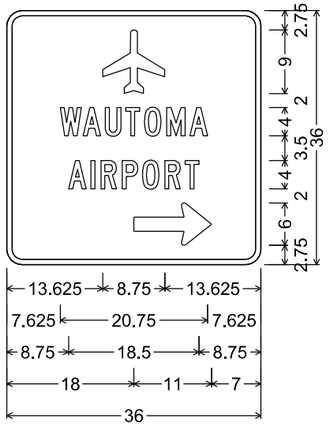
D2-2; 2.250" Radius, 0.750" Border



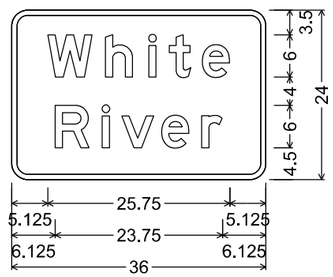
I3-1; 2.250" Radius, 0.750" Border



D2-2; 2.250" Radius, 0.750" Border



D9-52R; 2.250" Radius, 0.750" Border
"WAUTOMA", C; "AIRPORT", C

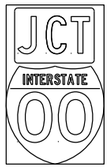


I3-1; 2.250" Radius, 0.750" Border

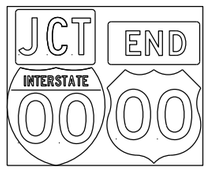
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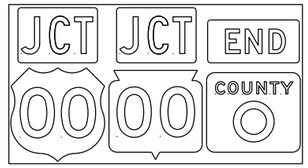
TYPICAL ASSEMBLIES



J1-1



J1-2



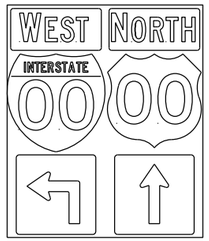
J1-3



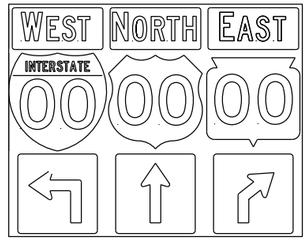
JR1-1



J2-1



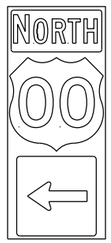
J2-2



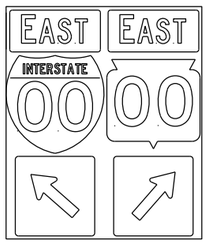
J2-3



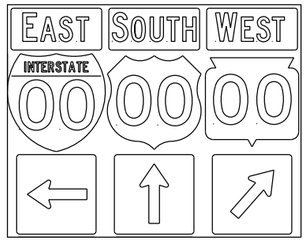
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



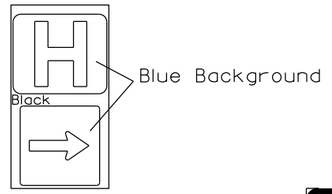
J3-1



J3-2



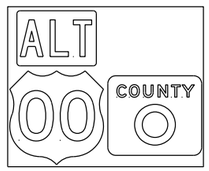
J3-3



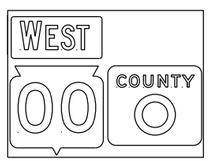
JH-1



J4-1



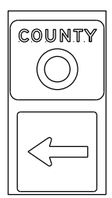
J4-2



J4-2



J12-1



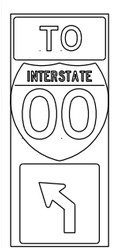
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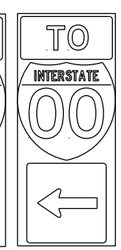
J32-1



J33-1



J22-1



J23-1



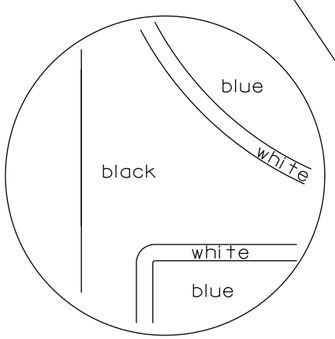
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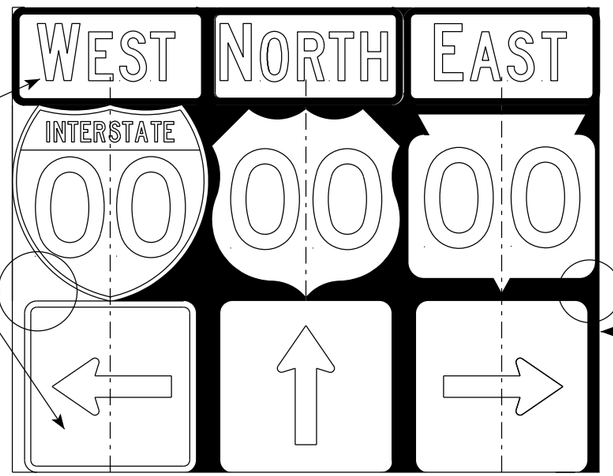


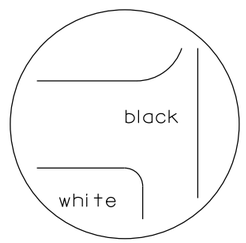
JR23-1



JR99-1







black background

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

SHEET NO: 302 E

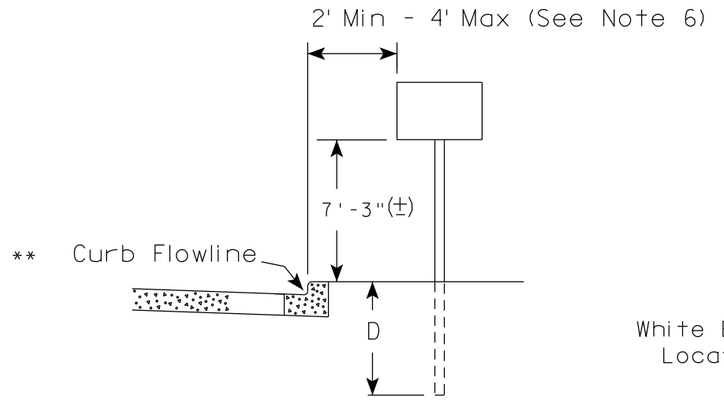
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

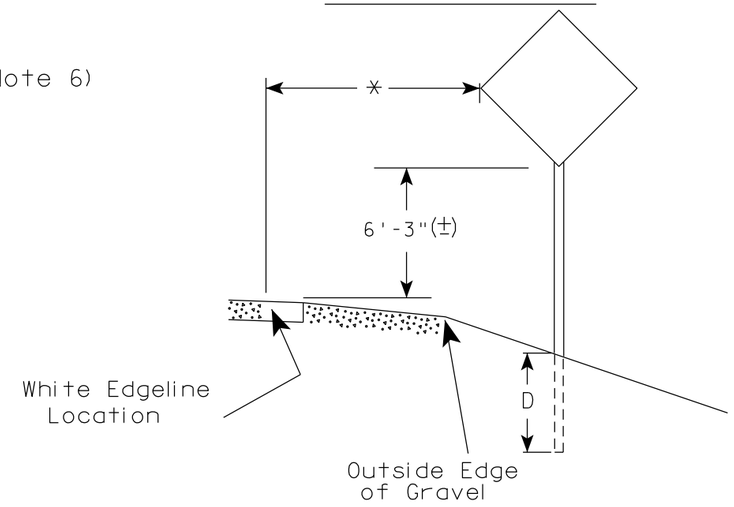
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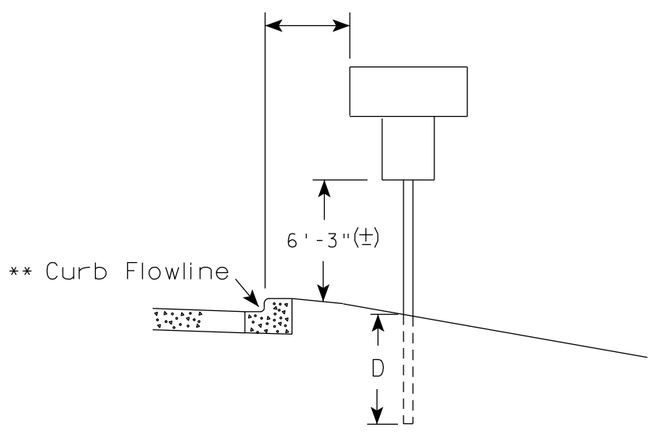
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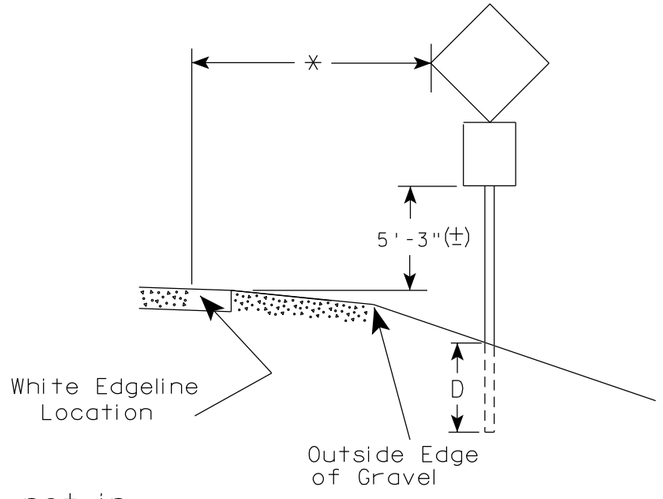
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

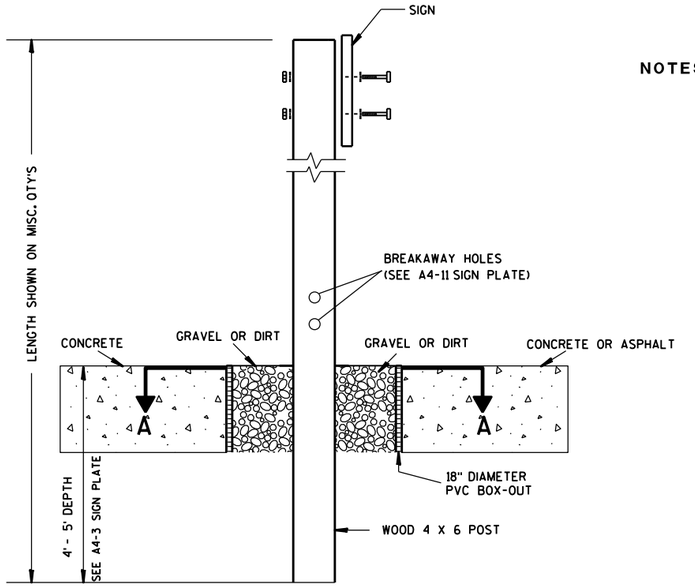
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

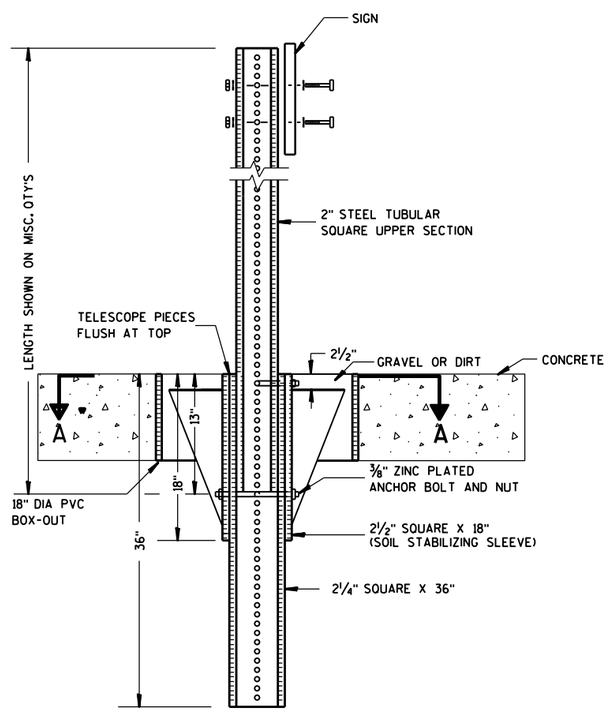
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 303	E



ELEVATION VIEW

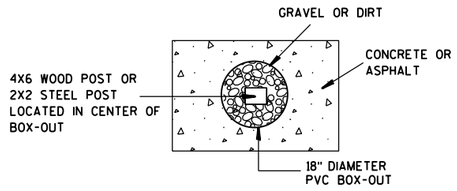
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

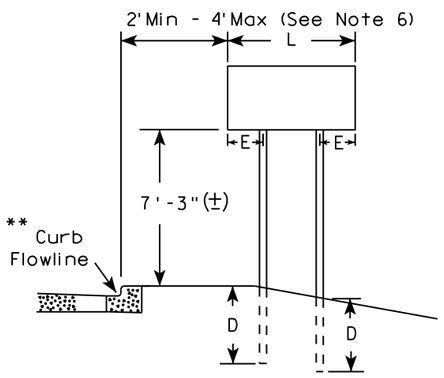
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

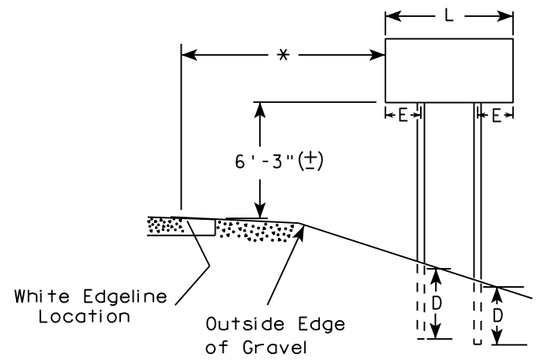
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

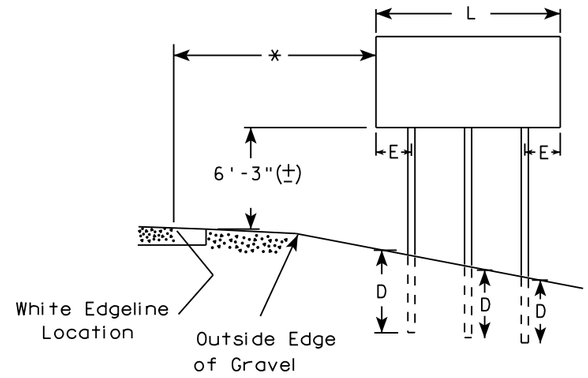
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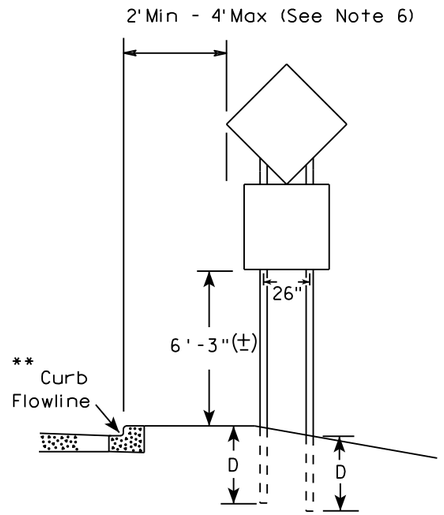
URBAN AREA



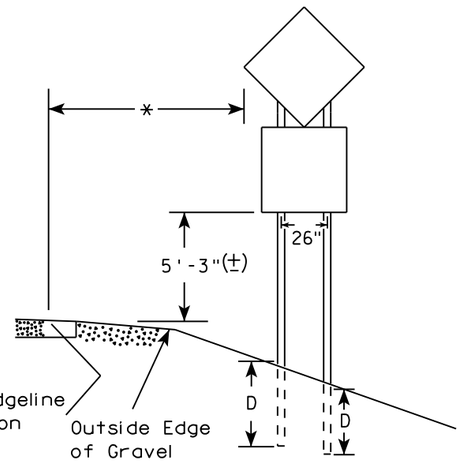
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

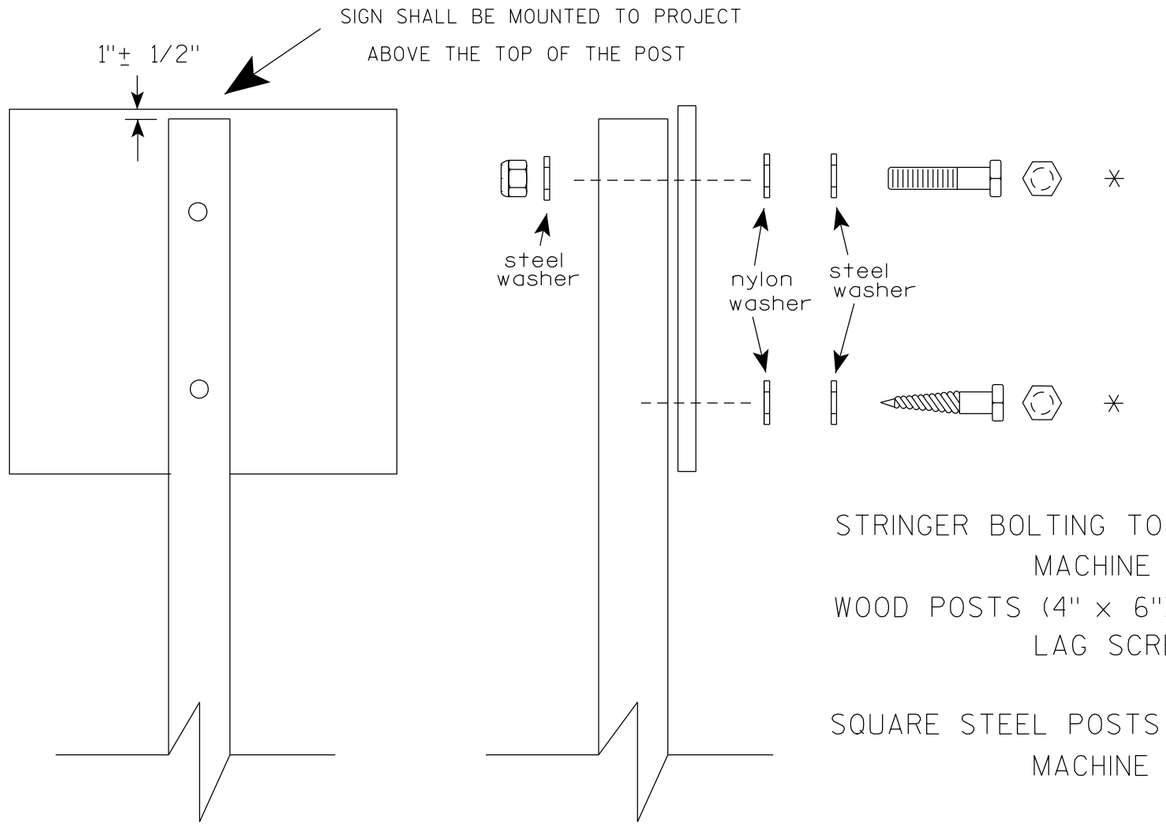
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 305	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

SHEET NO: 306 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

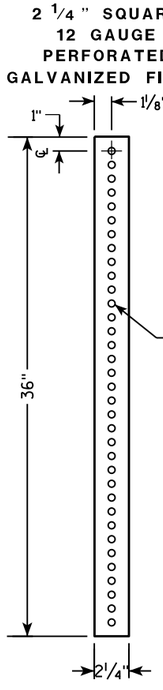
WISDOT/CADDS SHEET 42

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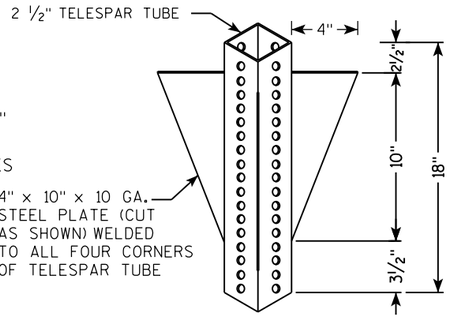
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TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

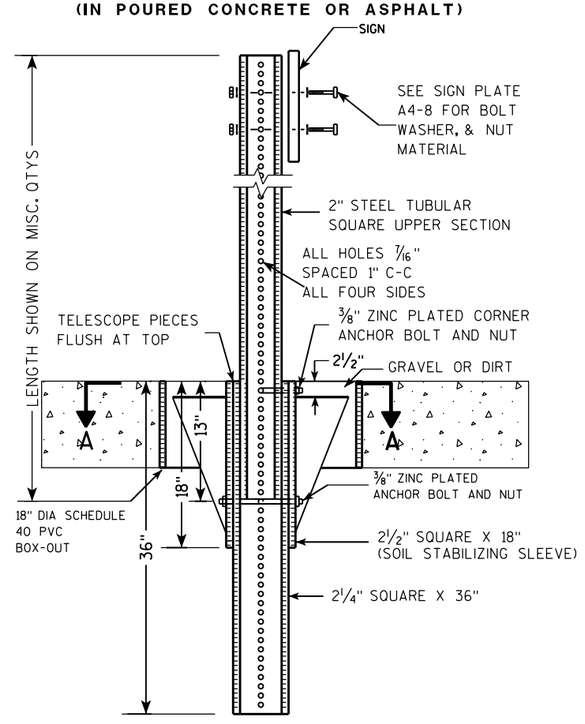
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



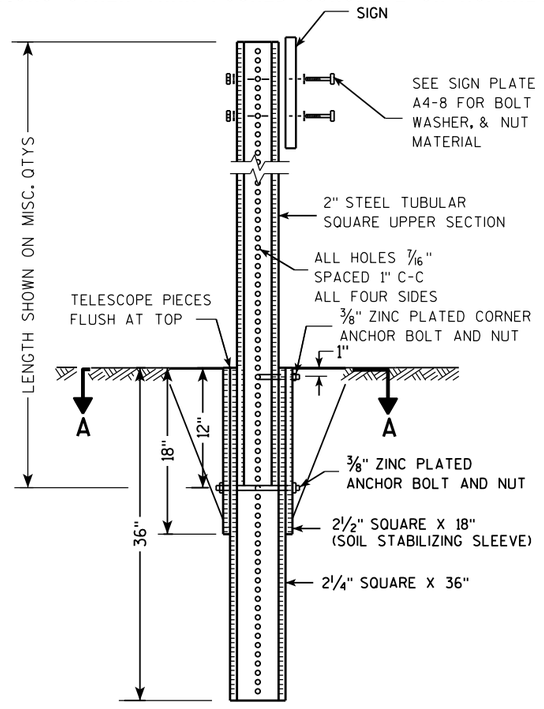
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12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

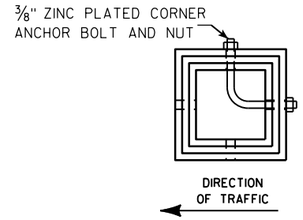


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

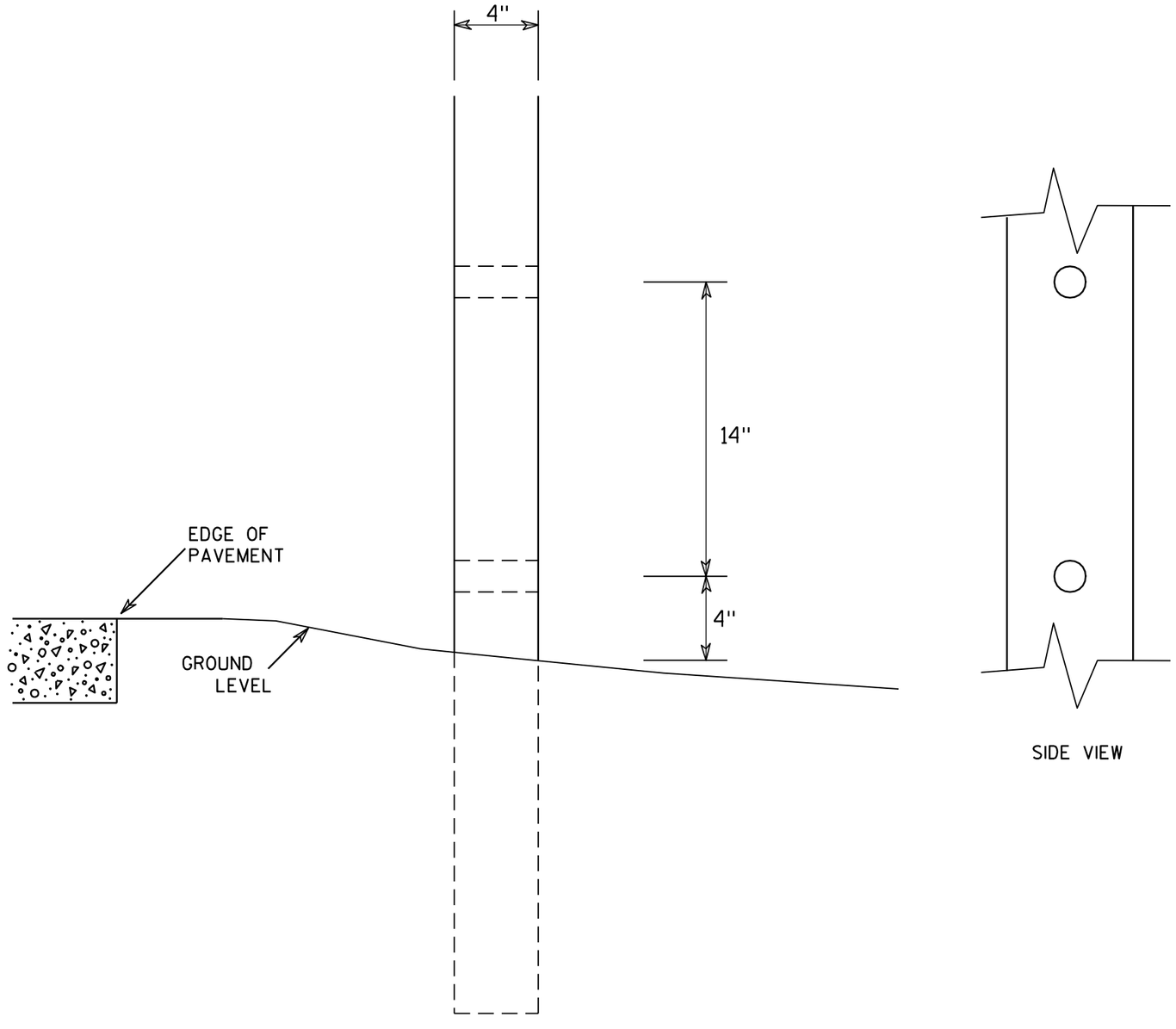
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 307 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

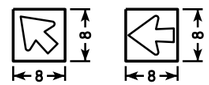
APPROVED Chester J Spang
for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

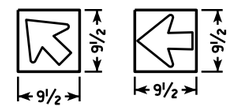
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 308	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES

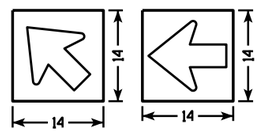




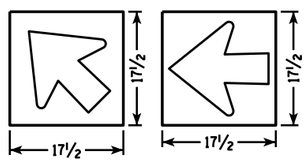










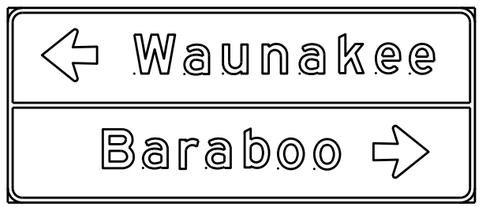


GENERAL NOTES

1. Materials shall conform to Standard Specification Section 637.
   Base - Sheet Aluminum 0.040" Thickness
   Sheeting - Orange Type F Reflective
   Arrow - Black Non-Reflective
2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws. There shall be a minmum of 2 fasteners used per arrow sign.
3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
4. Arrows are per standard plate A1-2
5. Use separate arrow sign for each destination
6. Tilt arrow is always at 45 degrees
7. Arrow is centered on arrow sign

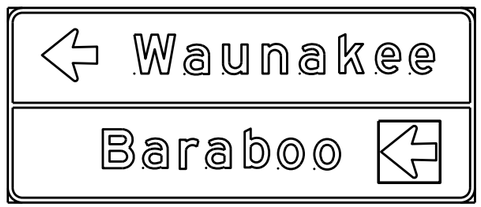
Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

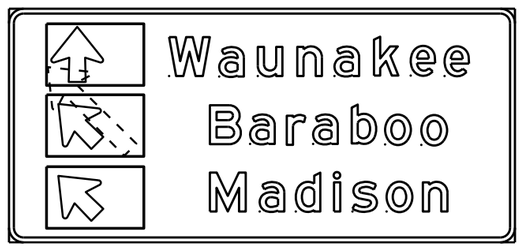
BEFORE





AFTER





DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

A4-12.2

PROJECT NO:

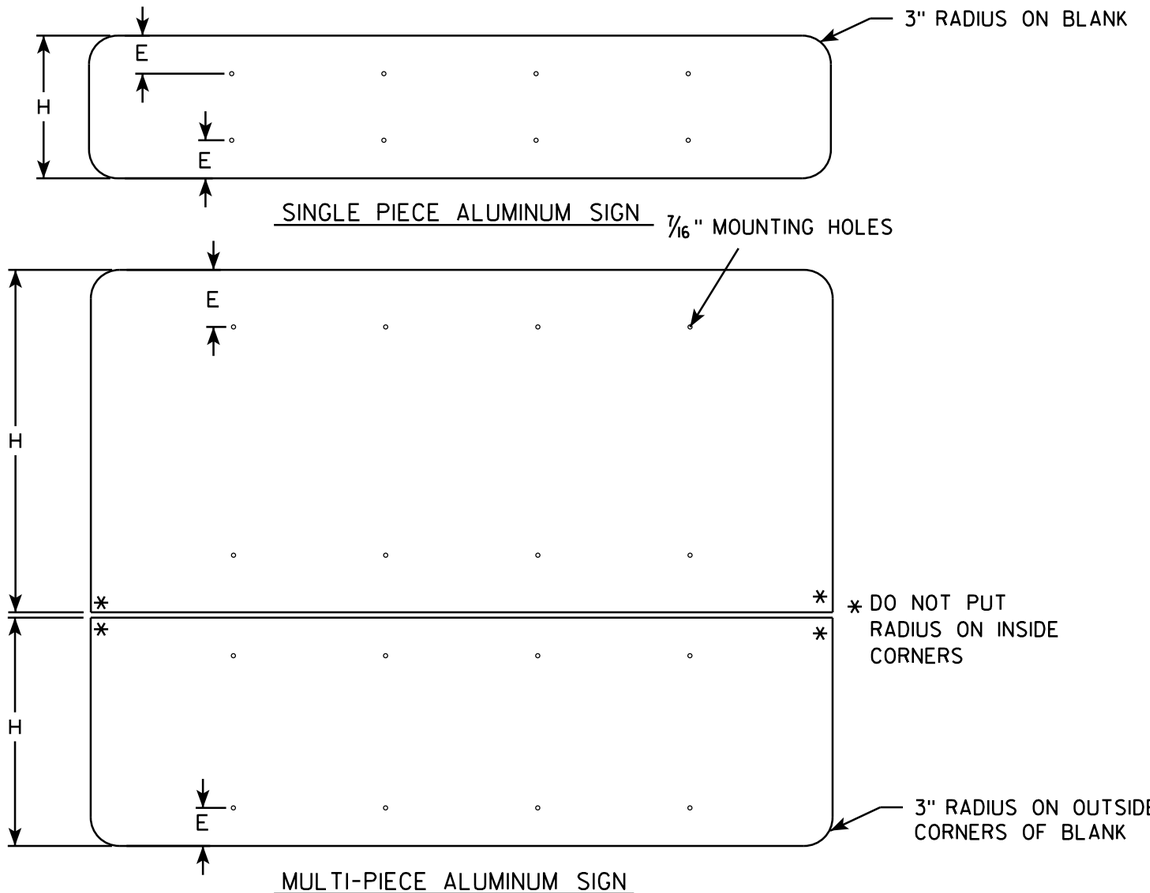
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WISDOT/CADDS SHEET 42

7

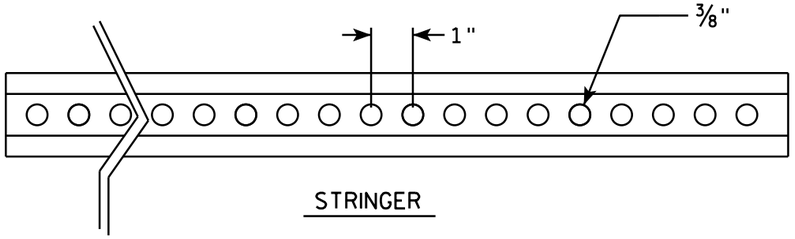
7



GENERAL NOTES

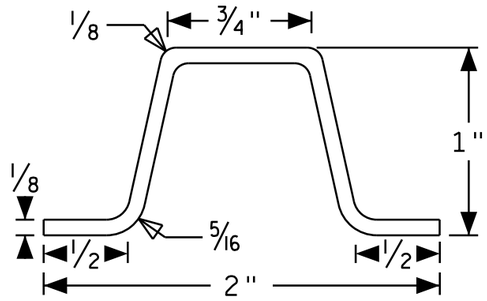
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

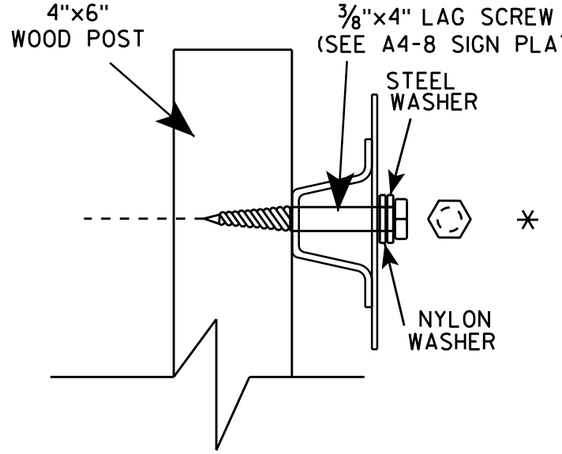


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

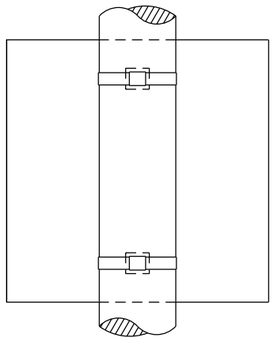
DATE 4/26/16 PLATE NO A4-18.1

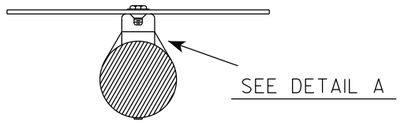
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

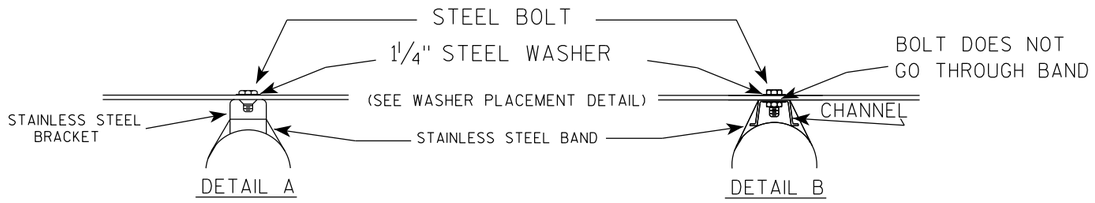
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

SINGLE SIGN



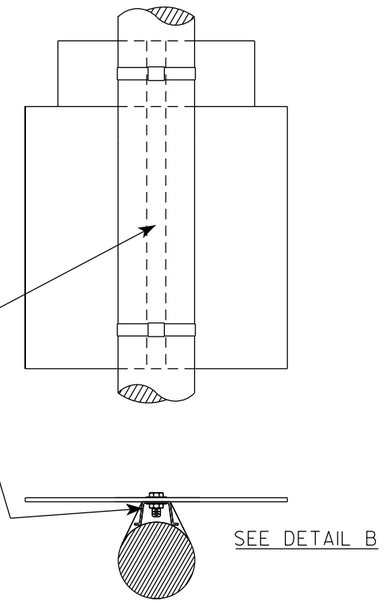




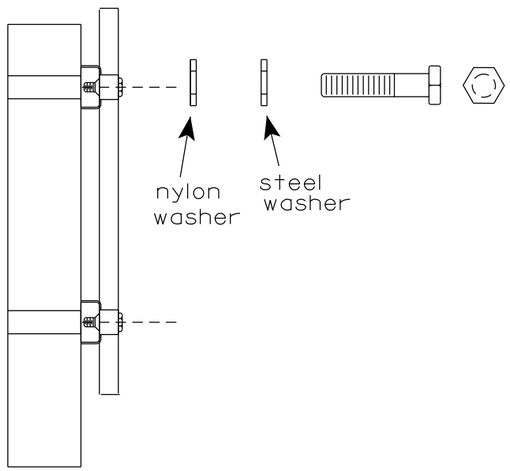
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

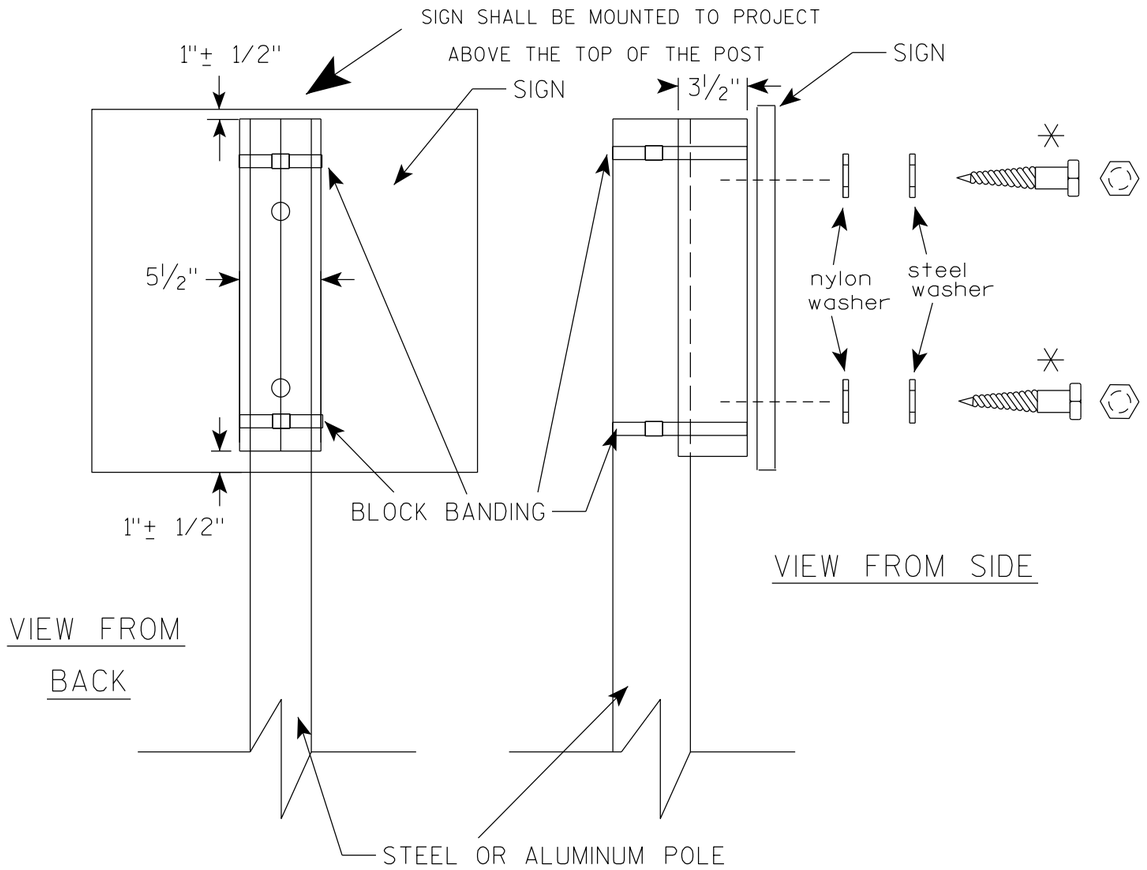
DATE 6/10/19 PLATE NO. A5-9.4

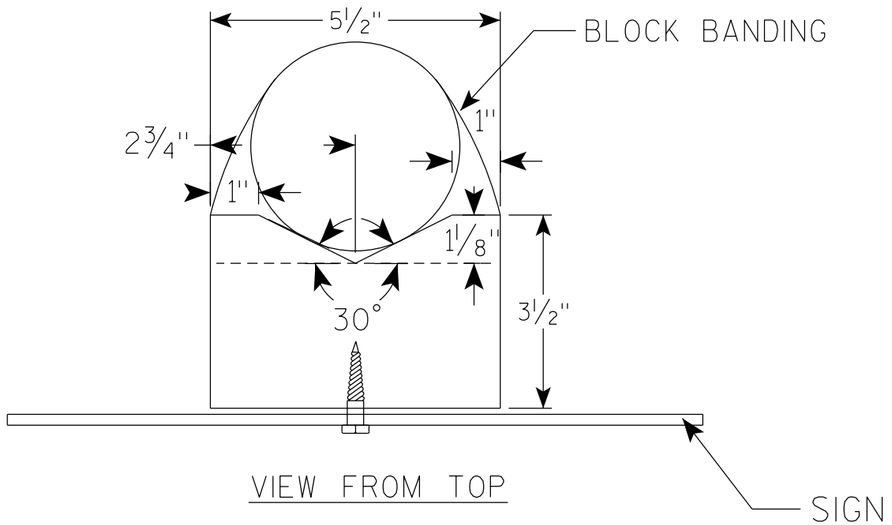
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 311	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

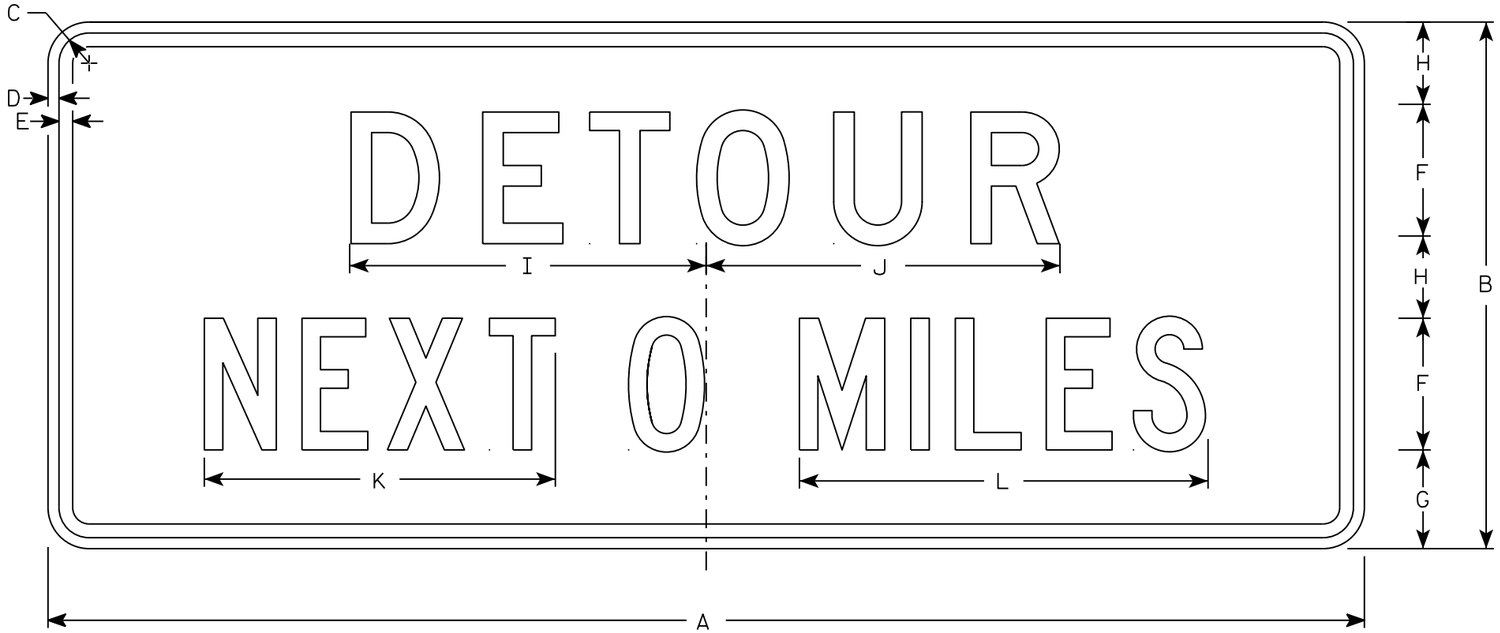
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 312 E



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
5																											

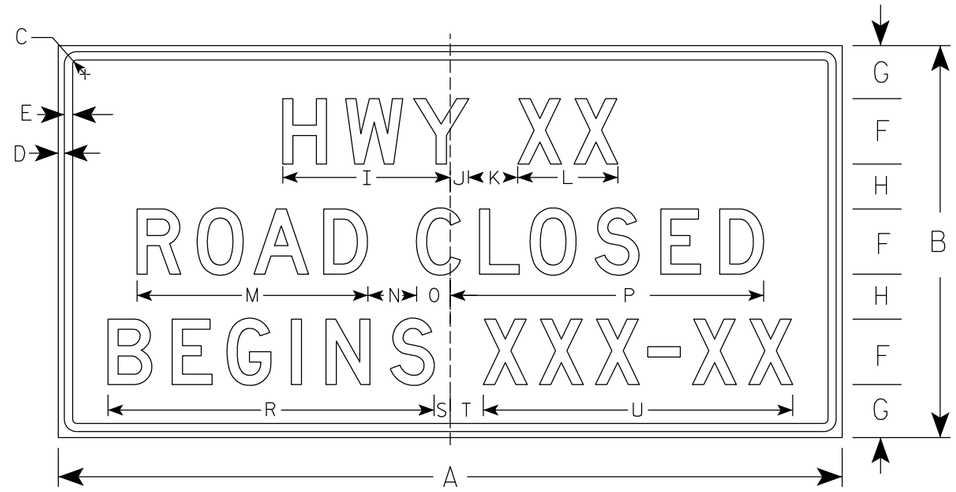
STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

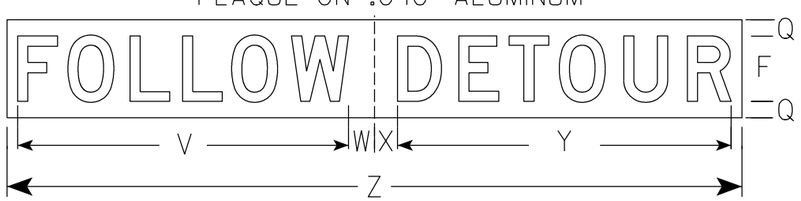
DATE 3/14/17 PLATE NO. G20-51.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 313	E



G20-57C

PLAQUE ON .040" ALUMINUM



USE ONLY ONCE WHEN ROAD IS CLOSED

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/8	5	2 7/8	29	2	30	1 3/4	3 1/4	28 3/8	40 1/2	2	2	29 3/4	66	18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	2 1/4	6	12 1/4	28 1/4	6	4 1/8	38 3/8	2	39 7/8	2	4	37 7/8	29 3/4	3 1/8	2 7/8	40 7/8	90	32.0
5																											

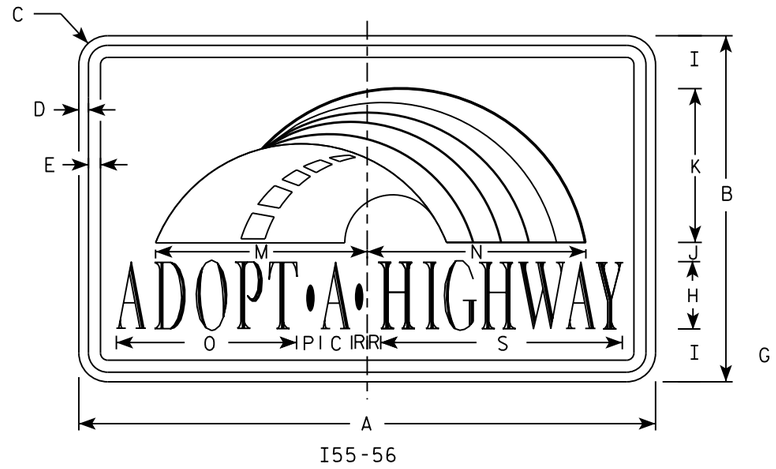
STANDARD SIGN
G20-57C

WISCONSIN DEPT OF TRANSPORTATION

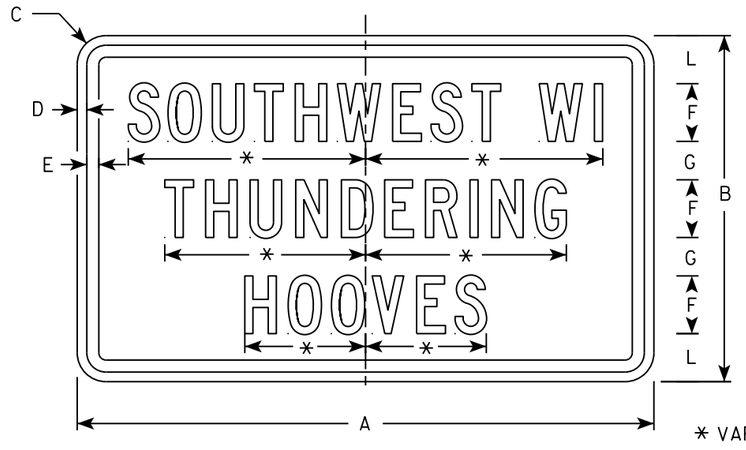
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/25/19 PLATE NO. G20-57C.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 314 E



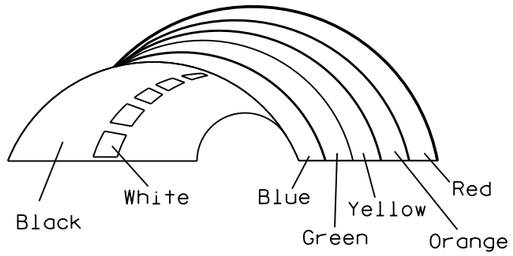
I55-56



I55-56P

* VARIES

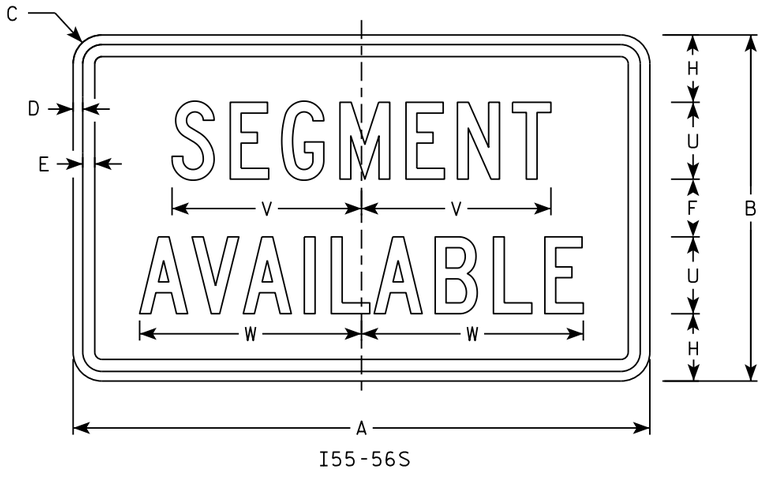
Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - (See Note 4)
3. Message Series - (See Note 5)
4. Border - Blue
   Adopt a Highway - Red
   All other Text - Blue
5. Adopt a Highway - Dutch 8011L
   All other Text - Series C
6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



I55-56S

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 3/4	1	8	2 1/2	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

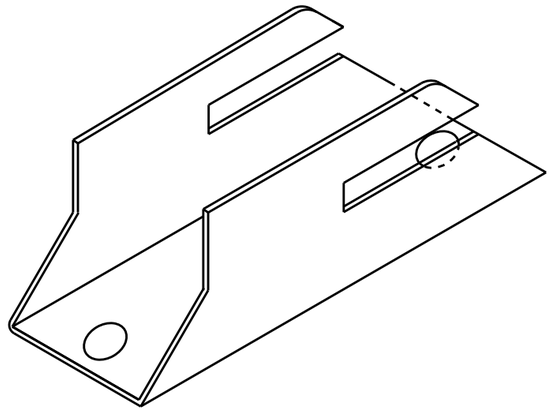
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 315 | E

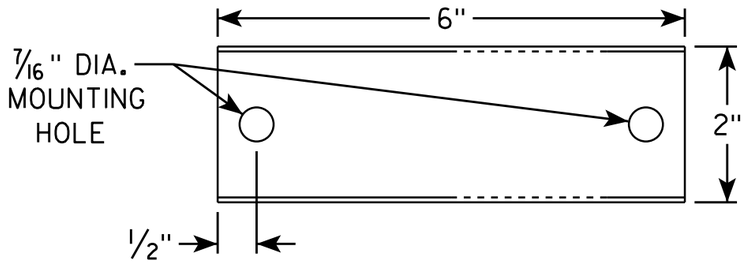
7

7

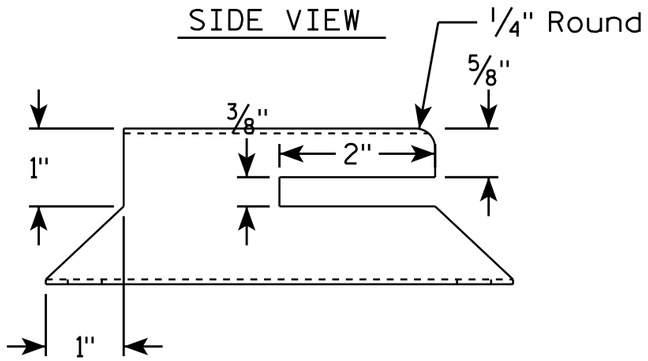
ISOMETRIC VIEW



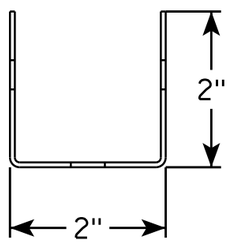
TOP VIEW



SIDE VIEW



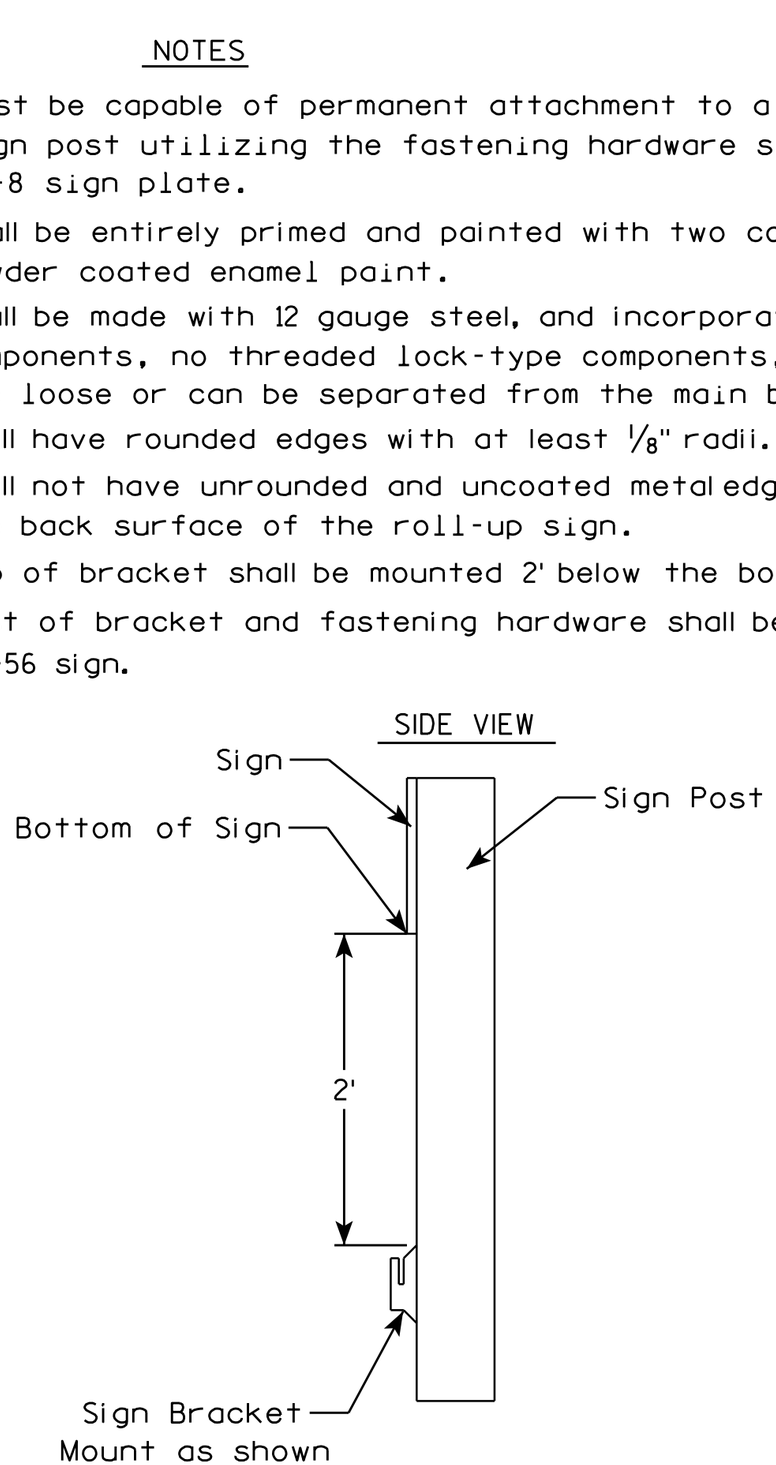
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

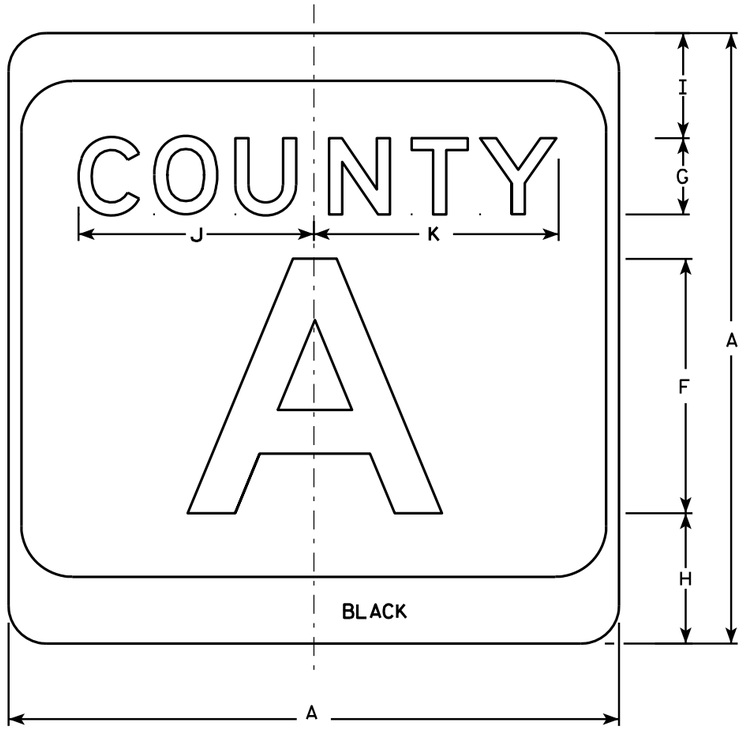
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

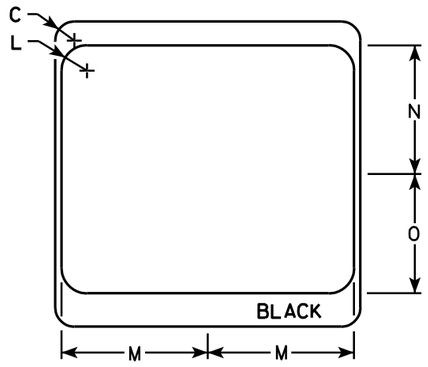
DATE 4/26/16 PLATE I55-56B.2

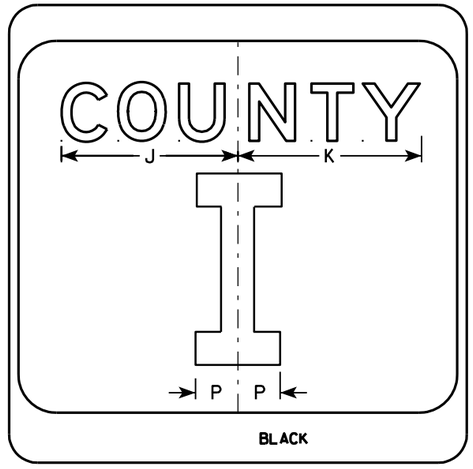
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

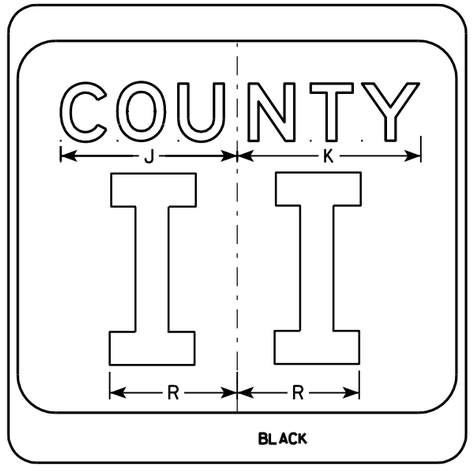
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000
WISDOT/CADDS SHEET 42



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

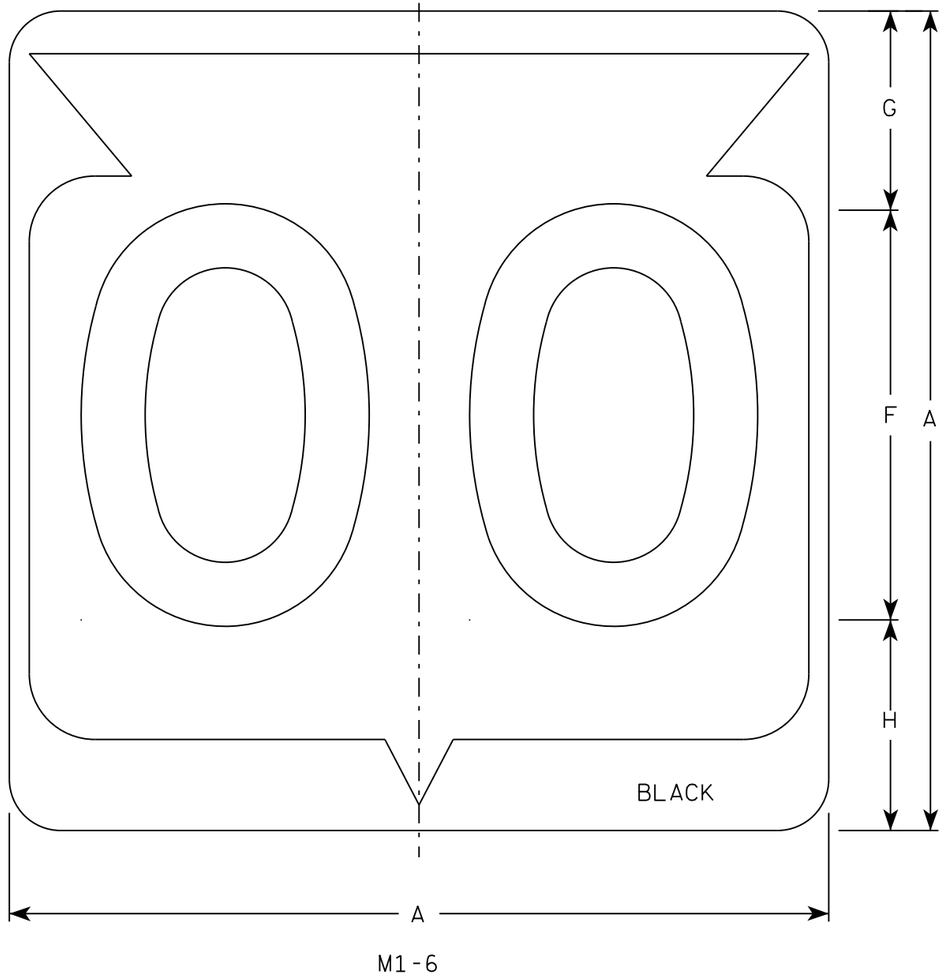
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 317 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M15A.DGN PLOT DATE : 29-SEP-2011 11:25 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

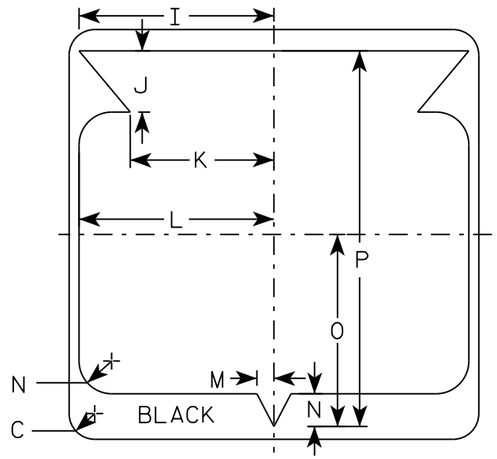
WISDOT/CADDS SHEET 42



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

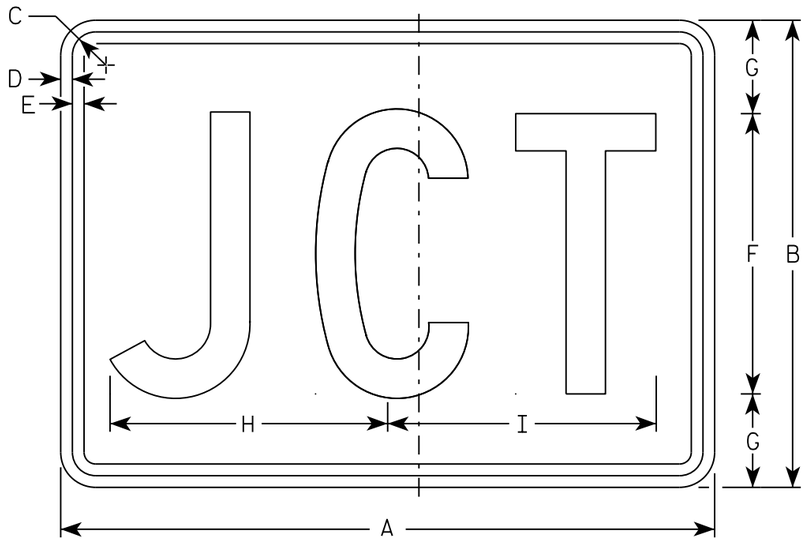
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

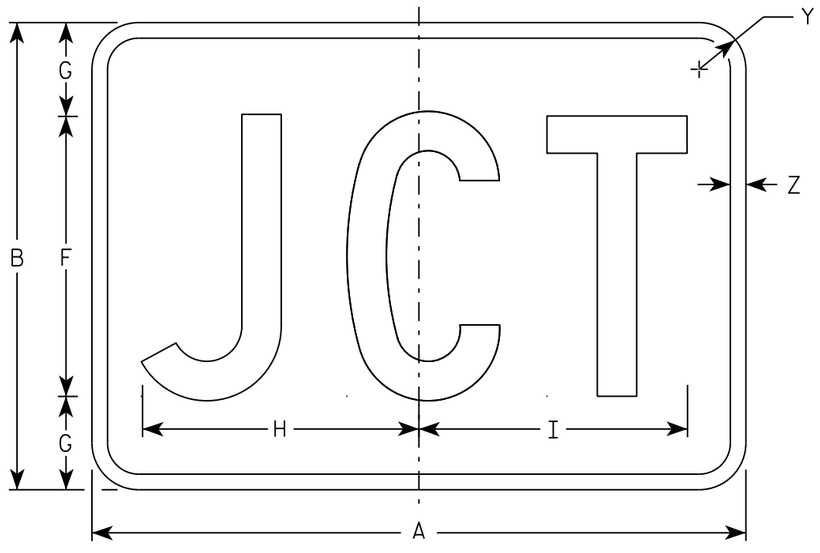
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 318 | E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

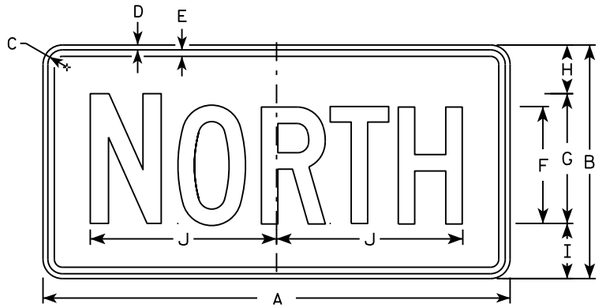
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

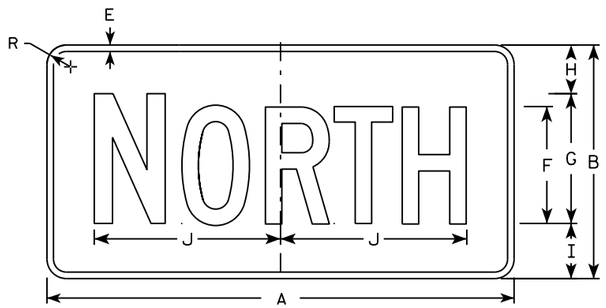
DATE 10/15/15 PLATE 319 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



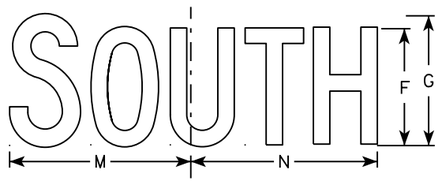
MB3-1
MK3-1
MN3-1



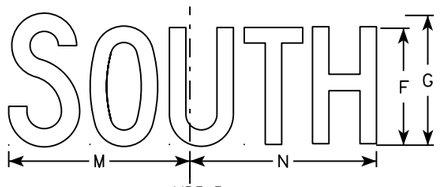
M3-2
MM3-2
MP3-2



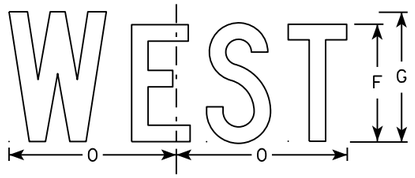
MB3-2
MK3-2
MN3-2



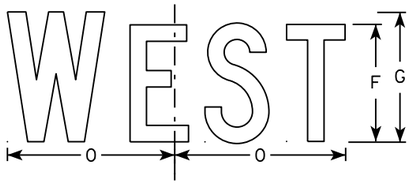
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

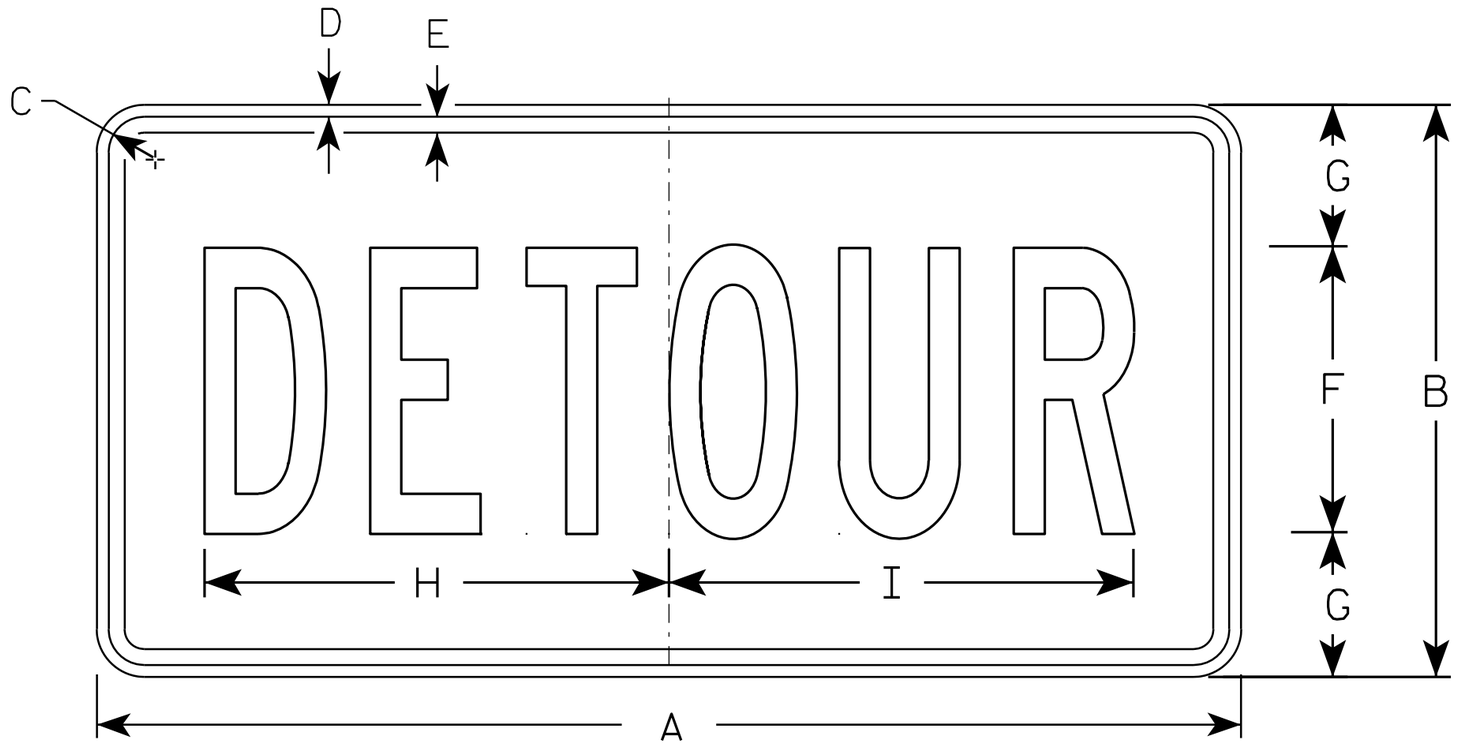
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

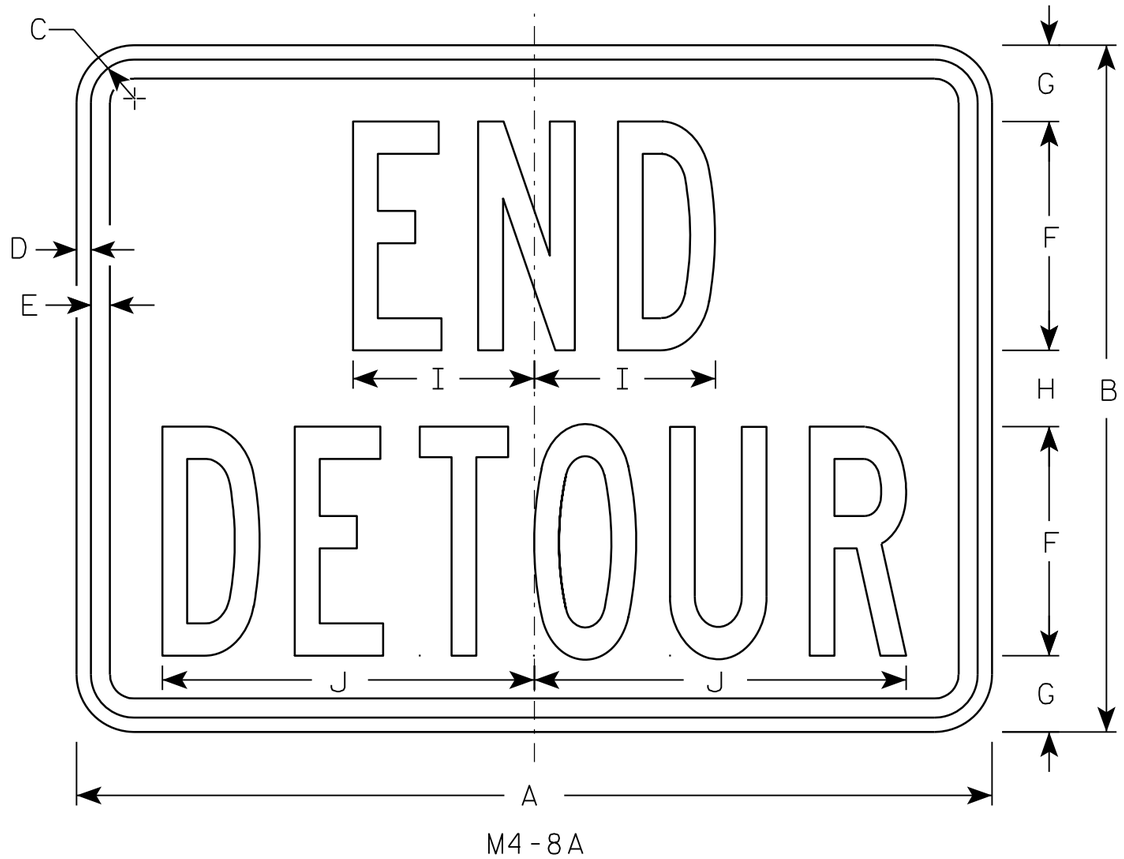
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 321	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

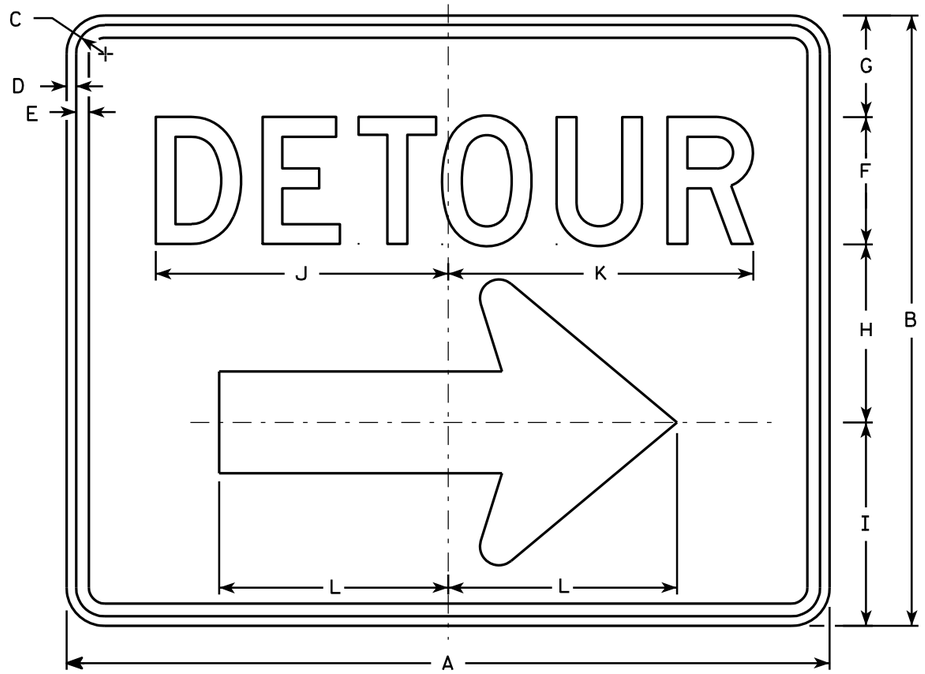
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

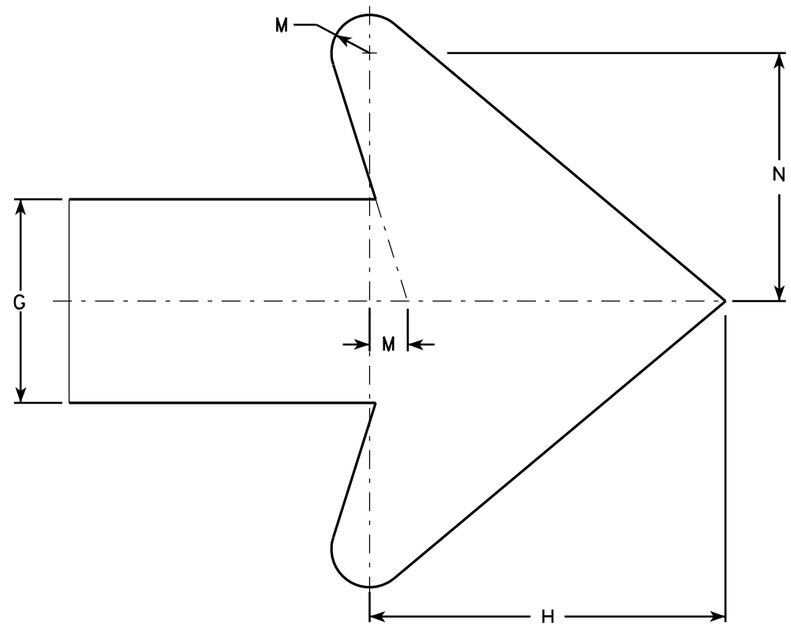
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 322	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

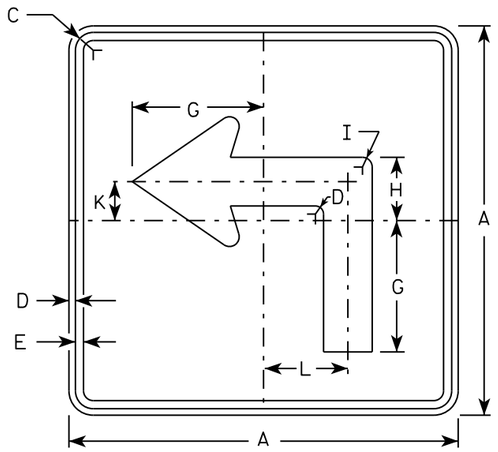
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

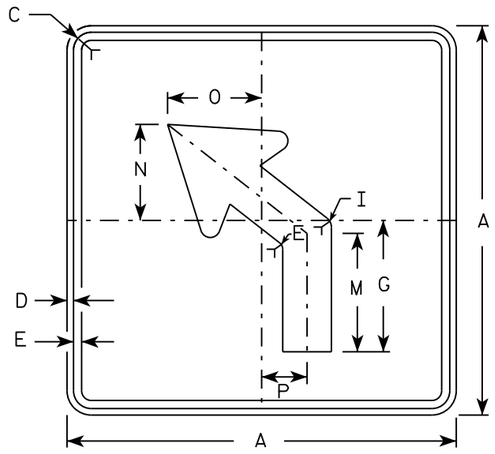
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

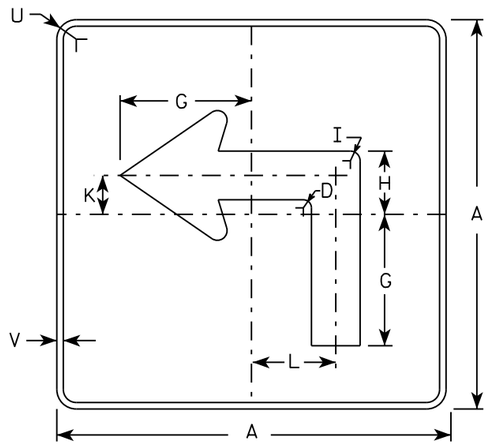
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 323 | E



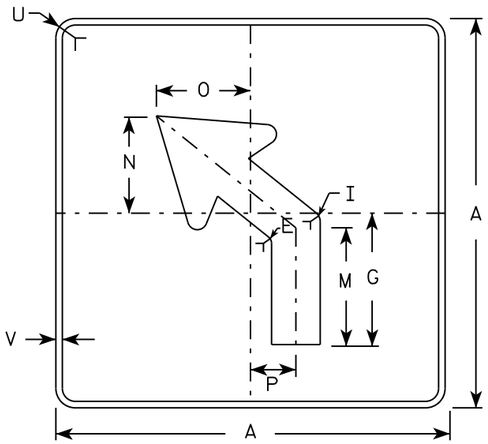
M5-1L
MM5-1L
MO5-1L
MP5-1L



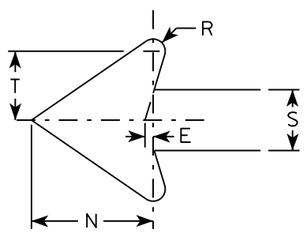
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

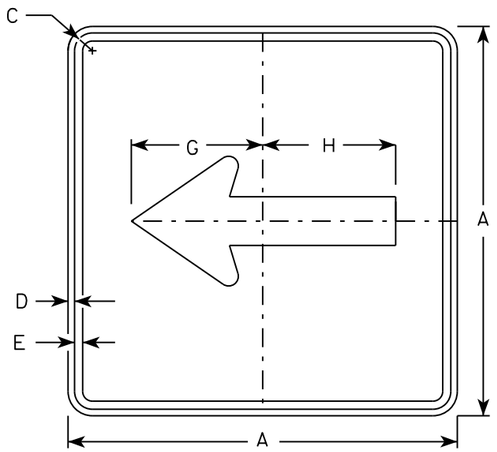
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

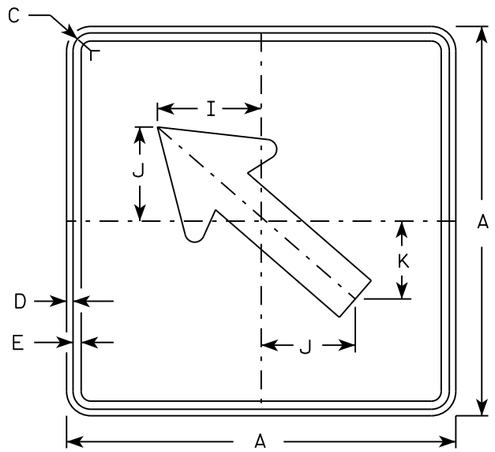
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



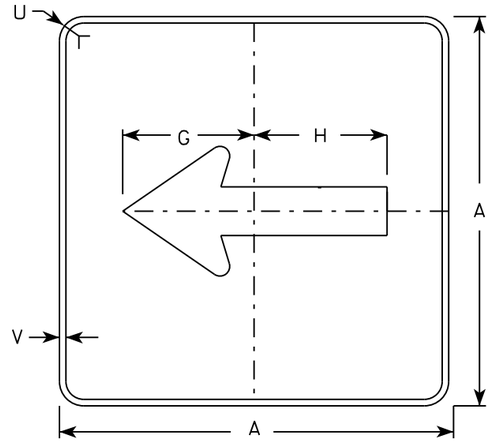
M6-1
MM6-1
MO6-1
MP6-1



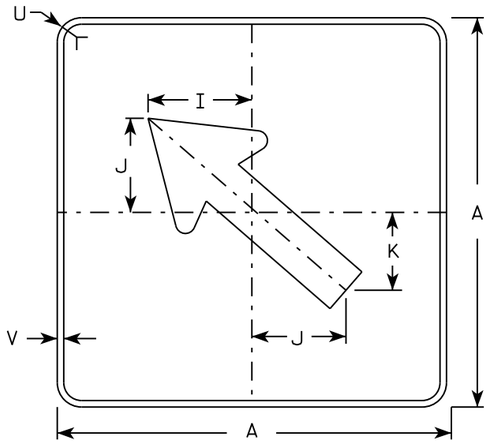
M6-2
MM6-2
MO6-2
MP6-2

NOTES

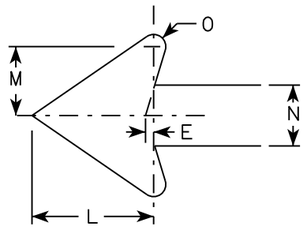
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

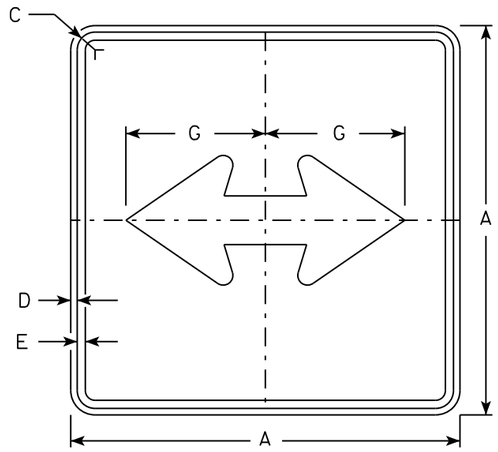
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

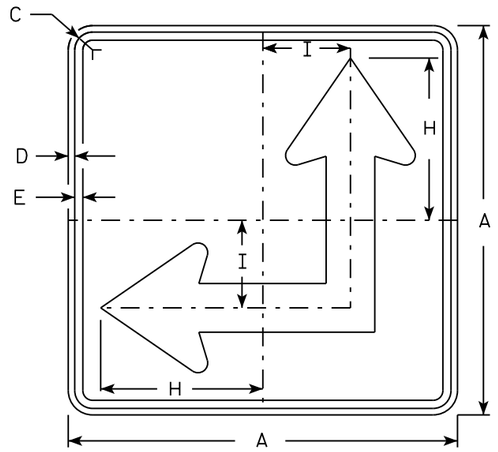
DATE 10/15/15 PLATE 325 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



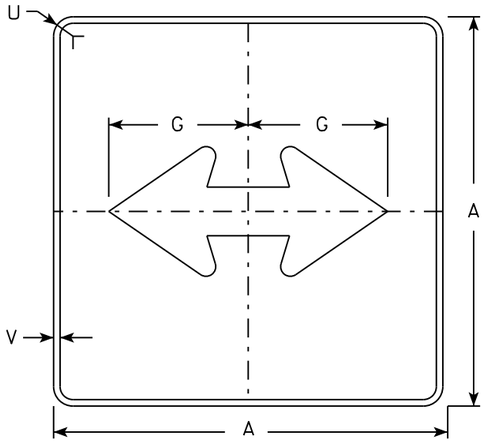
M6-4
MM6-4
MO6-4
MP6-4



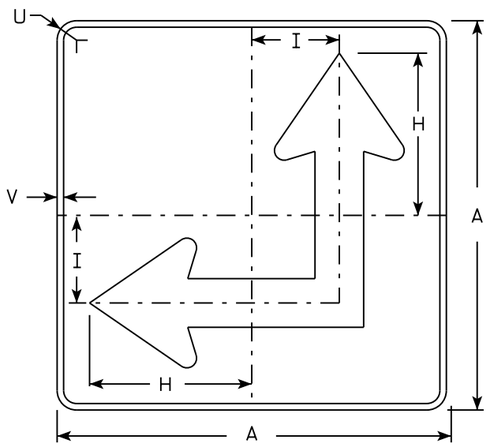
M6-6
MM6-6
MO6-6
MP6-6

NOTES

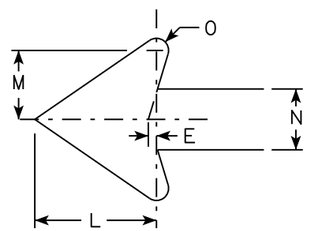
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

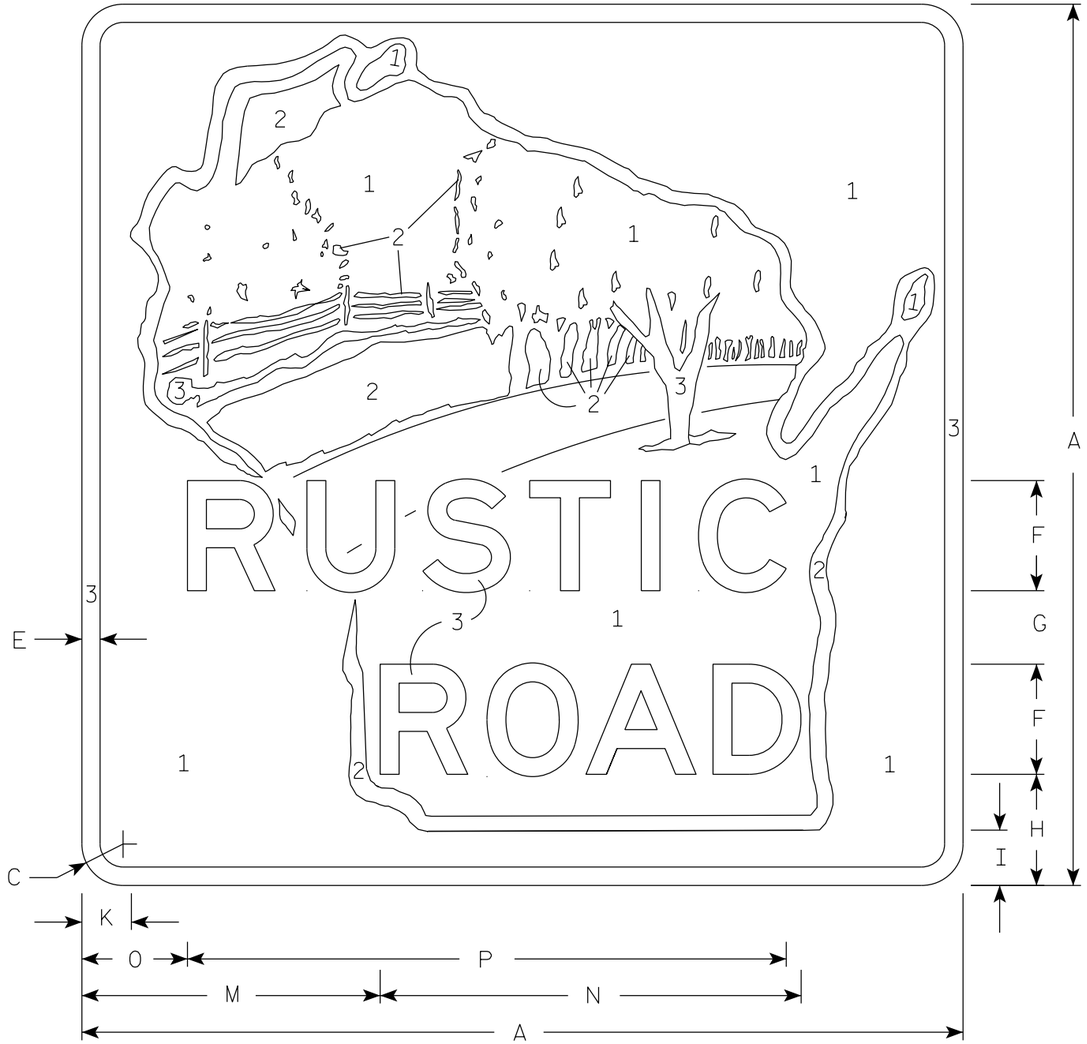
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 326 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 4
   Message - See note 4
3. Message Series - Modified E
4. The sign will be color coded by numerical designation Numeral *1 Brown
   2 White
   3 Yellow

   Exact color descriptions will be furnished upon request.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/8		1/2	3	2	3	1 1/2		1 3/8		8 1/8	11 1/4	2 7/8	16 1/4											4.0
3	36		1 5/8		3/4	4 1/2	3	4 1/2	2 1/4		2		12 1/8	17 1/4	4 3/8	24 1/2											9.0
4	36		1 5/8		3/4	4 1/2	3	4 1/2	2 1/4		2		12 1/8	17 1/4	4 3/8	24 1/2											9.0
5																											

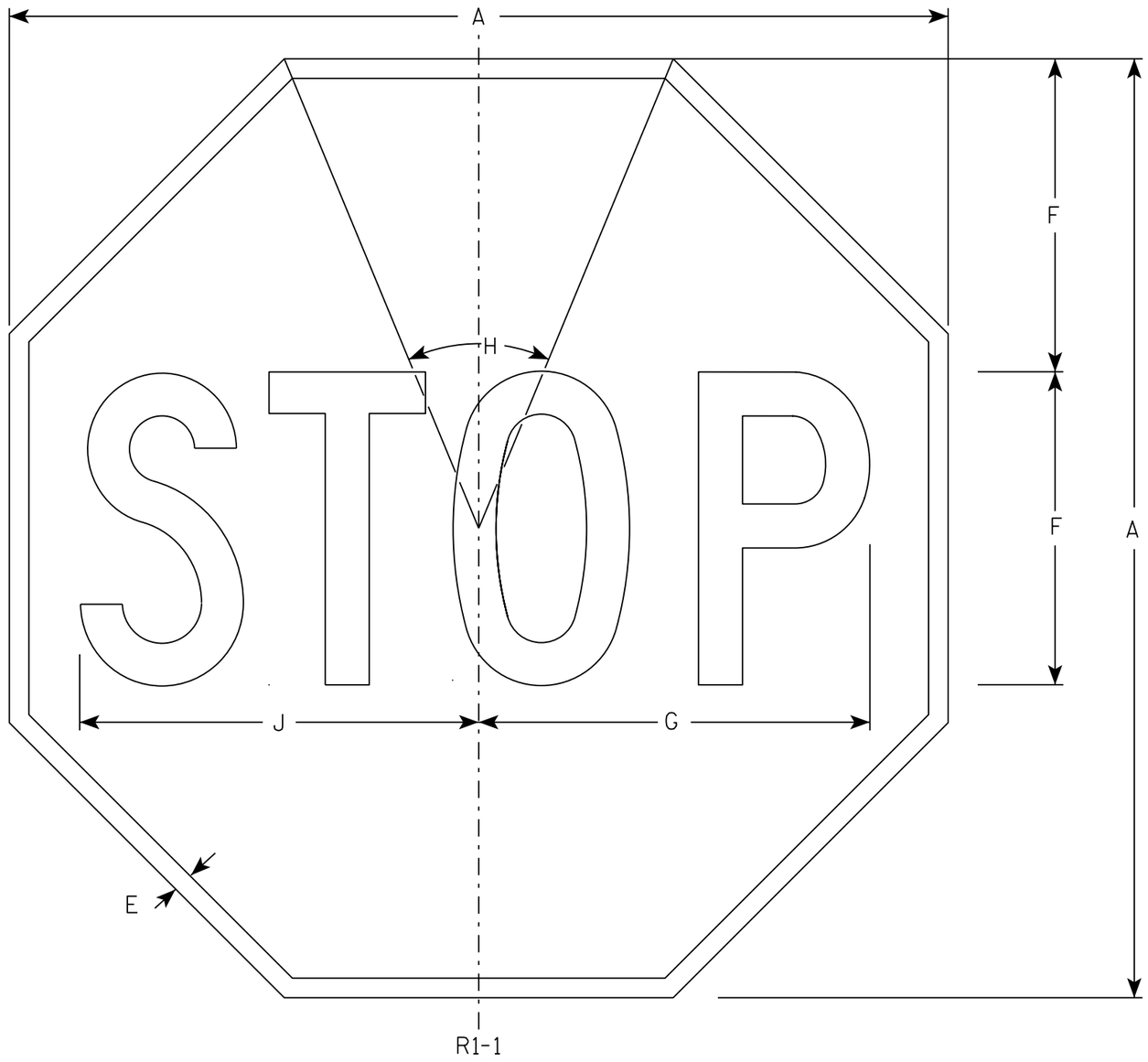
STANDARD SIGN
MR1-99

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. MR1-99.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 327	E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

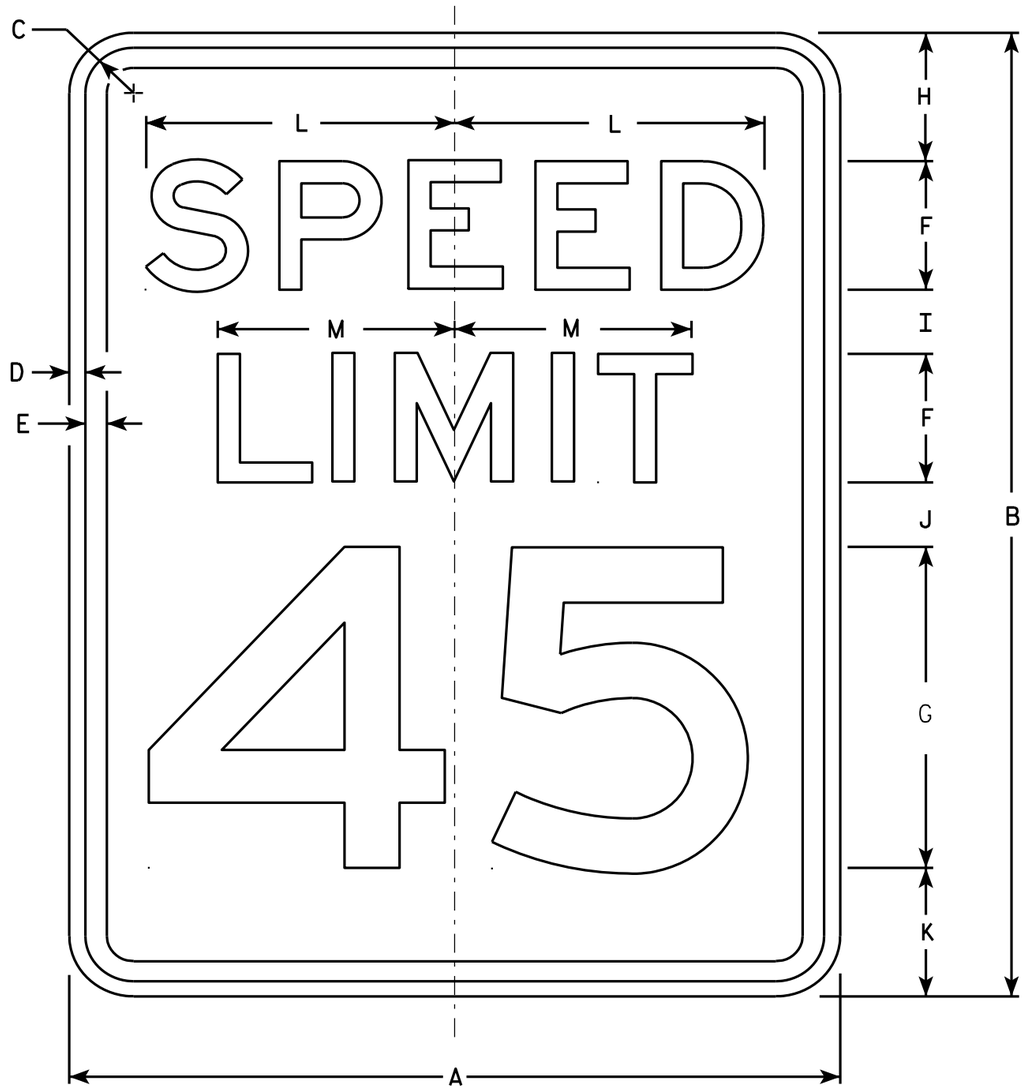
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 328	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

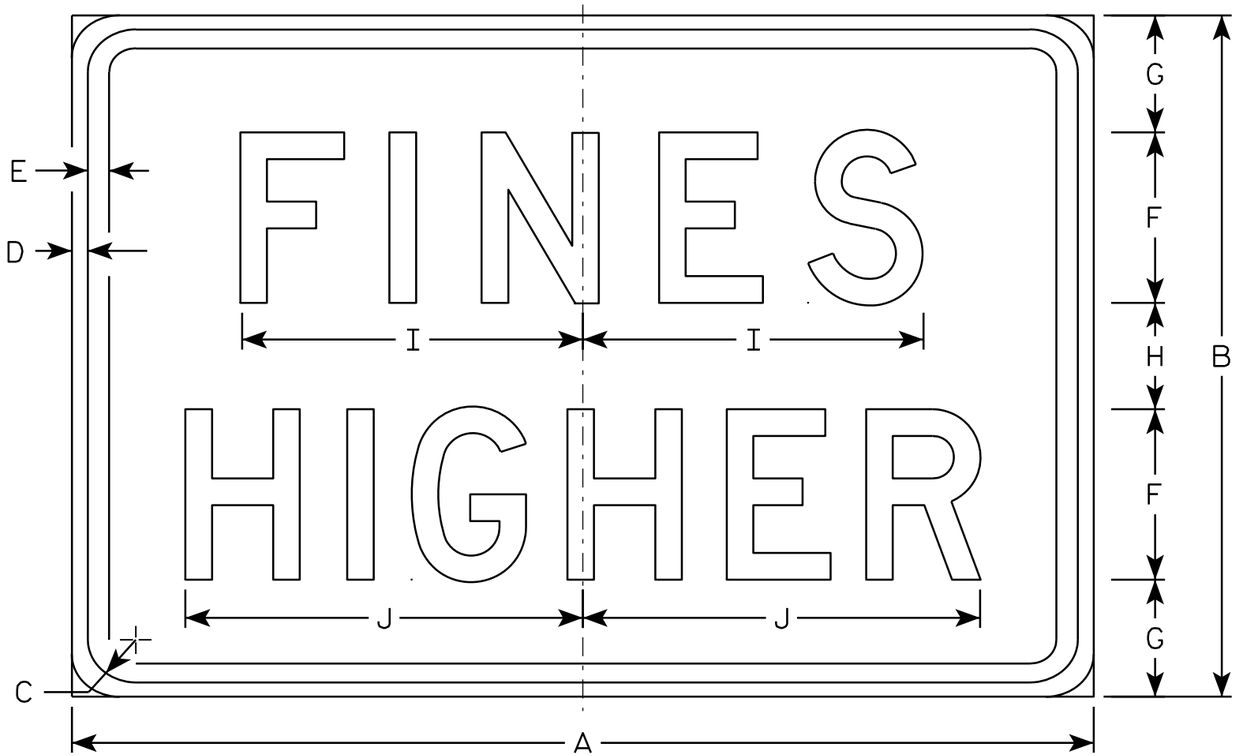
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 329 | E



R2-6P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

STANDARD SIGN
R2-6P

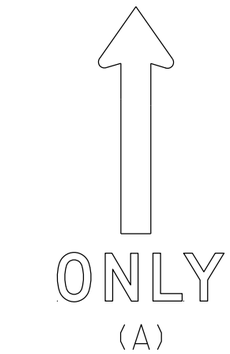
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 330 | E

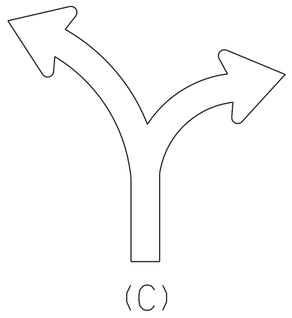
7

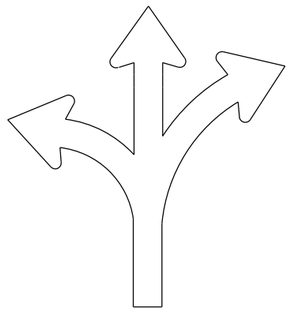


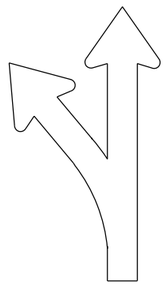
(A)

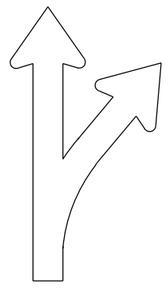


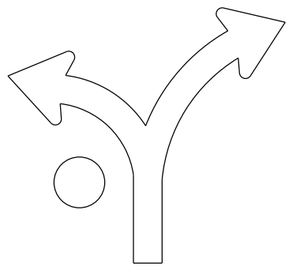
(B)

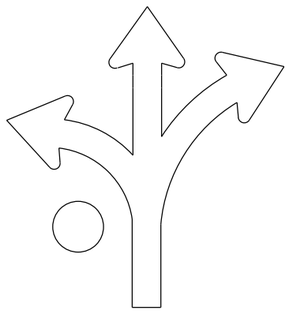

(C)

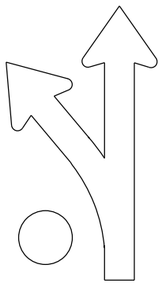

(D)

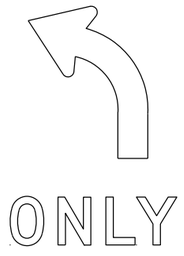

(E)


(F)

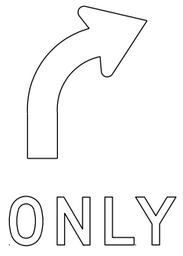

(G)


(H)

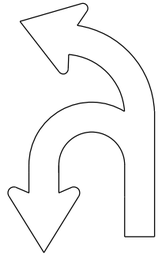

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1 Letter =	3.75 sq ft	for Size 2
	6.0 sq ft	for Size 3
	10.0 sq ft	for Size 4 or 5
2 Letters =	7.5 sq ft	for Size 2
	12.0 sq ft	for Size 3
	20.0 sq ft	for Size 4 or 5
3 Letters =	11.25 sq ft	for Size 2
	18.0 sq ft	for Size 3
	30.0 sq ft	for Size 4 or 5
4 Letters =	15.0 sq ft	for Size 2
	24.0 sq ft	for Size 3
	40.0 sq ft	for Size 4 or 5
5 Letters =	18.75 sq ft	for Size 2
	30.0 sq ft	for Size 3
	50.0 sq ft	for Size 4 or 5
6 Letters =	22.5 sq ft	for Size 2
	36.0 sq ft	for Size 3
	60.0 sq ft	for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

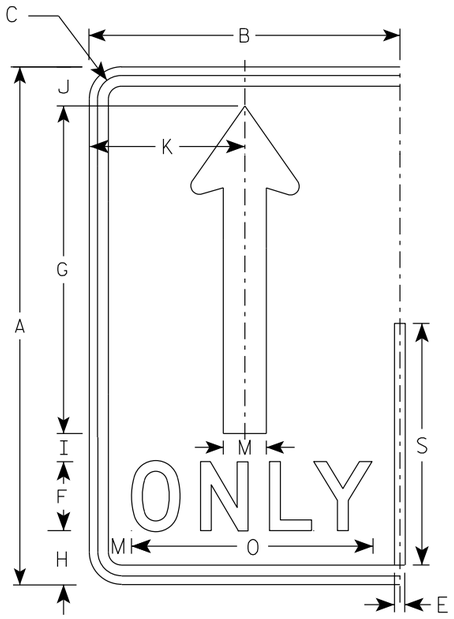
PROJECT NO:

SHEET NO: 331 E

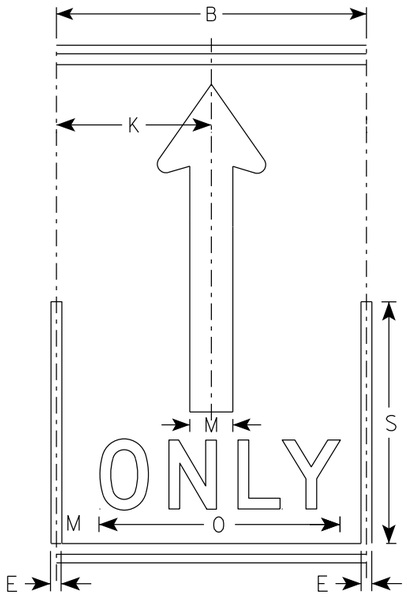
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:37 PLOT BY : mscj9h PLOT NAME :
WISDOT/CADDS SHEET 42

NOTES

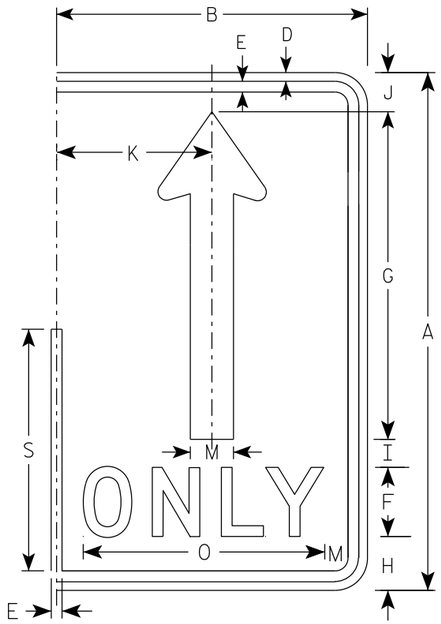
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



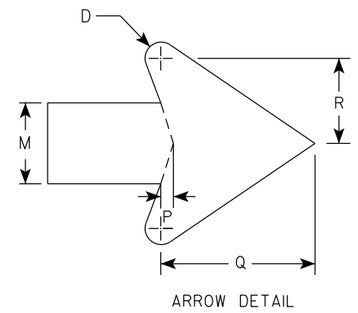
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

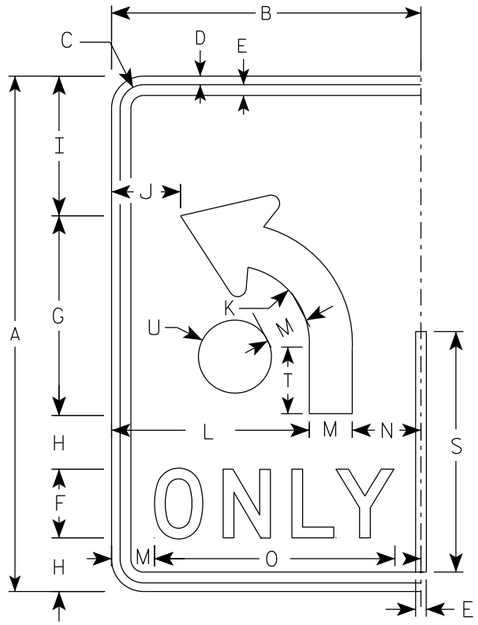
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

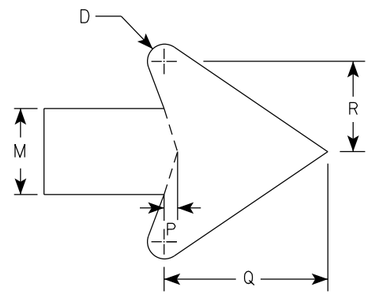
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 332 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

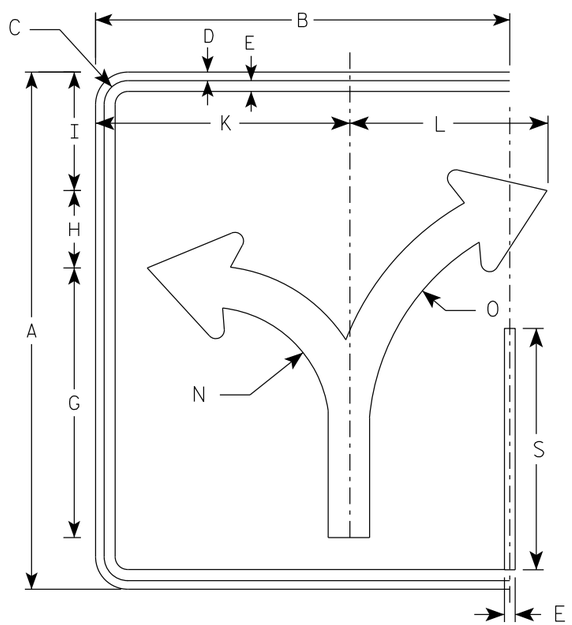
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

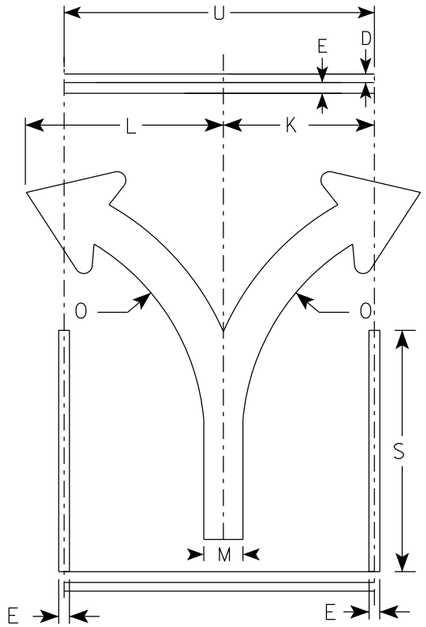
SHEET NO: 333 E

NOTES

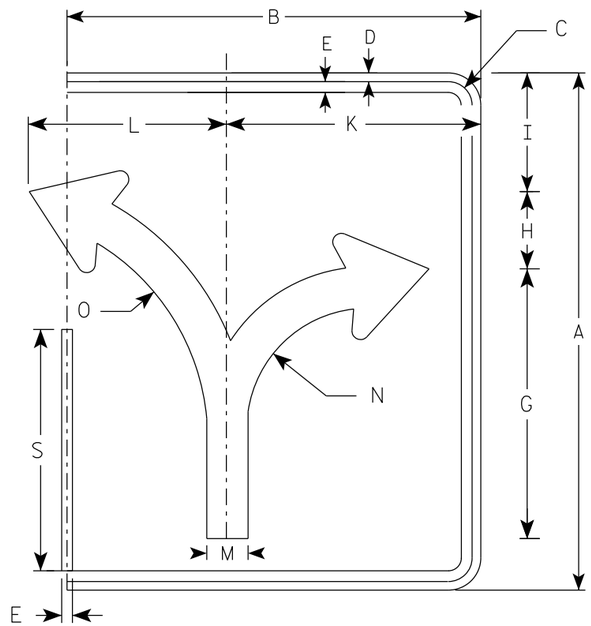
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



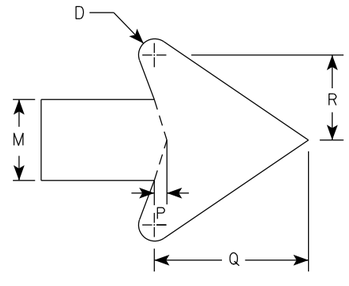
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

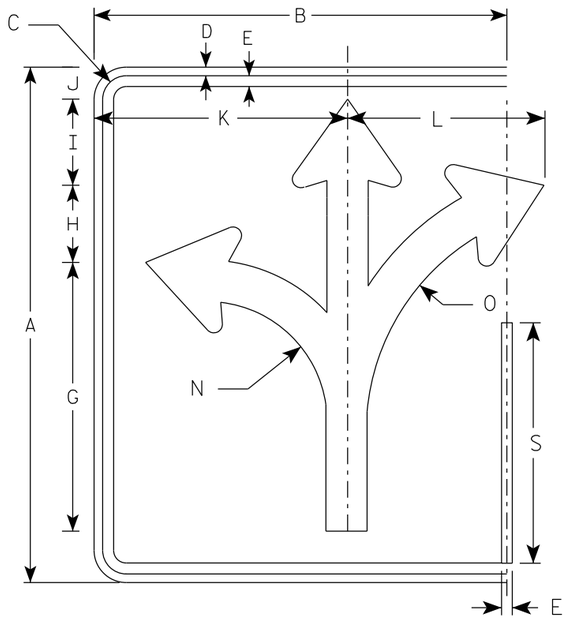
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

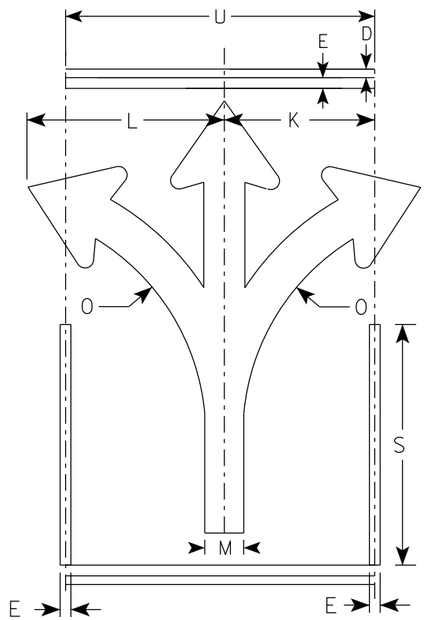
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 334 | E

NOTES

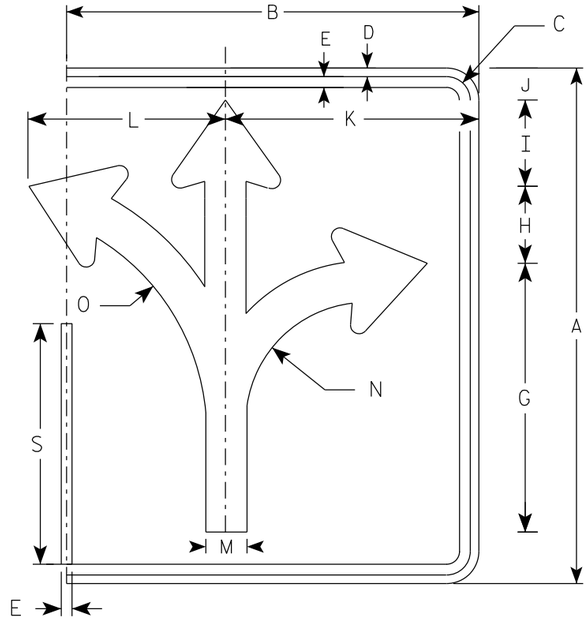
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



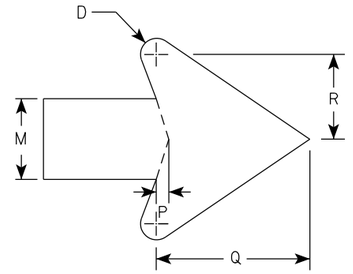
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

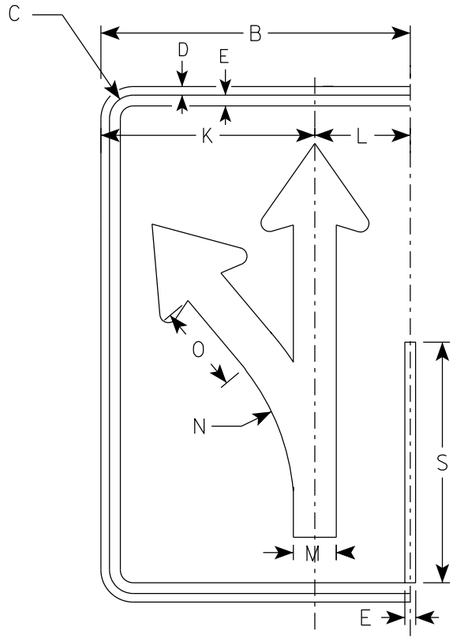
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

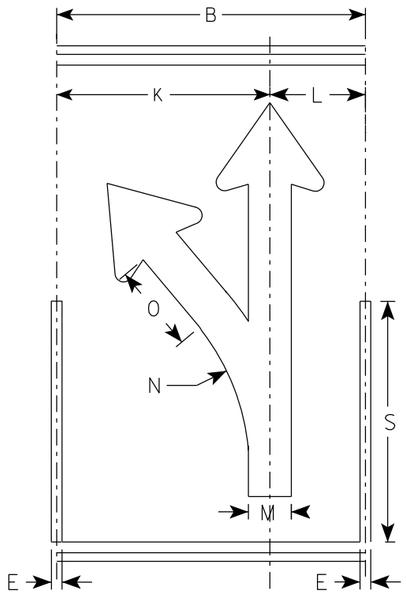
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 335 | E

NOTES

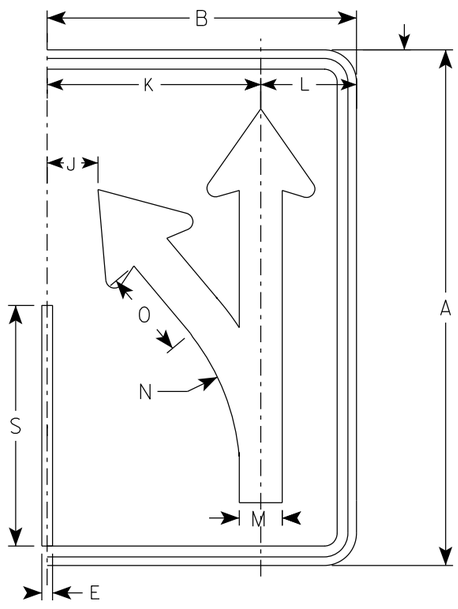
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



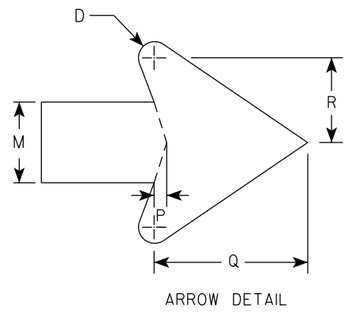
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

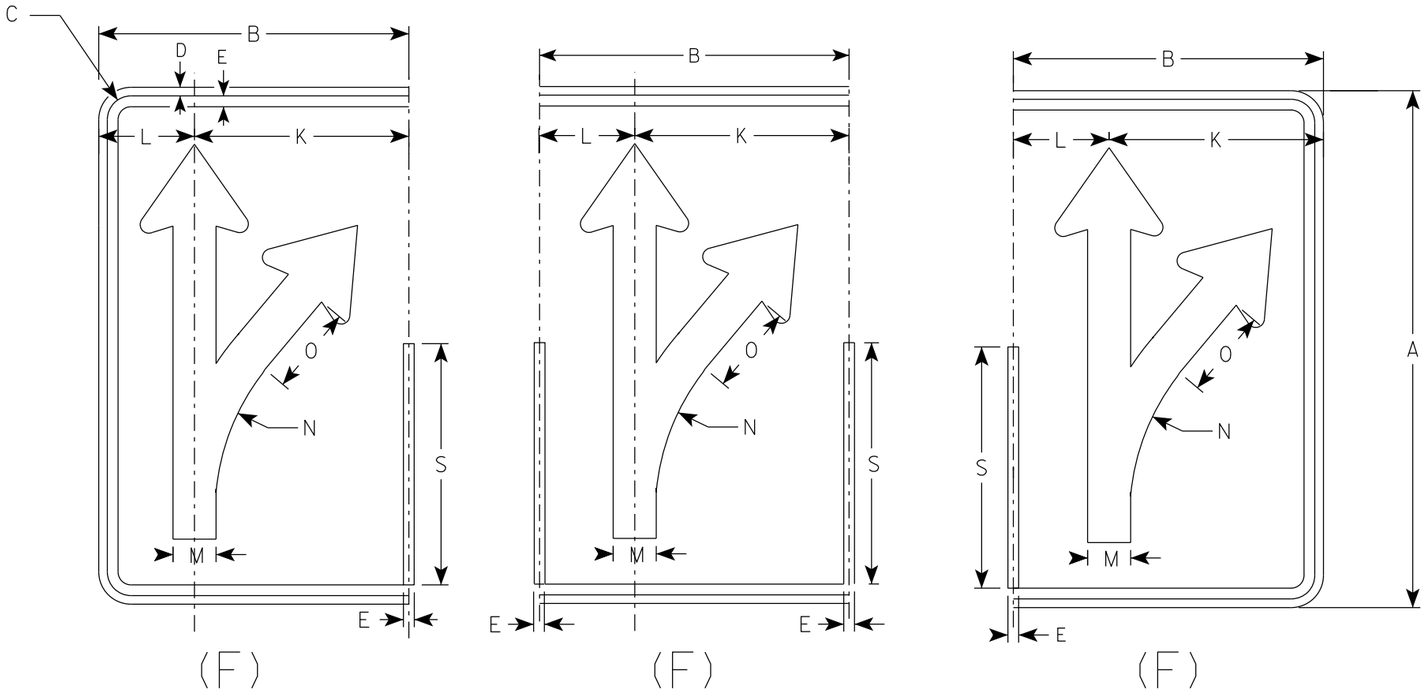
APPROVED Matthew R Rauch
For State Traffic Engineer

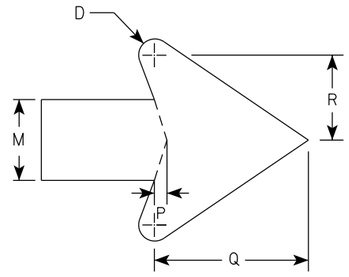
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 336 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

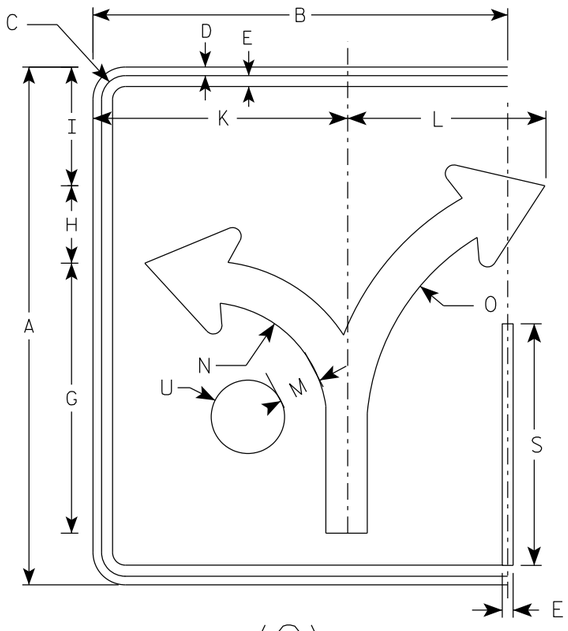
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

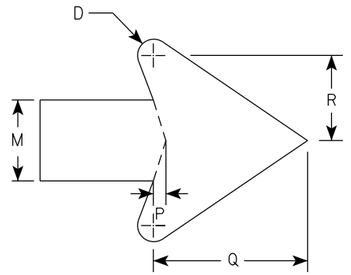
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 337 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

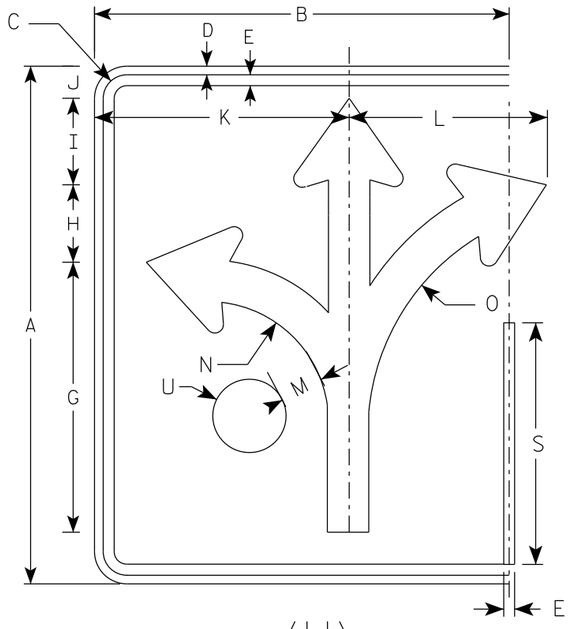
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

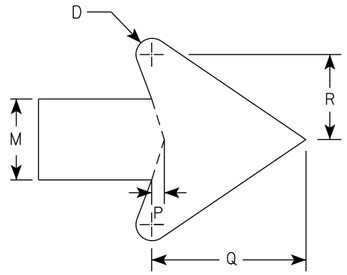
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 338 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

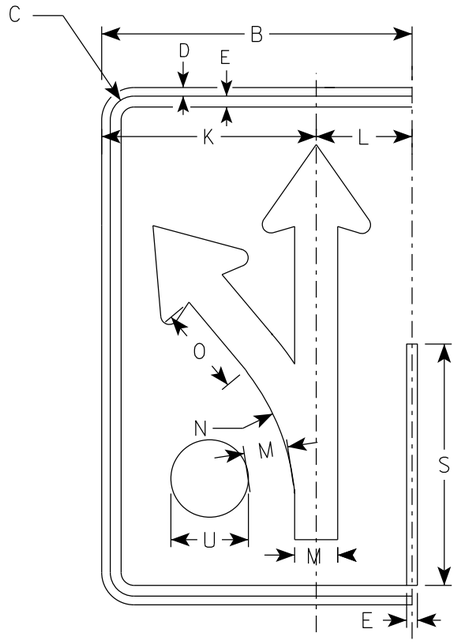
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

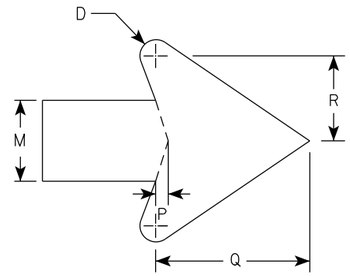
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 339	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

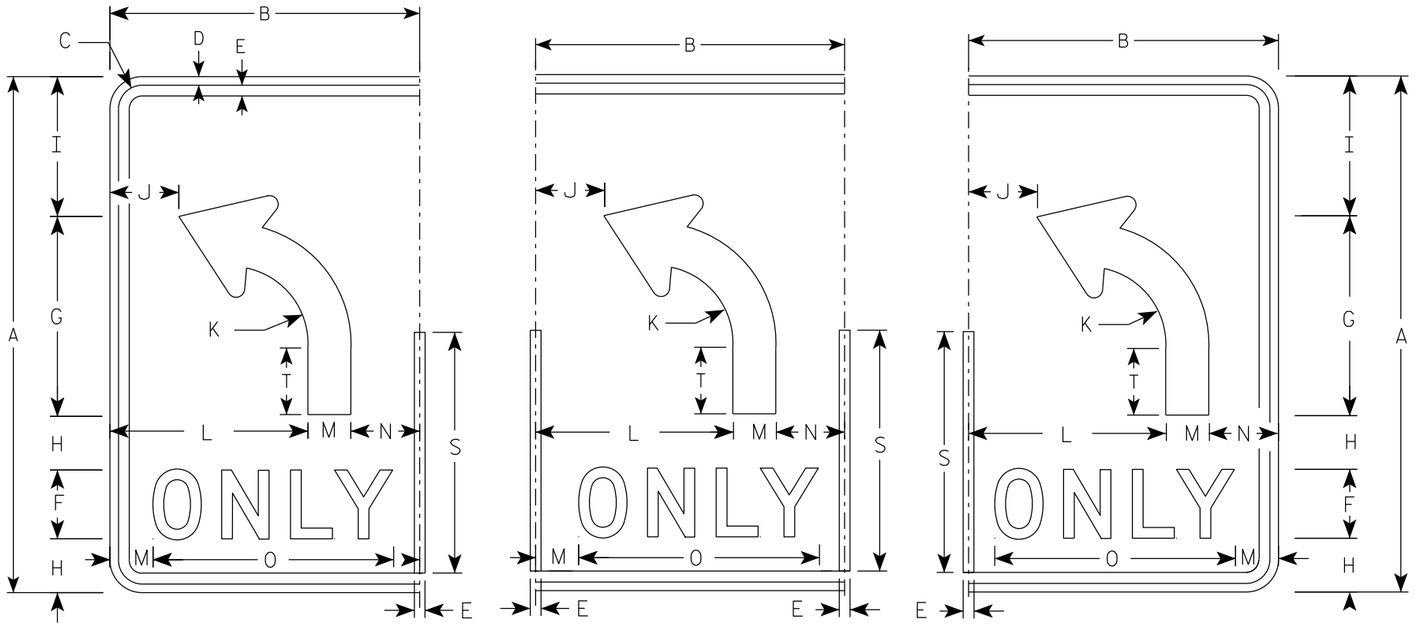
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

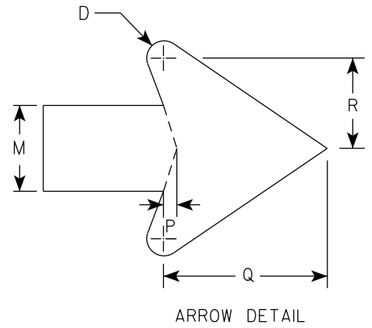
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 340 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



(L) (L) (L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

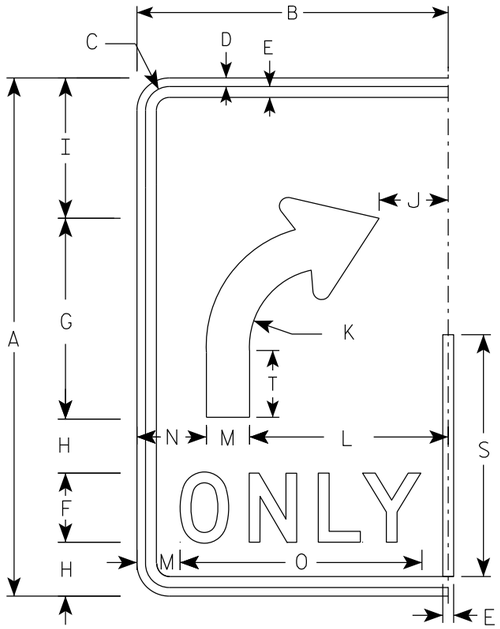
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

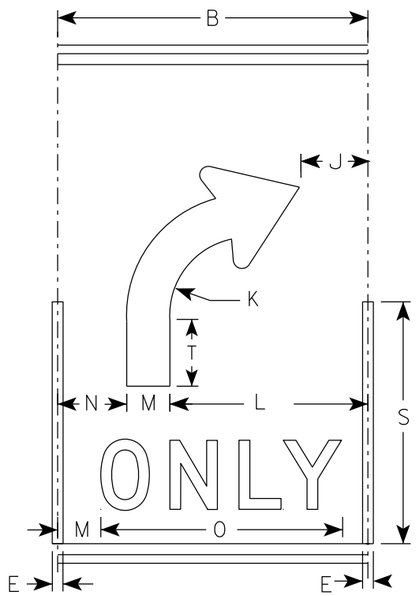
SHEET NO: 341 E

NOTES

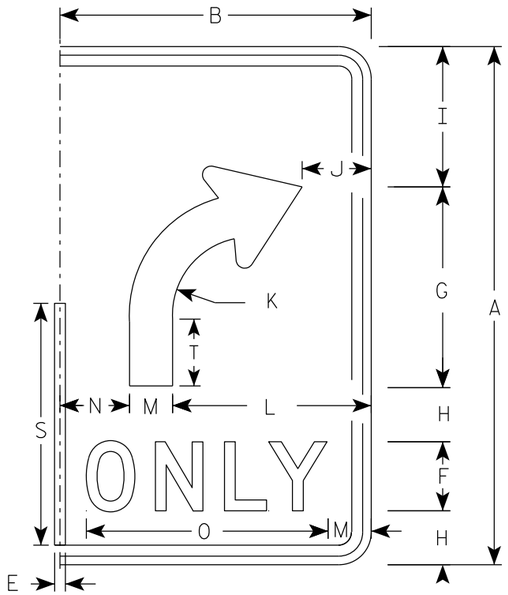
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



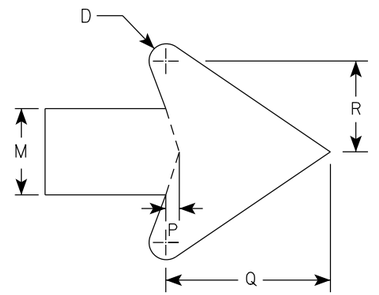
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

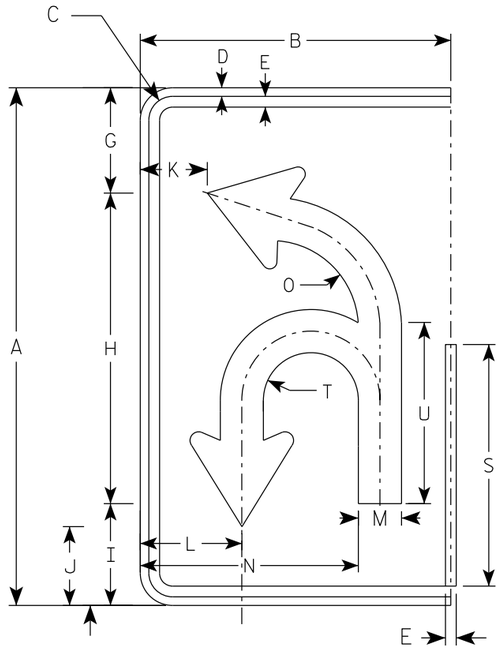
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

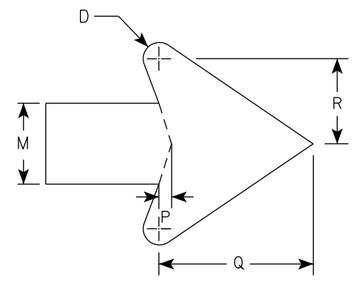
SHEET NO: 342 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

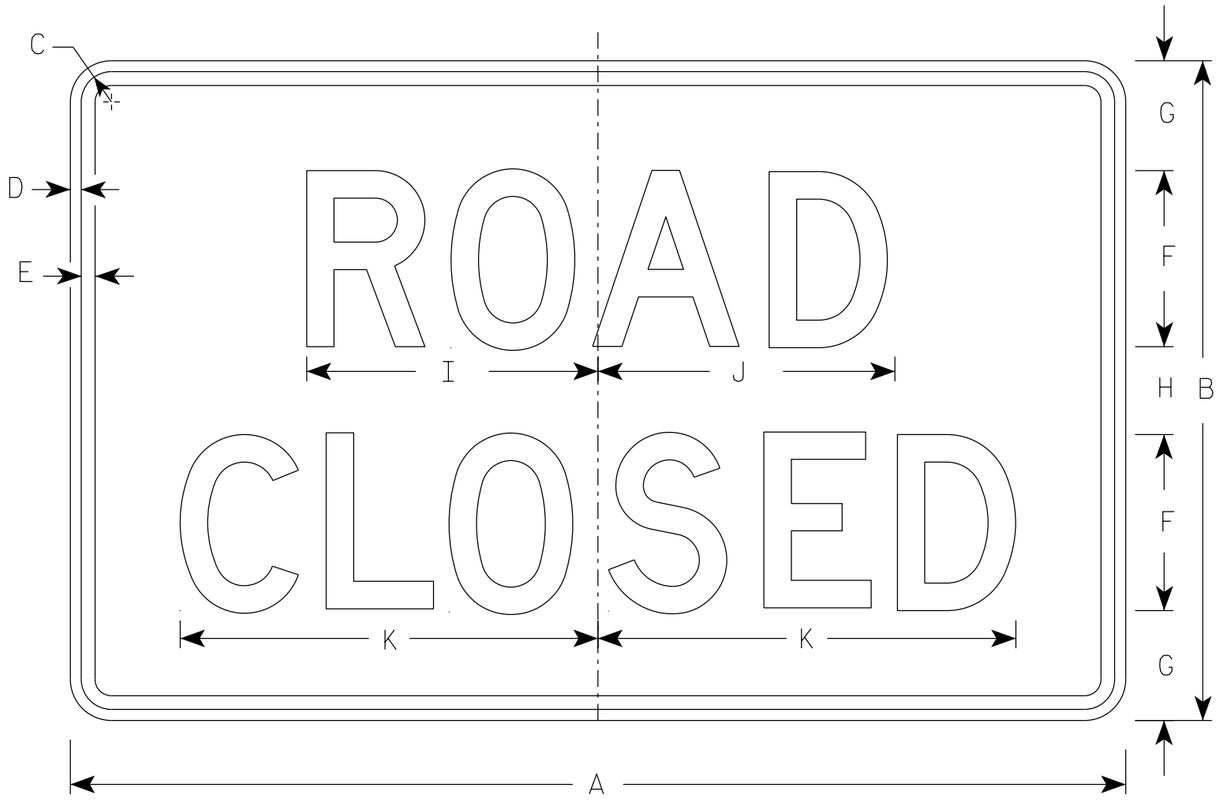
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

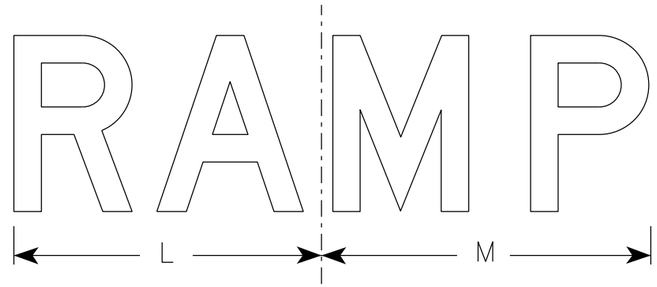
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 343 | E



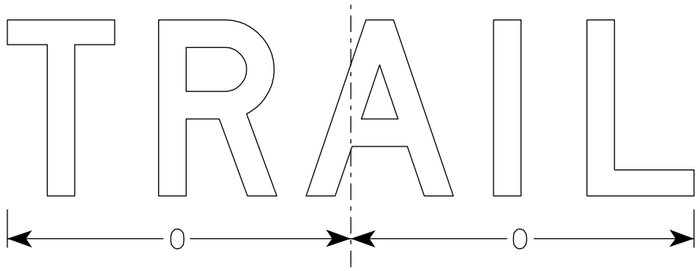
R11-2

NOTES

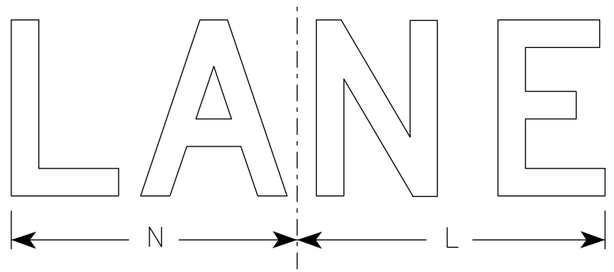
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

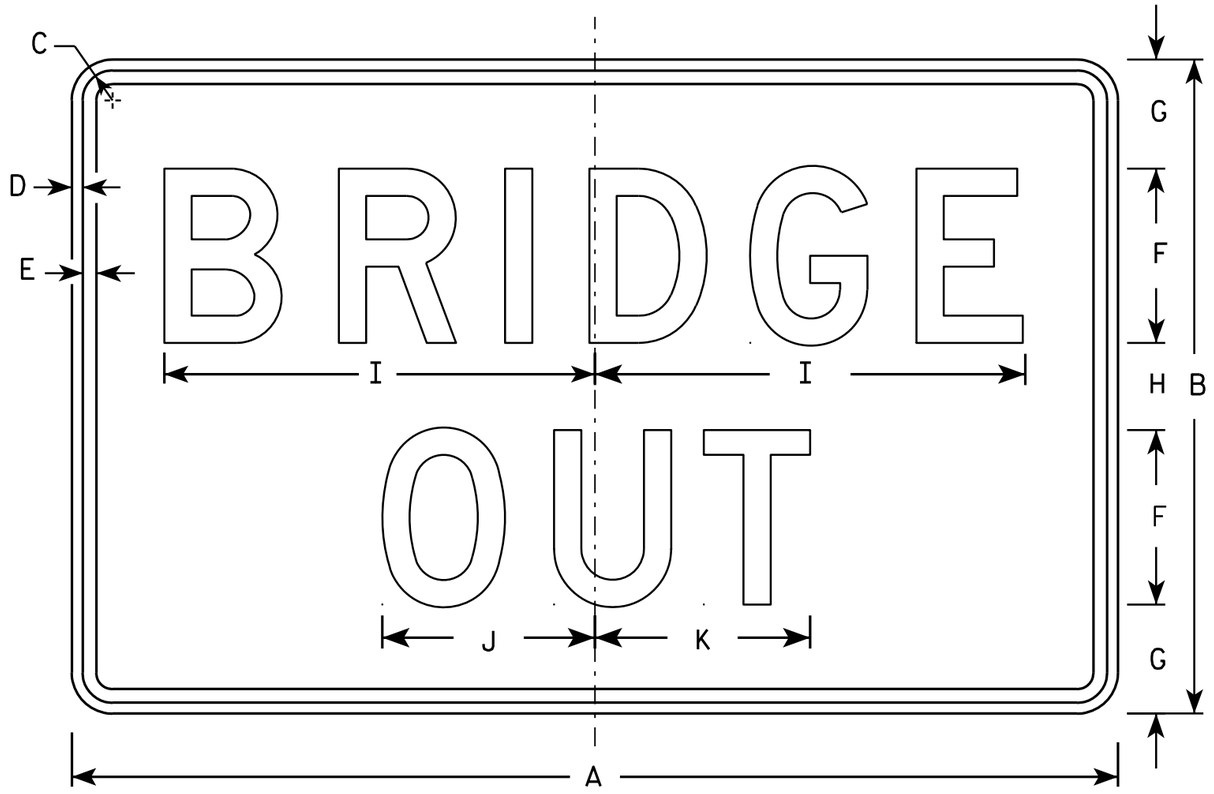
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 344	E



R11-2B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0

STANDARD SIGN
R11-2B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2B.2

PROJECT NO:

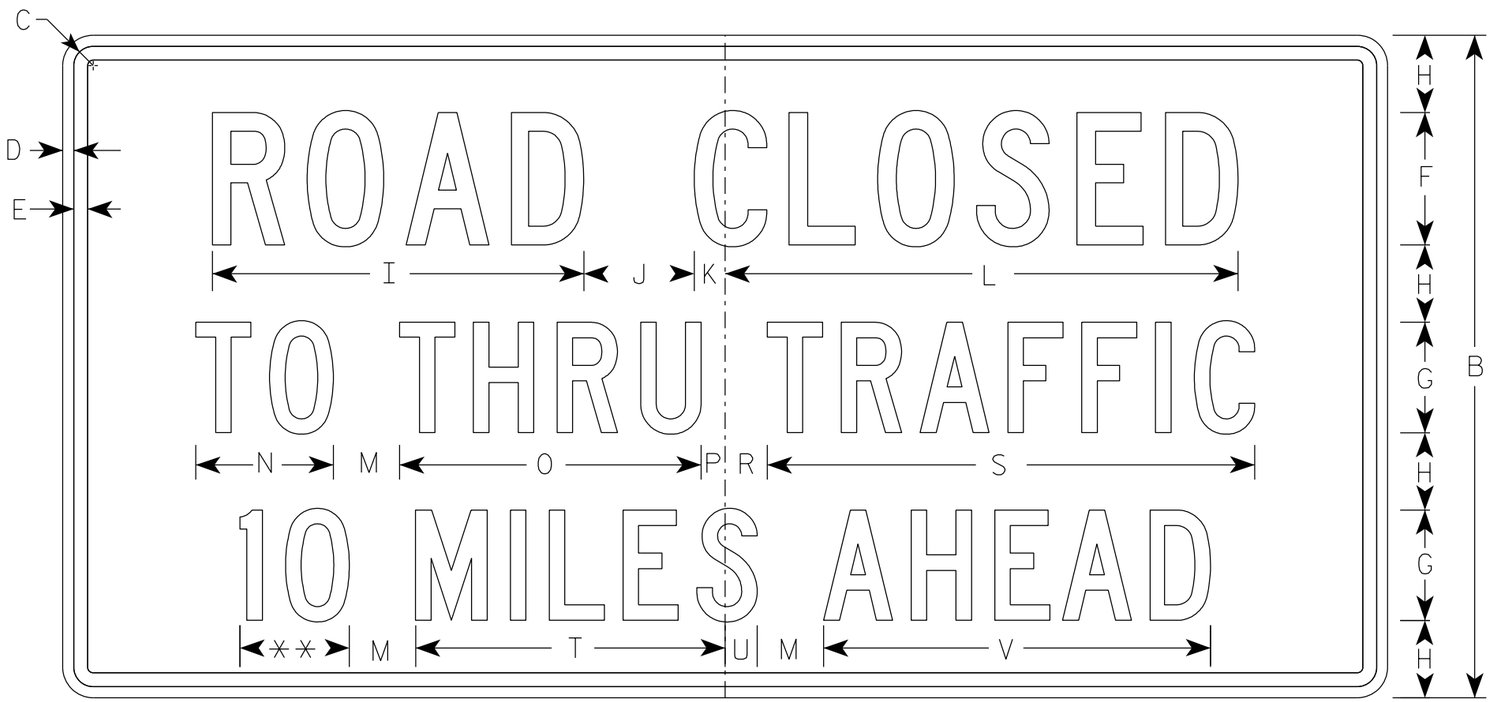
SHEET NO: 345 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112B.DGN PLOT DATE : 01-APR-2011 14:23 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

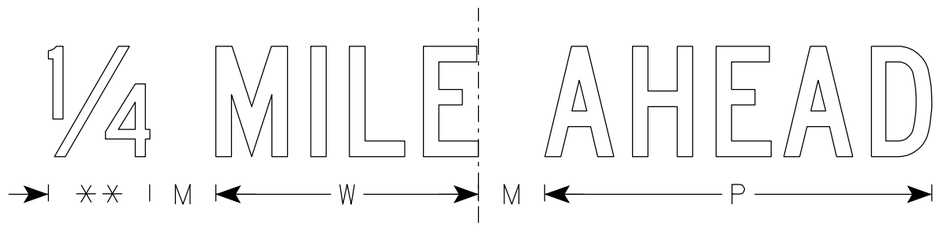
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



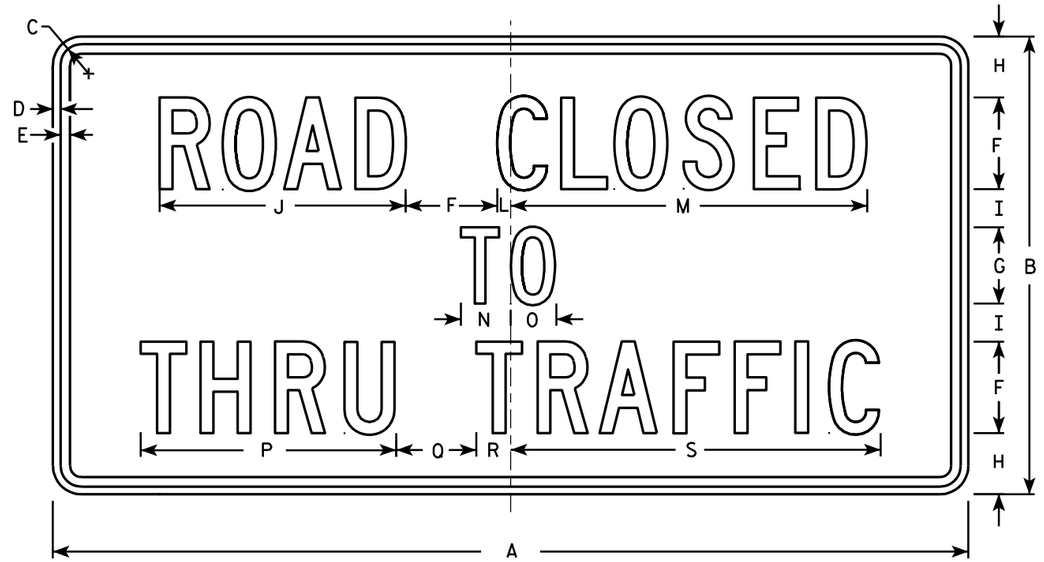
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 346	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

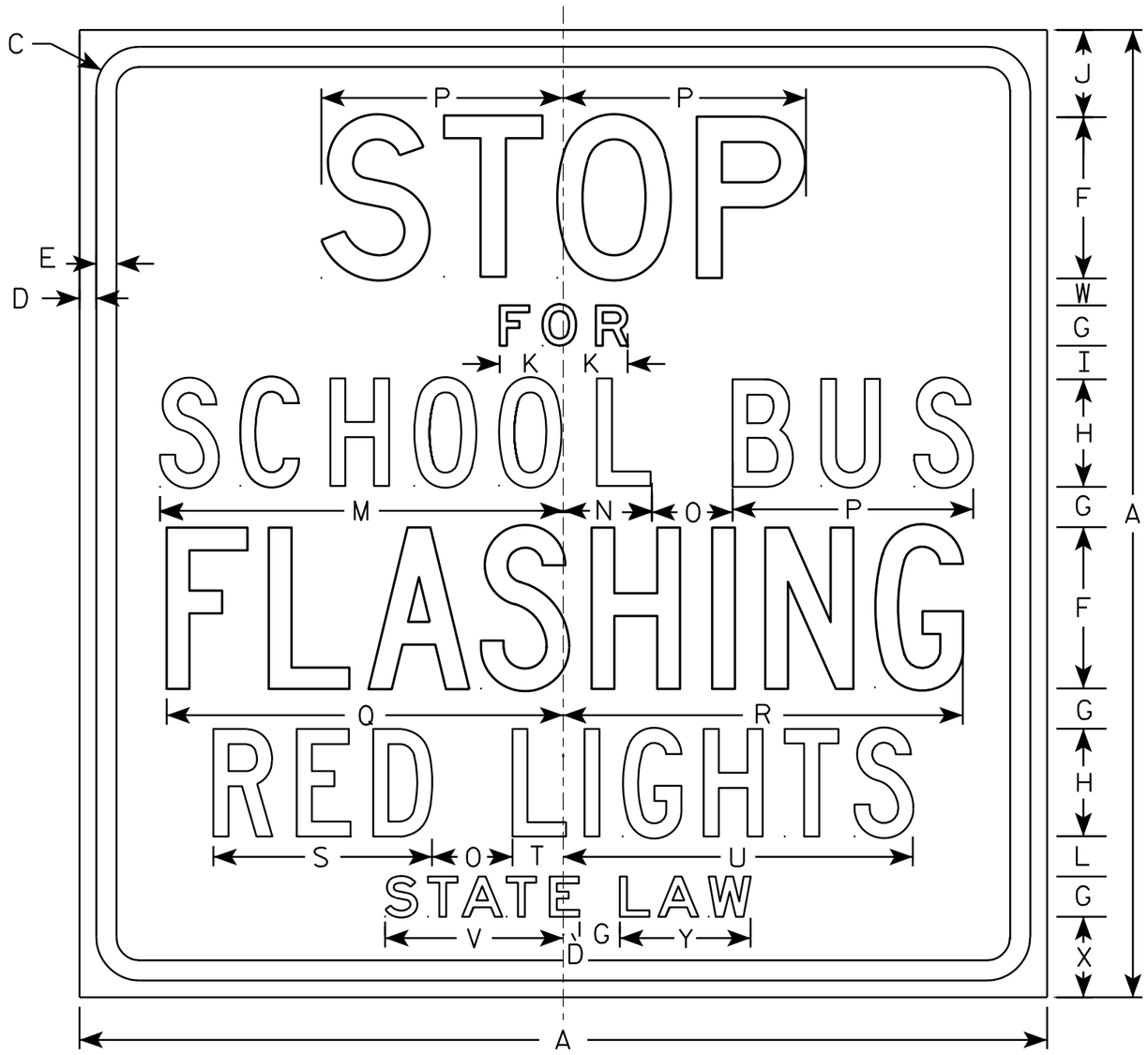
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 347 | E



R59-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D
   Lines 2 & 6 are Series E
   Line 3, 4 & 5 are Series C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
2M	36		1 5/8	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
3	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
4	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
5																											

STANDARD SIGN
R59-51

WISCONSIN DEPT OF TRANSPORTATION

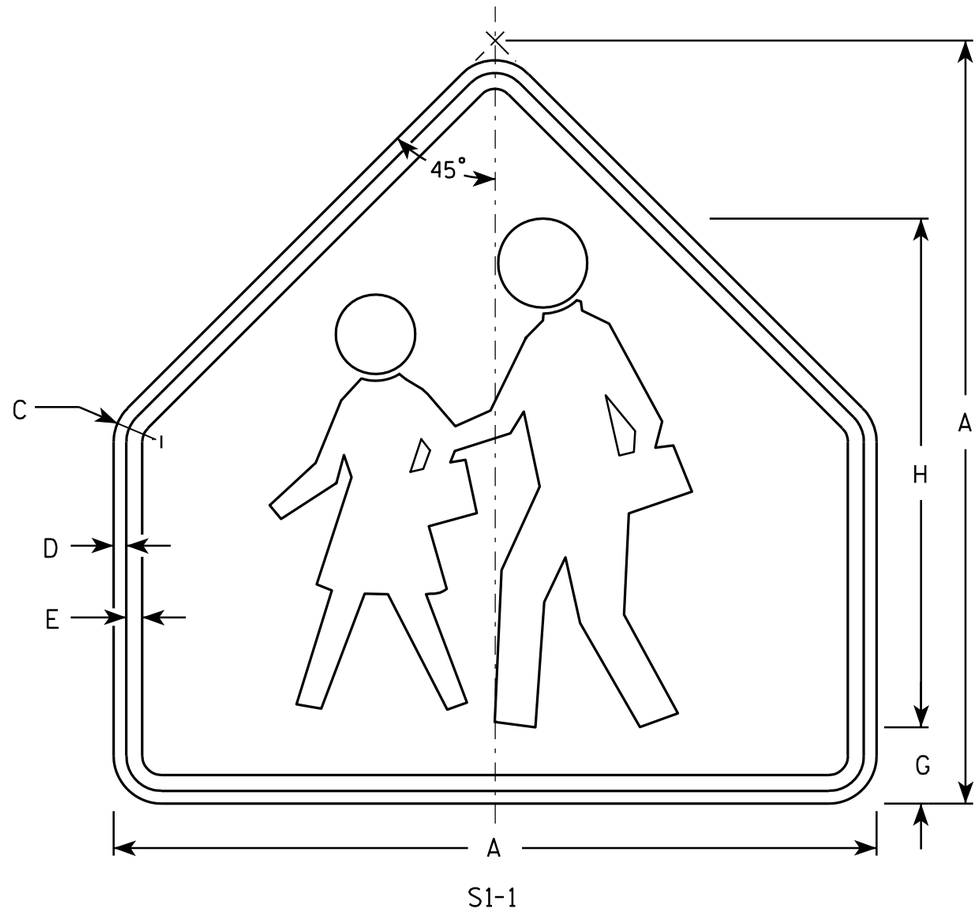
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/30/11 PLATE NO. R59-51.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 348 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R5951.DGN 30-MAR-2011 09:59 PLOT DATE : 30-MAR-2011 09:59 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.287650:1.000000
WISDOT/CADDS SHEET 42



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

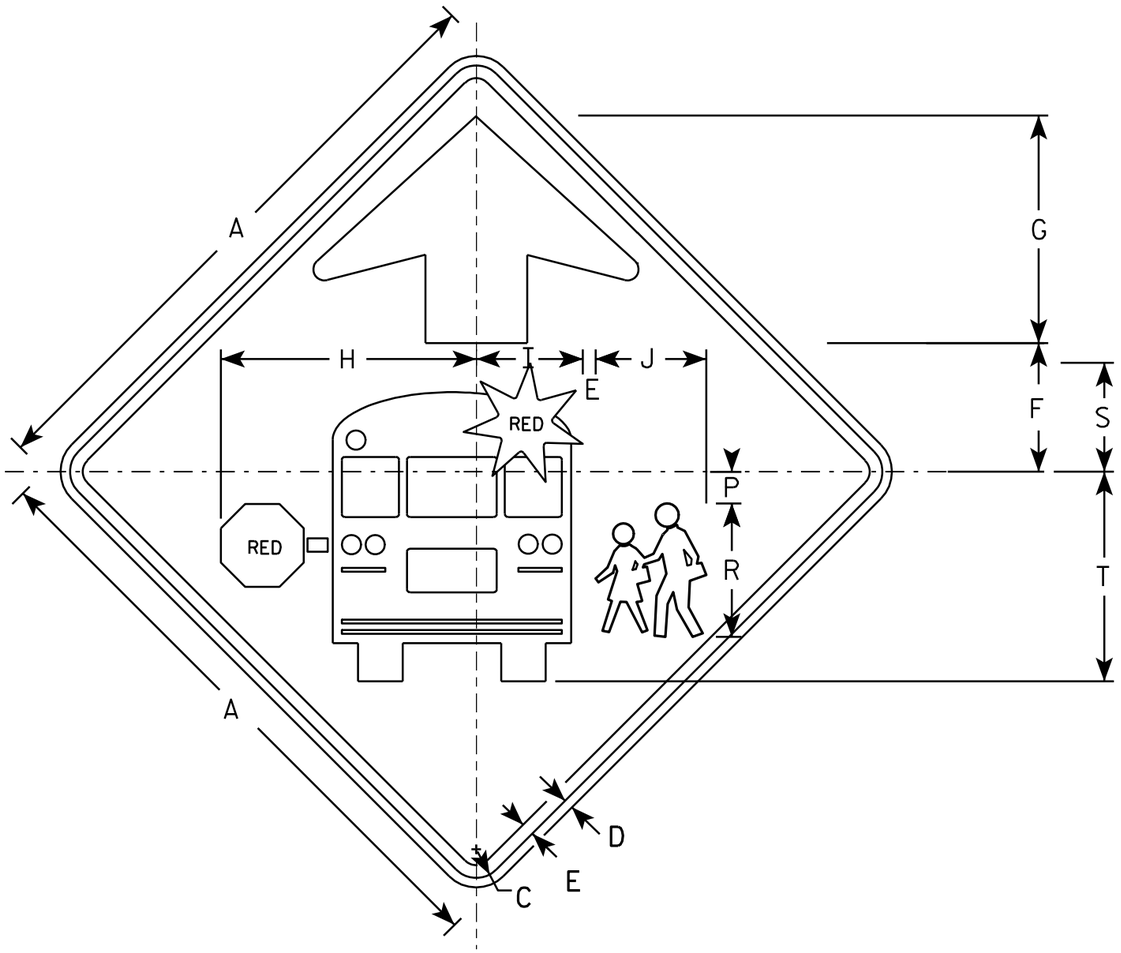
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

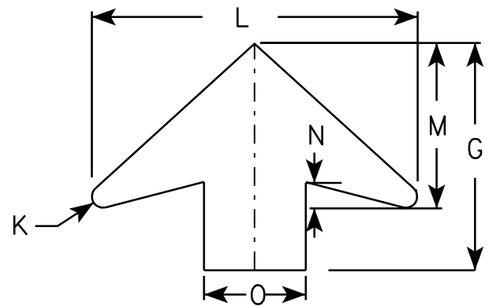
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 349	E



S3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW-GREEN
   Message - BLACK except as noted
   Circles except PEDS- RED BACKGROUND
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 1/2	1/2	16	8	1 1/4	5	1 1/2		6 5/8	5 3/8	10 3/8							6.25
2	36		1 5/8	5/8	3/4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 5/8	6	1 7/8		7 7/8	6 3/8	12 3/8							9.0
3	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

STANDARD SIGN
S3-1

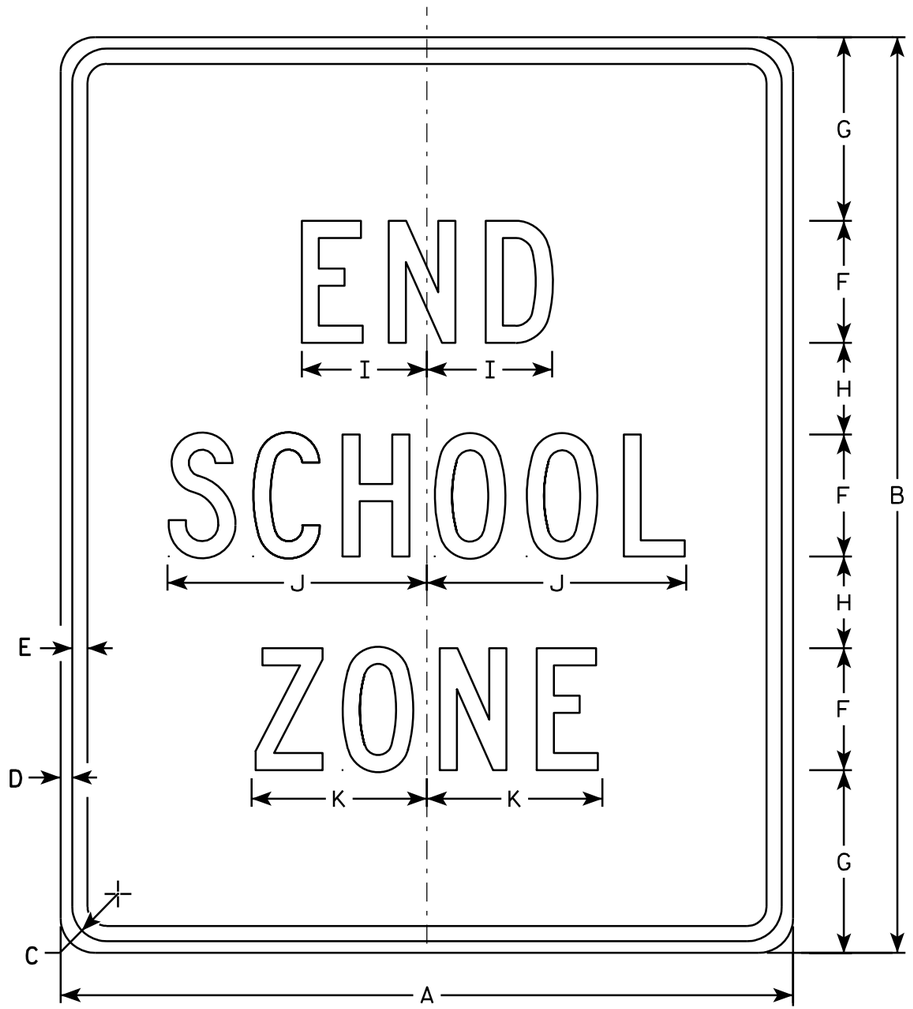
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/8/10 PLATE NO. S3-1.6

PROJECT NO:

SHEET NO: 350 E



S5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

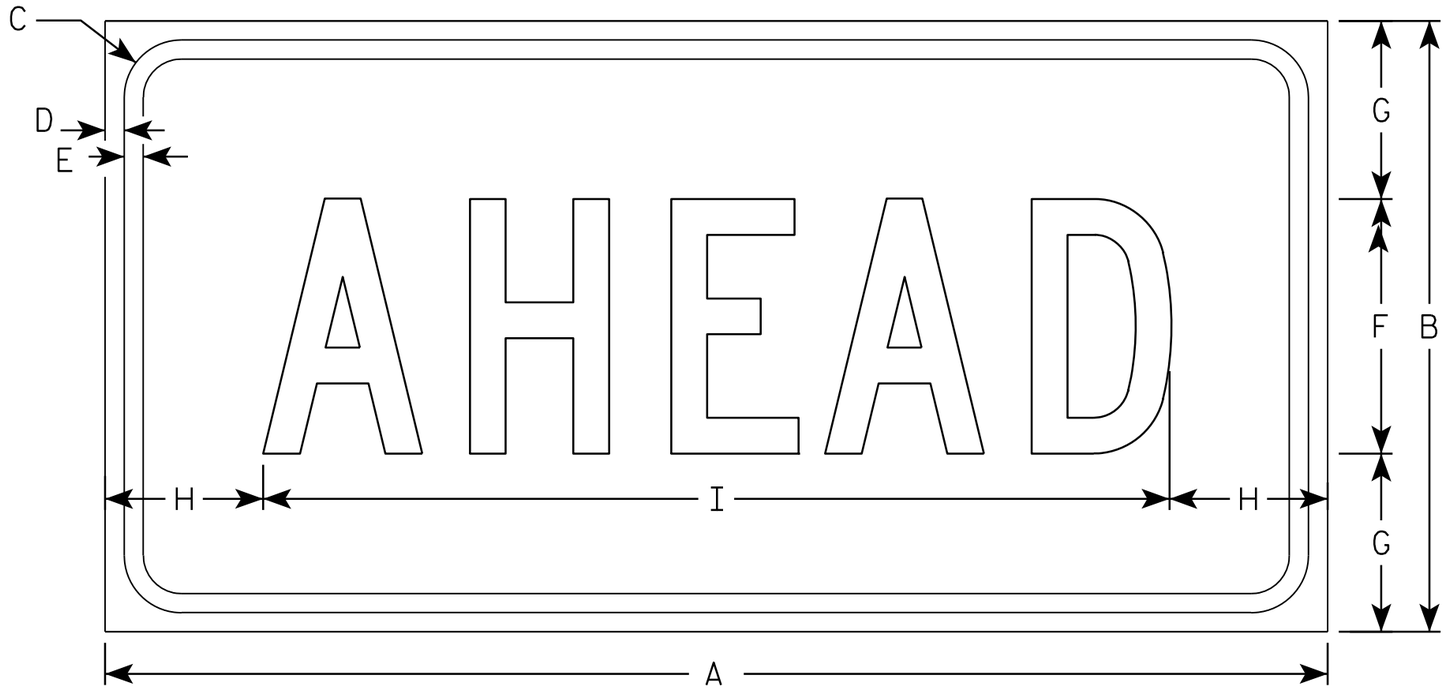
STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 351 | E



S16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

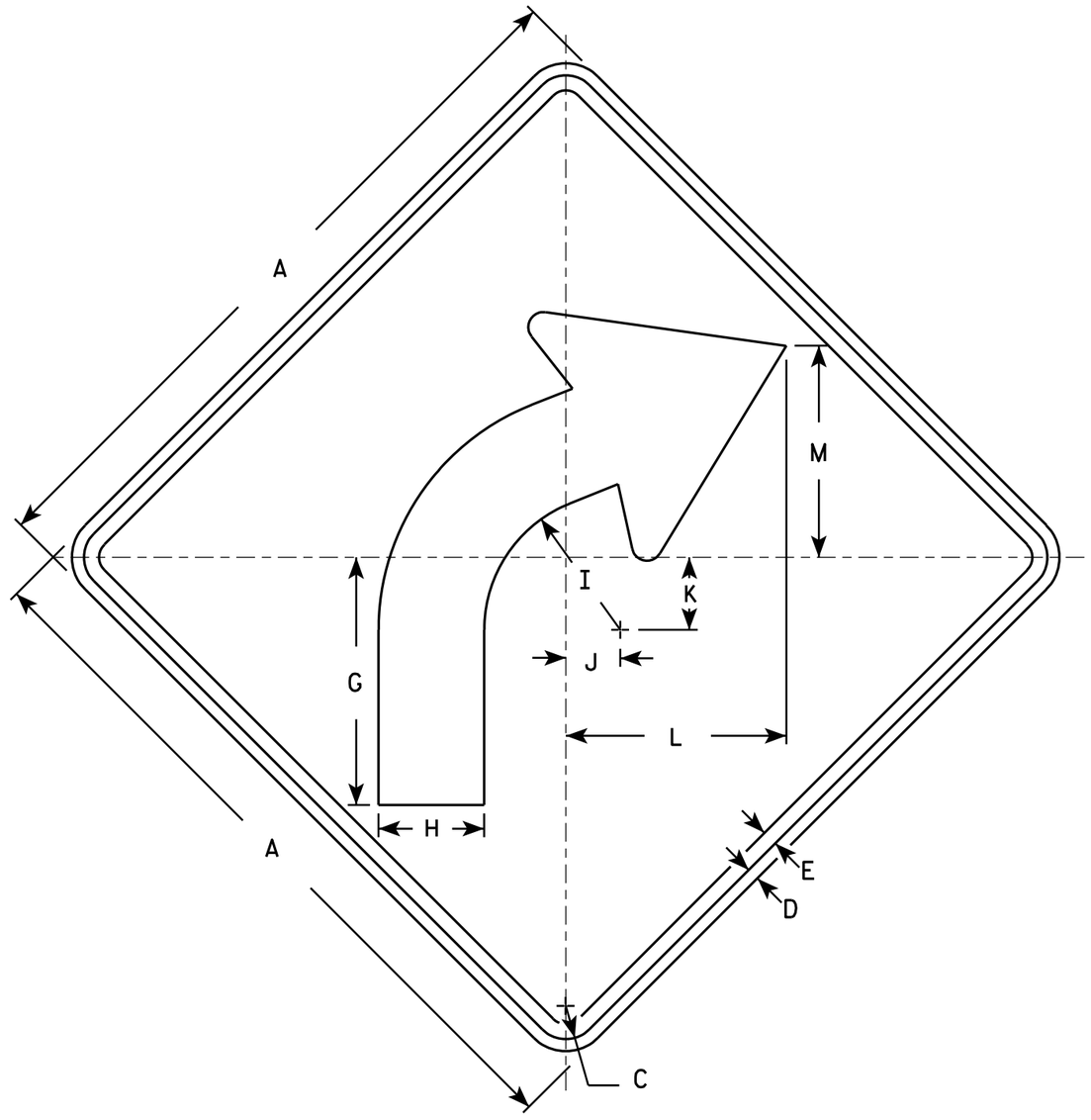
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

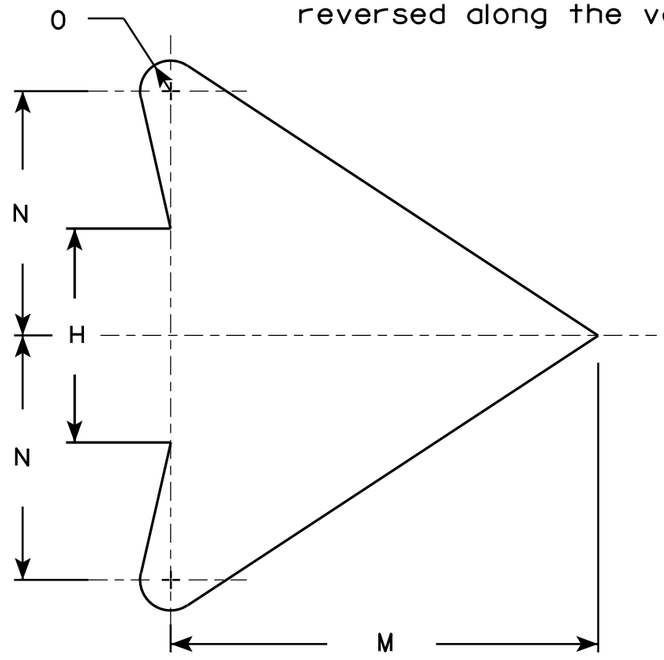
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 352 | E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

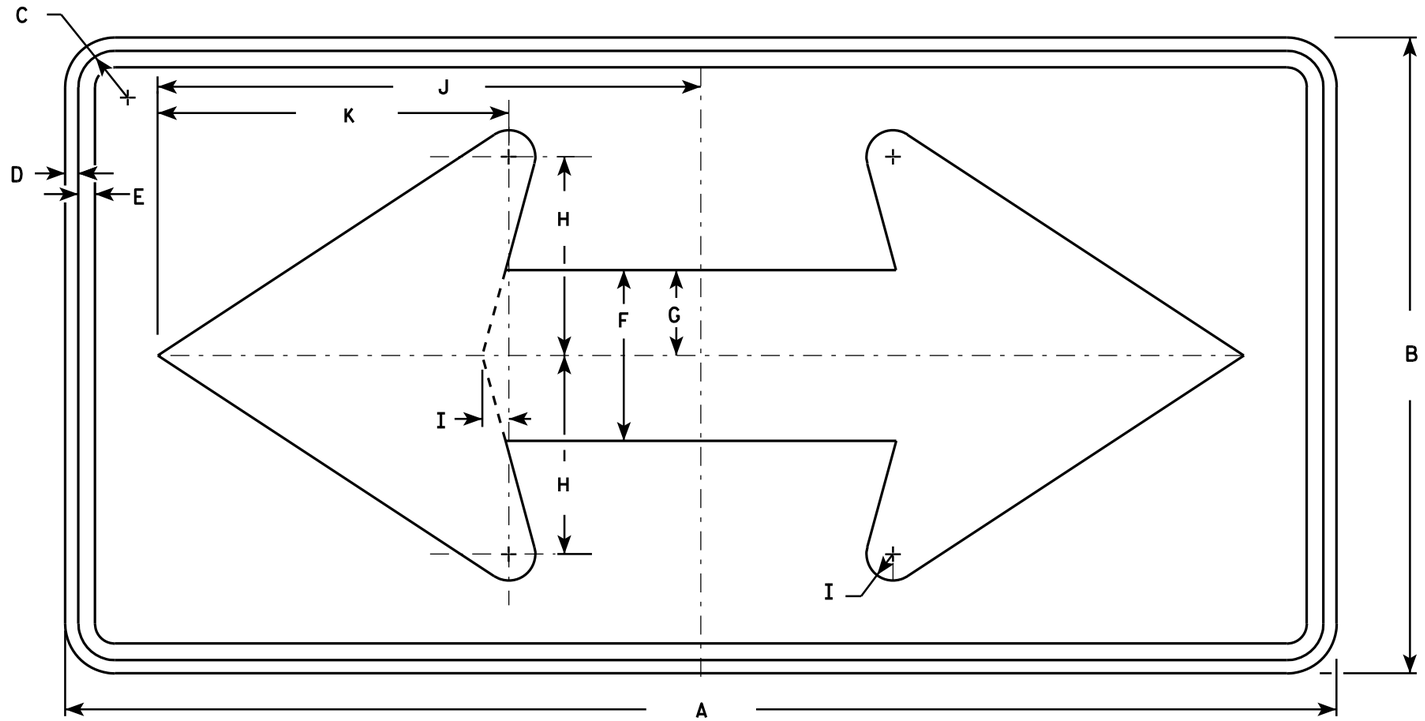
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 353	E



W1-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

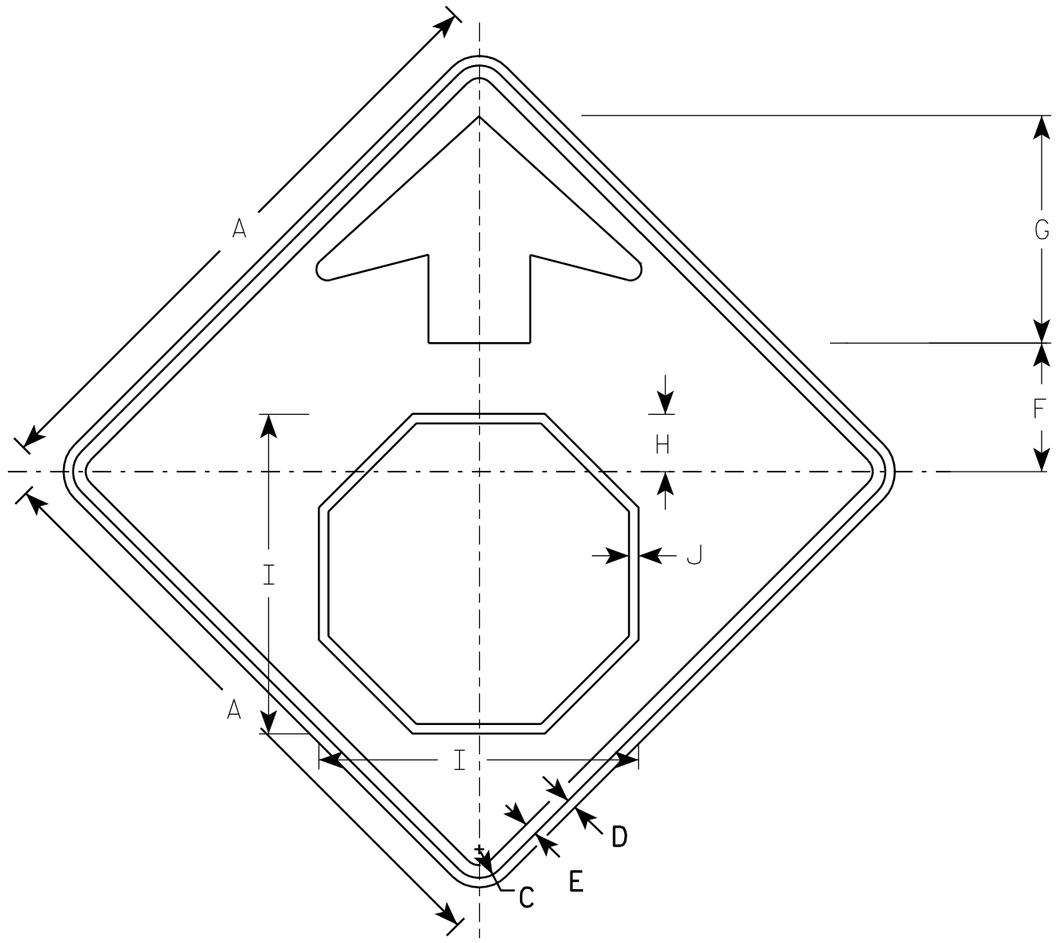
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

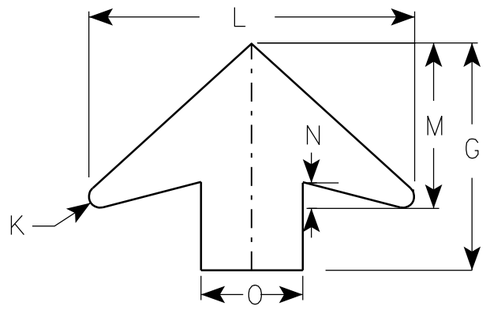
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 354 | E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

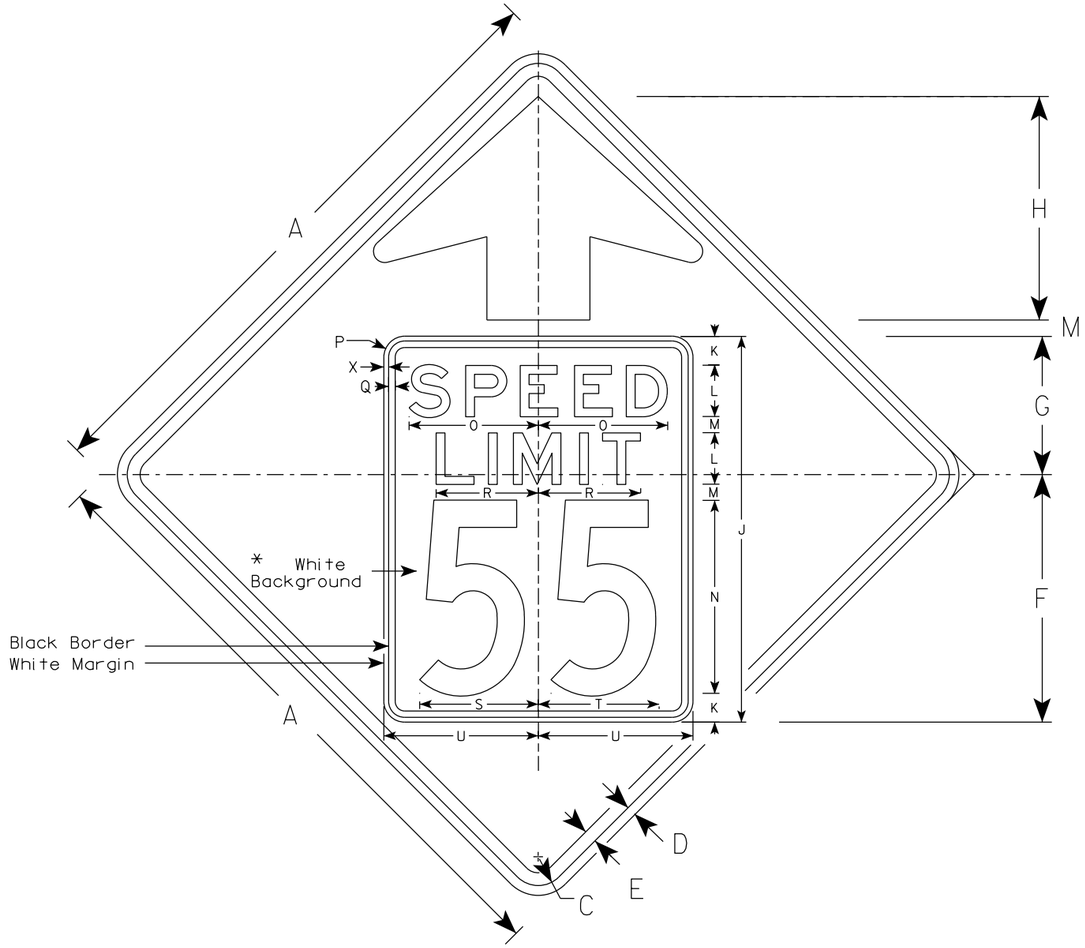
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 355 E

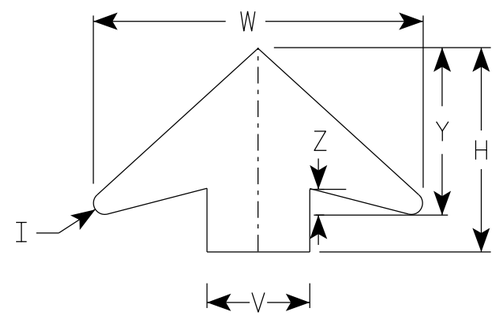


W3-5

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color: *
   Background - Yellow* (Type F Reflective)
   Message - Black
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background with black message (Type SH Reflective)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

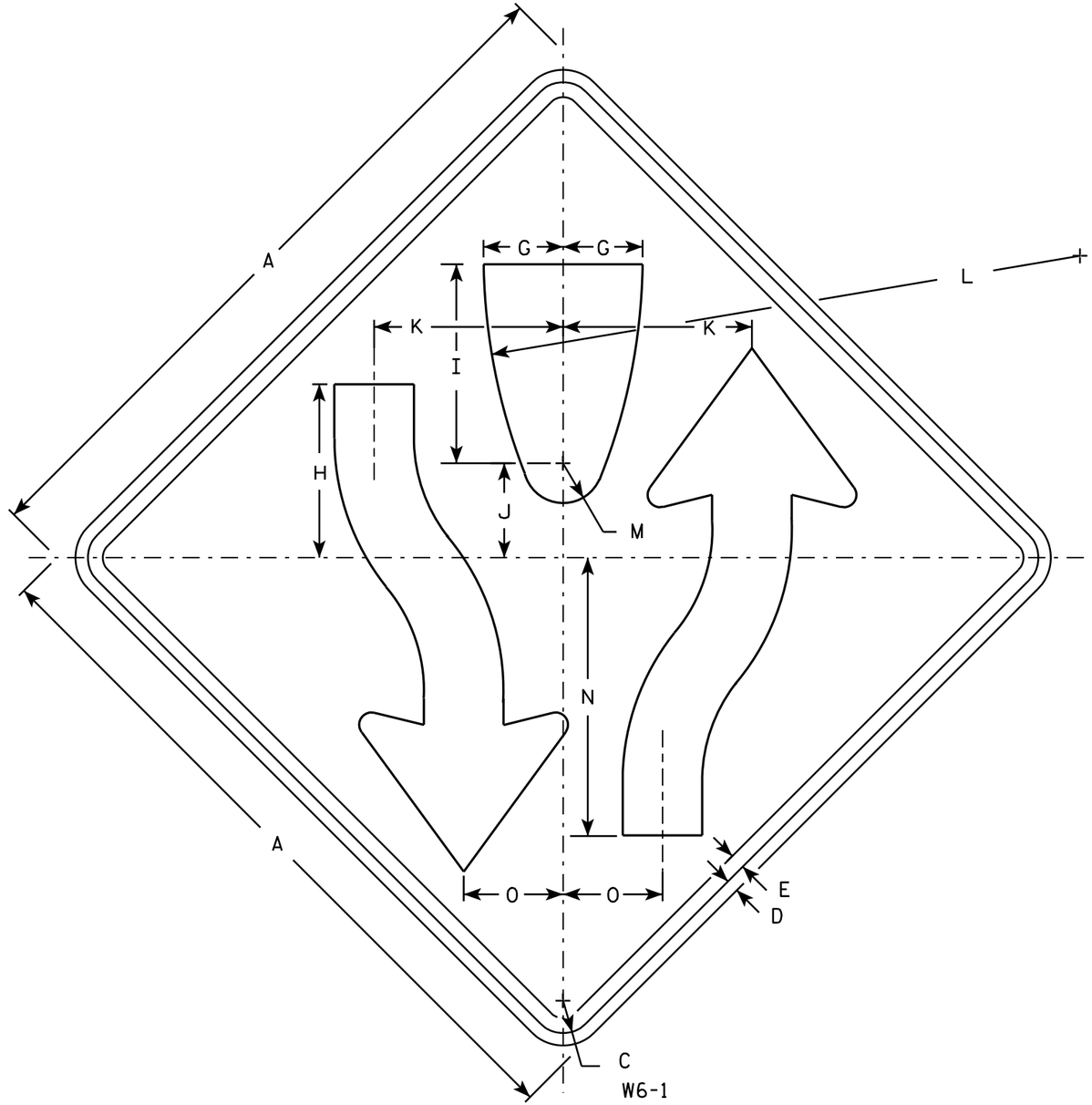
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. W3-5.6

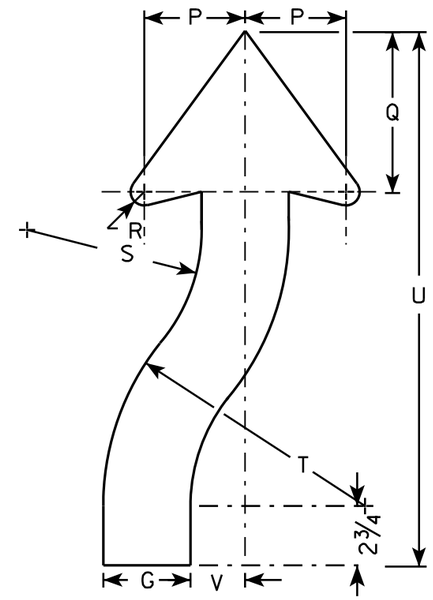
PROJECT NO:

SHEET NO: 356 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

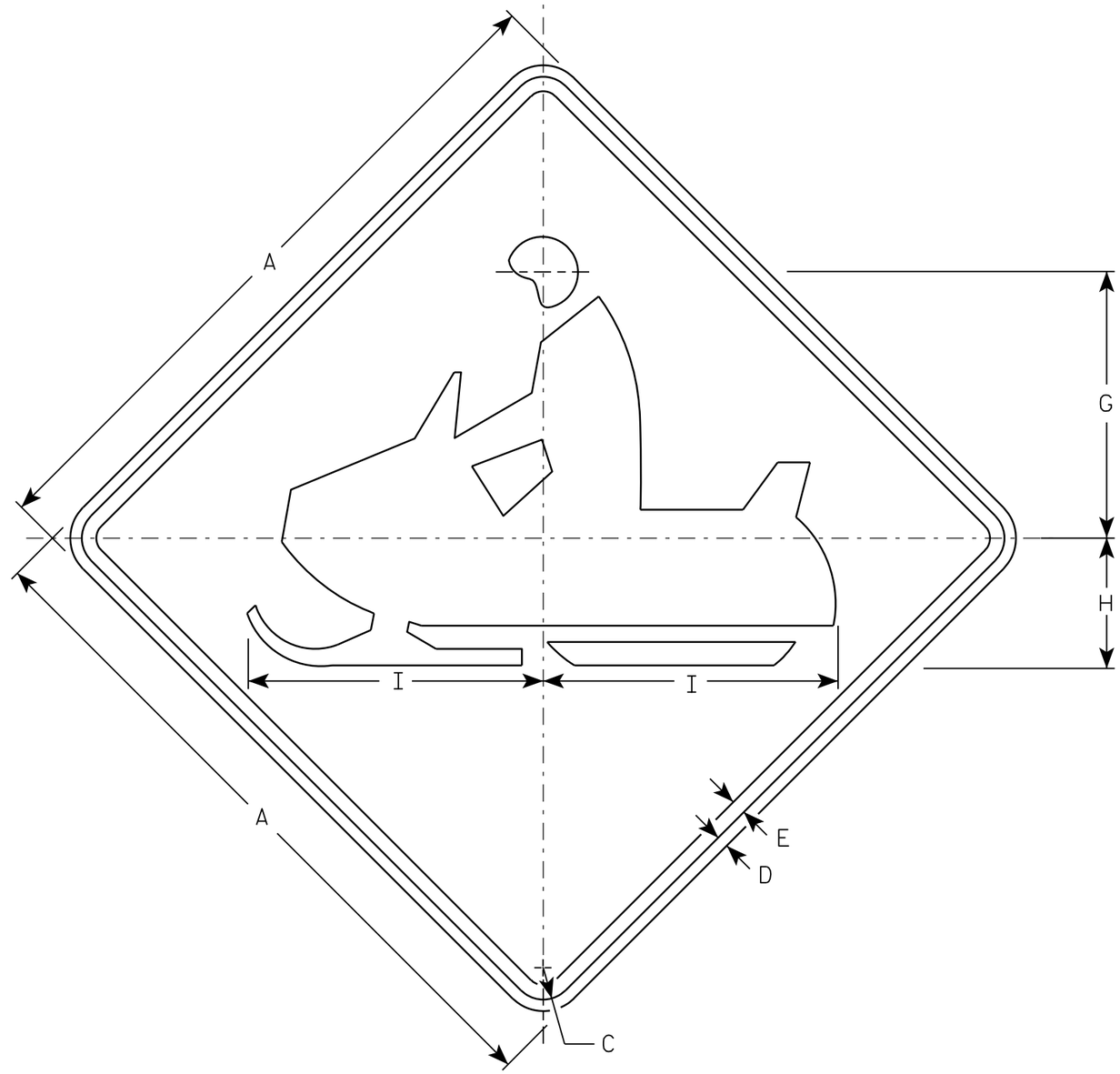
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 357	E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W11-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		9 1/2	4 1/2	10 1/4																		4.0
2S	30		1 3/8	1/2	5/8		11 1/2	5 5/8	12 3/4																		6.25
2M	30		1 3/8	1/2	5/8		11 1/2	5 5/8	12 3/4																		6.25
3	36		1 5/8	5/8	3/4		14 1/8	6 3/4	15 1/4																		9.0
4	48		2 1/4	3/4	1		19	9	20 1/2																		16.0
5																											

STANDARD SIGN
W11-6

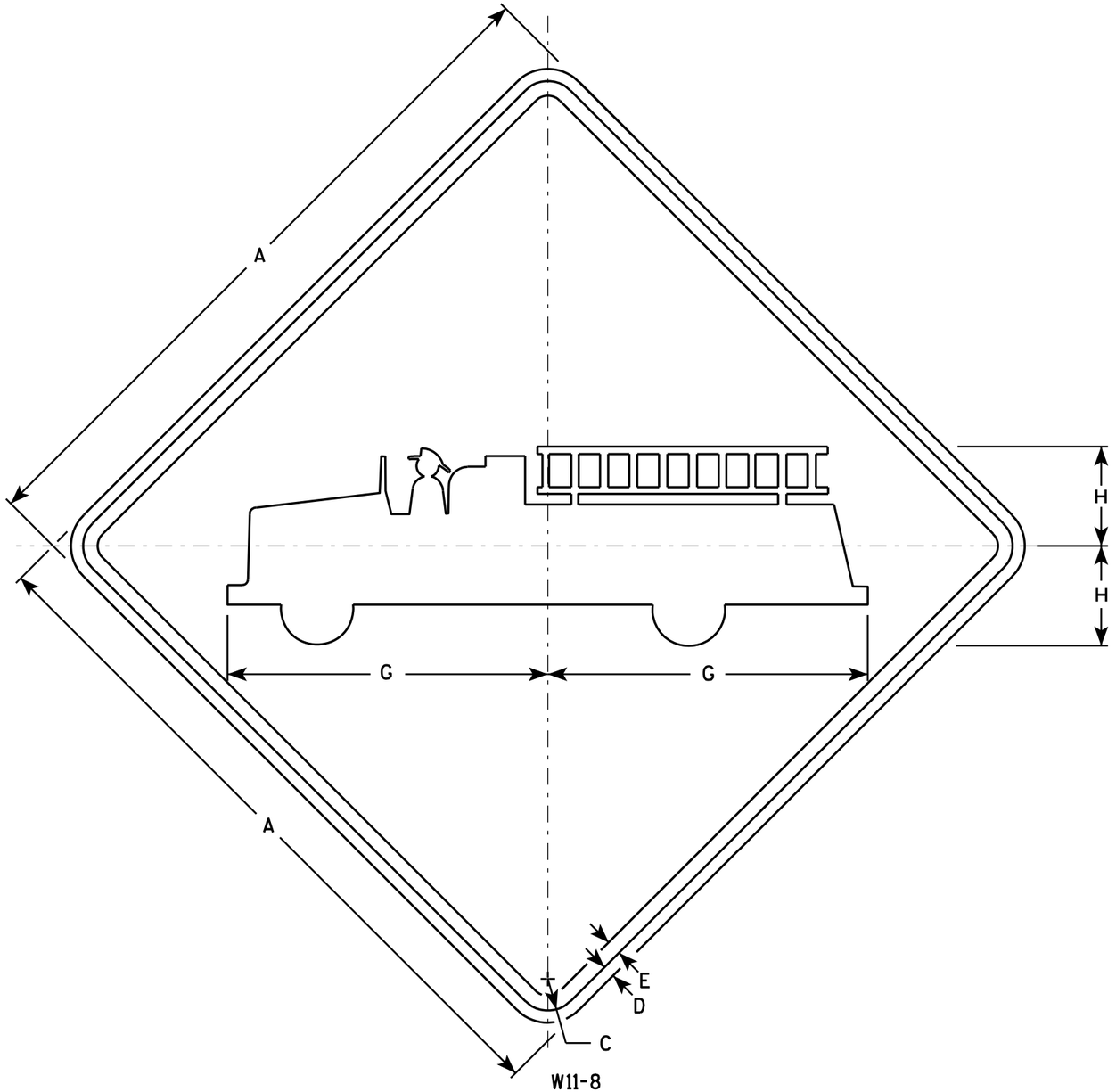
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 358 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W116.DGN PLOT DATE : 13-MAR-2013 12:57 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.954276:1.000000
WISDOT/CADDS SHEET 42



W11-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		11	3 3/8																			4.0
2S	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
2M	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
3	36		1 5/8	5/8	3/4		16 1/2	5 1/4																			9.0
4	48		2 1/4	3/4	1		22	7																			16.0
5																											

STANDARD SIGN
W11-8

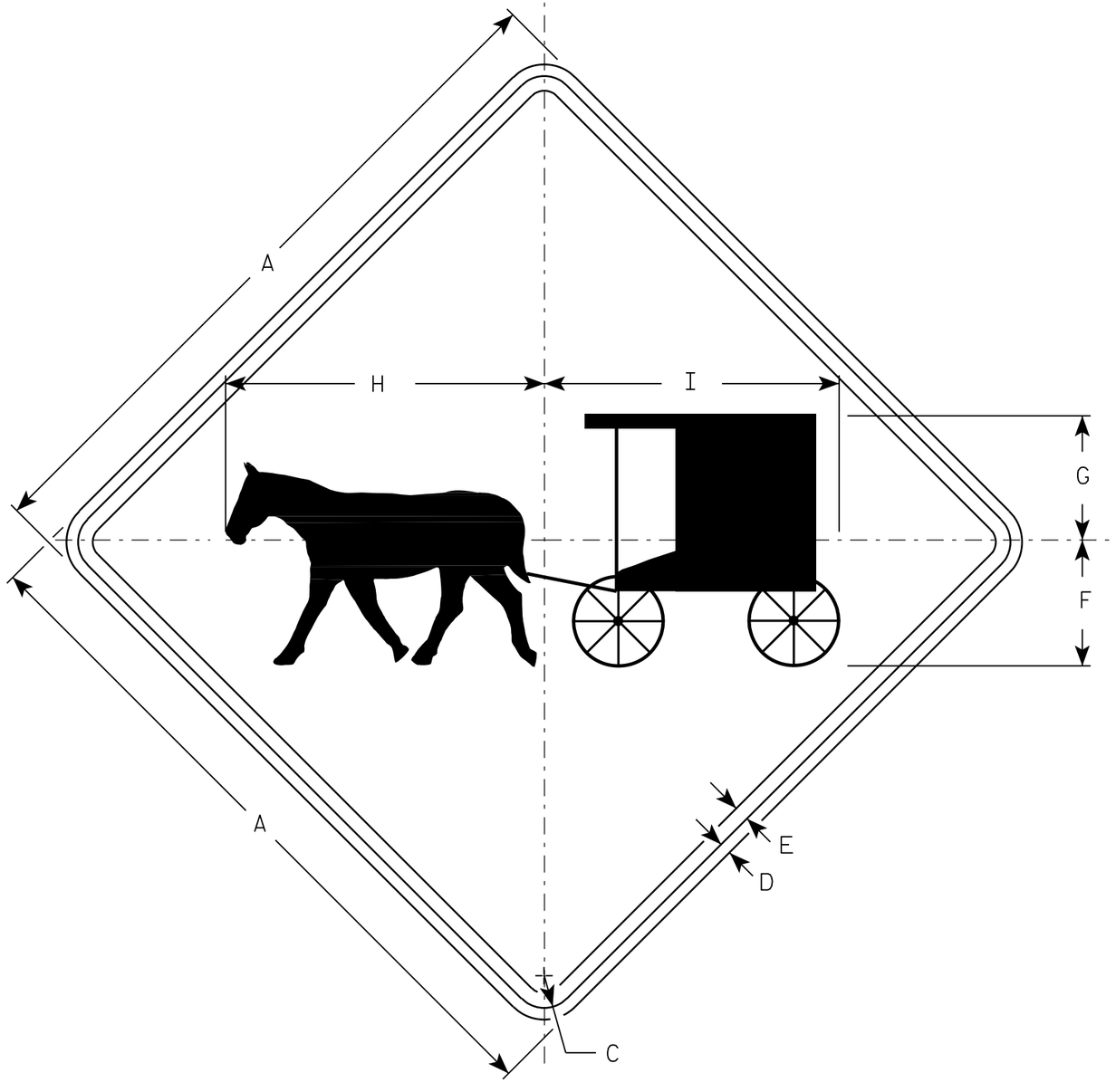
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-8.7

PROJECT NO:

SHEET NO: 359 E



W11-12

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5 3/8	5 1/4	13 5/8	12 5/8																		6.25
2S	36		1 5/8	5/8	3/4	6 1/2	6 3/8	16 3/8	15 1/8																		9.0
2M	36		1 5/8	5/8	3/4	6 1/2	6 3/8	16 3/8	15 1/8																		9.0
3	48		2 1/4	3/4	1	8 5/8	8 1/2	21 7/8	20 1/8																		16.0
4																											
5																											

STANDARD SIGN
W11-12

WISCONSIN DEPT OF TRANSPORTATION

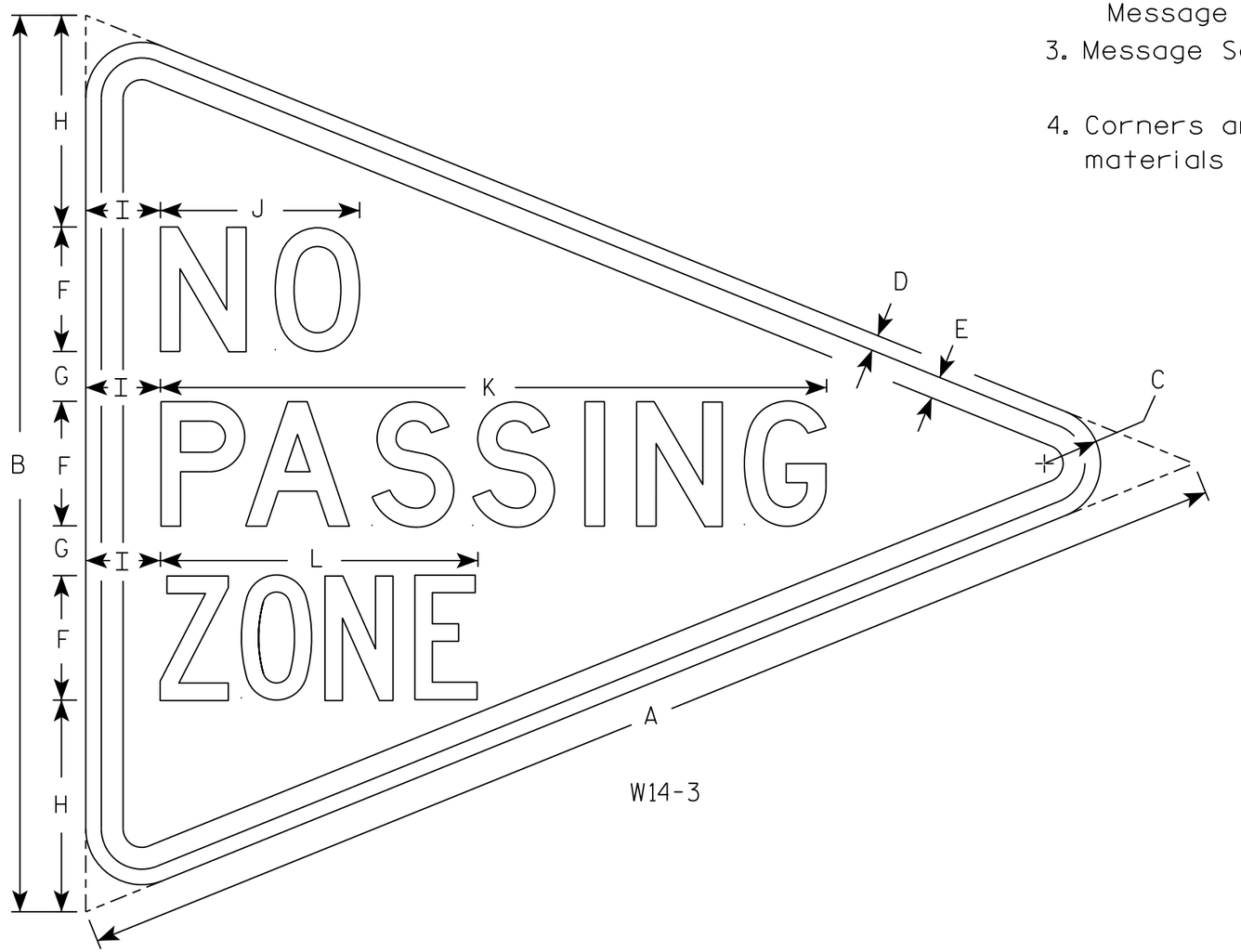
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-12.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 360	E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

STANDARD SIGN
W14-3

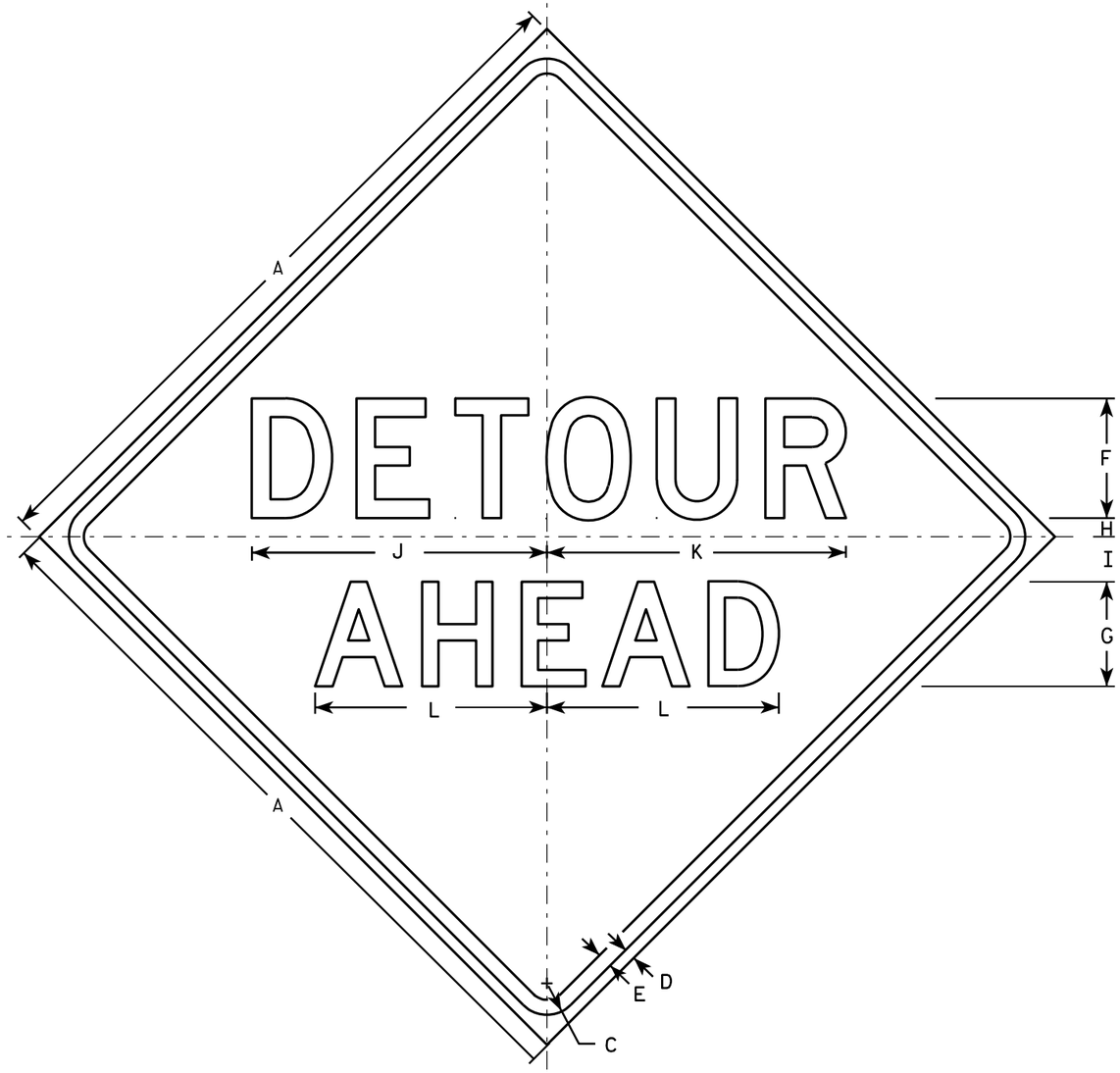
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

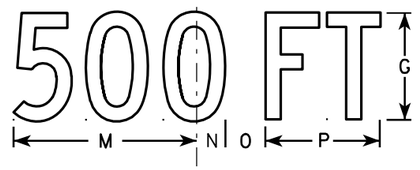
DATE 3/21/17 PLATE NO. W14-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 361 | E

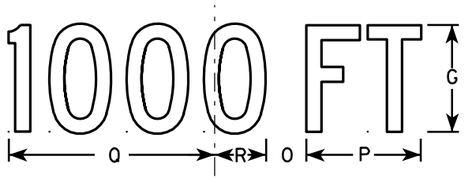
7



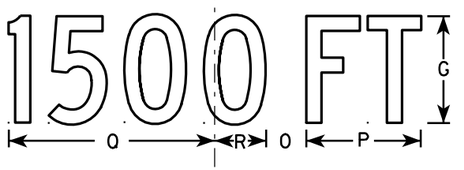
W20-2A



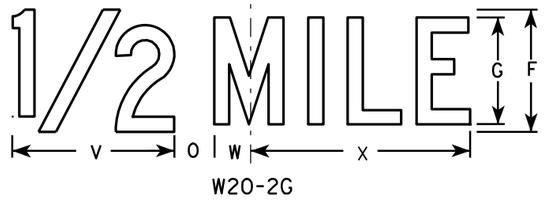
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

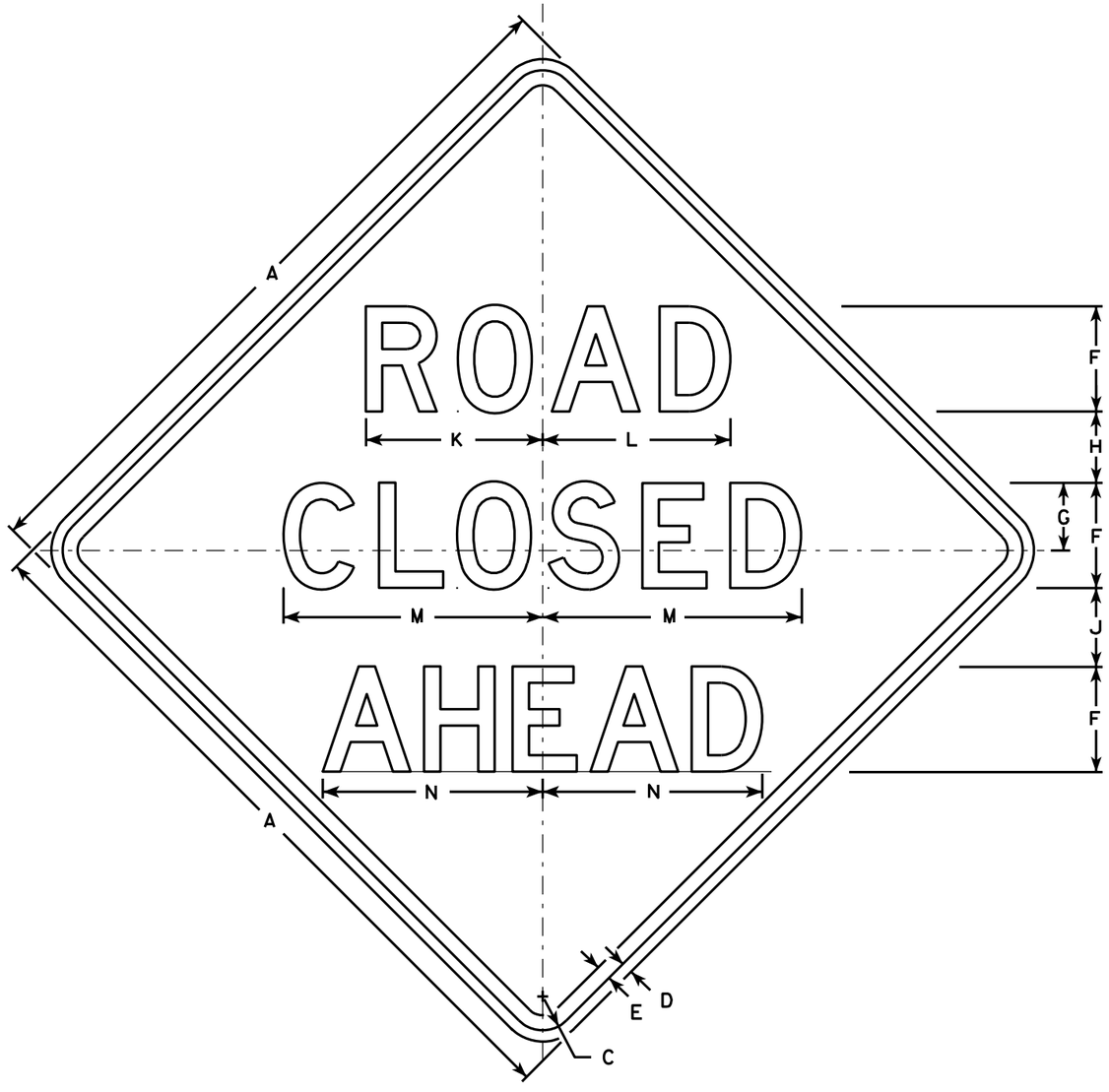
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-2.6

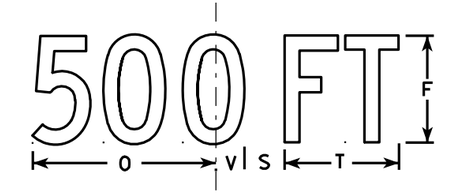
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 362 | E

7

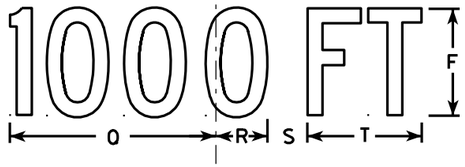
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



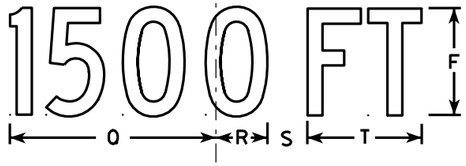
W20-3A



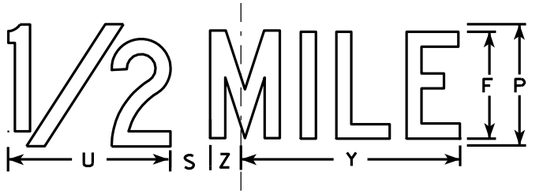
W20-3D



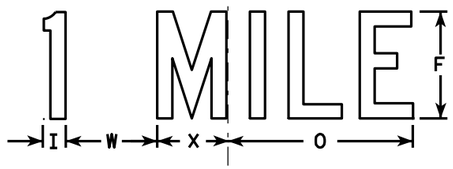
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

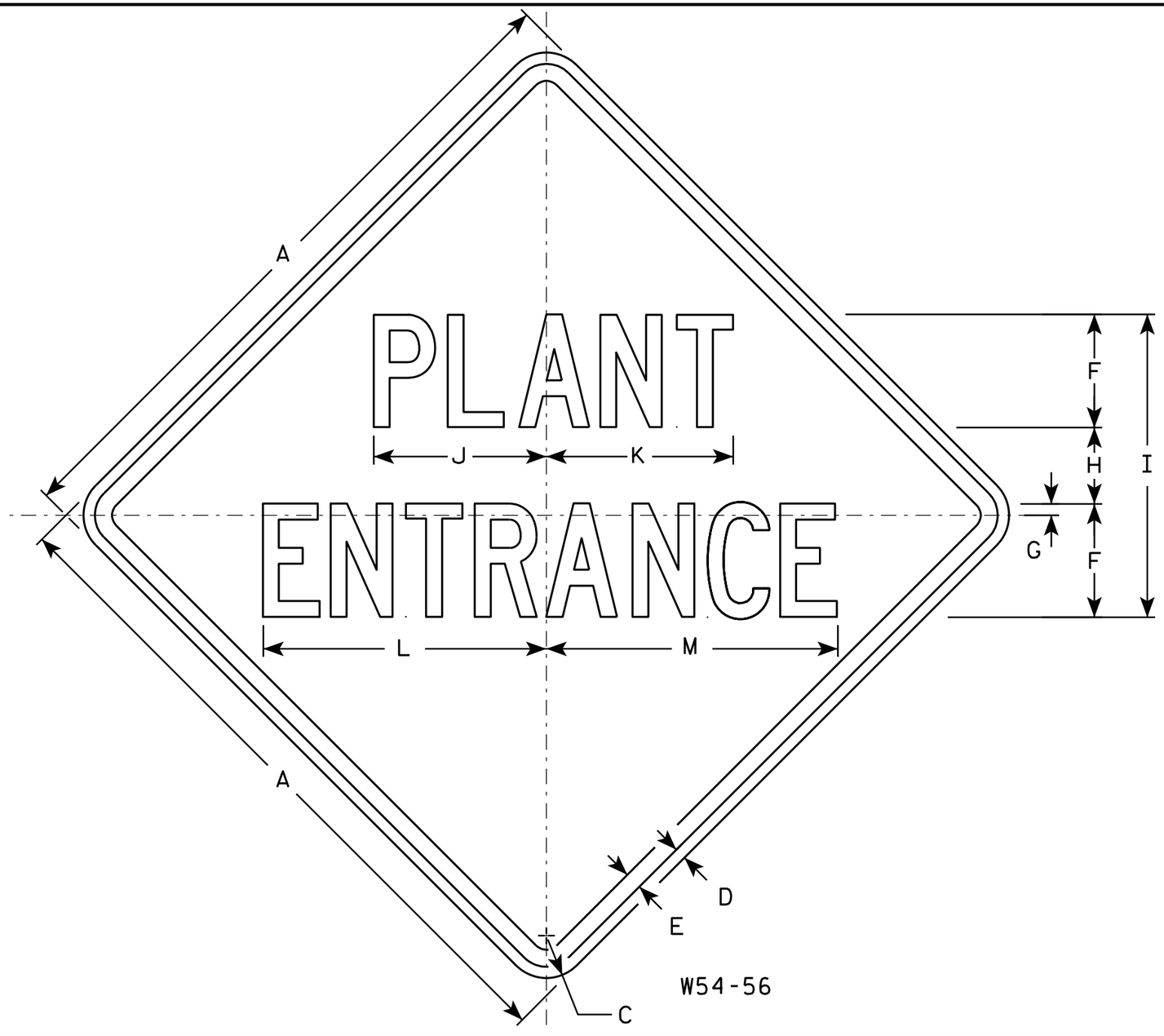
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 363 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	3/8	2 3/4	10 3/4	6 1/8	6 5/8	10	10 3/8														4.00
2S	30		1 3/8	1/2	5/8	5	1/2	3 3/8	13 3/8	7 5/8	8 1/4	12 1/2	12 7/8														6.25
2M	36		1 5/8	5/8	3/4	6	5/8	4 1/8	16 1/8	9 1/8	9 7/8	15	15 3/8														9.00
3	36		1 5/8	5/8	3/4	6	5/8	4 1/8	16 1/8	9 1/8	9 7/8	15	15 3/8														9.00
4																											
5																											

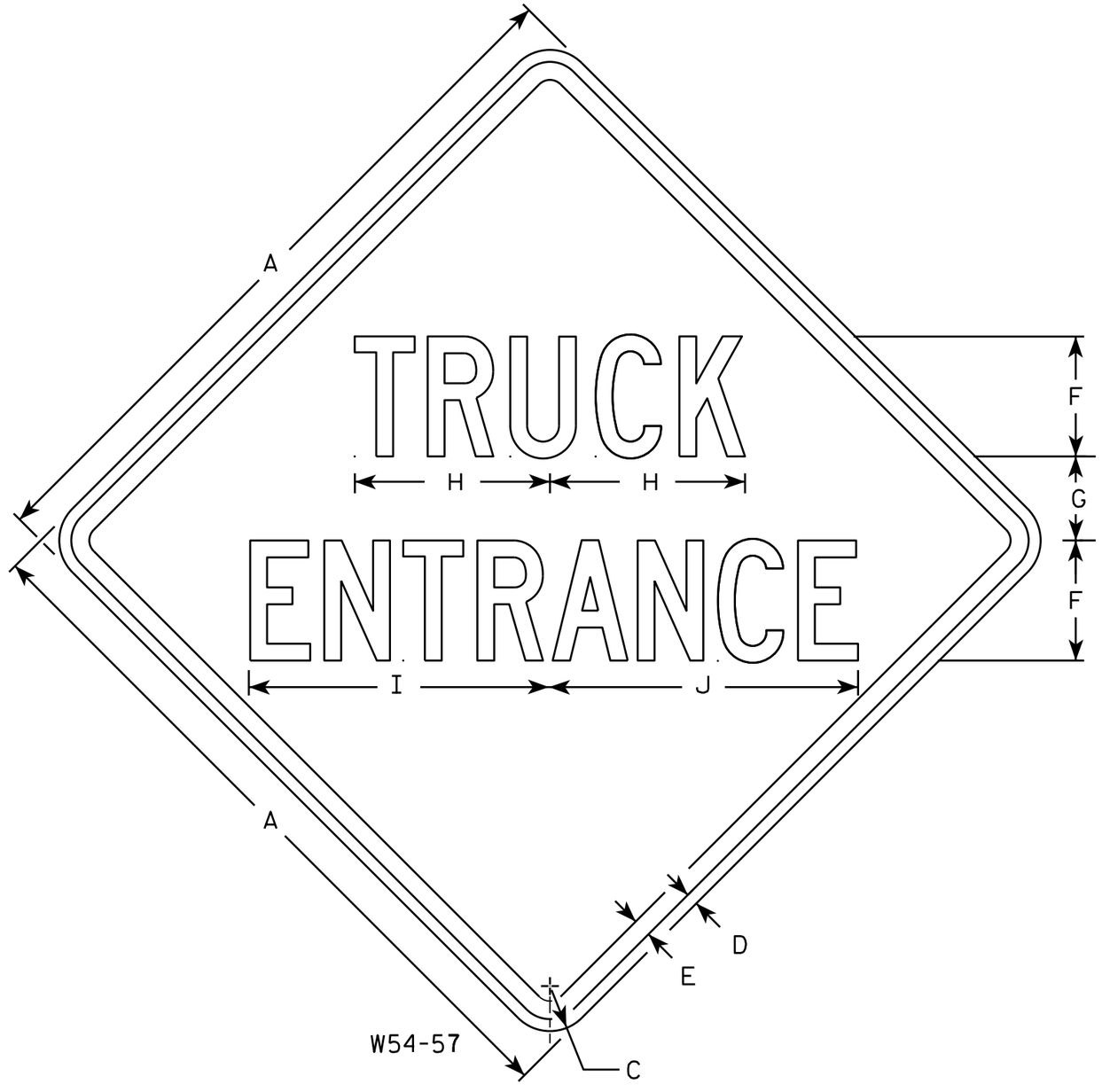
STANDARD SIGN
W54-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W54-56.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 364	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 3/8	1/2	5/8	5	3 1/2	8 1/8	12 1/2	12 7/8																	6.25
2M	36		1 5/8	5/8	3/4	6	4 1/4	9 5/8	15	15 3/8																	9.00
3	36		1 5/8	5/8	3/4	6	4 1/4	9 5/8	15	15 3/8																	9.00
4	48		2 1/4	3/4	1	8	5 1/2	13	20	20 5/8																	16.00
5																											

STANDARD SIGN
W54-57

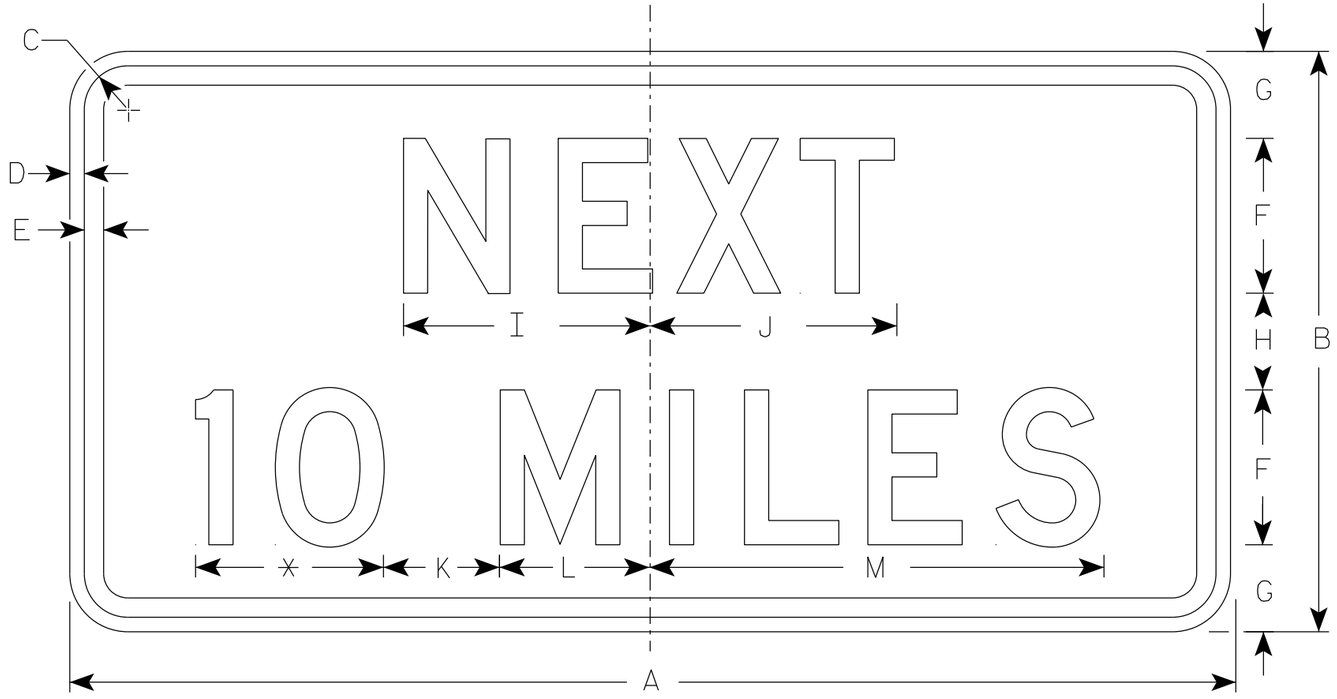
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE W54-57.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W5457.DGN PLOT DATE : 27-APR-2016 10:05 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.594294:1.000000 WISDOT/CADDS SHEET 42



W57-51

* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	5	5 1/8	3	2 3/4	9 5/8														2.0
2S	30	15	1 1/8	3/8	1/2	4	2 1/2	2	6 3/8	6 3/8	3	3 7/8	11 3/4														3.13
2M	36	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
3	36	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
4	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

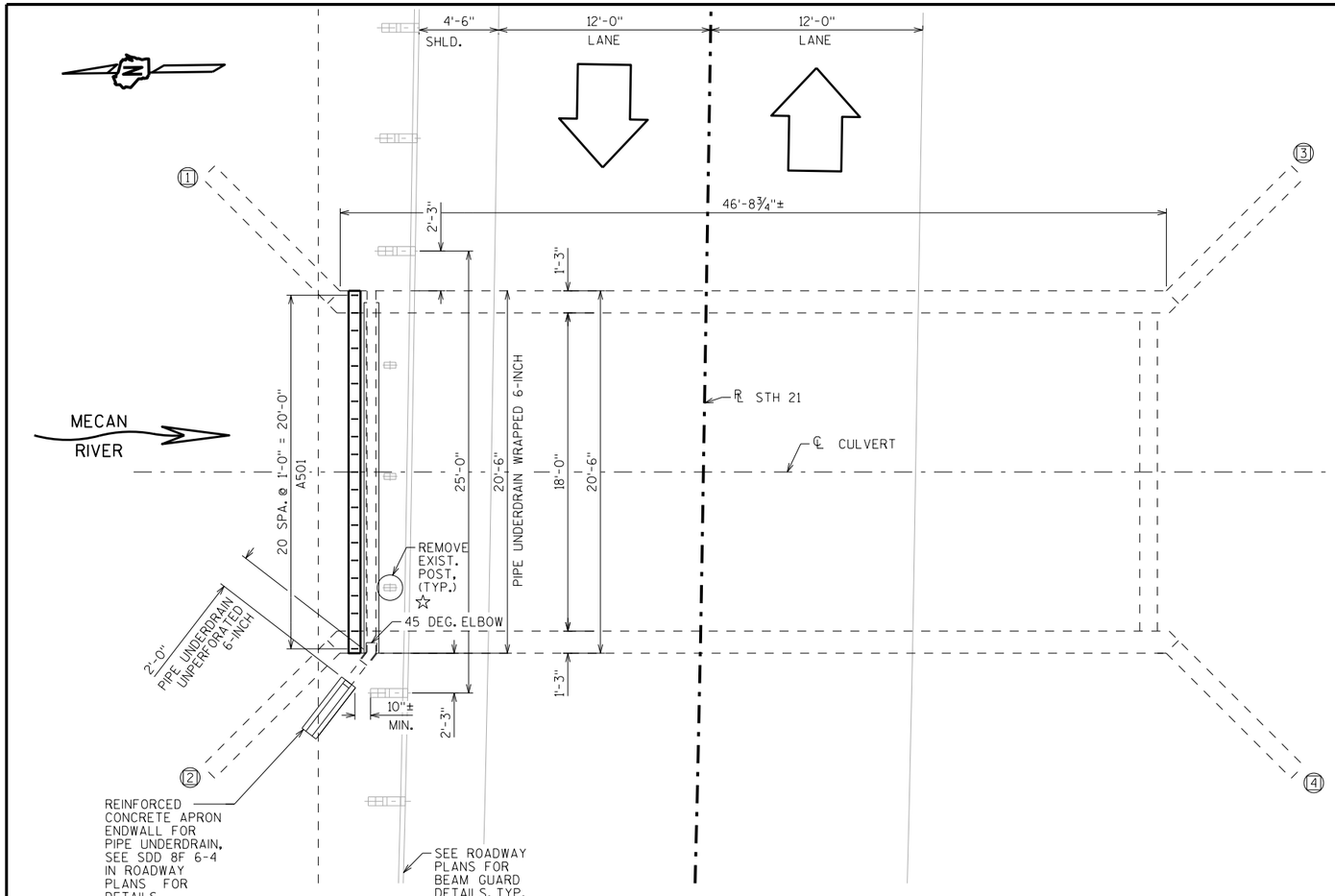
STANDARD SIGN
W57-51

WISCONSIN DEPT OF TRANSPORTATION

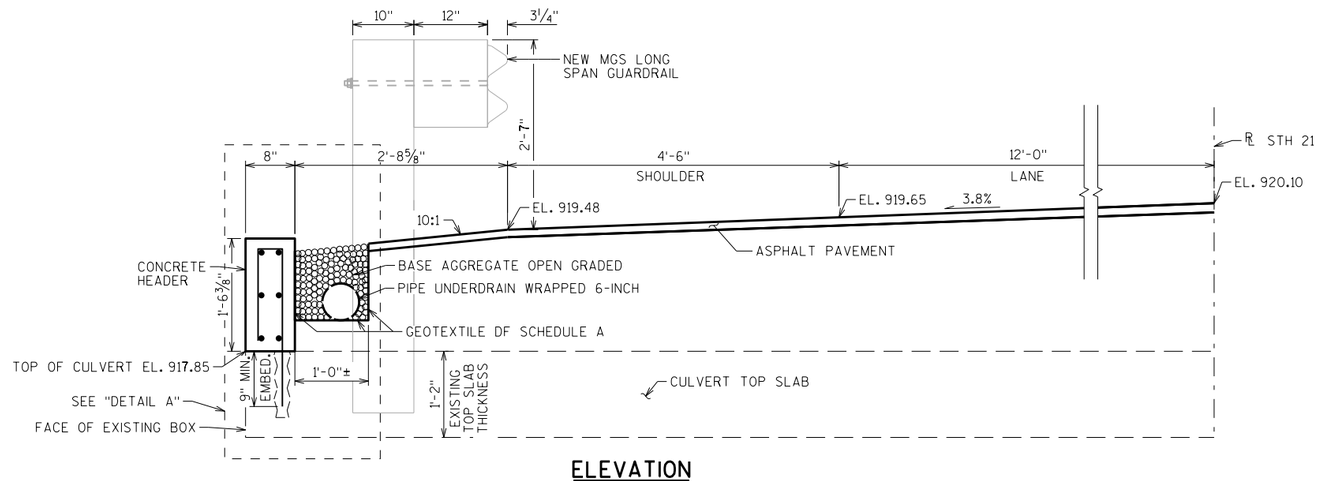
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/1/19 PLATE NO. W57-51.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 366 | E



PLAN



ELEVATION

(LOOKING EAST, ELEVATIONS TAKEN FROM WEST EDGE OF CULVERT

DESIGN DATA

MATERIAL PROPERTIES:

CONCRETE MASONRY:
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.

TRAFFIC VOLUME

FEATURE ON

ADT = 5,460 (2021)
R.D.S. = 55 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

☆ REMOVE EXISTING BEAM GUARD, (TYP.) CUT STEEL POST DOWN TO CONCRETE SLAB, LEAVING BOLTS AND NUTS IN PLACE. (TYP.) TO BE PAID FOR UNDER "REMOVING GUARDRAIL" ROADWAY BID ITEM.

⬡ INDICATES WING NUMBER

(A23) ADHESIVE ANCHORS NO. 5 BAR EMBED INTO EXIST. CONCRETE 9" MIN.

BILL OF BARS

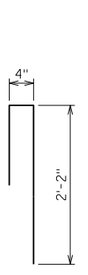
	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
(A23)	A501	X	21	3'-6"	X	NORTH CULVERT HEADER
	A402	X	6	20'-3"		NORTH CULVERT HEADER

TOTAL ESTIMATED QUANTITIES

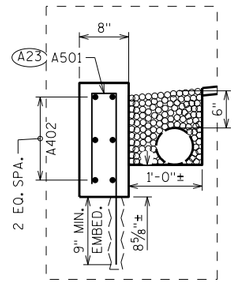
BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-69-1	EACH	1
310.0110	BASE AGGREGATE OPEN-GRADED	TON	2
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	21
504.0100	CONCRETE MASONRY CULVERTS	CY	1
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	160
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	2
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	21
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	7

LIST OF DRAWINGS

1. DRAINAGE REPAIR



A501



DETAIL A

STRUCTURE DESIGN CONTACTS:

JOHN SENDOR (608) 266-5163
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED DMB 08/18/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-69-1

STH 21 OVER THE MECAN RIVER

COUNTY	TOWN
WAUSHARA	RICHFORD

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JJS	SCL	JJS	SCL

DRAINAGE REPAIR

SHEET 1 OF 1

367

I.D. 6170-00-00A DATE: APR. 2022

SCALE = 4.00

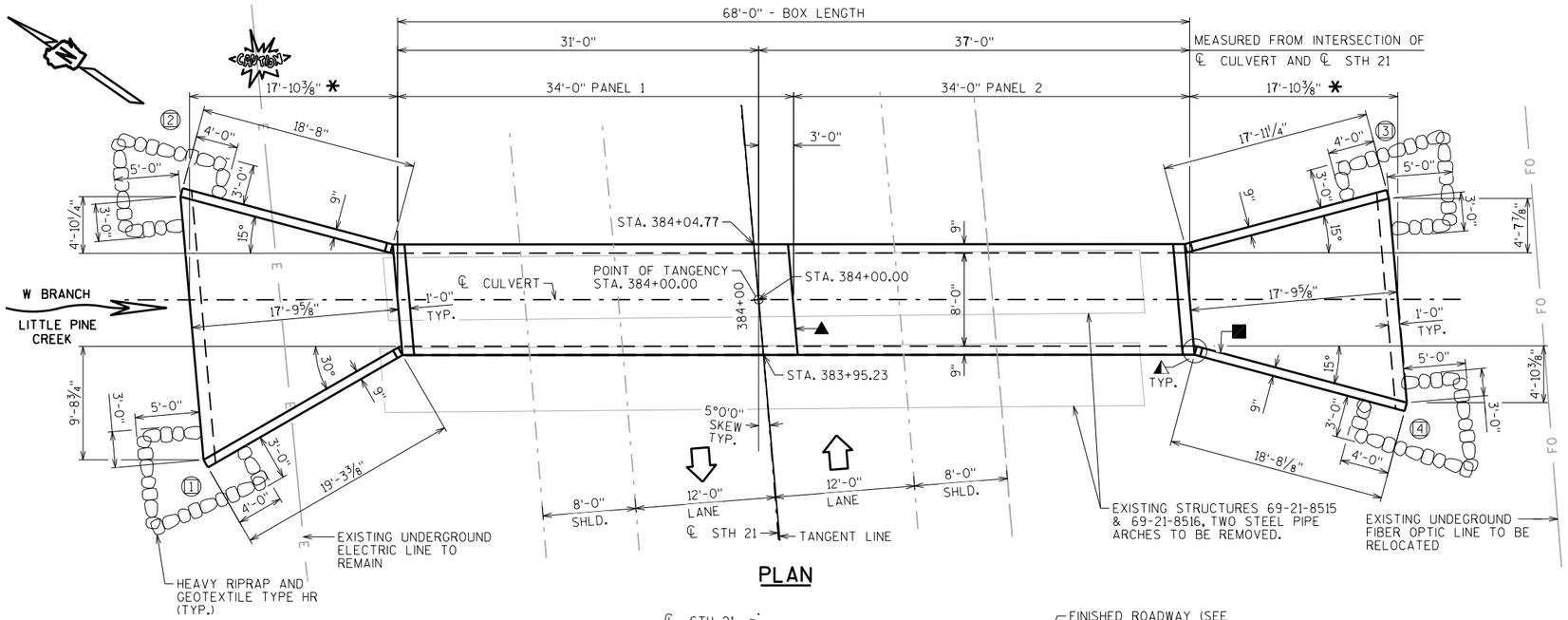
STATE PROJECT NUMBER
6170-00-70

8

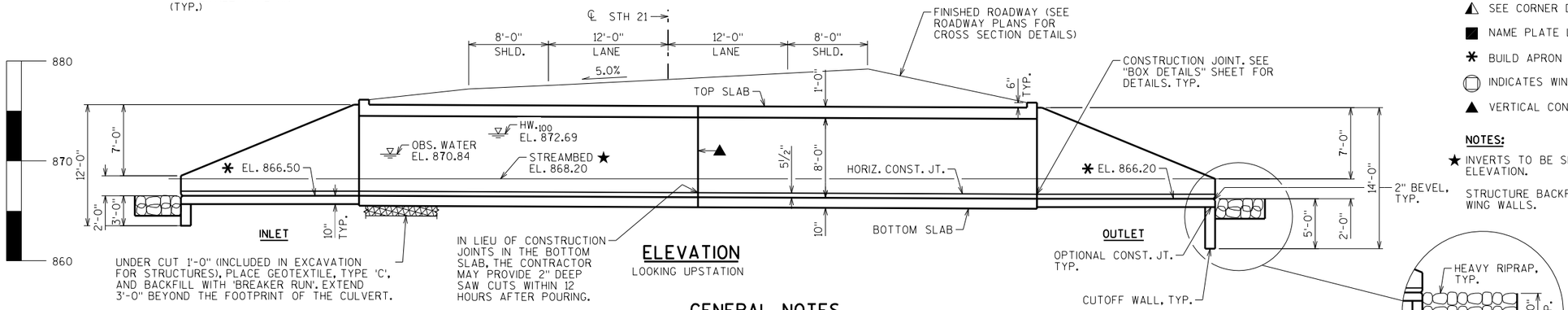
8

STATE PROJECT NUMBER

6170-00-70



PLAN



ELEVATION

LOOKING UPSTATION

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.05
OPERATING RATING FACTOR: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 (KIPS)

EARTH LOAD:

DESIGNED FOR 1.5 TO 4 FT. OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY: ——— f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT: ——— fy = 60,000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 80 C.F.S.
$VEL._{100}$ = 2.59 F.P.S.
$HW._{100}$ = EL. 872.69
WATERWAY AREA = 30.89 SQ. FT.
DRAINAGE AREA = 3.59 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY

Q_2 = 35 C.F.S.
$VEL._2$ = 1.36 F.P.S.
$HW._2$ = EL. 871.94

TRAFFIC VOLUME

STH 21

ADT = 5700 (2040)
R.D.S. = 55 M.P.H.

CURVE DATA

℄ STH 21

P.I. = 381+51.53
△ = 53°38'51"
D = 2°29'59"
T = 1158.97'
L = 2146.06'
R = 2292.00'
S.E. = 5.0%
P.C. = 369+92.56
P.T. = 391+38.62

▲ SEE CORNER DETAILS ON "DETAILS" SHEET

■ NAME PLATE LOCATION (SEE "DETAILS" SHEET)

✱ BUILD APRON AND END OF BOX LEVEL

⬡ INDICATES WING NUMBER.

▲ VERTICAL CONSTRUCTION JOINT

NOTES:

★ INVERTS TO BE SET 2'-0" BELOW STREAMBED ELEVATION.

STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE 69-21-8515	EACH	1
203.0220	REMOVING STRUCTURE 69-21-8516	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-69-17	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	1,428
311.0115	BREAKER RUN	CY	66
504.0100	CONCRETE MASONRY CULVERTS	CY	119
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	12,960
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	3,790
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	23
606.0300	RIPRAP HEAVY	CY	14
645.0105	GEOTEXTILE TYPE C	SY	230
645.0120	GEOTEXTILE TYPE HR	SY	50
	NON-BID ITEMS		
	FILLER	SIZE	¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-69-17" SHALL BE THE EXISTING GROUNDLINE.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

THE NORTH CENTRAL REGION SOILS ENGINEER SHOULD BE PRESENT TO EVALUATE THE SURFACE CONDITIONS AT THE TIME OF CONSTRUCTION.

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON DETAILS
4. DETAILS
5. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:

ENGELS VARGAS (608) 267-7111
DOMINIQUE BECHLE (608) 261-8205

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED DMB 10/07/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-69-17

STH 21 OVER W BRANCH OF LITTLE PINE CREEK

COUNTY	TOWN
WAUSHARA	RICHFORD

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EJV	SEW	EJV	SEW

LAYOUT

SHEET 1 OF 5

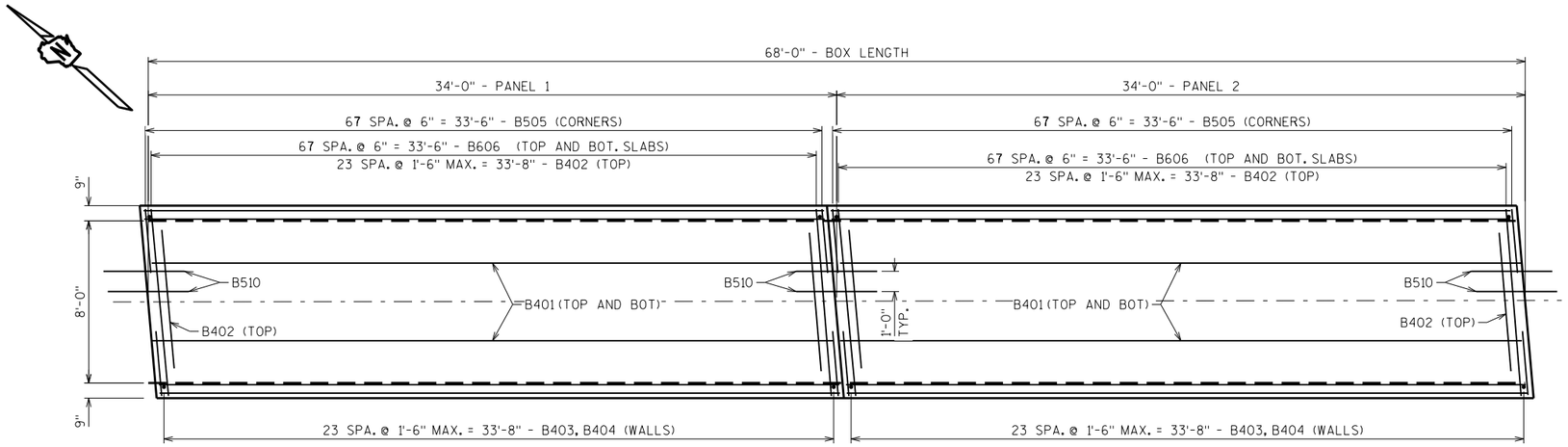
368

I.D. 6170-00-00B DATE: AUG. 2022

SCALE = 6.00

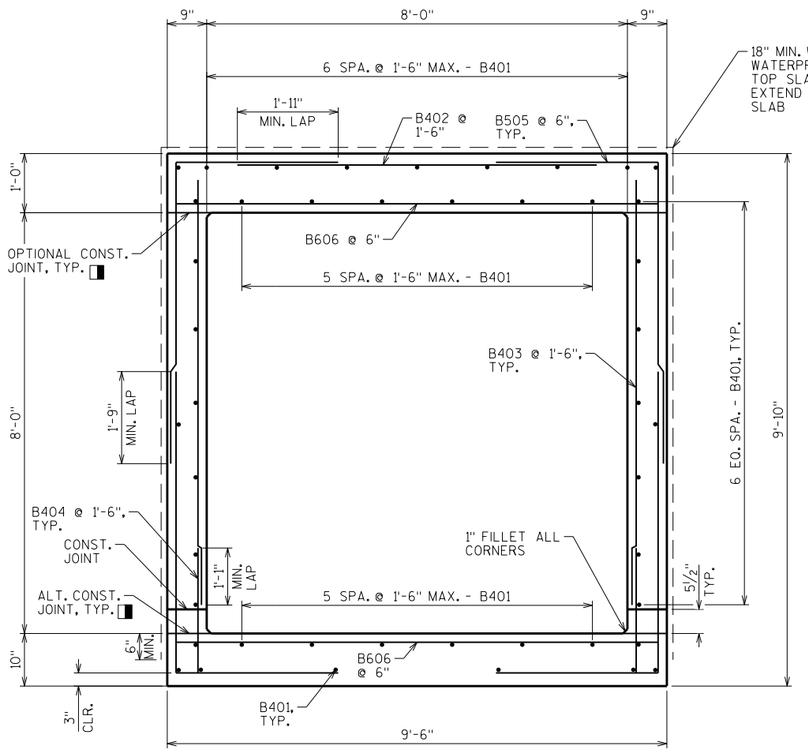
STATE PROJECT NUMBER

6170-00-70



PLAN

APRON AND HEADER NOT SHOWN FOR CLARITY



SECTION THRU BOX

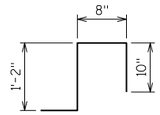
ALL LONGITUDINAL BARS NOT LABELED ARE B401 AS SHOWN.

◨ OMIT 1" FILLET IF OPTIONAL CONSTRUCTION JOINT IS USED.

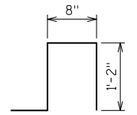
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

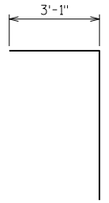
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B401		90	33'-8"			TOP & BOT. SLAB & WALLS - LONGIT.
B402		48	6'-10"			TOP SLAB - HORIZ. TRANS.
B403		96	8'-2"			WALLS - VERT.
B404		96	2'-5"			WALLS - DOWELS - VERT.
B505		544	9'-0"	X		CORNERS
B606		272	9'-2"			TOP & BOTTOM - TRANS.
B407		4	9'-2"			HEADER - HORIZ.
B308		13	2'-11"	X		INLET HEADER - VERT.
B309		13	3'-3"	X		OUTLET HEADER - VERT.
B510		38	4'-0"			VERT. CONST. JOINT & APRON CONNECTION



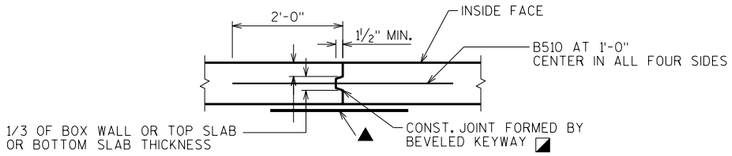
B308



B309



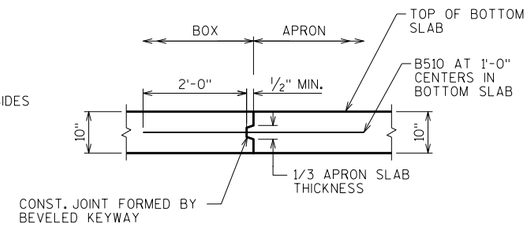
B505



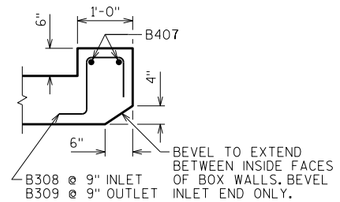
VERTICAL CONSTRUCTION JOINT

◪ IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.

▲ 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING. SEAL JOINTS UP THE WALLS AND ACROSS THE TOP SLAB.



APRON CONNECTION DETAIL



SECTION THRU HEADER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-69-17

DRAWN BY EJV | PLANS CK'D. SEW

BOX DETAILS

SHEET 2

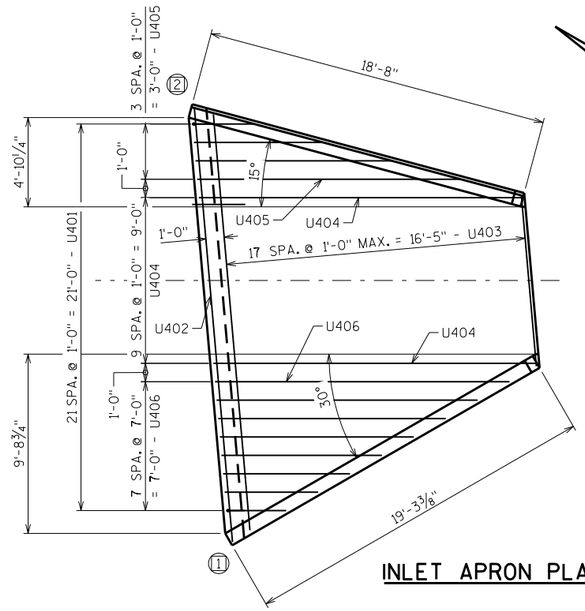
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SCALE = 3.50

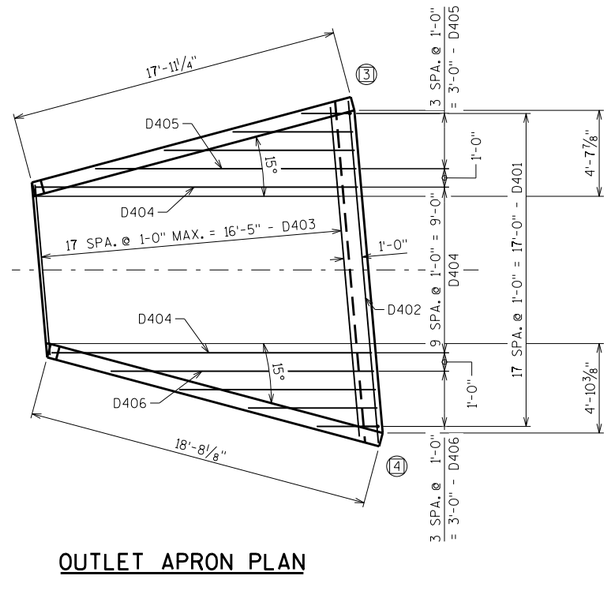
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8

INDICATES WING NUMBER



INLET APRON PLAN

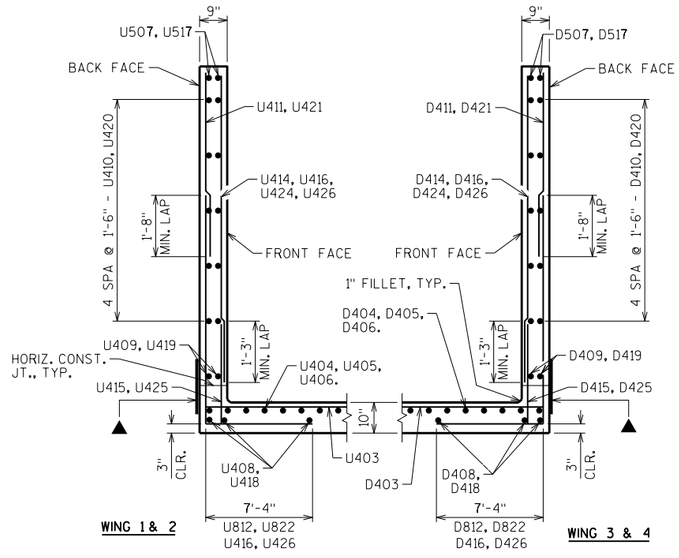


OUTLET APRON PLAN

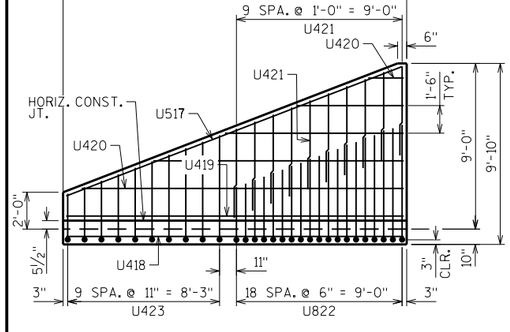
▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. PLACE ALONG HORIZ. CONST. JOINT FOR ENTIRE LENGTH OF WING.

STATE PROJECT NUMBER

6170-00-70

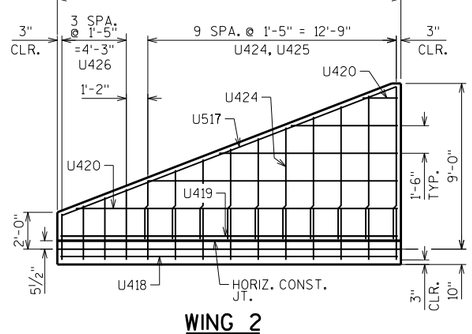


SECTION THRU WINGS



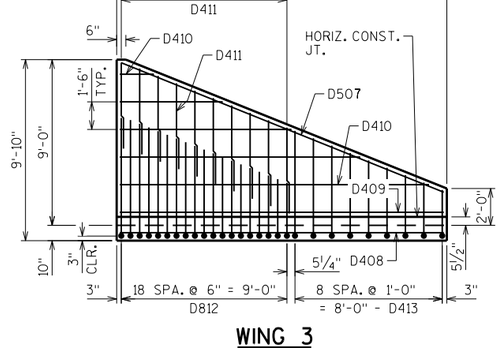
WING 2

SHOWING B.F. OF REINFORCEMENT



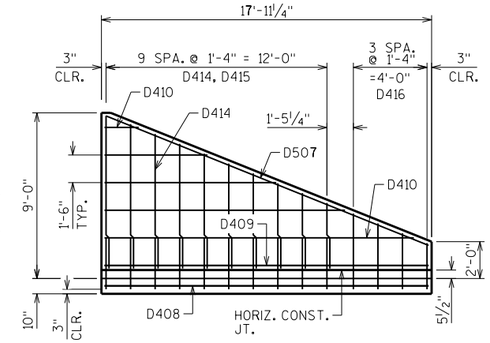
WING 2

SHOWING F.F. OF REINFORCEMENT



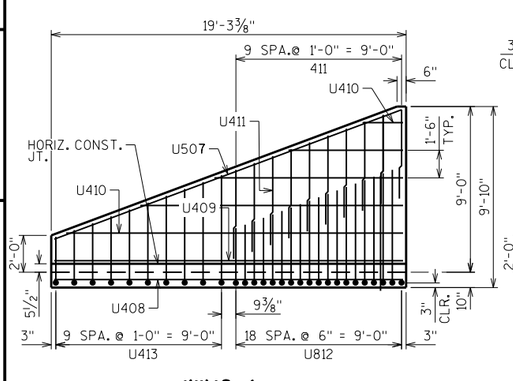
WING 3

SHOWING B.F. OF REINFORCEMENT



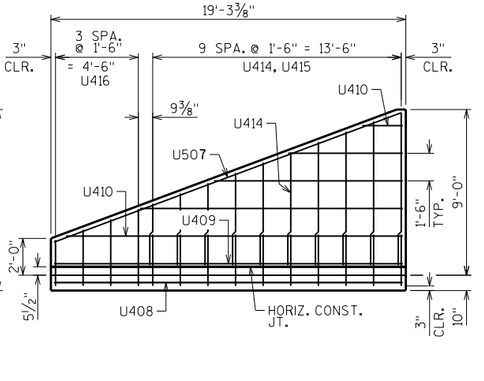
WING 3

SHOWING F.F. OF REINFORCEMENT



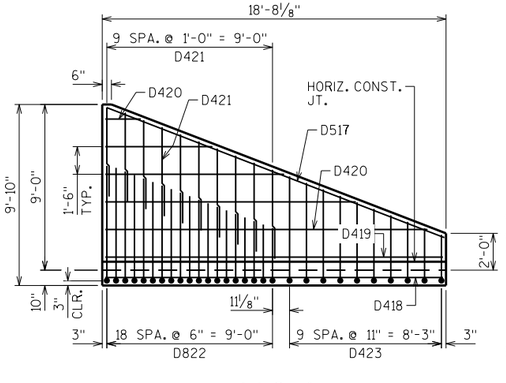
WING 1

SHOWING B.F. OF REINFORCEMENT



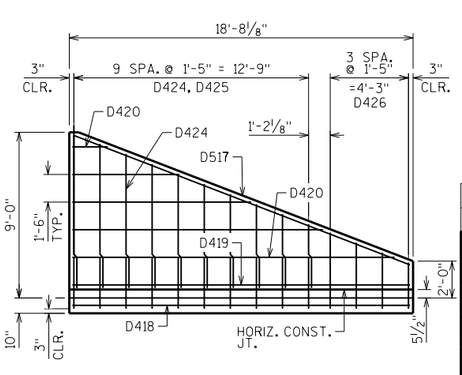
WING 1

SHOWING F.F. OF REINFORCEMENT



WING 4

SHOWING B.F. OF REINFORCEMENT



WING 4

SHOWING F.F. OF REINFORCEMENT

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-69-17

DRAWN BY EJV | PLANS CK'D. SEW

APRON DETAILS

SHEET 3

370

SCALE = 4.00

STATE PROJECT NUMBER

6170-00-70

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

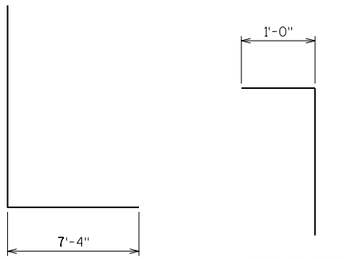
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
U401		22	3'-6"	X		INLET APRON - CUT OFF WALL - VERT.
U402		4	23'-8"			INLET APRON - CUT OFF WALL - HORIZ.
U403		18	16'-4"		⚠	INLET APRON - TRANS. - HORIZ.
U404		10	17'-6"			INLET APRON - LONGIT. - HORIZ.
U405		4	8'-10"		⚠	INLET APRON - LONGIT. - HORIZ.
U406		8	9'-8"		⚠	INLET APRON - LONGIT. - HORIZ.
U507	X	2	20'-2"			WING 1 HORIZ. - TOP BOTH FACES
U408	X	3	18'-11"			WING 1 HORIZ. - BOTTOM - APRON SLAB
U409	X	2	18'-11"			WING 1 HORIZ. - BOTTOM - BOTH FACES
U410	X	10	10'-4"		⚠	WING 1 HORIZ. - BOTH FACES
U411	X	10	4'-10"			WING 1 VERT. - BACK FACE
U812	X	19	11'-10"	X	⚠	WING 1 VERT. - BACK FACE
U413	X	10	11'-5"	X	⚠	WING 1 VERT. - BACK FACE
U414	X	10	6'-2"		⚠	WING 1 VERT. - FRONT FACE
U415	X	10	2'-10"			WING 1 VERT. - FRONT FACE
U416	X	4	3'-5"		⚠	WING 1 VERT. - FRONT FACE
U517	X	2	19'-7"			WING 2 HORIZ. - TOP BOTH FACES
U418	X	3	18'-4"			WING 2 HORIZ. - BOTTOM - APRON SLAB
U419	X	2	18'-4"			WING 2 HORIZ. - BOTTOM - BOTH FACES
U420	X	10	9'-10"		⚠	WING 2 HORIZ. - BOTH FACES
U421	X	10	4'-10"			WING 2 VERT. - BACK FACE
U822	X	19	11'-11"	X	⚠	WING 2 VERT. - BACK FACE
U423	X	10	11'-5"	X	⚠	WING 2 VERT. - BACK FACE
U424	X	10	6'-6"		⚠	WING 2 VERT. - FRONT FACE
U425	X	10	2'-10"			WING 2 VERT. - FRONT FACE
U426	X	4	4'-2"		⚠	WING 2 VERT. - FRONT FACE
D401		18	5'-6"	X		OUTLET APRON - CUT OFF WALL -VERT.
D402		6	18'-8"			OULET APRON - CUT OFF WALL - HORIZ.
D403		18	13'-10"		⚠	OUTLET APRON - TRANS. - HORIZ.
D404		10	17'-6"			OUTLET APRON - LONGIT. - HORIZ.
D405		4	8'-4"		⚠	OUTLET APRON - LONGIT. - HORIZ.
D406		4	8'-9"		⚠	OUTLET APRON - LONGIT. - HORIZ.
D507	X	2	18'-10"			WING 3 HORIZ. - TOP BOTH FACES
D408	X	3	17'-7"			WING 3 HORIZ. - BOTTOM - APRON SLAB
D409	X	2	17'-7"			WING 3 HORIZ. - BOTTOM - BOTH FACES
D410	X	10	9'-3"		⚠	WING 3 HORIZ. - BOTH FACES
D411	X	10	4'-10"			WING 3 VERT. - BACK FACE
D812	X	19	12'-0"	X	⚠	WING 3 VERT. - BACK FACE
D413	X	9	11'-4"	X	⚠	WING 3 VERT. - BACK FACE
D414	X	10	5'-11"		⚠	WING 3 VERT. - FRONT FACE
D415	X	10	2'-10			WING 3 VERT. - FRONT FACE
D416	X	4	3'-5"		⚠	WING 3 VERT. - FRONT FACE
D517	X	2	19'-4"			WING 4 HORIZ. - TOP BOTH FACES
D418	X	3	18'-4"			WING 4 HORIZ. - APRON SLAB
D419	X	2	18'-4"			WING 4 HORIZ. - BOTTOM - BOTH FACES
D420	X	10	9'-10"		⚠	WING 4 HORIZ. - BOTH FACES
D421	X	10	4'-10"			WING 4 VERT. - BACK FACE
D822	X	19	11'-11"	X	⚠	WING 4 VERT. - BACK FACE
D423	X	10	11'-4"	X	⚠	WING 4 VERT. - BACK FACE
D424	X	10	5'-10"		⚠	WING 4 VERT. - FRONT FACE
D425	X	10	2'-10"			WING 4 VERT. - FRONT FACE
D426	X	4	3'-5"		⚠	WING 4 VERT. - FRONT FACE

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

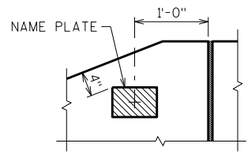
BAR MARK	NO. REQ'D.	LENGTH
U403	1 SERIES OF 18	9'-8" TO 23'-0"
U405	1 SERIES OF 4	3'-4" TO 14'-4"
U406	1 SERIES OF 8	3'-3" TO 16'-0"
U410	2 SERIES OF 5	2'-3" TO 18'-4"
U812	1 SERIES OF 19	10'-2" TO 13'-6"
U413	1 SERIES OF 10	9'-7" TO 13'-2"
U414	1 SERIES OF 10	3'-6" TO 8'-9"
U416	1 SERIES OF 4	2'-7" TO 4'-3"
U420	2 SERIES OF 5	2'-2" TO 17'-8"
U822	1 SERIES OF 19	10'-2" TO 13'-8"
U423	1 SERIES OF 10	9'-9" TO 13'-0"
U424	1 SERIES OF 10	4'-10" TO 8'-2"
U426	1 SERIES OF 4	2'-6" TO 5'-9"
D403	1 SERIES OF 18	9'-5" TO 18'-2"
D405	1 SERIES OF 4	2'-9" TO 14'-2"
D406	1 SERIES OF 4	3'-5" TO 14'-4"
D410	2 SERIES OF 5	1'-7" TO 16'-11"
D812	1 SERIES OF 19	10'-2" TO 13'-9"
D413	1 SERIES OF 9	9'-9" TO 12'-11"
D414	1 SERIES OF 10	3'-6" TO 8'-3"
D416	1 SERIES OF 4	2'-6" TO 4'-3"
D420	2 SERIES OF 5	1'-9" TO 17'-10"
D822	1 SERIES OF 19	10'-2" TO 13'-8"
D423	1 SERIES OF 10	9'-9" TO 12'-10"
D424	1 SERIES OF 10	3'-4" TO 8'-4"
D426	1 SERIES OF 4	2'-7" TO 4'-2"

BUNDLE AND TAG EACH SERIES SEPARATELY.

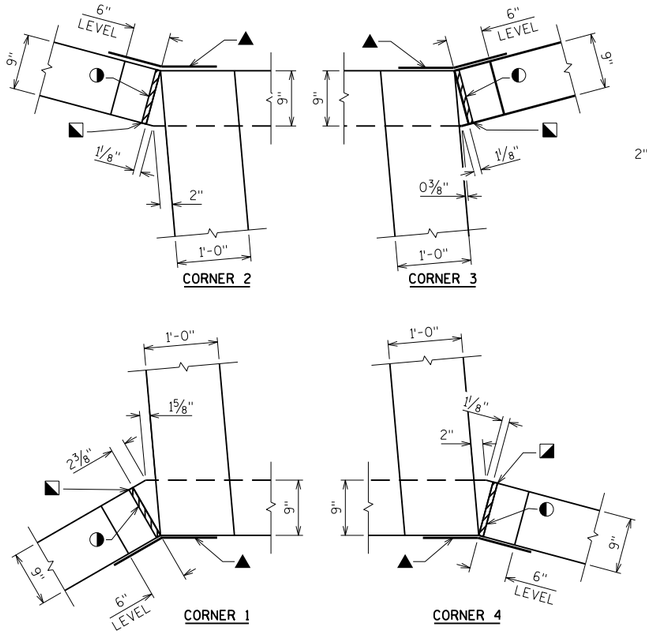


U812, U822, D812, D822, U413, U423, D413, D423.

U401. D401



NAME PLATE LOCATION
WING 4

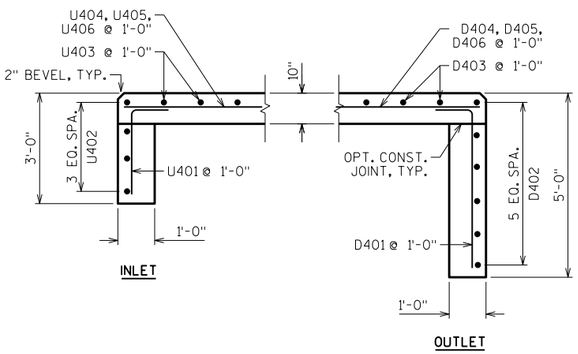


CORNER DETAILS

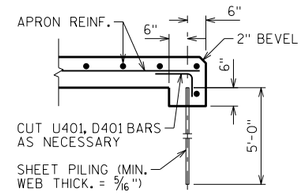
▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◑ ¾" FILLER TYPICAL. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◪ 1" BEVEL TYPICAL.

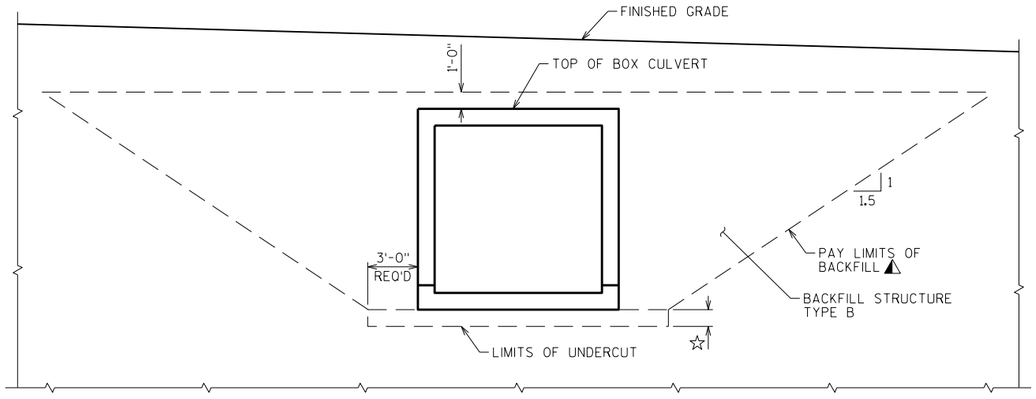


CUT-OFF WALLS



ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.



TYPICAL SECTION THRU BOX CULVERT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 1'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTE MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-69-17

DRAWN BY EJV | PLANS CK'D. SEW

DETAILS

SHEET 4

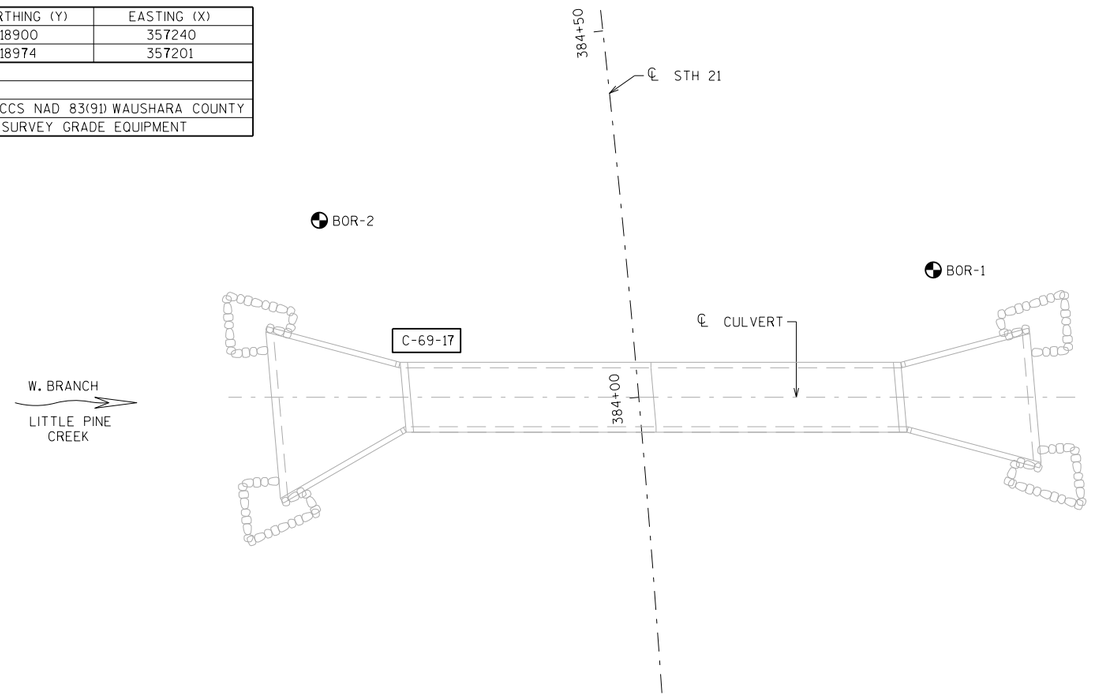
371

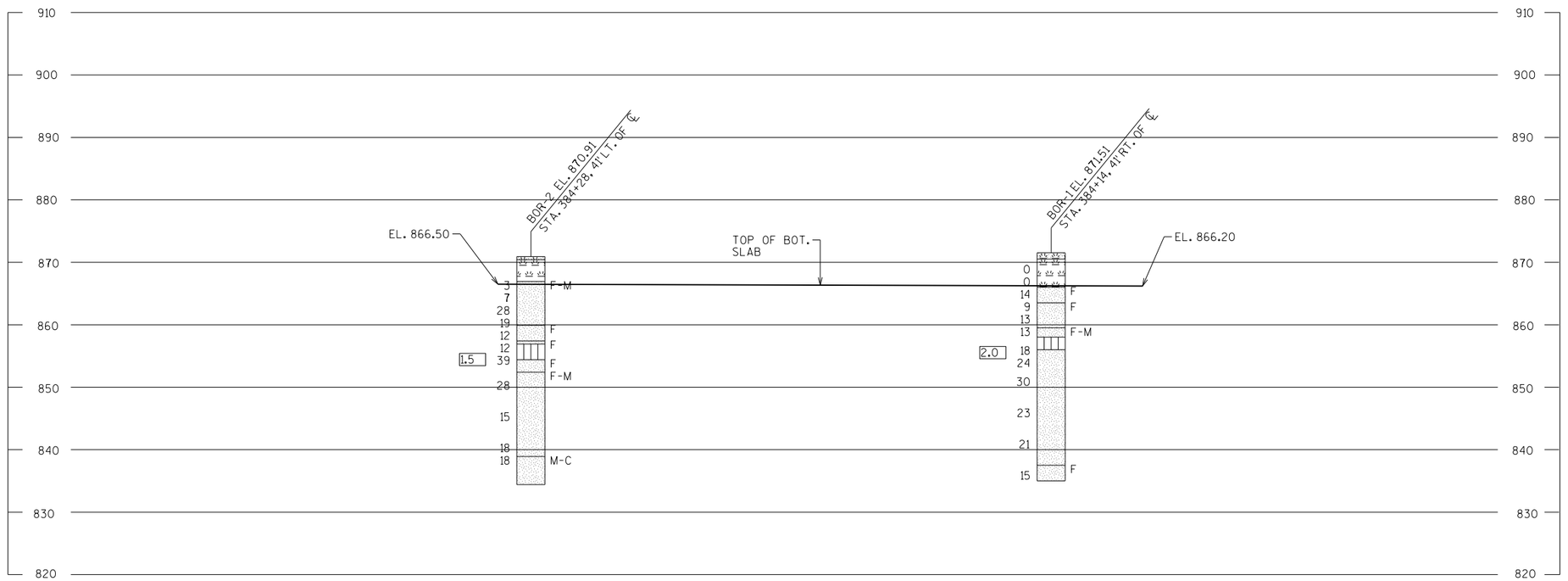
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8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	7/26/2021	118900	357240
2	7/27/2021	118974	357201
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) WAUSHARA COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





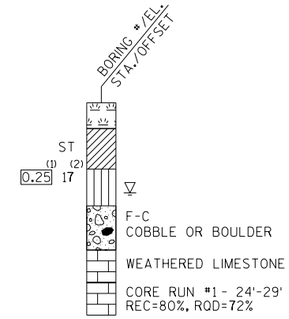
STATE PROJECT NUMBER

6170-00-70

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-69-17

DRAWN BY EJV | PLANS CK'D. SEW

SUBSURFACE EXPLORATION

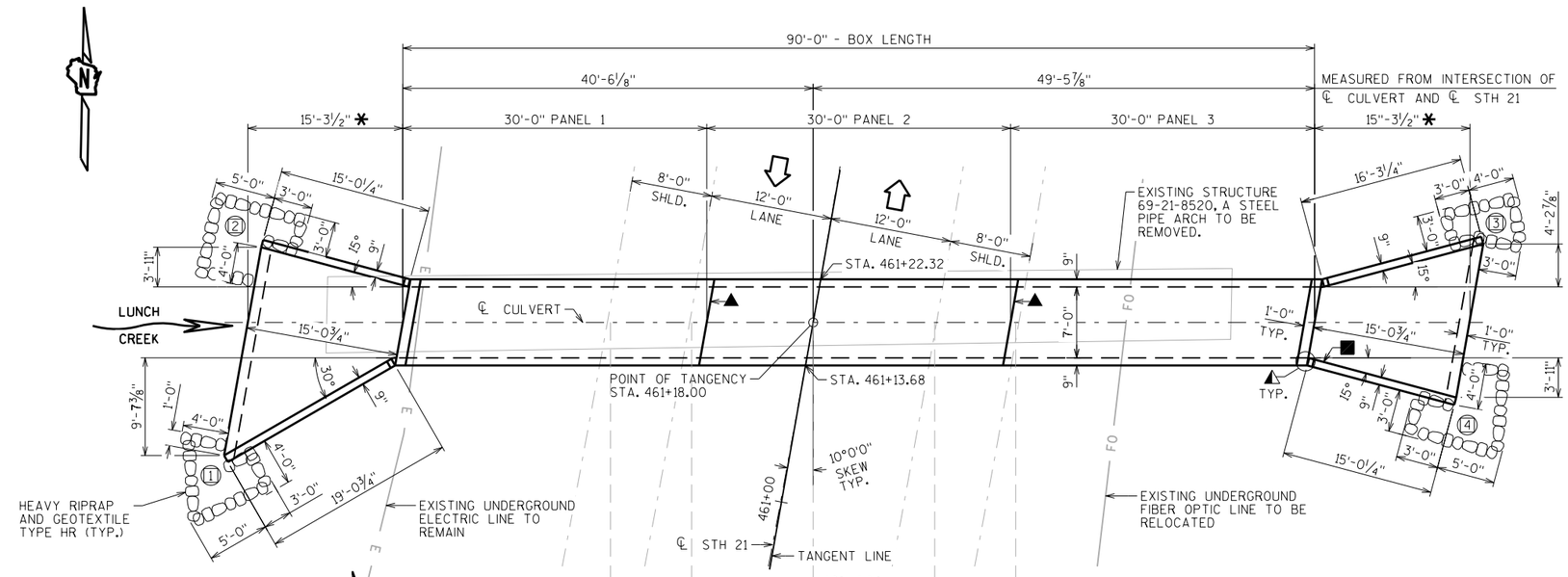
SHEET 5

372

SCALE = 10.00

STATE PROJECT NUMBER

6170-00-70



ELEVATION

LOOKING UPSTATION

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.05
OPERATING RATING FACTOR: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255(KIPS)

EARTHLOAD:
DESIGNED FOR 5.5 TO 8.5 FT. OF FILL.

MATERIAL PROPERTIES:
CONCRETE MASONRY: ——— f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT: ——— fy = 60,000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 90 C.F.S.
$VEL._{100}$ = 3.86 F.P.S.
$HW._{100}$ = EL. 884.40
WATERWAY AREA = 23.32 SQ. FT.
DRAINAGE AREA = 4.84 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY
Q_2 = 35 C.F.S.
$VEL._2$ = 2.32 F.P.S.
$HW._2$ = EL. 883.57

TRAFFIC VOLUME

STH 21
ADT = 5700 (2040)
R.D.S. = 55 M.P.H.

CURVE DATA

℄ STH 21
P.I. = 458+45.45
△ = 33°21'05"
D = 2°59'59"
T = 572.14'
L = 1111.79'
R = 1910.00'
S.E. = 6.0%
P.C. = 452+73.31
P.T. = 463+85.10

△ SEE CORNER DETAILS ON "DETAILS" SHEET

■ NAME PLATE LOCATION (SEE "DETAILS" SHEET)

✱ BUILD APRON AND END OF BOX LEVEL

⬡ INDICATES WING NUMBER

▲ VERT. CONST. JOINT (TYP.)

NOTES:
★ INVERTS TO BE SET 2'-0" BELOW STREAMBED ELEVATION.
STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE 69-21-8520	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-69-18	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	1,517
311.0115	BREAKER RUN	CY	70
504.0100	CONCRETE MASONRY CULVERTS	CY	115
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	12,080
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,990
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	25
606.0300	RIPRAP HEAVY	CY	13
645.0105	GEOTEXTILE TYPE C	SY	242
645.0120	GEOTEXTILE TYPE HR	SY	38
	NON-BID ITEMS		
	FILLER	SIZE	¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-69-18" SHALL BE THE EXISTING GROUNDLINE.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS AND IS REQUIRED BEHIND ALL WING WALLS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

THE NORTH CENTRAL REGION SOILS ENGINEER SHOULD BE PRESENT TO EVALUATE THE SURFACE CONDITIONS AT THE TIME OF CONSTRUCTION.

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON DETAILS
4. DETAILS
5. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:
ENGELS VARGAS (608) 267-7111
DOMINIQUE BECHLE (608) 261-8205

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED DMB 08/18/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-69-18

STH 21 OVER LUNCH CREEK

COUNTY: WAUSHARA | TOWN: RICHFORD

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EJV	SEW	EJV	SEW

LAYOUT

SHEET 1 OF 5

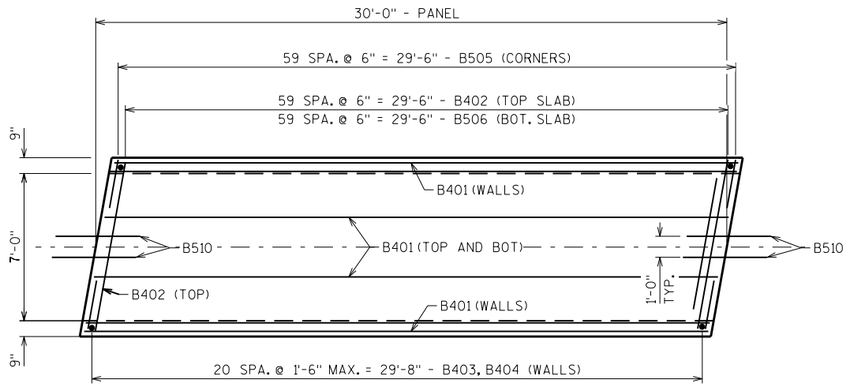
373

I.D. 6170-00-00C DATE: AUG. 2022

SCALE = 7.00

STATE PROJECT NUMBER

6170-00-70



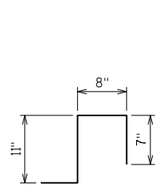
PLAN VIEW OF PANELS

PANEL 1 SHOWN, PANEL 2 AND 3 SIMILAR
APRON AND HEADER NOT SHOWN FOR CLARITY

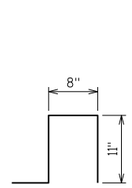
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

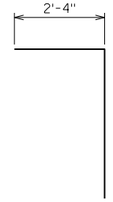
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B401		108	29'-8"			TOP & BOT. SLAB & WALLS - LONGIT.
B402		180	8'-2"			TOP SLAB - HORIZ. - TRANS.
B403		126	7'-0"			WALLS - VERT.
B404		126	2'-2"			WALLS - DOWELS - VERT.
B505		720	7'-4"	X		CORNERS
B506		180	8'-2"			BOTTOM - TRANS.
B407		4	8'-2"			HEADER - HORIZ.
B308		12	2'-11"	X		INLET HEADER - VERT.
B309		12	3'-3"	X		OUTLET HEADER - VERT.
B510		78	4'-0"			VERT. CONST. JOINT & APRON CONNECTION



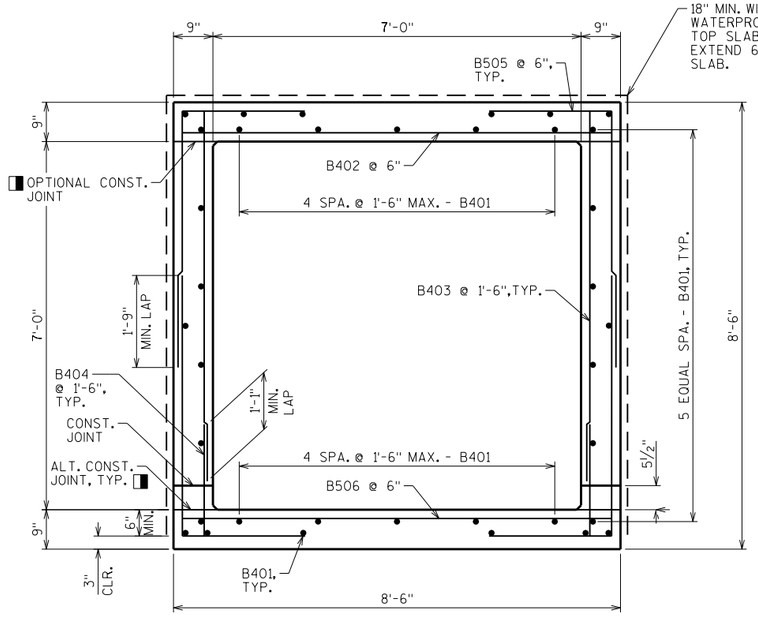
B308



B309

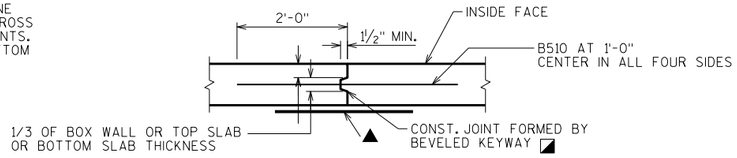


B505



SECTION THRU BOX

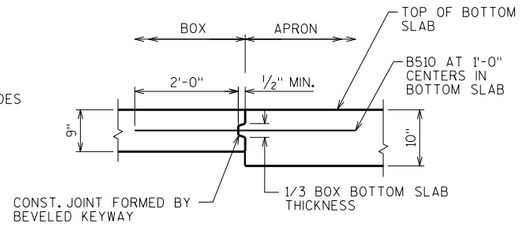
ALL LONGITUDINAL BARS NOT LABELED ARE B401 AS SHOWN.
◨ OMIT 1" FILLET IF OPTIONAL CONSTRUCTION JOINT IS USED.



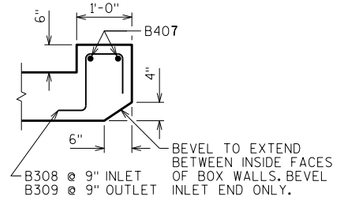
VERTICAL CONSTRUCTION JOINT

◪ IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.

▲ 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING. SEAL JOINTS UP THE WALLS AND ACROSS THE TOP SLAB.



APRON CONNECTION DETAIL



SECTION THRU HEADER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-69-18

DRAWN BY EJV | PLANS CK'D. SEW

BOX DETAILS

SHEET 2

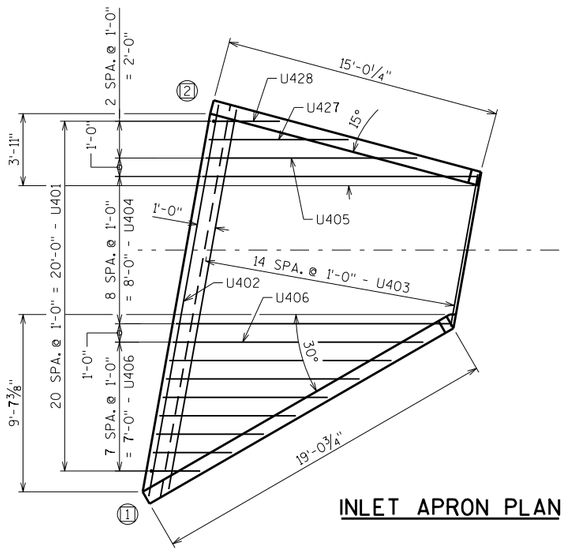
374

SCALE = 3.50

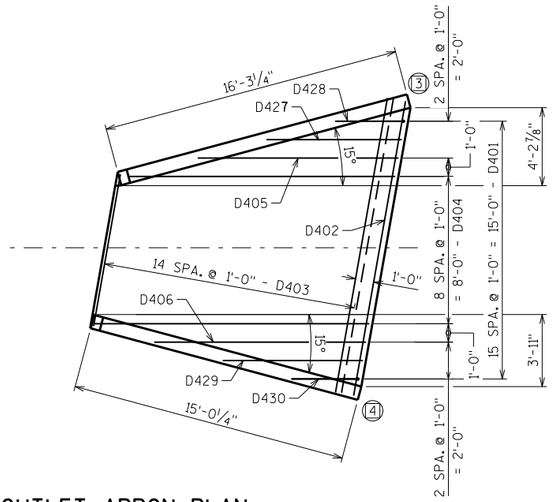
STATE PROJECT NUMBER

6170-00-70

(1) (2) (3) (4) INDICATES WING NUMBER

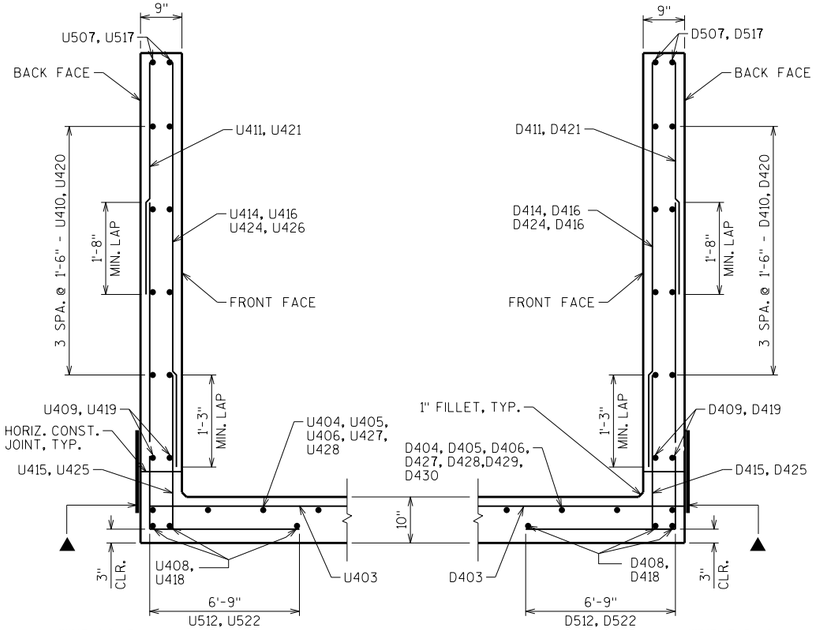


INLET APRON PLAN

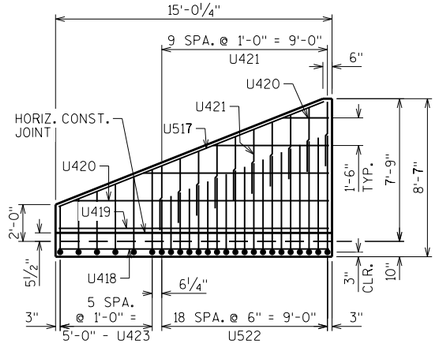


OUTLET APRON PLAN

▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. PLACE ALONG HORIZ. CONST. JOINT FOR ENTIRE LENGTH OF WING.

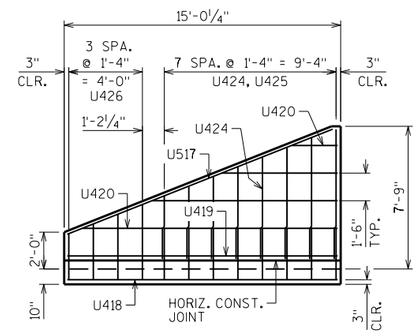


SECTION THRU WINGS



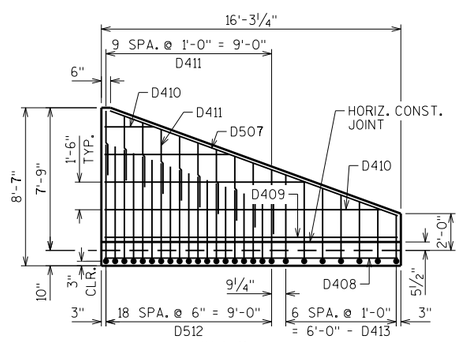
WING 2

SHOWING B.F. OF REINFORCEMENT



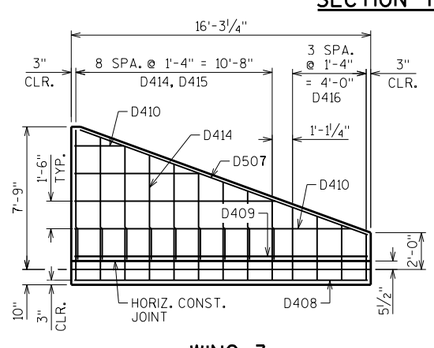
WING 2

SHOWING F.F. OF REINFORCEMENT



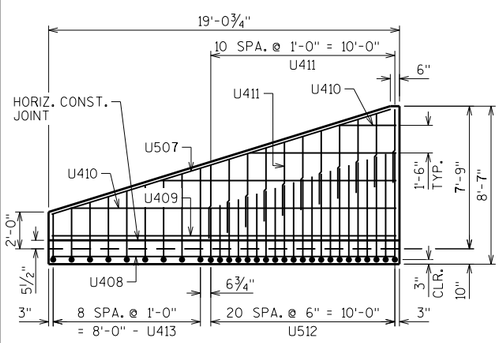
WING 3

SHOWING B.F. OF REINFORCEMENT



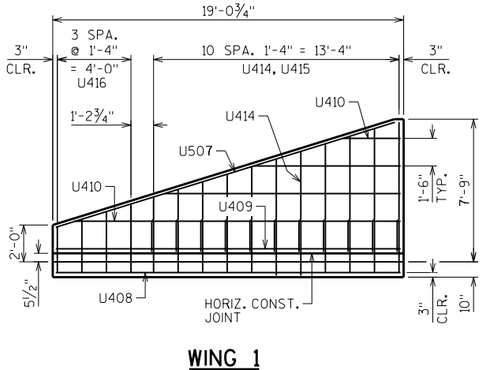
WING 3

SHOWING F.F. OF REINFORCEMENT



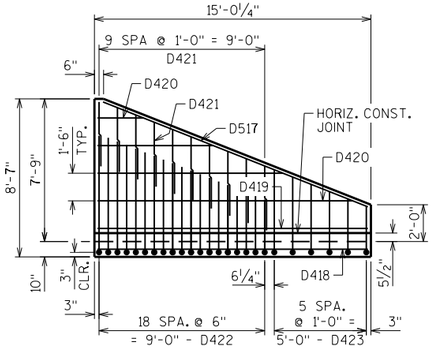
WING 1

SHOWING B.F. OF REINFORCEMENT



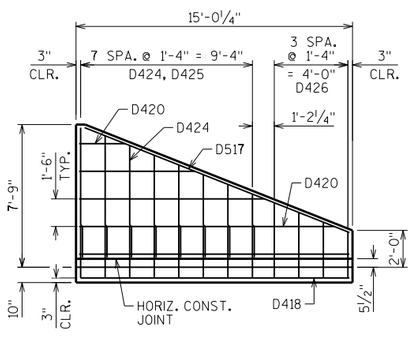
WING 1

SHOWING F.F. OF REINFORCEMENT



WING 4

SHOWING B.F. OF REINFORCEMENT



WING 4

SHOWING F.F. OF REINFORCEMENT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-69-18

DRAWN BY EJV | PLANS CK'D. SEW

APRON DETAILS

SHEET 3

375

SCALE = 4.00

8

8

STATE PROJECT NUMBER

6170-00-70

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

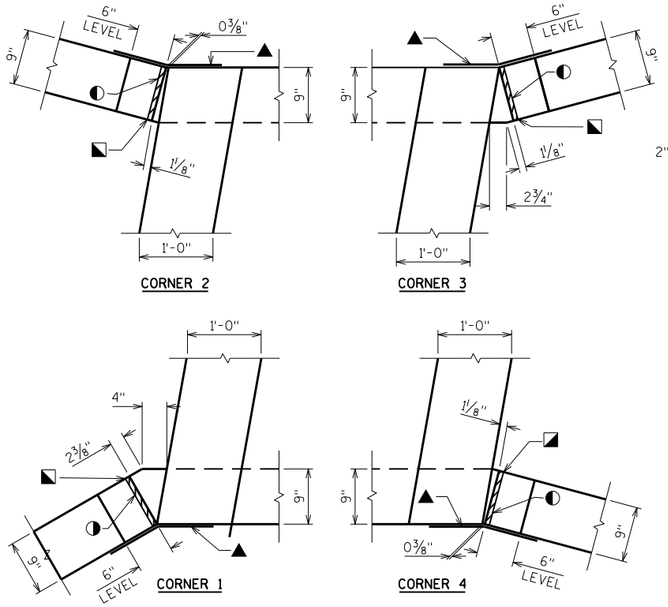
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
U401		21	3'-6"	X		INLET APRON - CUT OFF WALL - VERT.
U402		4	21'-7"			INLET APRON - CUT OFF WALL - HORIZ.
U403		15	14'-9"		⚠	INLET APRON - TRANS. - HORIZ.
U404		9	14'-11"			INLET APRON - LONGIT. - HORIZ.
U405		1	11'-6"			INLET APRON - LONGIT. - HORIZ.
U406		8	8'-3"		⚠	INLET APRON - LONGIT. - HORIZ.
U507	X	2	19'-3"			WING 1 - HORIZ. - TOP BOTH FACES
U408	X	3	18'-8"			WING 1 - HORIZ. - BOTTOM - APRON SLAB
U409	X	2	18'-8"			WING 1 - HORIZ. - BOTTOM - BOTH FACES
U410	X	8	10'-6"		⚠	WING 1 - HORIZ. - BOTH FACES
U411	X	11	4'-0"			WING 1 - VERT. - BACK FACE
U512	X	21	11'-2"	X	⚠	WING 1 - VERT. - BACK FACE
U413	X	9	10'-5"	X	⚠	WING 1 - VERT. - BACK FACE
U414	X	11	5'-0"		⚠	WING 1 - VERT. - FRONT FACE
U415	X	11	2'-10"			WING 1 - VERT. - FRONT FACE
U416	X	4	3'-2"		⚠	WING 1 - VERT. - FRONT FACE
U517	X	2	15'-6"			WING 2 - HORIZ. - TOP BOTH FACES
U418	X	3	14'-8"			WING 2 - HORIZ. - BOTTOM - APRON SLAB
U419	X	2	14'-8"			WING 2 - HORIZ. - BOTTOM - BOTH FACES
U420	X	8	8'-4"		⚠	WING 2 - HORIZ. - BOTH FACES
U421	X	10	3'-6"			WING 2 - VERT. - BACK FACE
U522	X	19	11'-5"	X	⚠	WING 2 - VERT. - BACK FACE
U423	X	6	10'-2"	X	⚠	WING 2 - VERT. - BACK FACE
U424	X	8	5'-3"		⚠	WING 2 - VERT. - FRONT FACE
U425	X	8	2'-10"			WING 2 - VERT. - FRONT FACE
U426	X	4	3'-4"		⚠	WING 2 - VERT. - FRONT FACE
U427		1	7'-7"			INLET APRON - LONGIT. - HORIZ.
U428		1	3'-8"			INLET APRON - LONGIT. - HORIZ.
D401		16	5'-6"	X		OUTLET APRON - CUT OFF WALL - VERT.
D402		6	16'-3"			OUTLET APRON - CUT OFF WALL - HORIZ.
D403		15	12'-3"		⚠	OUTLET APRON - TRANS. - HORIZ.
D404		9	15'-0"			OUTLET APRON - LONGIT. - HORIZ.
D405		1	11'-9"			OUTLET APRON - LONGIT. - HORIZ.
D406		1	11'-6"			OUTLET APRON - LONGIT. - HORIZ.
D507	X	2	16'-8"			WING 3 - HORIZ. - TOP BOTH FACES
D408	X	3	15'-11"			WING 3 - HORIZ. - BOTTOM - APRON SLAB
D409	X	2	15'-11"			WING 3 - HORIZ. - BOTTOM - BOTH FACES
D410	X	8	8'-10"		⚠	WING 3 - HORIZ. - BOTH FACES
D411	X	9	3'-6"			WING 3 - VERT. - BACK FACE
D512	X	19	11'-3"	X	⚠	WING 3 - VERT. - BACK FACE
D413	X	7	10'-3"	X	⚠	WING 3 - VERT. - BACK FACE
D414	X	9	6'-3"		⚠	WING 3 - VERT. - FRONT FACE
D415	X	9	2'-10"			WING 3 - VERT. - FRONT FACE
D416	X	4	3'-3"		⚠	WING 3 - VERT. - FRONT FACE
D517	X	2	15'-6"			WING 4 - HORIZ. - TOP BOTH FACES
D418	X	3	14'-8"			WING 4 - HORIZ. - APRON SLAB
D419	X	2	14'-8"			WING 4 - HORIZ. - BOTTOM - BOTH FACES
D420	X	8	8'-4"		⚠	WING 4 - HORIZ. - BOTH FACES
D421	X	10	3'-6"			WING 4 - VERT. - BACK FACE
D522	X	19	11'-4"	X	⚠	WING 4 - VERT. - BACK FACE
D423	X	6	10'-3"	X	⚠	WING 4 - VERT. - BACK FACE
D424	X	8	6'-3"		⚠	WING 4 - VERT. - FRONT FACE
D425	X	8	2'-10"			WING 4 - VERT. - FRONT FACE
D426	X	4	3'-4"		⚠	WING 4 - VERT. - FRONT FACE
D427		1	8'-3"			OUTLET APRON - LONGIT. - HORIZ.
D428		1	4'-8"			OUTLET APRON - LONGIT. - HORIZ.
D429		1	7'-7"			OUTLET APRON - LONGIT. - HORIZ.
D430		1	3'-8"			OUTLET APRON - LONGIT. - HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
U403	1 SERIES OF 15	8'-5" TO 21'-1"
U406	1 SERIES OF 8	2'-9" TO 13'-8"
U410	2 SERIES OF 4	3'-2" TO 17'-9"
U512	1 SERIES OF 21	9'-7" TO 12'-8"
U413	1 SERIES OF 9	9'-2" TO 11'-8"
U414	1 SERIES OF 11	3'-0" TO 7'-0"
U416	1 SERIES OF 4	2'-6" TO 3'-9"
U420	2 SERIES OF 4	2'-6" TO 13'-10"
U522	1 SERIES OF 19	9'-7" TO 13'-2"
U423	1 SERIES OF 6	9'-2" TO 11'-2"
U424	1 SERIES OF 8	3'-5" TO 7'-1"
U426	1 SERIES OF 4	2'-6" TO 4'-1"
D403	1 SERIES OF 15	8'-5" TO 16'-0"
D410	2 SERIES OF 4	2'-8" TO 15'-0"
D512	1 SERIES OF 19	9'-7" TO 12'-11"
D413	1 SERIES OF 9	9'-2" TO 11'-4"
D414	1 SERIES OF 9	3'-3" TO 7'-1"
D416	1 SERIES OF 4	2'-6" TO 4'-0"
D420	2 SERIES OF 4	2'-6" TO 13'-10"
D522	1 SERIES OF 19	9'-7" TO 13'-2"
D423	1 SERIES OF 6	9'-2" TO 11'-2"
D424	1 SERIES OF 8	3'-5" TO 7'-1"
D426	1 SERIES OF 4	2'-6" TO 4'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.

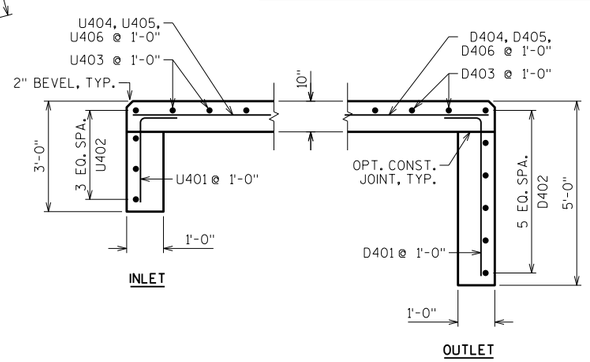


CORNER DETAILS

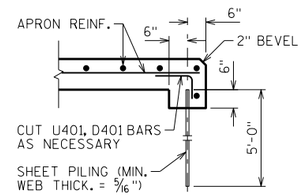
▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◑ 3/4" FILLER TYPICAL. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◪ 1" BEVEL TYPICAL.

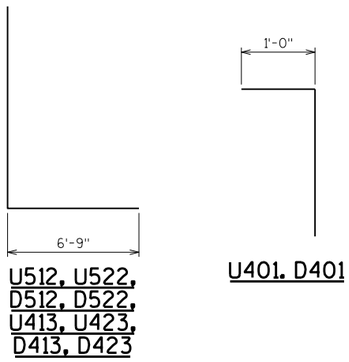


CUT-OFF WALLS



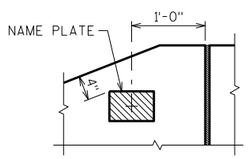
ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

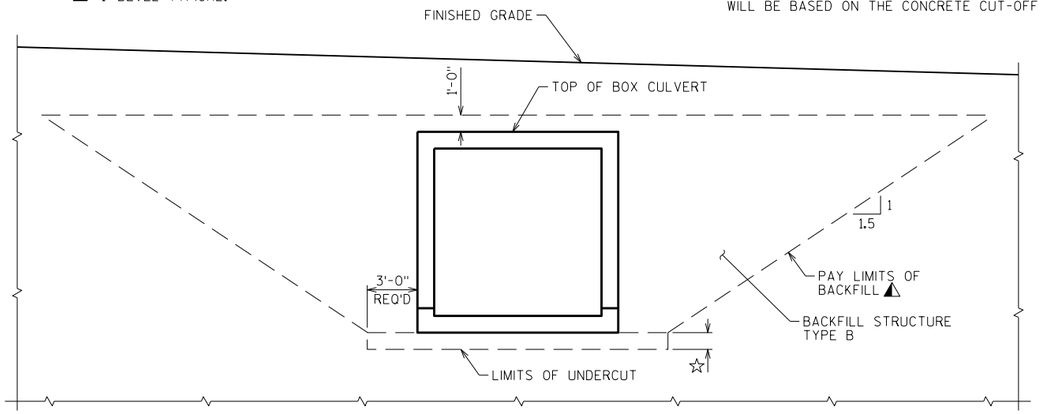


U512, U522, D512, D522, U413, U423, D413, D423

U401, D401



NAME PLATE LOCATION
WING 4



TYPICAL SECTION THRU BOX CULVERT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 1'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTE MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-69-18

DRAWN BY EJV | PLANS CK'D. SEW

DETAILS

SHEET 4

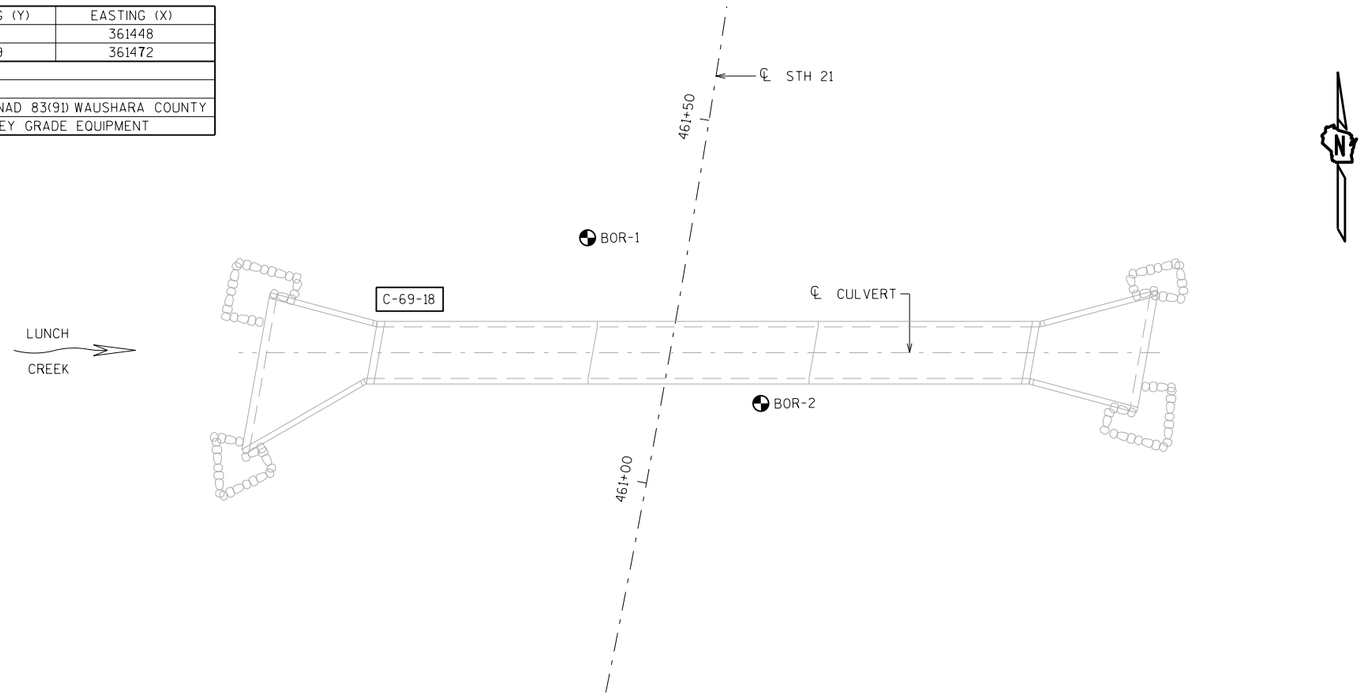
376

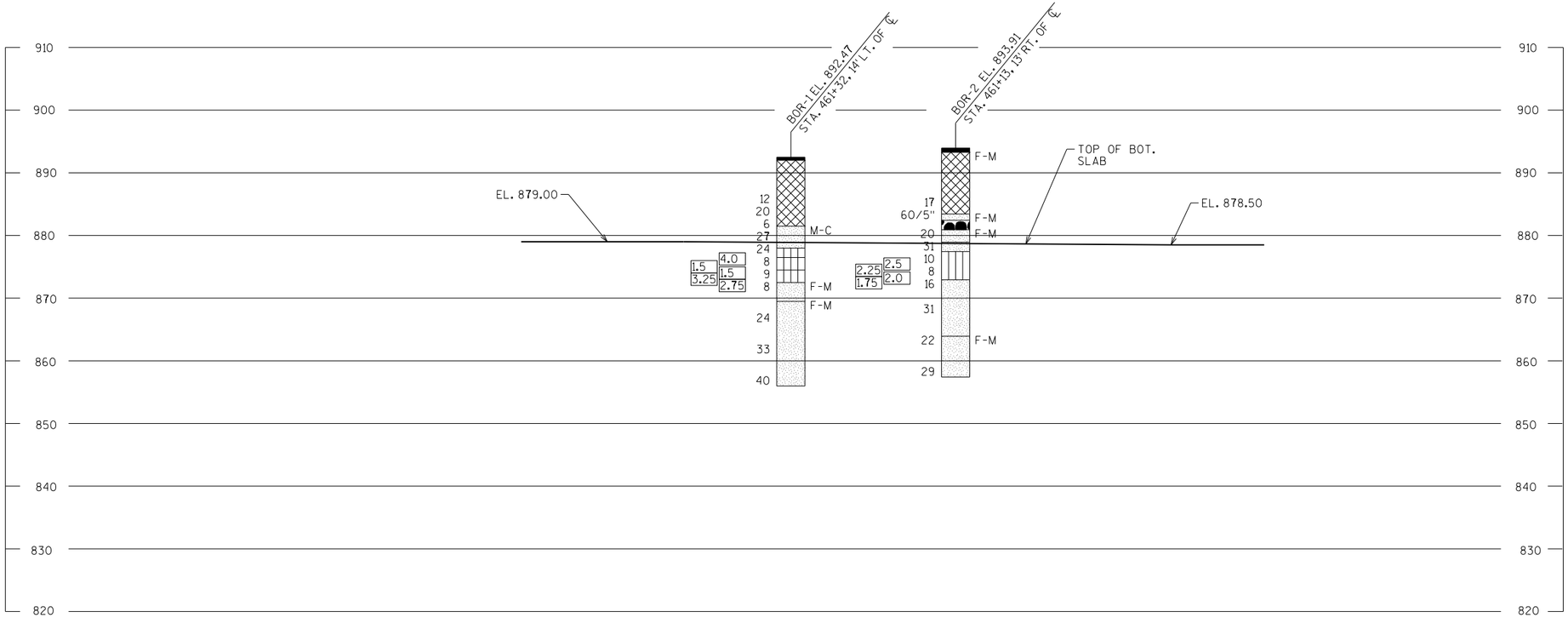
SCALE = 1.00

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	7/28/2021	125331	361448
2	7/28/2021	125309	361472
BORINGS COMPLETED BY: WISDOT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) WAUSHARA COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





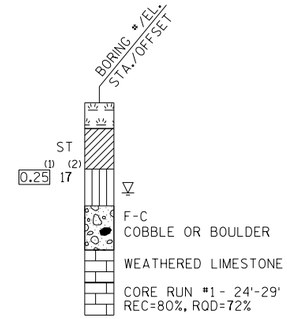
STATE PROJECT NUMBER

6170-00-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▼ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-69-18

DRAWN BY EJV | PLANS CK'D. SEW

SUBSURFACE EXPLORATION

SHEET 5

377

SCALE = 10.00

8

8

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	04+93	0.00	15.90	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	05+00	7.00	15.16	0.00	0.00	0.00	4	0	0	0	4	0	0	0	4
6170-00-70	06+00	100.00	20.18	0.00	16.12	0.00	65	0	30	0	69	38	0	0	32
6170-00-70	07+00	100.00	11.08	0.00	16.60	0.00	58	0	61	0	127	114	0	0	13
6170-00-70	08+00	100.00	12.78	0.00	28.20	0.00	44	0	83	0	171	218	0	0	-47
6170-00-70	09+00	100.00	22.88	0.00	13.75	0.00	66	0	78	0	237	315	0	0	-78
6170-00-70	10+00	100.00	0.00	0.00	0.00	0.00	42	0	25	0	279	346	0	0	-67
6170-00-70	11+00	100.00	9.45	0.00	11.96	0.00	18	0	22	0	297	374	0	0	-77
6170-00-70	12+00	100.00	18.76	0.00	9.17	0.00	52	0	39	0	349	423	0	0	-74
6170-00-70	13+00	100.00	7.73	0.00	0.00	0.00	49	0	17	0	398	444	0	0	-46
6170-00-70	14+00	100.00	10.27	0.00	5.50	0.00	33	0	10	0	431	456	0	0	-25
6170-00-70	15+00	100.00	8.77	0.00	6.01	0.00	35	0	21	0	466	483	0	0	-17
6170-00-70	16+00	100.00	8.37	0.00	10.30	0.00	32	0	30	0	498	520	0	0	-22
6170-00-70	17+00	100.00	8.06	0.00	28.38	0.00	30	0	72	0	528	610	0	0	-82
6170-00-70	18+00	100.00	6.76	0.00	5.86	0.00	27	0	63	0	555	689	0	0	-134
6170-00-70	19+00	100.00	19.48	0.00	6.77	0.00	49	0	23	0	604	718	0	0	-114
6170-00-70	20+00	100.00	0.00	0.00	0.00	0.00	36	0	13	0	640	734	0	0	-94
6170-00-70	21+00	100.00	14.09	0.00	2.52	0.00	26	0	5	0	666	740	0	0	-74
6170-00-70	22+00	100.00	16.19	0.00	1.96	0.00	56	0	8	0	722	750	0	0	-28
6170-00-70	23+00	100.00	26.13	0.00	3.22	0.00	78	0	10	0	800	763	0	0	38
6170-00-70	24+00	100.00	24.83	0.00	2.69	0.00	94	0	11	0	894	776	0	0	118
6170-00-70	25+00	100.00	13.22	0.00	5.15	0.00	70	0	15	0	964	795	0	0	169
6170-00-70	26+00	100.00	10.02	0.00	10.14	0.00	43	0	28	0	1,007	830	0	0	177
6170-00-70	27+00	100.00	10.01	0.00	11.18	0.00	37	0	39	0	1,044	879	0	0	165
6170-00-70	28+00	100.00	15.70	0.00	6.72	0.00	48	0	33	0	1,092	920	0	0	172
6170-00-70	29+00	100.00	24.62	0.00	10.77	0.00	75	0	32	0	1,167	960	0	0	207
6170-00-70	30+00	100.00	30.27	0.00	6.98	0.00	102	0	33	0	1,269	1,001	0	0	268
6170-00-70	31+00	100.00	9.67	0.00	7.19	0.00	74	0	26	0	1,343	1,034	0	0	309
6170-00-70	32+00	100.00	8.33	0.00	8.57	0.00	33	0	29	0	1,376	1,070	0	0	306
6170-00-70	33+00	100.00	10.22	0.00	7.32	0.00	34	0	29	0	1,410	1,106	0	0	304
6170-00-70	34+00	100.00	9.93	0.00	19.26	0.00	37	0	49	0	1,447	1,168	0	0	280
6170-00-70	35+00	100.00	12.95	0.00	28.47	0.00	42	0	88	0	1,489	1,278	0	0	212
6170-00-70	36+00	100.00	25.01	0.00	27.29	0.00	70	0	103	0	1,559	1,406	0	0	153
6170-00-70	37+00	100.00	34.09	0.00	0.00	0.00	109	0	51	0	1,668	1,470	0	0	198
6170-00-70	38+00	100.00	9.96	0.00	1.43	0.00	82	0	3	0	1,750	1,474	0	0	276
6170-00-70	39+00	100.00	11.74	0.00	9.98	0.00	40	0	21	0	1,790	1,500	0	0	290
6170-00-70	40+00	100.00	17.42	0.00	0.00	0.00	54	0	18	0	1,844	1,523	0	0	322
6170-00-70	41+00	100.00	24.91	0.00	0.00	0.00	78	0	0	0	1,922	1,523	0	0	400
6170-00-70	42+00	100.00	19.88	0.00	0.00	0.00	83	0	0	0	2,005	1,523	0	0	483
6170-00-70	43+00	100.00	13.72	0.00	3.17	0.00	62	0	6	0	2,067	1,530	0	0	537
6170-00-70	44+00	100.00	5.93	0.00	14.11	0.00	36	0	32	0	2,103	1,570	0	0	533
6170-00-70	45+00	100.00	7.04	0.00	11.60	0.00	24	0	48	0	2,127	1,630	0	0	497
6170-00-70	46+00	100.00	7.66	0.00	10.56	0.00	27	0	41	0	2,154	1,681	0	0	473
6170-00-70	47+00	100.00	7.24	0.00	11.45	0.00	28	0	41	0	2,182	1,733	0	0	450
6170-00-70	48+00	100.00	7.53	0.00	11.43	0.00	27	0	42	0	2,209	1,785	0	0	424
6170-00-70	49+00	100.00	7.63	0.00	14.12	0.00	28	0	47	0	2,237	1,844	0	0	393
6170-00-70	50+00	100.00	7.27	0.00	13.84	0.00	28	0	52	0	2,265	1,909	0	0	356
6170-00-70	51+00	100.00	11.20	0.00	2.70	0.00	34	0	31	0	2,299	1,948	0	0	352
6170-00-70	52+00	100.00	7.95	0.00	9.40	0.00	35	0	22	0	2,334	1,975	0	0	359
6170-00-70	53+00	100.00	12.74	0.00	6.80	0.00	38	0	30	0	2,372	2,013	0	0	360

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	54+00	100.00	18.69	0.00	6.04	0.00	58	0	24	0	2,430	2,043	0	0	388
6170-00-70	55+00	100.00	9.66	0.00	12.05	0.00	52	0	33	0	2,482	2,084	0	0	398
6170-00-70	56+00	100.00	6.74	0.00	18.73	0.00	30	0	57	0	2,512	2,155	0	0	357
6170-00-70	57+00	100.00	7.79	0.00	15.88	0.00	27	0	64	0	2,539	2,235	0	0	304
6170-00-70	58+00	100.00	4.13	0.00	5.41	0.00	22	0	39	0	2,561	2,284	0	0	277
6170-00-70	59+00	100.00	8.37	0.00	20.40	0.00	23	0	48	0	2,584	2,344	0	0	240
6170-00-70	60+00	100.00	6.44	0.00	44.80	0.00	27	0	121	0	2,611	2,495	0	0	116
6170-00-70	61+00	100.00	8.64	0.00	24.58	0.00	28	0	128	0	2,639	2,655	0	0	-16
6170-00-70	62+00	100.00	10.44	0.00	26.86	0.00	35	0	95	0	2,674	2,774	0	0	-100
6170-00-70	63+00	100.00	6.80	0.00	46.28	0.00	32	0	135	0	2,706	2,943	0	0	-237
6170-00-70	64+00	100.00	7.09	0.00	26.26	0.00	26	0	134	0	2,732	3,110	0	0	-378
6170-00-70	65+00	100.00	7.63	0.00	12.23	0.00	27	0	71	0	2,759	3,199	0	0	-440
6170-00-70	66+00	100.00	8.21	0.00	9.03	0.00	29	0	39	0	2,788	3,248	0	0	-460
6170-00-70	67+00	100.00	14.59	0.00	10.16	0.00	42	0	36	0	2,830	3,293	0	0	-463
6170-00-70	68+00	100.00	11.08	0.00	2.54	0.00	48	0	24	0	2,878	3,323	0	0	-445
6170-00-70	69+00	100.00	9.33	0.00	4.72	0.00	38	0	13	0	2,916	3,339	0	0	-423
6170-00-70	70+00	100.00	7.81	0.00	7.81	0.00	32	0	23	0	2,948	3,368	0	0	-420
6170-00-70	71+00	100.00	8.90	0.00	9.53	0.00	31	0	32	0	2,979	3,408	0	0	-429
6170-00-70	72+00	100.00	8.76	0.00	10.01	0.00	33	0	36	0	3,012	3,453	0	0	-441
6170-00-70	73+00	100.00	7.98	0.00	20.86	0.00	31	0	57	0	3,043	3,524	0	0	-481
6170-00-70	74+00	100.00	7.14	0.00	31.65	0.00	28	0	97	0	3,071	3,645	0	0	-574
6170-00-70	75+00	100.00	7.50	0.00	34.93	0.00	27	0	123	0	3,098	3,799	0	0	-701
6170-00-70	76+00	100.00	7.83	0.00	32.51	0.00	28	0	125	0	3,126	3,955	0	0	-829
6170-00-70	77+00	100.00	9.05	0.00	8.66	0.00	31	0	76	0	3,157	4,050	0	0	-893
6170-00-70	78+00	100.00	7.48	0.00	18.57	0.00	31	0	50	0	3,188	4,113	0	0	-925
6170-00-70	79+00	100.00	7.43	0.00	9.72	0.00	28	0	52	0	3,216	4,178	0	0	-962
6170-00-70	80+00	100.00	6.96	0.00	9.84	0.00	27	0	36	0	3,243	4,223	0	0	-980
6170-00-70	81+00	100.00	6.00	0.00	11.51	0.00	24	0	40	0	3,267	4,273	0	0	-1,006
6170-00-70	82+00	100.00	8.46	0.00	7.45	0.00	27	0	35	0	3,294	4,316	0	0	-1,022
6170-00-70	83+00	100.00	8.21	0.00	6.44	0.00	31	0	26	0	3,325	4,349	0	0	-1,024
6170-00-70	84+00	100.00	6.96	0.00	6.87	0.00	28	0	25	0	3,353	4,380	0	0	-1,027
6170-00-70	85+00	100.00	6.62	0.00	11.45	0.00	25	0	34	0	3,378	4,423	0	0	-1,045
6170-00-70	86+00	100.00	6.90	0.00	20.02	0.00	25	0	58	0	3,403	4,495	0	0	-1,092
6170-00-70	87+00	100.00	6.92	0.00	48.40	0.00	26	0	127	0	3,429	4,654	0	0	-1,225
6170-00-70	88+00	100.00	7.45	0.00	156.99	0.00	27	0	380	0	3,456	5,129	0	0	-1,673
6170-00-70	89+00	100.00	7.42	0.00	110.73	0.00	28	0	496	0	3,484	5,749	0	0	-2,265
6170-00-70	90+00	100.00	7.94	0.00	50.77	0.00	28	0	299	0	3,512	6,123	0	0	-2,611
6170-00-70	91+00	100.00	7.42	0.00	11.43	0.00	28	0	115	0	3,540	6,266	0	0	-2,726
6170-00-70	92+00	100.00	7.60	0.00	7.32	0.00	28	0	35	0	3,568	6,310	0	0	-2,742
6170-00-70	93+00	100.00	7.94	0.00	6.87	0.00	29	0	26	0	3,597	6,343	0	0	-2,746
6170-00-70	94+00	100.00	7.22	0.00	7.58	0.00	28	0	27	0	3,625	6,376	0	0	-2,751
6170-00-70	95+00	100.00	6.42	0.00	13.96	0.00	25	0	40	0	3,650	6,426	0	0	-2,776
6170-00-70	96+00	100.00	6.47	0.00	14.37	0.00	24	0	52	0	3,674	6,491	0	0	-2,817
6170-00-70	97+00	100.00	8.07	0.00	10.28	0.00	27	0	46	0	3,701	6,549	0	0	-2,848
6170-00-70	98+00	100.00	7.34	0.00	10.91	0.00	29	0	39	0	3,730	6,598	0	0	-2,868
6170-00-70	99+00	100.00	10.19	0.00	5.42	0.00	32	0	30	0	3,762	6,635	0	0	-2,873
6170-00-70	100+00	100.00	5.43	0.00	70.99	0.00	29	0	141	0	3,791	6,811	0	0	-3,020
6170-00-70	101+00	100.00	6.07	0.00	71.17	0.00	21	0	263	0	3,812	7,140	0	0	-3,328
6170-00-70	102+00	100.00	7.78	0.00	10.87	0.00	26	0	152	0	3,838	7,330	0	0	-3,492
6170-00-70	103+00	100.00	8.40	0.00	17.38	0.00	30	0	52	0	3,868	7,395	0	0	-3,527

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	104+00	100.00	6.31	0.00	16.59	0.00	27	0	63	0	3,895	7,474	0	0	-3,579
6170-00-70	105+00	100.00	5.85	0.00	118.68	0.00	23	0	251	0	3,918	7,788	0	0	-3,870
6170-00-70	106+00	100.00	7.24	0.00	82.27	0.00	24	0	372	0	3,942	8,253	0	0	-4,311
6170-00-70	107+00	100.00	8.00	0.00	11.65	0.00	28	0	174	0	3,970	8,470	0	0	-4,500
6170-00-70	108+00	100.00	9.43	0.00	19.65	0.00	32	0	58	0	4,002	8,543	0	0	-4,541
6170-00-70	109+00	100.00	4.41	0.00	2.90	0.00	26	0	42	0	4,028	8,595	0	0	-4,567
6170-00-70	110+00	100.00	7.36	0.00	11.59	0.00	22	0	27	0	4,050	8,629	0	0	-4,579
6170-00-70	111+00	100.00	6.87	0.00	12.23	0.00	26	0	44	0	4,076	8,684	0	0	-4,608
6170-00-70	112+00	100.00	6.47	0.00	25.97	0.00	25	0	71	0	4,101	8,773	0	0	-4,672
6170-00-70	113+00	100.00	5.96	0.00	55.40	0.00	23	0	151	0	4,124	8,961	0	0	-4,837
6170-00-70	114+00	100.00	7.39	0.00	34.14	0.00	25	0	166	0	4,149	9,169	0	0	-5,020
6170-00-70	115+00	100.00	6.59	0.00	37.67	0.00	26	0	133	0	4,175	9,335	0	0	-5,160
6170-00-70	116+00	100.00	6.68	0.00	38.84	0.00	25	0	142	0	4,200	9,513	0	0	-5,313
6170-00-70	117+00	100.00	6.85	0.00	29.32	0.00	25	0	126	0	4,225	9,670	0	0	-5,445
6170-00-70	118+00	100.00	7.37	0.00	28.40	0.00	26	0	107	0	4,251	9,804	0	0	-5,553
6170-00-70	119+00	100.00	6.99	0.00	21.91	0.00	27	0	93	0	4,278	9,920	0	0	-5,642
6170-00-70	120+00	100.00	17.81	0.00	11.09	0.00	46	0	61	0	4,324	9,996	0	0	-5,672
6170-00-70	121+00	100.00	36.44	0.00	8.67	0.00	100	0	37	0	4,424	10,043	0	0	-5,619
6170-00-70	122+00	100.00	26.92	0.00	10.61	0.00	117	0	36	0	4,541	10,088	0	0	-5,547
6170-00-70	123+00	100.00	16.26	0.00	10.67	0.00	80	0	39	0	4,621	10,136	0	0	-5,515
6170-00-70	124+00	100.00	11.31	0.00	17.20	0.00	51	0	52	0	4,672	10,201	0	0	-5,529
6170-00-70	125+00	100.00	8.81	0.00	17.43	0.00	37	0	64	0	4,709	10,281	0	0	-5,572
6170-00-70	126+00	100.00	7.88	0.00	23.25	0.00	31	0	75	0	4,740	10,375	0	0	-5,635
6170-00-70	127+00	100.00	3.89	0.00	52.43	0.00	22	0	140	0	4,762	10,550	0	0	-5,788
6170-00-70	128+00	100.00	5.71	0.00	24.51	0.00	18	0	142	0	4,780	10,728	0	0	-5,948
6170-00-70	129+00	100.00	7.37	0.00	18.62	0.00	24	0	80	0	4,804	10,828	0	0	-6,024
6170-00-70	130+00	100.00	7.32	0.00	15.94	0.00	27	0	64	0	4,831	10,908	0	0	-6,077
6170-00-70	131+00	100.00	14.21	0.00	20.02	0.00	40	0	67	0	4,871	10,991	0	0	-6,120
6170-00-70	132+00	100.00	14.11	0.00	13.31	0.00	52	0	62	0	4,923	11,069	0	0	-6,146
6170-00-70	133+00	100.00	29.87	0.00	11.87	0.00	81	0	47	0	5,004	11,128	0	0	-6,124
6170-00-70	134+00	100.00	34.78	0.00	12.68	0.00	120	0	45	0	5,124	11,184	0	0	-6,060
6170-00-70	135+00	100.00	6.33	0.00	13.51	0.00	76	0	49	0	5,200	11,245	0	0	-6,045
6170-00-70	136+00	100.00	12.73	0.00	3.25	0.00	35	0	31	0	5,235	11,284	0	0	-6,049
6170-00-70	137+00	100.00	9.47	0.00	9.02	0.00	41	0	23	0	5,276	11,313	0	0	-6,037
6170-00-70	138+00	100.00	24.85	0.00	6.52	0.00	64	0	29	0	5,340	11,349	0	0	-6,009
6170-00-70	139+00	100.00	24.61	0.00	9.04	0.00	92	0	29	0	5,432	11,385	0	0	-5,953
6170-00-70	140+00	100.00	7.91	0.00	9.85	0.00	60	0	35	0	5,492	11,429	0	0	-5,937
6170-00-70	141+00	100.00	6.52	0.00	443.36	0.00	27	0	839	0	5,519	12,478	0	0	-6,959
6170-00-70	142+00	100.00	6.45	0.00	78.64	0.00	24	0	967	0	5,543	13,686	0	0	-8,143
6170-00-70	143+00	100.00	7.61	0.00	10.42	0.00	26	0	165	0	5,569	13,893	0	0	-8,324
6170-00-70	144+00	100.00	6.74	0.00	13.04	0.00	27	0	43	0	5,596	13,946	0	0	-8,350
6170-00-70	145+00	100.00	6.22	0.00	13.65	0.00	24	0	49	0	5,620	14,008	0	0	-8,388
6170-00-70	146+00	100.00	7.11	0.00	15.41	0.00	25	0	54	0	5,645	14,075	0	0	-8,430
6170-00-70	147+00	100.00	6.58	0.00	104.58	0.00	25	0	222	0	5,670	14,353	0	0	-8,683
6170-00-70	148+00	100.00	4.92	0.00	384.84	0.00	21	0	906	0	5,691	15,485	0	0	-9,794
6170-00-70	149+00	100.00	11.30	0.00	153.78	0.00	30	0	997	0	5,721	16,731	0	0	-11,010
6170-00-70	150+00	100.00	5.36	0.00	216.62	0.00	31	0	686	0	5,752	17,589	0	0	-11,837
6170-00-70	151+00	100.00	8.10	0.00	11.27	0.00	25	0	422	0	5,777	18,116	0	0	-12,339
6170-00-70	152+00	100.00	7.37	0.00	5.83	0.00	29	0	32	0	5,806	18,156	0	0	-12,350
6170-00-70	153+00	100.00	11.06	0.00	6.36	0.00	34	0	23	0	5,840	18,185	0	0	-12,345

NOTES:	
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PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	154+00	100.00	9.63	0.00	7.18	0.00	38	0	25	0	5,878	18,216	0	0	-12,338
6170-00-70	155+00	100.00	7.20	0.00	8.85	0.00	31	0	30	0	5,909	18,254	0	0	-12,345
6170-00-70	156+00	100.00	6.51	0.00	10.17	0.00	25	0	35	0	5,934	18,298	0	0	-12,364
6170-00-70	157+00	100.00	6.67	0.00	8.81	0.00	24	0	35	0	5,958	18,341	0	0	-12,383
6170-00-70	158+00	100.00	8.60	0.00	10.78	0.00	28	0	36	0	5,986	18,386	0	0	-12,400
6170-00-70	159+00	100.00	10.63	0.00	14.91	0.00	36	0	48	0	6,022	18,446	0	0	-12,424
6170-00-70	160+00	100.00	10.78	0.00	13.91	0.00	40	0	53	0	6,062	18,513	0	0	-12,451
6170-00-70	161+00	100.00	7.73	0.00	20.55	0.00	34	0	64	0	6,096	18,593	0	0	-12,497
6170-00-70	162+00	100.00	6.88	0.00	49.60	0.00	27	0	130	0	6,123	18,755	0	0	-12,632
6170-00-70	163+00	100.00	7.50	0.00	43.91	0.00	27	0	173	0	6,150	18,971	0	0	-12,821
6170-00-70	164+00	100.00	6.96	0.00	23.08	0.00	27	0	124	0	6,177	19,126	0	0	-12,949
6170-00-70	165+00	100.00	6.75	0.00	12.54	0.00	25	0	66	0	6,202	19,209	0	0	-13,007
6170-00-70	166+00	100.00	13.66	0.00	1.98	0.00	38	0	27	0	6,240	19,243	0	0	-13,003
6170-00-70	167+00	100.00	8.04	0.00	9.34	0.00	40	0	21	0	6,280	19,269	0	0	-12,989
6170-00-70	168+00	100.00	7.00	0.00	5.87	0.00	28	0	28	0	6,308	19,304	0	0	-12,996
6170-00-70	169+00	100.00	6.92	0.00	5.96	0.00	26	0	22	0	6,334	19,331	0	0	-12,997
6170-00-70	170+00	100.00	7.01	0.00	8.07	0.00	26	0	26	0	6,360	19,364	0	0	-13,004
6170-00-70	171+00	100.00	19.50	0.00	12.05	0.00	49	0	37	0	6,409	19,410	0	0	-13,001
6170-00-70	172+00	100.00	19.62	0.00	8.97	0.00	72	0	39	0	6,481	19,459	0	0	-12,978
6170-00-70	173+00	100.00	6.88	0.00	15.23	0.00	49	0	45	0	6,530	19,515	0	0	-12,985
6170-00-70	174+00	100.00	8.32	0.00	12.07	0.00	28	0	51	0	6,558	19,579	0	0	-13,021
6170-00-70	175+00	100.00	5.93	0.00	16.60	0.00	26	0	53	0	6,584	19,645	0	0	-13,061
6170-00-70	176+00	100.00	8.43	0.00	22.08	0.00	27	0	72	0	6,611	19,735	0	0	-13,124
6170-00-70	177+00	100.00	6.90	0.00	43.42	0.00	28	0	121	0	6,639	19,886	0	0	-13,247
6170-00-70	178+00	100.00	6.36	0.00	89.60	0.00	25	0	246	0	6,664	20,194	0	0	-13,530
6170-00-70	179+00	100.00	7.72	0.00	44.05	0.00	26	0	248	0	6,690	20,504	0	0	-13,814
6170-00-70	180+00	100.00	7.70	0.00	30.87	0.00	29	0	139	0	6,719	20,678	0	0	-13,959
6170-00-70	181+00	100.00	13.26	0.00	1.58	0.00	39	0	60	0	6,758	20,753	0	0	-13,995
6170-00-70	182+00	100.00	11.05	0.00	15.47	0.00	45	0	32	0	6,803	20,793	0	0	-13,990
6170-00-70	183+00	100.00	11.75	0.00	22.30	0.00	42	0	70	0	6,845	20,880	0	0	-14,035
6170-00-70	184+00	100.00	25.97	0.00	15.17	0.00	70	0	69	0	6,915	20,966	0	0	-14,051
6170-00-70	185+00	100.00	15.59	0.00	9.90	0.00	77	0	46	0	6,992	21,024	0	0	-14,032
6170-00-70	186+00	100.00	8.07	0.00	19.70	0.00	44	0	55	0	7,036	21,093	0	0	-14,057
6170-00-70	187+00	100.00	6.79	0.00	34.07	0.00	28	0	100	0	7,064	21,218	0	0	-14,154
6170-00-70	188+00	100.00	7.46	0.00	10.17	0.00	26	0	82	0	7,090	21,320	0	0	-14,230
6170-00-70	189+00	100.00	12.72	0.00	6.03	0.00	37	0	30	0	7,127	21,358	0	0	-14,231
6170-00-70	190+00	100.00	13.67	0.00	8.75	0.00	49	0	27	0	7,176	21,391	0	0	-14,215
6170-00-70	191+00	100.00	9.50	0.00	4.30	0.00	43	0	24	0	7,219	21,421	0	0	-14,202
6170-00-70	192+00	100.00	9.00	0.00	11.93	0.00	34	0	30	0	7,253	21,459	0	0	-14,206
6170-00-70	193+00	100.00	7.21	0.00	145.62	0.00	30	0	292	0	7,283	21,824	0	0	-14,541
6170-00-70	194+00	100.00	6.13	0.00	420.86	0.00	25	0	1,049	0	7,308	23,135	0	0	-15,827
6170-00-70	195+00	100.00	6.22	0.00	502.33	0.00	23	0	1,710	0	7,331	25,273	0	0	-17,942
6170-00-70	196+00	100.00	6.42	0.00	510.25	0.00	23	0	1,875	0	7,354	27,616	0	0	-20,262
6170-00-70	197+00	100.00	5.38	0.00	516.86	0.00	22	0	1,902	0	7,376	29,994	0	0	-22,618
6170-00-70	198+00	100.00	7.17	0.00	149.86	0.00	23	0	1,235	0	7,399	31,538	0	0	-24,139
6170-00-70	199+00	100.00	10.73	0.00	9.38	0.00	33	0	295	0	7,432	31,906	0	0	-24,474
6170-00-70	200+00	100.00	8.21	0.00	8.95	0.00	35	0	34	0	7,467	31,949	0	0	-24,482
6170-00-70	201+00	100.00	8.10	0.00	10.17	0.00	30	0	35	0	7,497	31,993	0	0	-24,496
6170-00-70	202+00	100.00	12.81	0.00	6.26	0.00	39	0	30	0	7,536	32,030	0	0	-24,494
6170-00-70	203+00	100.00	8.84	0.00	6.02	0.00	40	0	23	0	7,576	32,059	0	0	-24,483

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	204+00	100.00	9.07	0.00	8.25	0.00	33	0	26	0	7,609	32,091	0	0	-24,482
6170-00-70	205+00	100.00	7.14	0.00	131.77	0.00	30	0	259	0	7,639	32,415	0	0	-24,776
6170-00-70	206+00	100.00	6.87	0.00	187.57	0.00	26	0	591	0	7,665	33,154	0	0	-25,489
6170-00-70	207+00	100.00	7.94	0.00	120.93	0.00	27	0	571	0	7,692	33,868	0	0	-26,176
6170-00-70	208+00	100.00	10.00	0.00	56.81	0.00	33	0	329	0	7,725	34,279	0	0	-26,554
6170-00-70	209+00	100.00	9.34	0.00	15.67	0.00	36	0	134	0	7,761	34,446	0	0	-26,685
6170-00-70	210+00	100.00	10.30	0.00	8.49	0.00	36	0	45	0	7,797	34,503	0	0	-26,706
6170-00-70	211+00	100.00	13.68	0.00	4.35	0.00	44	0	24	0	7,841	34,533	0	0	-26,692
6170-00-70	212+00	100.00	0.00	0.00	0.00	0.00	25	0	8	0	7,866	34,543	0	0	-26,677
6170-00-70	213+00	100.00	29.28	0.00	6.86	0.00	54	0	13	0	7,920	34,559	0	0	-26,639
6170-00-70	214+00	100.00	20.83	0.00	16.47	0.00	93	0	43	0	8,013	34,613	0	0	-26,600
6170-00-70	215+00	100.00	16.51	0.00	45.26	0.00	69	0	114	0	8,082	34,755	0	0	-26,673
6170-00-70	216+00	100.00	13.85	0.00	17.47	0.00	56	0	116	0	8,138	34,900	0	0	-26,762
6170-00-70	217+00	100.00	5.26	0.00	81.31	0.00	35	0	183	0	8,173	35,129	0	0	-26,956
6170-00-70	218+00	100.00	10.54	0.00	19.27	0.00	29	0	186	0	8,202	35,361	0	0	-27,159
6170-00-70	219+00	100.00	9.18	0.00	3.17	0.00	37	0	42	0	8,239	35,414	0	0	-27,175
6170-00-70	220+00	100.00	67.67	0.00	1.53	0.00	142	0	9	0	8,381	35,425	0	0	-27,044
6170-00-70	245+00	0.00	56.16	0.00	11.70	0.00	0	0	0	0	8,381	35,425	0	0	-27,044
6170-00-70	246+00	100.00	7.72	0.00	8.71	0.00	118	0	38	0	8,499	35,473	0	0	-26,974
6170-00-70	247+00	100.00	7.12	0.00	8.78	0.00	27	0	32	0	8,526	35,513	0	0	-26,987
6170-00-70	248+00	100.00	6.73	0.00	8.52	0.00	26	0	32	0	8,552	35,553	0	0	-27,001
6170-00-70	249+00	100.00	6.79	0.00	13.27	0.00	25	0	40	0	8,577	35,603	0	0	-27,026
6170-00-70	250+00	100.00	6.29	0.00	29.78	0.00	24	0	80	0	8,601	35,703	0	0	-27,102
6170-00-70	251+00	100.00	5.60	0.00	59.60	0.00	22	0	166	0	8,623	35,910	0	0	-27,287
6170-00-70	252+00	100.00	5.20	0.00	39.73	0.00	20	0	184	0	8,643	36,140	0	0	-27,497
6170-00-70	253+00	100.00	12.44	0.00	2.87	0.00	33	0	79	0	8,676	36,239	0	0	-27,563
6170-00-70	254+00	100.00	7.31	0.00	9.90	0.00	37	0	24	0	8,713	36,269	0	0	-27,556
6170-00-70	255+00	100.00	7.63	0.00	7.91	0.00	28	0	33	0	8,741	36,310	0	0	-27,569
6170-00-70	256+00	100.00	5.90	0.00	14.32	0.00	25	0	41	0	8,766	36,361	0	0	-27,595
6170-00-70	257+00	100.00	10.13	0.00	11.53	0.00	30	0	48	0	8,796	36,421	0	0	-27,625
6170-00-70	258+00	100.00	14.50	0.00	10.51	0.00	46	0	41	0	8,842	36,473	0	0	-27,631
6170-00-70	259+00	100.00	11.83	0.00	11.73	0.00	49	0	41	0	8,891	36,524	0	0	-27,633
6170-00-70	260+00	100.00	10.95	0.00	14.11	0.00	42	0	48	0	8,933	36,584	0	0	-27,651
6170-00-70	261+00	100.00	7.90	0.00	13.15	0.00	35	0	50	0	8,968	36,646	0	0	-27,678
6170-00-70	262+00	100.00	6.80	0.00	12.84	0.00	27	0	48	0	8,995	36,706	0	0	-27,711
6170-00-70	263+00	100.00	6.78	0.00	12.49	0.00	25	0	47	0	9,020	36,765	0	0	-27,745
6170-00-70	264+00	100.00	7.45	0.00	12.28	0.00	26	0	46	0	9,046	36,823	0	0	-27,777
6170-00-70	265+00	100.00	7.19	0.00	10.94	0.00	27	0	43	0	9,073	36,876	0	0	-27,803
6170-00-70	266+00	100.00	6.56	0.00	14.44	0.00	25	0	47	0	9,098	36,935	0	0	-27,837
6170-00-70	267+00	100.00	11.78	0.00	9.63	0.00	34	0	45	0	9,132	36,991	0	0	-27,859
6170-00-70	268+00	100.00	17.15	0.00	9.16	0.00	54	0	35	0	9,186	37,035	0	0	-27,849
6170-00-70	269+00	100.00	9.38	0.00	11.69	0.00	49	0	39	0	9,235	37,084	0	0	-27,849
6170-00-70	270+00	100.00	6.77	0.00	11.43	0.00	30	0	43	0	9,265	37,138	0	0	-27,873
6170-00-70	271+00	100.00	8.38	0.00	10.45	0.00	28	0	41	0	9,293	37,189	0	0	-27,896
6170-00-70	272+00	100.00	10.38	0.00	10.56	0.00	35	0	39	0	9,328	37,238	0	0	-27,910
6170-00-70	273+00	100.00	10.30	0.00	15.91	0.00	38	0	49	0	9,366	37,299	0	0	-27,933
6170-00-70	274+00	100.00	11.70	0.00	13.84	0.00	41	0	55	0	9,407	37,368	0	0	-27,961
6170-00-70	275+00	100.00	13.07	0.00	8.34	0.00	46	0	41	0	9,453	37,419	0	0	-27,966
6170-00-70	276+00	100.00	15.91	0.00	11.22	0.00	54	0	36	0	9,507	37,464	0	0	-27,957
6170-00-70	277+00	100.00	14.34	0.00	9.44	0.00	56	0	38	0	9,563	37,511	0	0	-27,948
6170-00-70	278+00	100.00	17.71	0.00	6.98	0.00	59	0	30	0	9,622	37,549	0	0	-27,927
6170-00-70	279+00	100.00	12.21	0.00	9.53	0.00	55	0	31	0	9,677	37,588	0	0	-27,911

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	280+00	100.00	16.75	0.00	12.09	0.00	54	0	40	0	9,731	37,638	0	0	-27,907
6170-00-70	281+00	100.00	13.46	0.00	8.69	0.00	56	0	38	0	9,787	37,685	0	0	-27,898
6170-00-70	282+00	100.00	17.52	0.00	2.78	0.00	57	0	21	0	9,844	37,711	0	0	-27,867
6170-00-70	283+00	100.00	44.69	0.00	13.84	0.00	115	0	31	0	9,959	37,750	0	0	-27,791
6170-00-70	284+00	100.00	82.14	0.00	15.27	0.00	235	0	54	0	10,194	37,818	0	0	-27,624
6170-00-70	285+00	100.00	32.17	0.00	22.14	0.00	212	0	69	0	10,406	37,904	0	0	-27,498
6170-00-70	286+00	100.00	6.32	0.00	23.87	0.00	71	0	85	0	10,477	38,010	0	0	-27,533
6170-00-70	287+00	100.00	7.14	0.00	15.32	0.00	25	0	73	0	10,502	38,101	0	0	-27,599
6170-00-70	288+00	100.00	8.65	0.00	11.53	0.00	29	0	50	0	10,531	38,164	0	0	-27,633
6170-00-70	289+00	100.00	9.29	0.00	8.25	0.00	33	0	37	0	10,564	38,210	0	0	-27,646
6170-00-70	290+00	100.00	8.29	0.00	7.93	0.00	33	0	30	0	10,597	38,248	0	0	-27,651
6170-00-70	291+00	100.00	10.33	0.00	9.40	0.00	34	0	32	0	10,631	38,288	0	0	-27,657
6170-00-70	292+00	100.00	11.96	0.00	5.46	0.00	41	0	28	0	10,672	38,323	0	0	-27,651
6170-00-70	293+00	100.00	8.15	0.00	17.55	0.00	37	0	43	0	10,709	38,376	0	0	-27,667
6170-00-70	294+00	100.00	8.83	0.00	14.81	0.00	31	0	60	0	10,740	38,451	0	0	-27,711
6170-00-70	295+00	100.00	9.12	0.00	13.95	0.00	33	0	53	0	10,773	38,518	0	0	-27,745
6170-00-70	296+00	100.00	7.48	0.00	13.39	0.00	31	0	51	0	10,804	38,581	0	0	-27,777
6170-00-70	297+00	100.00	6.21	0.00	20.19	0.00	25	0	62	0	10,829	38,659	0	0	-27,830
6170-00-70	298+00	100.00	6.06	0.00	34.57	0.00	23	0	101	0	10,852	38,785	0	0	-27,933
6170-00-70	299+00	100.00	6.55	0.00	5.49	0.00	23	0	74	0	10,875	38,878	0	0	-28,003
6170-00-70	300+00	100.00	10.31	0.00	25.29	0.00	31	0	57	0	10,906	38,949	0	0	-28,043
6170-00-70	301+00	100.00	11.88	0.00	23.63	0.00	41	0	91	0	10,947	39,063	0	0	-28,116
6170-00-70	302+00	100.00	9.20	0.00	28.09	0.00	39	0	96	0	10,986	39,183	0	0	-28,197
6170-00-70	303+00	100.00	15.68	0.00	0.70	0.00	46	0	53	0	11,032	39,249	0	0	-28,217
6170-00-70	304+00	100.00	13.60	0.00	10.19	0.00	54	0	20	0	11,086	39,274	0	0	-28,188
6170-00-70	305+00	100.00	13.71	0.00	1.81	0.00	51	0	22	0	11,137	39,301	0	0	-28,164
6170-00-70	306+00	100.00	10.05	0.00	5.49	0.00	44	0	14	0	11,181	39,319	0	0	-28,138
6170-00-70	307+00	100.00	9.28	0.00	4.45	0.00	36	0	18	0	11,217	39,341	0	0	-28,124
6170-00-70	308+00	100.00	7.03	0.00	246.11	0.00	30	0	464	0	11,247	39,921	0	0	-28,674
6170-00-70	309+00	100.00	5.48	0.00	682.85	0.00	23	0	1,720	0	11,270	42,071	0	0	-30,801
6170-00-70	310+00	100.00	5.69	0.00	1192.98	0.00	21	0	3,474	0	11,291	46,414	0	0	-35,123
6170-00-70	311+00	100.00	6.28	0.00	437.27	0.00	22	0	3,019	0	11,313	50,188	0	0	-38,875
6170-00-70	312+00	100.00	6.29	0.00	210.13	0.00	23	0	1,199	0	11,336	51,686	0	0	-40,350
6170-00-70	313+00	100.00	7.03	0.00	49.87	0.00	25	0	481	0	11,361	52,288	0	0	-40,927
6170-00-70	314+00	100.00	8.10	0.00	5.81	0.00	28	0	103	0	11,389	52,416	0	0	-41,027
6170-00-70	315+00	100.00	8.48	0.00	6.24	0.00	31	0	22	0	11,420	52,444	0	0	-41,024
6170-00-70	316+00	100.00	17.36	0.00	5.01	0.00	48	0	21	0	11,468	52,470	0	0	-41,002
6170-00-70	317+00	100.00	10.05	0.00	2.97	0.00	51	0	15	0	11,519	52,489	0	0	-40,970
6170-00-70	318+00	100.00	11.24	0.00	3.60	0.00	39	0	12	0	11,558	52,504	0	0	-40,946
6170-00-70	319+00	100.00	9.62	0.00	8.32	0.00	39	0	22	0	11,597	52,531	0	0	-40,934
6170-00-70	320+00	100.00	8.28	0.00	28.19	0.00	33	0	68	0	11,630	52,616	0	0	-40,986
6170-00-70	321+00	100.00	8.28	0.00	9.00	0.00	31	0	69	0	11,661	52,703	0	0	-41,042
6170-00-70	322+00	100.00	9.91	0.00	5.50	0.00	34	0	27	0	11,695	52,736	0	0	-41,041
6170-00-70	323+00	100.00	9.39	0.00	7.48	0.00	36	0	24	0	11,731	52,766	0	0	-41,035
6170-00-70	324+00	100.00	6.91	0.00	14.29	0.00	30	0	40	0	11,761	52,816	0	0	-41,055
6170-00-70	325+00	100.00	7.31	0.00	15.36	0.00	26	0	55	0	11,787	52,885	0	0	-41,098
6170-00-70	326+00	100.00	9.80	0.00	10.81	0.00	32	0	48	0	11,819	52,945	0	0	-41,126
6170-00-70	327+00	100.00	12.63	0.00	12.76	0.00	42	0	44	0	11,861	53,000	0	0	-41,139
6170-00-70	328+00	100.00	10.14	0.00	19.94	0.00	42	0	61	0	11,903	53,076	0	0	-41,173
6170-00-70	329+00	100.00	16.33	0.00	20.70	0.00	49	0	75	0	11,952	53,170	0	0	-41,218

NOTES:	
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6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	330+00	100.00	11.67	0.00	16.27	0.00	52	0	68	0	12,004	53,255	0	0	-41,251
6170-00-70	331+00	100.00	9.50	0.00	13.61	0.00	39	0	55	0	12,043	53,324	0	0	-41,281
6170-00-70	332+00	100.00	18.29	0.00	9.66	0.00	51	0	43	0	12,094	53,378	0	0	-41,284
6170-00-70	333+00	100.00	18.17	0.00	9.42	0.00	68	0	35	0	12,162	53,421	0	0	-41,259
6170-00-70	334+00	100.00	9.49	0.00	10.56	0.00	51	0	37	0	12,213	53,468	0	0	-41,255
6170-00-70	335+00	100.00	8.47	0.00	10.23	0.00	33	0	38	0	12,246	53,515	0	0	-41,269
6170-00-70	336+00	100.00	7.66	0.00	12.26	0.00	30	0	42	0	12,276	53,568	0	0	-41,292
6170-00-70	337+00	100.00	8.28	0.00	11.88	0.00	30	0	45	0	12,306	53,624	0	0	-41,318
6170-00-70	338+00	100.00	8.03	0.00	11.36	0.00	30	0	43	0	12,336	53,678	0	0	-41,342
6170-00-70	339+00	100.00	9.77	0.00	12.68	0.00	33	0	45	0	12,369	53,734	0	0	-41,365
6170-00-70	340+00	100.00	14.30	0.00	8.99	0.00	45	0	40	0	12,414	53,784	0	0	-41,370
6170-00-70	341+00	100.00	8.41	0.00	9.44	0.00	42	0	34	0	12,456	53,826	0	0	-41,370
6170-00-70	342+00	100.00	12.64	0.00	3.42	0.00	39	0	24	0	12,495	53,856	0	0	-41,361
6170-00-70	343+00	100.00	10.33	0.00	4.34	0.00	43	0	14	0	12,538	53,874	0	0	-41,336
6170-00-70	344+00	100.00	12.23	0.00	2.78	0.00	42	0	13	0	12,580	53,890	0	0	-41,310
6170-00-70	345+00	100.00	13.58	0.00	2.26	0.00	48	0	9	0	12,628	53,901	0	0	-41,273
6170-00-70	346+00	100.00	11.33	0.00	3.08	0.00	46	0	10	0	12,674	53,914	0	0	-41,240
6170-00-70	347+00	100.00	12.50	0.00	5.20	0.00	44	0	15	0	12,718	53,933	0	0	-41,215
6170-00-70	348+00	100.00	13.15	0.00	2.21	0.00	48	0	14	0	12,766	53,950	0	0	-41,184
6170-00-70	349+00	100.00	13.66	0.00	2.22	0.00	50	0	8	0	12,816	53,960	0	0	-41,144
6170-00-70	350+00	100.00	10.48	0.00	5.42	0.00	45	0	14	0	12,861	53,978	0	0	-41,117
6170-00-70	351+00	100.00	13.37	0.00	9.31	0.00	44	0	27	0	12,905	54,011	0	0	-41,106
6170-00-70	352+00	100.00	9.44	0.00	10.73	0.00	42	0	37	0	12,947	54,058	0	0	-41,111
6170-00-70	353+00	100.00	48.59	0.00	2.71	0.00	107	0	25	0	13,054	54,089	0	0	-41,035
6170-00-70	354+00	100.00	11.42	0.00	4.02	0.00	111	0	12	0	13,165	54,104	0	0	-40,939
6170-00-70	355+00	100.00	9.70	0.00	5.33	0.00	39	0	17	0	13,204	54,125	0	0	-40,921
6170-00-70	356+00	100.00	11.42	0.00	2.44	0.00	39	0	14	0	13,243	54,143	0	0	-40,900
6170-00-70	357+00	100.00	9.63	0.00	16.73	0.00	39	0	36	0	13,282	54,188	0	0	-40,906
6170-00-70	358+00	100.00	10.06	0.00	27.60	0.00	36	0	82	0	13,318	54,290	0	0	-40,972
6170-00-70	359+00	100.00	8.96	0.00	15.77	0.00	35	0	80	0	13,353	54,390	0	0	-41,037
6170-00-70	360+00	100.00	8.38	0.00	39.49	0.00	32	0	102	0	13,385	54,518	0	0	-41,133
6170-00-70	361+00	100.00	9.35	0.00	16.40	0.00	33	0	103	0	13,418	54,646	0	0	-41,228
6170-00-70	362+00	100.00	8.73	0.00	8.64	0.00	33	0	46	0	13,451	54,704	0	0	-41,253
6170-00-70	363+00	100.00	9.66	0.00	7.61	0.00	34	0	30	0	13,485	54,741	0	0	-41,256
6170-00-70	364+00	100.00	9.22	0.00	4.65	0.00	35	0	23	0	13,520	54,770	0	0	-41,250
6170-00-70	365+00	100.00	9.27	0.00	7.91	0.00	34	0	23	0	13,554	54,799	0	0	-41,245
6170-00-70	366+00	100.00	21.43	0.00	2.73	0.00	57	0	20	0	13,611	54,824	0	0	-41,213
6170-00-70	367+00	100.00	16.59	0.00	4.10	0.00	70	0	13	0	13,681	54,840	0	0	-41,159
6170-00-70	368+00	100.00	9.23	0.00	12.35	0.00	48	0	30	0	13,729	54,878	0	0	-41,149
6170-00-70	369+00	100.00	9.60	0.00	13.15	0.00	35	0	47	0	13,764	54,936	0	0	-41,172
6170-00-70	370+00	100.00	5.73	0.00	25.18	0.00	28	0	71	0	13,792	55,025	0	0	-41,233
6170-00-70	371+00	100.00	9.42	0.00	14.02	0.00	28	0	73	0	13,820	55,116	0	0	-41,296
6170-00-70	372+00	100.00	10.55	0.00	21.31	0.00	37	0	65	0	13,857	55,198	0	0	-41,341
6170-00-70	373+00	100.00	19.43	0.00	20.67	0.00	56	0	78	0	13,913	55,295	0	0	-41,382
6170-00-70	374+00	100.00	25.60	0.00	9.84	0.00	83	0	56	0	13,996	55,365	0	0	-41,369
6170-00-70	375+00	100.00	9.15	0.00	26.15	0.00	64	0	67	0	14,060	55,449	0	0	-41,389
6170-00-70	376+00	100.00	6.79	0.00	27.44	0.00	30	0	99	0	14,090	55,573	0	0	-41,483
6170-00-70	377+00	100.00	7.63	0.00	22.40	0.00	27	0	92	0	14,117	55,688	0	0	-41,571
6170-00-70	378+00	100.00	15.66	0.00	21.50	0.00	43	0	81	0	14,160	55,789	0	0	-41,629
6170-00-70	379+00	100.00	6.38	0.00	20.45	0.00	41	0	78	0	14,201	55,886	0	0	-41,685

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	380+00	100.00	8.02	0.00	11.15	0.00	27	0	59	0	14,228	55,960	0	0	-41,732
6170-00-70	381+00	100.00	7.87	0.00	10.01	0.00	29	0	39	0	14,257	56,009	0	0	-41,752
6170-00-70	382+00	100.00	8.14	0.00	13.98	0.00	30	0	44	0	14,287	56,064	0	0	-41,777
6170-00-70	383+00	100.00	6.42	0.00	21.39	0.00	27	0	65	0	14,314	56,145	0	0	-41,831
6170-00-70	384+00	100.00	6.97	0.00	114.95	0.00	25	0	252	0	14,339	56,460	0	0	-42,121
6170-00-70	385+00	100.00	6.82	0.00	19.85	0.00	26	0	250	0	14,365	56,773	0	0	-42,408
6170-00-70	386+00	100.00	7.77	0.00	13.63	0.00	27	0	62	0	14,392	56,850	0	0	-42,458
6170-00-70	387+00	100.00	8.39	0.00	12.16	0.00	30	0	48	0	14,422	56,910	0	0	-42,488
6170-00-70	388+00	100.00	7.91	0.00	17.65	0.00	30	0	55	0	14,452	56,979	0	0	-42,527
6170-00-70	389+00	100.00	8.71	0.00	6.56	0.00	31	0	45	0	14,483	57,035	0	0	-42,552
6170-00-70	390+00	100.00	8.83	0.00	8.49	0.00	32	0	28	0	14,515	57,070	0	0	-42,555
6170-00-70	391+00	100.00	7.26	0.00	25.37	0.00	30	0	63	0	14,545	57,149	0	0	-42,604
6170-00-70	392+00	100.00	7.39	0.00	23.06	0.00	27	0	90	0	14,572	57,261	0	0	-42,689
6170-00-70	393+00	100.00	12.23	0.00	2.39	0.00	36	0	47	0	14,608	57,320	0	0	-42,712
6170-00-70	394+00	100.00	20.53	0.00	2.82	0.00	61	0	10	0	14,669	57,333	0	0	-42,664
6170-00-70	395+00	100.00	20.30	0.00	2.16	0.00	76	0	9	0	14,745	57,344	0	0	-42,599
6170-00-70	396+00	100.00	10.63	0.00	2.92	0.00	57	0	9	0	14,802	57,355	0	0	-42,553
6170-00-70	397+00	100.00	9.73	0.00	15.49	0.00	38	0	34	0	14,840	57,398	0	0	-42,558
6170-00-70	398+00	100.00	8.53	0.00	20.00	0.00	34	0	66	0	14,874	57,480	0	0	-42,606
6170-00-70	399+00	100.00	16.02	0.00	2.50	0.00	45	0	42	0	14,919	57,533	0	0	-42,614
6170-00-70	400+00	100.00	21.01	0.00	1.38	0.00	69	0	7	0	14,988	57,541	0	0	-42,553
6170-00-70	401+00	100.00	23.44	0.00	2.50	0.00	82	0	7	0	15,070	57,550	0	0	-42,480
6170-00-70	402+00	100.00	26.23	0.00	0.25	0.00	92	0	5	0	15,162	57,556	0	0	-42,394
6170-00-70	403+00	100.00	9.25	0.00	4.18	0.00	66	0	8	0	15,228	57,566	0	0	-42,338
6170-00-70	404+00	100.00	23.43	0.00	1.68	0.00	61	0	11	0	15,289	57,580	0	0	-42,291
6170-00-70	405+00	100.00	12.02	0.00	0.11	0.00	66	0	3	0	15,355	57,584	0	0	-42,229
6170-00-70	406+00	100.00	9.67	0.00	3.88	0.00	40	0	7	0	15,395	57,593	0	0	-42,198
6170-00-70	407+00	100.00	9.96	0.00	10.92	0.00	36	0	27	0	15,431	57,626	0	0	-42,195
6170-00-70	408+00	100.00	11.00	0.00	21.13	0.00	39	0	59	0	15,470	57,700	0	0	-42,230
6170-00-70	409+00	100.00	12.07	0.00	4.75	0.00	43	0	48	0	15,513	57,760	0	0	-42,247
6170-00-70	410+00	100.00	7.35	0.00	10.77	0.00	36	0	29	0	15,549	57,796	0	0	-42,247
6170-00-70	411+00	100.00	28.15	0.00	3.20	0.00	66	0	26	0	15,615	57,829	0	0	-42,214
6170-00-70	412+00	100.00	15.88	0.00	5.94	0.00	82	0	17	0	15,697	57,850	0	0	-42,153
6170-00-70	413+00	100.00	20.11	0.00	3.42	0.00	67	0	17	0	15,764	57,871	0	0	-42,107
6170-00-70	414+00	100.00	13.93	0.00	4.51	0.00	63	0	15	0	15,827	57,890	0	0	-42,063
6170-00-70	415+00	100.00	13.65	0.00	5.05	0.00	51	0	18	0	15,878	57,913	0	0	-42,035
6170-00-70	416+00	100.00	7.42	0.00	20.76	0.00	39	0	48	0	15,917	57,973	0	0	-42,056
6170-00-70	417+00	100.00	8.03	0.00	10.48	0.00	29	0	58	0	15,946	58,045	0	0	-42,099
6170-00-70	418+00	100.00	8.42	0.00	5.79	0.00	30	0	30	0	15,976	58,083	0	0	-42,107
6170-00-70	419+00	100.00	7.83	0.00	29.16	0.00	30	0	65	0	16,006	58,164	0	0	-42,158
6170-00-70	420+00	100.00	7.93	0.00	32.20	0.00	29	0	114	0	16,035	58,306	0	0	-42,271
6170-00-70	421+00	100.00	8.33	0.00	28.77	0.00	30	0	113	0	16,065	58,448	0	0	-42,383
6170-00-70	422+00	100.00	8.55	0.00	18.64	0.00	31	0	88	0	16,096	58,558	0	0	-42,462
6170-00-70	423+00	100.00	9.71	0.00	10.76	0.00	34	0	54	0	16,130	58,625	0	0	-42,495
6170-00-70	424+00	100.00	7.88	0.00	29.69	0.00	33	0	75	0	16,163	58,719	0	0	-42,556
6170-00-70	425+00	100.00	8.62	0.00	8.00	0.00	31	0	70	0	16,194	58,806	0	0	-42,612
6170-00-70	426+00	100.00	8.00	0.00	10.00	0.00	31	0	33	0	16,225	58,848	0	0	-42,623
6170-00-70	427+00	100.00	9.20	0.00	8.67	0.00	32	0	35	0	16,257	58,891	0	0	-42,634
6170-00-70	428+00	100.00	8.38	0.00	10.41	0.00	33	0	35	0	16,290	58,935	0	0	-42,645
6170-00-70	429+00	100.00	10.98	0.00	5.69	0.00	36	0	30	0	16,326	58,973	0	0	-42,647

NOTES:	
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4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	430+00	100.00	8.64	0.00	3.09	0.00	36	0	16	0	16,362	58,993	0	0	-42,631
6170-00-70	431+00	100.00	11.58	0.00	3.61	0.00	37	0	12	0	16,399	59,008	0	0	-42,609
6170-00-70	432+00	100.00	7.65	0.00	18.82	0.00	36	0	42	0	16,435	59,060	0	0	-42,625
6170-00-70	433+00	100.00	6.80	0.00	29.30	0.00	27	0	89	0	16,462	59,171	0	0	-42,709
6170-00-70	434+00	100.00	6.22	0.00	78.32	0.00	24	0	199	0	16,486	59,420	0	0	-42,934
6170-00-70	435+00	100.00	6.44	0.00	126.03	0.00	23	0	378	0	16,509	59,893	0	0	-43,384
6170-00-70	436+00	100.00	5.64	0.00	174.48	0.00	22	0	556	0	16,531	60,588	0	0	-44,057
6170-00-70	437+00	100.00	7.22	0.00	205.47	0.00	24	0	704	0	16,555	61,468	0	0	-44,913
6170-00-70	438+00	100.00	8.06	0.00	209.39	0.00	28	0	768	0	16,583	62,428	0	0	-45,845
6170-00-70	439+00	100.00	8.73	0.00	67.92	0.00	31	0	514	0	16,614	63,070	0	0	-46,456
6170-00-70	440+00	100.00	11.10	0.00	5.14	0.00	37	0	135	0	16,651	63,239	0	0	-46,588
6170-00-70	441+00	100.00	10.76	0.00	3.24	0.00	40	0	16	0	16,691	63,259	0	0	-46,568
6170-00-70	442+00	100.00	10.09	0.00	5.40	0.00	39	0	16	0	16,730	63,279	0	0	-46,549
6170-00-70	443+00	100.00	9.12	0.00	9.30	0.00	36	0	27	0	16,766	63,313	0	0	-46,547
6170-00-70	444+00	100.00	7.71	0.00	12.61	0.00	31	0	41	0	16,797	63,364	0	0	-46,567
6170-00-70	445+00	100.00	7.64	0.00	10.95	0.00	28	0	44	0	16,825	63,419	0	0	-46,594
6170-00-70	446+00	100.00	8.20	0.00	5.15	0.00	29	0	30	0	16,854	63,456	0	0	-46,602
6170-00-70	447+00	100.00	9.86	0.00	24.43	0.00	33	0	55	0	16,887	63,525	0	0	-46,638
6170-00-70	448+00	100.00	11.32	0.00	22.50	0.00	39	0	87	0	16,926	63,634	0	0	-46,708
6170-00-70	449+00	100.00	10.16	0.00	16.38	0.00	40	0	72	0	16,966	63,724	0	0	-46,758
6170-00-70	450+00	100.00	8.13	0.00	26.03	0.00	34	0	79	0	17,000	63,823	0	0	-46,823
6170-00-70	451+00	100.00	15.83	0.00	3.46	0.00	44	0	55	0	17,044	63,891	0	0	-46,847
6170-00-70	452+00	100.00	13.44	0.00	4.37	0.00	54	0	15	0	17,098	63,910	0	0	-46,812
6170-00-70	453+00	100.00	20.14	0.00	1.35	0.00	62	0	11	0	17,160	63,924	0	0	-46,764
6170-00-70	454+00	100.00	10.46	0.00	3.62	0.00	57	0	9	0	17,217	63,935	0	0	-46,718
6170-00-70	455+00	100.00	19.81	0.00	0.82	0.00	56	0	8	0	17,273	63,945	0	0	-46,672
6170-00-70	456+00	100.00	27.78	0.00	14.87	0.00	88	0	29	0	17,361	63,981	0	0	-46,620
6170-00-70	457+00	100.00	16.46	0.00	52.33	0.00	82	0	124	0	17,443	64,136	0	0	-46,693
6170-00-70	458+00	100.00	18.22	0.00	82.14	0.00	64	0	249	0	17,507	64,448	0	0	-46,941
6170-00-70	459+00	100.00	6.75	0.00	61.81	0.00	46	0	267	0	17,553	64,781	0	0	-47,228
6170-00-70	460+00	100.00	5.25	0.00	101.15	0.00	22	0	302	0	17,575	65,159	0	0	-47,584
6170-00-70	461+00	100.00	4.91	0.00	134.51	0.00	19	0	436	0	17,594	65,704	0	0	-48,110
6170-00-70	462+00	100.00	5.33	0.00	64.96	0.00	19	0	369	0	17,613	66,165	0	0	-48,552
6170-00-70	463+00	100.00	6.82	0.00	53.77	0.00	23	0	220	0	17,636	66,440	0	0	-48,804
6170-00-70	464+00	100.00	6.50	0.00	21.33	0.00	25	0	139	0	17,661	66,614	0	0	-48,953
6170-00-70	465+00	100.00	10.38	0.00	4.15	0.00	31	0	47	0	17,692	66,673	0	0	-48,981
6170-00-70	466+00	100.00	10.54	0.00	2.32	0.00	39	0	12	0	17,731	66,688	0	0	-48,957
6170-00-70	467+00	100.00	10.16	0.00	7.71	0.00	38	0	19	0	17,769	66,711	0	0	-48,942
6170-00-70	468+00	100.00	8.16	0.00	17.18	0.00	34	0	46	0	17,803	66,769	0	0	-48,966
6170-00-70	469+00	100.00	7.45	0.00	12.06	0.00	29	0	54	0	17,832	66,836	0	0	-49,004
6170-00-70	470+00	100.00	8.46	0.00	7.59	0.00	29	0	36	0	17,861	66,881	0	0	-49,020
6170-00-70	471+00	100.00	8.32	0.00	7.64	0.00	31	0	28	0	17,892	66,916	0	0	-49,024
6170-00-70	472+00	100.00	14.79	0.00	6.43	0.00	43	0	26	0	17,935	66,949	0	0	-49,014
6170-00-70	473+00	100.00	7.35	0.00	34.43	0.00	41	0	76	0	17,976	67,044	0	0	-49,068
6170-00-70	474+00	100.00	7.48	0.00	35.04	0.00	27	0	129	0	18,003	67,205	0	0	-49,202
6170-00-70	475+00	100.00	6.65	0.00	42.38	0.00	26	0	143	0	18,029	67,384	0	0	-49,355
6170-00-70	476+00	100.00	7.14	0.00	30.02	0.00	26	0	134	0	18,055	67,551	0	0	-49,496
6170-00-70	477+00	100.00	8.90	0.00	9.49	0.00	30	0	73	0	18,085	67,643	0	0	-49,558
6170-00-70	478+00	100.00	13.16	0.00	6.30	0.00	41	0	29	0	18,126	67,679	0	0	-49,553
6170-00-70	479+00	100.00	7.10	0.00	9.54	0.00	38	0	29	0	18,164	67,715	0	0	-49,551

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
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4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	480+00	100.00	7.70	0.00	10.81	0.00	27	0	38	0	18,191	67,763	0	0	-49,572
6170-00-70	481+00	100.00	8.36	0.00	11.95	0.00	30	0	42	0	18,221	67,815	0	0	-49,594
6170-00-70	482+00	100.00	14.60	0.00	0.00	0.00	43	0	22	0	18,264	67,843	0	0	-49,579
6170-00-70	483+00	100.00	8.96	0.00	8.14	0.00	44	0	15	0	18,308	67,861	0	0	-49,553
6170-00-70	484+00	100.00	6.85	0.00	44.00	0.00	29	0	97	0	18,337	67,983	0	0	-49,646
6170-00-70	485+00	100.00	5.53	0.00	29.34	0.00	23	0	136	0	18,360	68,153	0	0	-49,793
6170-00-70	486+00	100.00	5.66	0.00	33.40	0.00	21	0	116	0	18,381	68,298	0	0	-49,917
6170-00-70	487+00	100.00	6.11	0.00	14.01	0.00	22	0	88	0	18,403	68,408	0	0	-50,005
6170-00-70	488+00	100.00	7.44	0.00	5.81	0.00	25	0	37	0	18,428	68,454	0	0	-50,026
6170-00-70	489+00	100.00	6.96	0.00	5.71	0.00	27	0	21	0	18,455	68,480	0	0	-50,025
6170-00-70	490+00	100.00	11.34	0.00	0.02	0.00	34	0	11	0	18,489	68,494	0	0	-50,005
6170-00-70	491+00	100.00	8.20	0.00	6.07	0.00	36	0	11	0	18,525	68,508	0	0	-49,983
6170-00-70	492+00	100.00	8.53	0.00	9.10	0.00	31	0	28	0	18,556	68,543	0	0	-49,987
6170-00-70	493+00	100.00	9.01	0.00	9.30	0.00	32	0	34	0	18,588	68,585	0	0	-49,997
6170-00-70	494+00	100.00	8.80	0.00	10.22	0.00	33	0	36	0	18,621	68,630	0	0	-50,009
6170-00-70	495+00	100.00	8.62	0.00	15.19	0.00	32	0	47	0	18,653	68,689	0	0	-50,036
6170-00-70	496+00	100.00	17.03	0.00	15.65	0.00	47	0	57	0	18,700	68,760	0	0	-50,060
6170-00-70	497+00	100.00	15.85	0.00	7.98	0.00	61	0	44	0	18,761	68,815	0	0	-50,054
6170-00-70	498+00	100.00	5.66	0.00	3.44	0.00	40	0	21	0	18,801	68,841	0	0	-50,040
6170-00-70	499+00	100.00	11.81	0.00	1.10	0.00	32	0	8	0	18,833	68,851	0	0	-50,018
6170-00-70	500+00	100.00	8.95	0.00	8.47	0.00	38	0	18	0	18,871	68,874	0	0	-50,003
6170-00-70	501+00	100.00	9.25	0.00	6.58	0.00	34	0	28	0	18,905	68,909	0	0	-50,004
6170-00-70	502+00	100.00	7.99	0.00	12.45	0.00	32	0	35	0	18,937	68,953	0	0	-50,016
6170-00-70	503+00	100.00	9.33	0.00	7.41	0.00	32	0	37	0	18,969	68,999	0	0	-50,030
6170-00-70	504+00	100.00	10.24	0.00	2.45	0.00	36	0	18	0	19,005	69,021	0	0	-50,016
6170-00-70	505+00	100.00	11.41	0.00	8.14	0.00	40	0	20	0	19,045	69,046	0	0	-50,001
6170-00-70	506+00	100.00	9.36	0.00	7.22	0.00	38	0	28	0	19,083	69,081	0	0	-49,998
6170-00-70	507+00	100.00	10.81	0.00	4.54	0.00	37	0	22	0	19,120	69,109	0	0	-49,989
6170-00-70	508+00	100.00	8.68	0.00	6.93	0.00	36	0	21	0	19,156	69,135	0	0	-49,979
6170-00-70	509+00	100.00	11.49	0.00	14.95	0.00	37	0	41	0	19,193	69,186	0	0	-49,993
6170-00-70	510+00	100.00	9.97	0.00	20.14	0.00	40	0	65	0	19,233	69,268	0	0	-50,035
6170-00-70	511+00	100.00	9.03	0.00	21.05	0.00	35	0	76	0	19,268	69,363	0	0	-50,095
6170-00-70	512+00	100.00	11.40	0.00	22.11	0.00	38	0	80	0	19,306	69,463	0	0	-50,157
6170-00-70	513+00	100.00	6.33	0.00	20.45	0.00	33	0	79	0	19,339	69,561	0	0	-50,222
6170-00-70	514+00	100.00	7.60	0.00	15.24	0.00	26	0	66	0	19,365	69,644	0	0	-50,279
6170-00-70	515+00	100.00	11.90	0.00	5.29	0.00	36	0	38	0	19,401	69,691	0	0	-50,290
6170-00-70	516+00	100.00	14.33	0.00	13.71	0.00	49	0	35	0	19,450	69,735	0	0	-50,285
6170-00-70	517+00	100.00	10.97	0.00	10.03	0.00	47	0	44	0	19,497	69,790	0	0	-50,293
6170-00-70	518+00	100.00	8.28	0.00	12.96	0.00	36	0	43	0	19,533	69,844	0	0	-50,311
6170-00-70	519+00	100.00	12.47	0.00	8.32	0.00	38	0	39	0	19,571	69,893	0	0	-50,322
6170-00-70	520+00	100.00	4.71	0.00	58.90	0.00	32	0	124	0	19,603	70,048	0	0	-50,445
6170-00-70	521+00	100.00	8.56	0.00	122.63	0.00	25	0	336	0	19,628	70,468	0	0	-50,840
6170-00-70	522+00	100.00	6.38	0.00	21.40	0.00	28	0	267	0	19,656	70,801	0	0	-51,145
6170-00-70	523+00	100.00	7.17	0.00	27.36	0.00	25	0	90	0	19,681	70,914	0	0	-51,233
6170-00-70	524+00	100.00	7.72	0.00	41.54	0.00	28	0	128	0	19,709	71,074	0	0	-51,365
6170-00-70	525+00	100.00	11.97	0.00	11.67	0.00	36	0	99	0	19,745	71,198	0	0	-51,453
6170-00-70	526+00	100.00	11.07	0.00	8.96	0.00	43	0	38	0	19,788	71,245	0	0	-51,457
6170-00-70	527+00	100.00	6.46	0.00	13.55	0.00	32	0	42	0	19,820	71,298	0	0	-51,478
6170-00-70	528+00	100.00	7.12	0.00	18.89	0.00	25	0	60	0	19,845	71,373	0	0	-51,528
6170-00-70	529+00	100.00	23.66	0.00	10.26	0.00	57	0	54	0	19,902	71,440	0	0	-51,538

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	530+00	100.00	9.13	0.00	19.31	0.00	61	0	55	0	19,963	71,509	0	0	-51,546
6170-00-70	531+00	100.00	7.28	0.00	31.75	0.00	30	0	95	0	19,993	71,628	0	0	-51,635
6170-00-70	532+00	100.00	8.39	0.00	26.23	0.00	29	0	107	0	20,022	71,761	0	0	-51,739
6170-00-70	533+00	100.00	9.32	0.00	78.86	0.00	33	0	195	0	20,055	72,005	0	0	-51,950
6170-00-70	534+00	100.00	9.02	0.00	9.05	0.00	34	0	163	0	20,089	72,209	0	0	-52,120
6170-00-70	535+00	100.00	10.10	0.00	6.81	0.00	35	0	29	0	20,124	72,245	0	0	-52,121
6170-00-70	536+00	100.00	11.02	0.00	4.05	0.00	39	0	20	0	20,163	72,270	0	0	-52,107
6170-00-70	537+00	100.00	11.30	0.00	12.82	0.00	41	0	31	0	20,204	72,309	0	0	-52,105
6170-00-70	538+00	100.00	18.61	0.00	13.94	0.00	55	0	50	0	20,259	72,371	0	0	-52,112
6170-00-70	539+00	100.00	17.97	0.00	12.48	0.00	68	0	49	0	20,327	72,433	0	0	-52,106
6170-00-70	540+00	100.00	16.64	0.00	11.22	0.00	64	0	44	0	20,391	72,488	0	0	-52,097
6170-00-70	541+00	100.00	14.33	0.00	14.07	0.00	57	0	47	0	20,448	72,546	0	0	-52,098
6170-00-70	542+00	100.00	14.52	0.00	17.07	0.00	53	0	58	0	20,501	72,619	0	0	-52,118
6170-00-70	543+00	100.00	16.65	0.00	18.23	0.00	58	0	65	0	20,559	72,700	0	0	-52,141
6170-00-70	544+00	100.00	21.06	0.00	17.45	0.00	70	0	66	0	20,629	72,783	0	0	-52,154
6170-00-70	545+00	100.00	21.31	0.00	16.66	0.00	78	0	63	0	20,707	72,861	0	0	-52,154
6170-00-70	546+00	100.00	22.17	0.00	18.92	0.00	81	0	66	0	20,788	72,944	0	0	-52,156
6170-00-70	547+00	100.00	25.23	0.00	18.28	0.00	88	0	69	0	20,876	73,030	0	0	-52,154
6170-00-70	548+00	100.00	28.72	0.00	19.61	0.00	100	0	70	0	20,976	73,118	0	0	-52,142
6170-00-70	549+00	100.00	25.34	0.00	27.62	0.00	100	0	87	0	21,076	73,226	0	0	-52,150
6170-00-70	550+00	100.00	25.46	0.00	8.25	0.00	94	0	66	0	21,170	73,309	0	0	-52,139
6170-00-70	551+00	100.00	27.28	0.00	11.59	0.00	98	0	37	0	21,268	73,355	0	0	-52,087
6170-00-70	552+00	100.00	24.34	0.00	12.77	0.00	96	0	45	0	21,364	73,411	0	0	-52,047
6170-00-70	553+00	100.00	20.10	0.00	16.17	0.00	82	0	54	0	21,446	73,479	0	0	-52,033
6170-00-70	554+00	100.00	19.91	0.00	14.56	0.00	74	0	57	0	21,520	73,550	0	0	-52,030
6170-00-70	555+00	100.00	15.00	0.00	11.29	0.00	65	0	48	0	21,585	73,610	0	0	-52,025
6170-00-70	556+00	100.00	14.54	0.00	8.04	0.00	55	0	36	0	21,640	73,655	0	0	-52,015
6170-00-70	557+00	100.00	12.01	0.00	12.75	0.00	49	0	39	0	21,689	73,704	0	0	-52,015
6170-00-70	558+00	100.00	22.20	0.00	11.54	0.00	63	0	45	0	21,752	73,760	0	0	-52,008
6170-00-70	559+00	100.00	29.67	0.00	7.21	0.00	96	0	35	0	21,848	73,804	0	0	-51,956
6170-00-70	560+00	100.00	11.88	0.00	16.82	0.00	77	0	44	0	21,925	73,859	0	0	-51,934
6170-00-70	561+00	100.00	13.93	0.00	14.27	0.00	48	0	58	0	21,973	73,931	0	0	-51,958
6170-00-70	562+00	100.00	20.02	0.00	12.24	0.00	63	0	49	0	22,036	73,993	0	0	-51,957
6170-00-70	563+00	100.00	15.03	0.00	7.96	0.00	65	0	37	0	22,101	74,039	0	0	-51,938
6170-00-70	564+00	100.00	10.68	0.00	11.89	0.00	48	0	37	0	22,149	74,085	0	0	-51,936
6170-00-70	565+00	100.00	30.54	0.00	9.28	0.00	76	0	39	0	22,225	74,134	0	0	-51,909
6170-00-70	566+00	100.00	18.21	0.00	4.46	0.00	90	0	25	0	22,315	74,165	0	0	-51,850
6170-00-70	567+00	100.00	10.39	0.00	16.58	0.00	53	0	39	0	22,368	74,214	0	0	-51,846
6170-00-70	568+00	100.00	12.45	0.00	14.89	0.00	42	0	58	0	22,410	74,286	0	0	-51,876
6170-00-70	569+00	100.00	12.69	0.00	14.57	0.00	47	0	55	0	22,457	74,355	0	0	-51,898
6170-00-70	570+00	100.00	14.48	0.00	12.47	0.00	50	0	50	0	22,507	74,418	0	0	-51,911
6170-00-70	571+00	100.00	17.58	0.00	4.49	0.00	59	0	31	0	22,566	74,456	0	0	-51,890
6170-00-70	572+00	100.00	11.48	0.00	14.90	0.00	54	0	36	0	22,620	74,501	0	0	-51,881
6170-00-70	573+00	100.00	16.61	0.00	17.92	0.00	52	0	61	0	22,672	74,578	0	0	-51,906
6170-00-70	574+00	100.00	20.32	0.00	13.01	0.00	68	0	57	0	22,740	74,649	0	0	-51,909
6170-00-70	575+00	100.00	9.65	0.00	19.23	0.00	56	0	60	0	22,796	74,724	0	0	-51,928
6170-00-70	576+00	100.00	11.52	0.00	13.36	0.00	39	0	60	0	22,835	74,799	0	0	-51,964
6170-00-70	577+00	100.00	13.76	0.00	10.89	0.00	47	0	45	0	22,882	74,855	0	0	-51,973
6170-00-70	578+00	100.00	10.34	0.00	12.39	0.00	45	0	43	0	22,927	74,909	0	0	-51,982
6170-00-70	579+00	100.00	11.48	0.00	11.54	0.00	40	0	44	0	22,967	74,964	0	0	-51,997

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	580+00	100.00	14.92	0.00	8.29	0.00	49	0	37	0	23,016	75,010	0	0	-51,994
6170-00-70	581+00	100.00	16.96	0.00	8.02	0.00	59	0	30	0	23,075	75,048	0	0	-51,973
6170-00-70	582+00	100.00	9.62	0.00	6.37	0.00	49	0	27	0	23,124	75,081	0	0	-51,957
6170-00-70	583+00	100.00	6.59	0.00	7.00	0.00	30	0	25	0	23,154	75,113	0	0	-51,959
6170-00-70	584+00	100.00	8.03	0.00	43.64	0.00	27	0	94	0	23,181	75,230	0	0	-52,049
6170-00-70	585+00	100.00	14.92	0.00	2.52	0.00	42	0	85	0	23,223	75,336	0	0	-52,113
6170-00-70	586+00	100.00	9.88	0.00	7.57	0.00	46	0	19	0	23,269	75,360	0	0	-52,091
6170-00-70	587+00	100.00	16.23	0.00	10.67	0.00	48	0	34	0	23,317	75,403	0	0	-52,086
6170-00-70	588+00	100.00	12.82	0.00	0.00	0.00	54	0	20	0	23,371	75,428	0	0	-52,057
6170-00-70	589+00	100.00	11.55	0.00	10.98	0.00	45	0	20	0	23,416	75,453	0	0	-52,037
6170-00-70	590+00	100.00	14.80	0.00	13.86	0.00	49	0	46	0	23,465	75,510	0	0	-52,045
6170-00-70	591+00	100.00	20.49	0.00	12.96	0.00	65	0	50	0	23,530	75,573	0	0	-52,043
6170-00-70	592+00	100.00	19.94	0.00	12.67	0.00	75	0	47	0	23,605	75,631	0	0	-52,026
6170-00-70	593+00	100.00	21.12	0.00	12.20	0.00	76	0	46	0	23,681	75,689	0	0	-52,008
6170-00-70	594+00	100.00	24.60	0.00	8.04	0.00	85	0	37	0	23,766	75,735	0	0	-51,969
6170-00-70	595+00	100.00	22.06	0.00	11.12	0.00	86	0	35	0	23,852	75,779	0	0	-51,927
6170-00-70	596+00	100.00	13.33	0.00	16.12	0.00	66	0	50	0	23,918	75,841	0	0	-51,923
6170-00-70	597+00	100.00	8.81	0.00	14.36	0.00	41	0	56	0	23,959	75,911	0	0	-51,952
6170-00-70	598+00	100.00	8.34	0.00	8.19	0.00	32	0	42	0	23,991	75,964	0	0	-51,973
6170-00-70	599+00	100.00	8.47	0.00	8.43	0.00	31	0	31	0	24,022	76,003	0	0	-51,981
6170-00-70	600+00	100.00	10.97	0.00	7.47	0.00	36	0	29	0	24,058	76,039	0	0	-51,981
6170-00-70	601+00	100.00	16.93	0.00	9.45	0.00	52	0	31	0	24,110	76,078	0	0	-51,968
6170-00-70	602+00	100.00	12.88	0.00	13.15	0.00	55	0	42	0	24,165	76,130	0	0	-51,965
6170-00-70	603+00	100.00	14.02	0.00	10.85	0.00	50	0	44	0	24,215	76,185	0	0	-51,970
6170-00-70	604+00	100.00	10.48	0.00	12.07	0.00	45	0	42	0	24,260	76,238	0	0	-51,978
6170-00-70	605+00	100.00	9.64	0.00	12.83	0.00	37	0	46	0	24,297	76,295	0	0	-51,998
6170-00-70	606+00	100.00	8.03	0.00	9.15	0.00	33	0	41	0	24,330	76,346	0	0	-52,016
6170-00-70	607+00	100.00	7.81	0.00	10.35	0.00	29	0	36	0	24,359	76,391	0	0	-52,032
6170-00-70	608+00	100.00	8.72	0.00	8.85	0.00	31	0	36	0	24,390	76,436	0	0	-52,046
6170-00-70	609+00	100.00	13.29	0.00	9.80	0.00	41	0	35	0	24,431	76,480	0	0	-52,049
6170-00-70	610+00	100.00	13.82	0.00	8.33	0.00	50	0	34	0	24,481	76,523	0	0	-52,042
6170-00-70	611+00	100.00	8.67	0.00	13.45	0.00	42	0	40	0	24,523	76,573	0	0	-52,050
6170-00-70	612+00	100.00	9.59	0.00	9.63	0.00	34	0	43	0	24,557	76,626	0	0	-52,069
6170-00-70	613+00	100.00	7.73	0.00	13.41	0.00	32	0	43	0	24,589	76,680	0	0	-52,091
6170-00-70	614+00	100.00	14.65	0.00	17.43	0.00	41	0	57	0	24,630	76,751	0	0	-52,121
6170-00-70	615+00	100.00	21.75	0.00	12.21	0.00	67	0	55	0	24,697	76,820	0	0	-52,123
6170-00-70	616+00	100.00	12.00	0.00	16.97	0.00	62	0	54	0	24,759	76,888	0	0	-52,129
6170-00-70	617+00	100.00	7.55	0.00	18.24	0.00	36	0	65	0	24,795	76,969	0	0	-52,174
6170-00-70	618+00	100.00	11.94	0.00	10.32	0.00	36	0	53	0	24,831	77,035	0	0	-52,204
6170-00-70	619+00	100.00	11.42	0.00	10.23	0.00	43	0	38	0	24,874	77,083	0	0	-52,209
6170-00-70	620+00	100.00	16.38	0.00	2.39	0.00	51	0	23	0	24,925	77,111	0	0	-52,186
6170-00-70	621+00	100.00	9.61	0.00	6.13	0.00	48	0	16	0	24,973	77,131	0	0	-52,158
6170-00-70	622+00	100.00	8.86	0.00	11.15	0.00	34	0	32	0	25,007	77,171	0	0	-52,164
6170-00-70	623+00	100.00	10.16	0.00	12.06	0.00	35	0	43	0	25,042	77,225	0	0	-52,183
6170-00-70	624+00	100.00	10.18	0.00	13.56	0.00	38	0	47	0	25,080	77,284	0	0	-52,204
6170-00-70	625+00	100.00	11.24	0.00	11.10	0.00	40	0	46	0	25,120	77,341	0	0	-52,221
6170-00-70	626+00	100.00	8.52	0.00	18.72	0.00	37	0	55	0	25,157	77,410	0	0	-52,253
6170-00-70	627+00	100.00	6.69	0.00	31.68	0.00	28	0	93	0	25,185	77,526	0	0	-52,341
6170-00-70	628+00	100.00	7.24	0.00	21.11	0.00	26	0	98	0	25,211	77,649	0	0	-52,438
6170-00-70	629+00	100.00	6.80	0.00	13.47	0.00	26	0	64	0	25,237	77,729	0	0	-52,492

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	630+00	100.00	6.76	0.00	15.02	0.00	25	0	53	0	25,262	77,795	0	0	-52,533
6170-00-70	631+00	100.00	8.14	0.00	12.82	0.00	28	0	52	0	25,290	77,860	0	0	-52,570
6170-00-70	632+00	100.00	9.69	0.00	3.72	0.00	33	0	31	0	25,323	77,899	0	0	-52,576
6170-00-70	633+00	100.00	8.36	0.00	17.72	0.00	33	0	40	0	25,356	77,949	0	0	-52,593
6170-00-70	634+00	100.00	8.85	0.00	10.80	0.00	32	0	53	0	25,388	78,015	0	0	-52,627
6170-00-70	635+00	100.00	8.04	0.00	25.95	0.00	31	0	68	0	25,419	78,100	0	0	-52,681
6170-00-70	636+00	100.00	9.89	0.00	16.92	0.00	33	0	79	0	25,452	78,199	0	0	-52,747
6170-00-70	637+00	100.00	9.24	0.00	7.85	0.00	35	0	46	0	25,487	78,256	0	0	-52,769
6170-00-70	638+00	100.00	8.66	0.00	10.88	0.00	33	0	35	0	25,520	78,300	0	0	-52,780
6170-00-70	639+00	100.00	7.78	0.00	10.09	0.00	30	0	39	0	25,550	78,349	0	0	-52,799
6170-00-70	640+00	100.00	7.56	0.00	13.53	0.00	28	0	44	0	25,578	78,404	0	0	-52,826
6170-00-70	641+00	100.00	7.98	0.00	24.27	0.00	29	0	70	0	25,607	78,491	0	0	-52,884
6170-00-70	642+00	100.00	7.01	0.00	28.97	0.00	28	0	99	0	25,635	78,615	0	0	-52,980
6170-00-70	643+00	100.00	8.36	0.00	10.42	0.00	28	0	73	0	25,663	78,706	0	0	-53,043
6170-00-70	644+00	100.00	10.12	0.00	5.27	0.00	34	0	29	0	25,697	78,743	0	0	-53,046
6170-00-70	645+00	100.00	23.57	0.00	1.84	0.00	62	0	13	0	25,759	78,759	0	0	-53,000
6170-00-70	646+00	100.00	10.25	0.00	4.98	0.00	63	0	13	0	25,822	78,775	0	0	-52,953
6170-00-70	647+00	100.00	7.44	0.00	14.36	0.00	33	0	36	0	25,855	78,820	0	0	-52,965
6170-00-70	648+00	100.00	7.41	0.00	16.79	0.00	27	0	58	0	25,882	78,893	0	0	-53,011
6170-00-70	649+00	100.00	4.68	0.00	4.03	0.00	22	0	39	0	25,904	78,941	0	0	-53,037
6170-00-70	650+00	100.00	7.31	0.00	15.44	0.00	22	0	36	0	25,926	78,986	0	0	-53,060
6170-00-70	651+00	100.00	6.07	0.00	24.29	0.00	25	0	74	0	25,951	79,079	0	0	-53,128
6170-00-70	652+00	100.00	7.72	0.00	18.95	0.00	26	0	80	0	25,977	79,179	0	0	-53,202
6170-00-70	653+00	100.00	9.48	0.00	12.08	0.00	32	0	57	0	26,009	79,250	0	0	-53,241
6170-00-70	654+00	100.00	13.75	0.00	13.03	0.00	43	0	46	0	26,052	79,308	0	0	-53,256
6170-00-70	655+00	100.00	8.17	0.00	29.57	0.00	41	0	79	0	26,093	79,406	0	0	-53,313
6170-00-70	656+00	100.00	13.02	0.00	1.23	0.00	39	0	57	0	26,132	79,478	0	0	-53,346
6170-00-70	657+00	100.00	10.43	0.00	16.35	0.00	43	0	33	0	26,175	79,519	0	0	-53,344
6170-00-70	658+00	100.00	8.29	0.00	17.21	0.00	35	0	62	0	26,210	79,596	0	0	-53,386
6170-00-70	659+00	100.00	11.98	0.00	5.46	0.00	38	0	42	0	26,248	79,649	0	0	-53,401
6170-00-70	660+00	100.00	8.88	0.00	8.60	0.00	39	0	26	0	26,287	79,681	0	0	-53,394
6170-00-70	661+00	100.00	17.59	0.00	8.79	0.00	49	0	32	0	26,336	79,721	0	0	-53,385
6170-00-70	662+00	100.00	14.37	0.00	7.37	0.00	59	0	30	0	26,395	79,759	0	0	-53,364
6170-00-70	663+00	100.00	10.89	0.00	9.54	0.00	47	0	31	0	26,442	79,798	0	0	-53,356
6170-00-70	664+00	100.00	7.98	0.00	18.53	0.00	35	0	52	0	26,477	79,863	0	0	-53,386
6170-00-70	665+00	100.00	10.26	0.00	15.20	0.00	34	0	62	0	26,511	79,940	0	0	-53,429
6170-00-70	666+00	100.00	10.28	0.00	9.76	0.00	38	0	46	0	26,549	79,998	0	0	-53,449
6170-00-70	667+00	100.00	12.88	0.00	5.37	0.00	43	0	28	0	26,592	80,033	0	0	-53,441
6170-00-70	668+00	100.00	4.65	0.00	6.71	0.00	32	0	22	0	26,624	80,060	0	0	-53,436
6170-00-70	669+00	100.00	7.34	0.00	11.15	0.00	22	0	33	0	26,646	80,101	0	0	-53,455
6170-00-70	670+00	100.00	7.94	0.00	13.91	0.00	28	0	46	0	26,674	80,159	0	0	-53,485
6170-00-70	671+00	100.00	8.13	0.00	12.42	0.00	30	0	49	0	26,704	80,220	0	0	-53,516
6170-00-70	672+00	100.00	7.57	0.00	14.94	0.00	29	0	51	0	26,733	80,284	0	0	-53,551
6170-00-70	673+00	100.00	6.90	0.00	19.63	0.00	27	0	64	0	26,760	80,364	0	0	-53,604
6170-00-70	674+00	100.00	7.06	0.00	20.96	0.00	26	0	75	0	26,786	80,458	0	0	-53,672
6170-00-70	675+00	100.00	8.72	0.00	16.35	0.00	29	0	69	0	26,815	80,544	0	0	-53,729
6170-00-70	676+00	100.00	7.50	0.00	15.81	0.00	30	0	60	0	26,845	80,619	0	0	-53,774
6170-00-70	677+00	100.00	8.16	0.00	19.77	0.00	29	0	66	0	26,874	80,701	0	0	-53,827
6170-00-70	678+00	100.00	7.85	0.00	22.18	0.00	30	0	78	0	26,904	80,799	0	0	-53,895
6170-00-70	679+00	100.00	7.55	0.00	32.27	0.00	29	0	101	0	26,933	80,925	0	0	-53,992

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	680+00	100.00	9.23	0.00	10.36	0.00	31	0	79	0	26,964	81,024	0	0	-54,060
6170-00-70	681+00	100.00	10.65	0.00	3.80	0.00	37	0	26	0	27,001	81,056	0	0	-54,055
6170-00-70	682+00	100.00	7.78	0.00	42.05	0.00	34	0	85	0	27,035	81,163	0	0	-54,128
6170-00-70	683+00	100.00	19.82	0.00	22.85	0.00	51	0	120	0	27,086	81,313	0	0	-54,227
6170-00-70	684+00	100.00	9.34	0.00	23.42	0.00	54	0	86	0	27,140	81,420	0	0	-54,280
6170-00-70	685+00	100.00	9.50	0.00	9.07	0.00	35	0	60	0	27,175	81,495	0	0	-54,320
6170-00-70	686+00	100.00	10.14	0.00	8.60	0.00	36	0	33	0	27,211	81,536	0	0	-54,325
6170-00-70	687+00	100.00	10.84	0.00	10.35	0.00	39	0	35	0	27,250	81,580	0	0	-54,330
6170-00-70	688+00	100.00	10.55	0.00	9.52	0.00	40	0	37	0	27,290	81,626	0	0	-54,336
6170-00-70	689+00	100.00	17.53	0.00	8.74	0.00	52	0	34	0	27,342	81,669	0	0	-54,327
6170-00-70	690+00	100.00	14.10	0.00	9.51	0.00	59	0	34	0	27,401	81,711	0	0	-54,310
6170-00-70	691+00	100.00	19.20	0.00	2.70	0.00	62	0	23	0	27,463	81,740	0	0	-54,277
6170-00-70	692+00	100.00	18.00	0.00	0.72	0.00	69	0	6	0	27,532	81,748	0	0	-54,216
6170-00-70	692+51	51.00	26.22	0.00	0.00	0.00	42	0	1	0	27,574	81,749	0	0	-54,175

NOTES:	
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3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

9

9

PROJECT NO: 6170-00-70/74 | HWY: STH 21 | COUNTY: WAUSHARA | EARTHWORK DATA | SHEET 391 | E

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-74	220+00	0.00	67.67	15.06	1.53	0.00	0	0	0	0	0	0	0	0	0
6170-00-74	221+00	100.00	61.28	15.06	9.68	0.00	239	56	21	0	239	26	0	0	157
6170-00-74	222+00	100.00	106.39	15.06	0.68	0.00	311	56	19	0	550	50	0	0	388
6170-00-74	223+00	100.00	174.42	15.06	0.00	0.00	520	56	1	0	1,070	51	0	0	851
6170-00-74	224+00	100.00	270.94	15.06	0.00	0.00	825	56	0	0	1,895	51	0	0	1,620
6170-00-74	225+00	100.00	315.94	15.06	0.00	80.25	1,087	56	0	149	2,982	-98	194	119	2,606
6170-00-74	226+00	100.00	463.38	15.06	0.00	160.50	1,443	56	0	446	4,425	-544	774	476	3,859
6170-00-74	227+00	100.00	599.69	15.06	0.00	160.50	1,969	56	0	594	6,394	-1,138	1,546	951	5,594
6170-00-74	228+00	100.00	851.70	15.06	0.00	160.50	2,688	56	0	594	9,082	-1,732	2,318	1,426	8,048
6170-00-74	229+00	100.00	1167.81	15.06	0.00	80.25	3,740	56	0	446	12,822	-2,178	2,898	1,783	11,598
6170-00-74	230+00	100.00	1502.30	15.06	0.00	0.00	4,945	56	0	149	17,767	-2,327	3,091	1,902	16,442
6170-00-74	231+00	100.00	2874.82	15.06	0.00	0.00	8,106	56	0	0	25,873	-2,327	3,091	1,902	24,492
6170-00-74	232+00	100.00	4411.30	15.06	0.00	0.00	13,493	56	0	0	39,366	-2,327	3,091	1,902	37,929
6170-00-74	233+00	100.00	3005.85	15.06	0.00	0.00	13,735	56	0	0	53,101	-2,327	3,091	1,902	51,608
6170-00-74	234+00	100.00	1682.24	16.71	0.00	0.00	8,682	59	0	0	61,783	-2,327	3,091	1,902	60,231
6170-00-74	235+00	100.00	965.33	18.33	0.00	90.75	4,903	65	0	168	66,686	-2,495	3,310	2,037	65,019
6170-00-74	236+00	100.00	659.45	18.87	0.00	181.50	3,009	69	0	504	69,695	-2,999	3,965	2,440	67,808
6170-00-74	237+00	100.00	387.40	20.68	0.00	181.50	1,939	73	0	672	71,634	-3,671	4,839	2,978	69,472
6170-00-74	238+00	100.00	205.71	30.78	0.09	186.00	1,098	95	0	681	72,732	-4,352	5,724	3,522	70,271
6170-00-74	239+00	100.00	95.93	18.36	68.37	88.50	559	91	127	508	73,291	-4,701	6,384	3,929	70,428
6170-00-74	240+00	100.00	68.00	15.06	6.70	0.00	304	62	139	164	73,595	-4,691	6,598	4,060	70,447
6170-00-74	241+00	100.00	53.58	15.06	7.18	0.00	225	56	26	0	73,820	-4,659	6,598	4,060	70,583
6170-00-74	242+00	100.00	50.10	15.06	10.85	0.00	192	56	33	0	74,012	-4,618	6,598	4,060	70,678
6170-00-74	243+00	100.00	50.07	15.06	15.80	0.00	185	56	49	0	74,197	-4,556	6,598	4,060	70,746
6170-00-74	244+00	100.00	50.54	15.06	15.77	0.00	186	56	58	0	74,383	-4,484	6,598	4,060	70,803
6170-00-74	245+00	100.00	56.16	15.06	11.70	0.00	198	56	51	0	74,581	-4,420	6,598	4,060	70,882

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	09+50"A"	0.00	0.00	0.00	3.80	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+75"A"	25.00	0.00	0.00	0.00	0.00	0	0	2	0	0	3	0	0	-3

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	08+50"B"	0.00	0.20	0.00	0.42	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	08+75"B"	25.00	0.73	0.00	0.37	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+00"B"	25.00	0.00	0.00	0.14	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+25"B"	25.00	0.00	0.00	0.67	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+50"B"	25.00	0.00	0.00	0.03	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+75"B"	25.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	08+70"C"	0.00	0.45	0.00	3.05	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	08+75"C"	5.00	0.43	0.00	3.14	0.00	0	0	1	0	0	1	0	0	-1
6170-00-70	09+00"C"	25.00	0.00	0.00	5.72	0.00	0	0	4	0	0	6	0	0	-6
6170-00-70	09+25"C"	25.00	0.00	0.00	7.86	0.00	0	0	6	0	0	14	0	0	-14
6170-00-70	09+50"C"	25.00	0.00	0.00	11.13	0.00	0	0	9	0	0	25	0	0	-25
6170-00-70	09+75"C"	25.00	0.00	0.00	0.00	0.00	0	0	5	0	0	31	0	0	-31

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.30	0.80	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
6170-00-70	10+25"C"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"C"	25.00	19.52	0.00	0.00	0.00	9	0	0	0	9	0	0	0	9
6170-00-70	10+75"C"	25.00	30.93	0.00	0.00	0.00	23	0	0	0	32	0	0	0	32
6170-00-70	10+90"C"	15.00	5.17	0.00	0.00	0.00	10	0	0	0	42	0	0	0	42

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"D"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"D"	25.00	0.00	0.00	1.42	0.00	0	0	1	0	0	1	0	0	-1
6170-00-70	10+75"D"	25.00	0.00	0.00	15.71	0.00	0	0	8	0	0	11	0	0	-11
6170-00-70	11+00"D"	25.00	3.51	0.00	0.36	0.00	2	0	7	0	2	20	0	0	-18
6170-00-70	11+25"D"	25.00	0.00	0.00	0.55	0.00	2	0	0	0	4	20	0	0	-16
6170-00-70	11+50"D"	25.00	0.00	0.00	0.54	0.00	0	0	1	0	4	21	0	0	-17
6170-00-70	11+75"D"	25.00	0.00	0.00	0.04	0.00	0	0	0	0	4	21	0	0	-17
6170-00-70	11+80"D"	5.00	0.00	0.00	0.82	0.00	0	0	0	0	4	21	0	0	-17

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"E"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"E"	25.00	0.00	0.00	0.03	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+75"E"	25.00	0.24	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	11+00"E"	25.00	0.94	0.00	0.00	0.00	1	0	0	0	1	0	0	0	1

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"F"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"F"	25.00	0.00	0.00	4.05	0.00	0	0	2	0	0	3	0	0	-3
6170-00-70	10+75"F"	25.00	0.00	0.00	0.03	0.00	0	0	2	0	0	5	0	0	-5
6170-00-70	11+00"F"	25.00	0.53	0.00	0.00	0.00	0	0	0	0	0	5	0	0	-5
6170-00-70	11+10"F"	10.00	0.59	0.00	0.00	0.00	0	0	0	0	0	5	0	0	-5

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	08+60"G"	0.00	0.00	0.00	1.13	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	08+75"G"	15.00	0.00	0.00	1.49	0.00	0	0	1	0	0	1	0	0	-1
6170-00-70	09+00"G"	25.00	0.00	0.00	4.66	0.00	0	0	3	0	0	5	0	0	-5
6170-00-70	09+25"G"	25.00	0.00	0.00	6.70	0.00	0	0	5	0	0	11	0	0	-11
6170-00-70	09+50"G"	25.00	0.00	0.00	12.49	0.00	0	0	9	0	0	23	0	0	-23
6170-00-70	09+75"G"	25.00	0.00	0.00	0.00	0.00	0	0	6	0	0	30	0	0	-30

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"G"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"G"	25.00	32.20	0.00	5.09	0.00	15	0	2	0	15	3	0	0	13
6170-00-70	10+75"G"	25.00	17.21	0.00	0.00	0.00	23	0	2	0	38	5	0	0	33
6170-00-70	11+00"G"	25.00	1.49	0.00	0.00	0.00	9	0	0	0	47	5	0	0	42

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	09+00"H"	0.00	1.59	0.00	0.03	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+25"H"	25.00	0.22	0.00	0.11	0.00	1	0	0	0	1	0	0	0	1
6170-00-70	09+50"H"	25.00	0.95	0.00	0.00	0.00	1	0	0	0	2	0	0	0	2
6170-00-70	09+75"H"	25.00	0.00	0.00	0.00	0.00	0	0	0	0	2	0	0	0	2

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"H"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"H"	25.00	3.60	0.00	0.00	0.00	2	0	0	0	2	0	0	0	2
6170-00-70	10+75"H"	25.00	0.01	0.00	0.21	0.00	2	0	0	0	4	0	0	0	4
6170-00-70	11+00"H"	25.00	0.60	0.00	0.05	0.00	0	0	0	0	4	0	0	0	4

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-74	06+50"I"	0.00	32.42	7.26	8.29	0.00	0	0	0	0	0	0	0	0	0
6170-00-74	06+75"I"	25.00	30.98	7.26	6.69	0.00	29	7	7	0	29	9	0	0	13
6170-00-74	07+00"I"	25.00	31.29	7.26	9.61	0.00	29	7	8	0	58	19	0	0	25
6170-00-74	07+25"I"	25.00	36.66	7.26	10.89	0.00	31	7	9	0	89	30	0	0	38
6170-00-74	07+50"I"	25.00	44.65	7.26	11.12	0.00	38	7	10	0	127	43	0	0	57
6170-00-74	07+75"I"	25.00	51.70	7.26	10.40	0.00	45	7	10	0	172	55	0	0	82
6170-00-74	08+00"I"	25.00	58.07	7.26	12.28	0.00	51	7	10	0	223	68	0	0	114
6170-00-74	08+25"I"	25.00	64.76	7.26	15.09	0.00	57	7	13	0	280	84	0	0	147
6170-00-74	08+50"I"	25.00	80.45	7.26	19.17	0.00	67	7	16	0	347	104	0	0	187
6170-00-74	08+75"I"	25.00	77.22	7.92	27.08	0.00	73	7	21	0	420	130	0	0	227
6170-00-74	09+00"I"	25.00	84.04	8.58	38.30	0.00	75	8	30	0	495	168	0	0	257
6170-00-74	09+25"I"	25.00	41.62	9.57	48.62	0.00	58	8	40	0	553	218	0	0	257
6170-00-74	09+50"I"	25.00	64.81	11.55	36.16	0.00	49	10	39	0	602	266	0	0	247
6170-00-74	09+75"I"	25.00	44.17	7.92	0.00	0.00	50	9	17	0	652	288	0	0	267
6170-00-74	10+25"I"	0.00	48.20	7.92	0.00	0.00	0	0	0	0	652	288	0	0	267
6170-00-74	10+50"I"	25.00	68.88	7.92	31.36	0.00	54	7	15	0	706	306	0	0	295
6170-00-74	10+75"I"	25.00	57.87	7.26	8.61	0.00	59	7	19	0	765	330	0	0	323
6170-00-74	11+00"I"	25.00	43.24	7.26	1.83	0.00	47	7	5	0	812	336	0	0	357
6170-00-74	11+25"I"	25.00	36.96	7.26	0.35	0.00	37	7	1	0	849	338	0	0	386
6170-00-74	11+50"I"	25.00	28.94	7.26	0.33	0.00	31	7	0	0	880	338	0	0	410
6170-00-74	11+75"I"	25.00	32.02	7.26	0.16	0.00	28	7	0	0	908	338	0	0	431
6170-00-74	12+00"I"	25.00	47.30	7.26	0.15	0.00	37	7	0	0	945	338	0	0	461

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"J"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"J"	25.00	58.83	0.00	14.97	0.00	27	0	7	0	27	9	0	0	18
6170-00-70	10+75"J"	25.00	43.56	0.00	11.20	0.00	47	0	12	0	74	24	0	0	50
6170-00-70	11+00"J"	25.00	22.28	0.00	7.85	0.00	30	0	9	0	104	35	0	0	69
6170-00-70	11+25"J"	25.00	12.41	0.00	6.72	0.00	16	0	7	0	120	44	0	0	76
6170-00-70	11+30"J"	5.00	11.12	0.00	6.79	0.00	2	0	1	0	122	45	0	0	77

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	08+50"K"	0.00	0.00	0.00	0.38	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	08+75"K"	25.00	0.00	0.00	0.39	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+00"K"	25.00	0.42	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+25"K"	25.00	9.26	0.00	8.26	0.00	4	0	4	0	4	5	0	0	-1
6170-00-70	09+50"K"	25.00	16.34	0.00	8.13	0.00	12	0	8	0	16	15	0	0	1
6170-00-70	09+75"K"	25.00	0.00	0.00	0.00	0.00	8	0	4	0	24	20	0	0	4

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"L"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"L"	25.00	1.04	0.00	47.21	0.00	0	0	22	0	0	28	0	0	-28
6170-00-70	10+75"L"	25.00	17.83	0.00	37.01	0.00	9	0	39	0	9	76	0	0	-67
6170-00-70	11+00"L"	25.00	13.44	0.00	20.05	0.00	14	0	26	0	23	109	0	0	-86
6170-00-70	11+25"L"	25.00	7.07	0.00	5.49	0.00	9	0	12	0	32	124	0	0	-92
6170-00-70	11+50"L"	25.00	7.87	0.00	0.09	0.00	7	0	3	0	39	128	0	0	-89
6170-00-70	11+75"L"	25.00	5.46	0.00	0.00	0.00	6	0	0	0	45	128	0	0	-83
6170-00-70	12+00"L"	25.00	9.23	0.00	0.00	0.00	7	0	0	0	52	128	0	0	-76

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	09+00"M"	0.00	3.73	0.00	10.13	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+25"M"	25.00	19.31	0.00	2.68	0.00	11	0	6	0	11	8	0	0	4
6170-00-70	09+50"M"	25.00	14.66	0.00	1.41	0.00	16	0	2	0	27	10	0	0	17
6170-00-70	09+75"M"	25.00	0.00	0.00	0.00	0.00	7	0	1	0	34	11	0	0	23

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	09+00"N"	0.00	1.33	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+25"N"	25.00	3.83	0.00	2.50	0.00	2	0	1	0	2	1	0	0	1
6170-00-70	09+50"N"	25.00	12.44	0.00	14.51	0.00	8	0	8	0	10	11	0	0	-1
6170-00-70	09+75"N"	25.00	0.00	0.00	0.00	0.00	6	0	7	0	16	20	0	0	-4

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	08+70"O"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	08+75"O"	5.00	0.00	0.00	1.24	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+00"O"	25.00	6.64	0.00	2.62	0.00	3	0	2	0	3	3	0	0	1
6170-00-70	09+25"O"	25.00	0.00	0.00	5.22	0.00	3	0	4	0	6	8	0	0	-2
6170-00-70	09+50"O"	25.00	0.00	0.00	7.28	0.00	0	0	6	0	6	15	0	0	-9
6170-00-70	09+75"O"	25.00	0.00	0.00	0.00	0.00	0	0	3	0	6	19	0	0	-13

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"P"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"P"	25.00	22.07	0.00	22.22	0.00	10	0	10	0	10	13	0	0	-3
6170-00-70	10+75"P"	25.00	9.60	0.00	3.03	0.00	15	0	12	0	25	28	0	0	-3
6170-00-70	11+00"P"	25.00	0.06	0.00	0.14	0.00	4	0	1	0	29	29	0	0	0

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	08+70"Q"	0.00	0.20	0.00	0.03	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	08+75"Q"	5.00	0.18	0.00	0.04	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+00"Q"	25.00	0.00	0.00	0.52	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+25"Q"	25.00	11.59	0.00	1.17	0.00	5	0	1	0	5	1	0	0	4
6170-00-70	09+50"Q"	25.00	47.56	0.00	3.59	0.00	27	0	2	0	32	4	0	0	28
6170-00-70	09+75"Q"	25.00	0.00	0.00	0.00	0.00	22	0	2	0	54	6	0	0	48

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

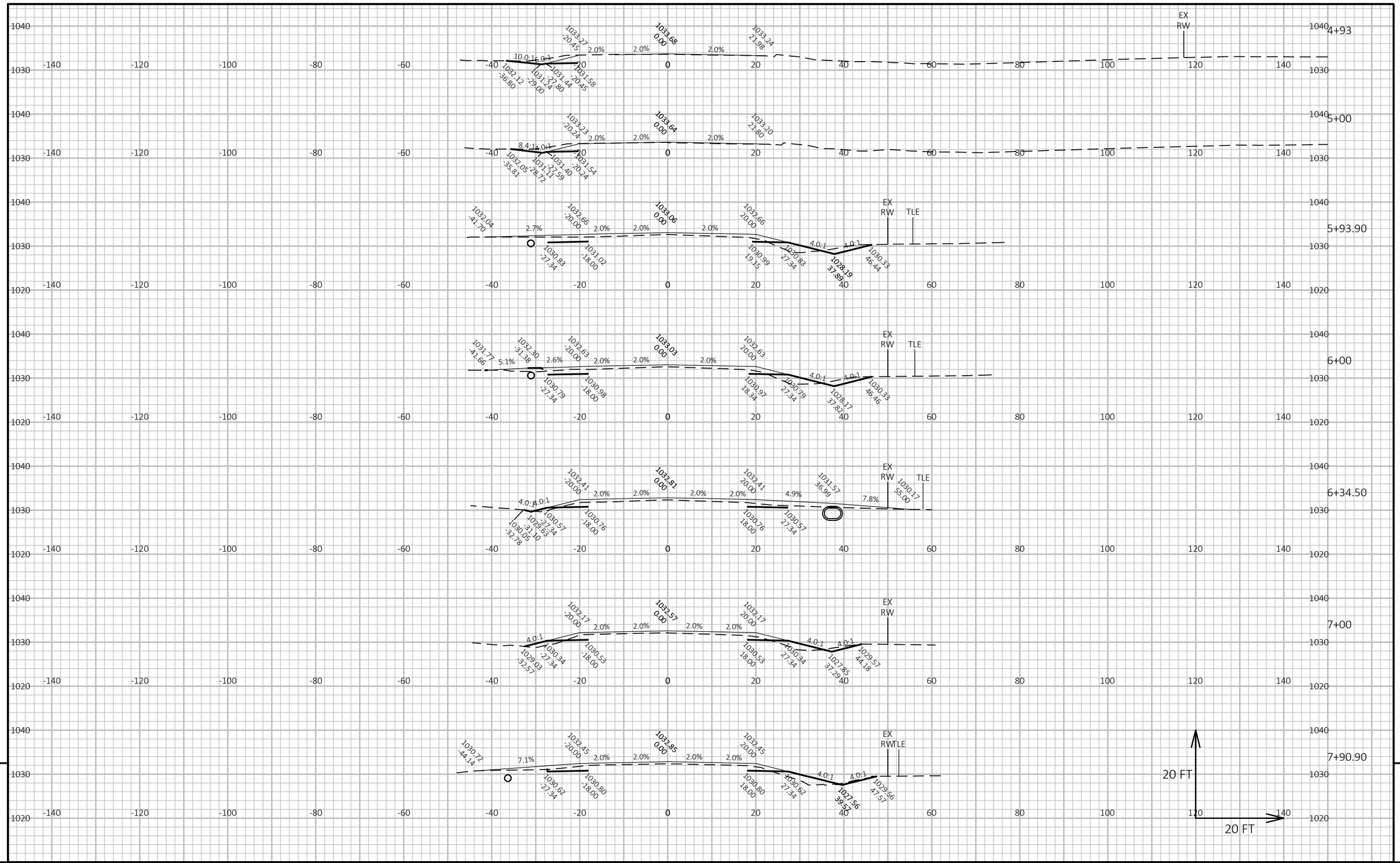
PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	09+00"R"	0.00	0.00	0.00	6.30	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+25"R"	25.00	0.00	0.00	6.11	0.00	0	0	6	0	0	8	0	0	-8
6170-00-70	09+50"R"	25.00	0.00	0.00	0.46	0.00	0	0	3	0	0	11	0	0	-11
6170-00-70	09+75"R"	25.00	0.00	0.00	0.00	0.00	0	0	0	0	0	11	0	0	-11

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"S"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"S"	25.00	0.00	0.00	11.27	0.00	0	0	5	0	0	6	0	0	-6
6170-00-70	10+75"S"	25.00	0.00	0.00	2.71	0.00	0	0	6	0	0	14	0	0	-14
6170-00-70	11+00"S"	25.00	0.05	0.00	0.41	0.00	0	0	1	0	0	15	0	0	-15
6170-00-70	11+10"S"	10.00	0.06	0.00	0.34	0.00	0	0	0	0	0	15	0	0	-15

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	10+25"T"	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+50"T"	25.00	0.00	0.00	0.62	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	10+75"T"	25.00	0.62	0.00	0.13	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	11+00"T"	25.00	0.00	0.00	0.40	0.00	0	0	0	0	0	0	0	0	0

PROJECT ID	STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.30 NOTE 4	0.80 NOTE 5	NOTE 6
6170-00-70	08+70"U"	0.00	0.07	0.00	0.02	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	08+75"U"	5.00	0.17	0.00	0.03	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+00"U"	25.00	0.00	0.00	0.33	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+25"U"	25.00	0.00	0.00	0.68	0.00	0	0	0	0	0	0	0	0	0
6170-00-70	09+50"U"	25.00	0.00	0.00	1.18	0.00	0	0	1	0	0	1	0	0	-1
6170-00-70	09+75"U"	25.00	0.00	0.00	0.00	0.00	0	0	1	0	0	3	0	0	-3

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH GRANULAR MATERIAL EXCAVATED FROM PROJECT
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[(CUT - SALVAGED PAVT - EXPANDED EBS) - ((FILL - REDUCED EBS IN FILL) * FILL FACTOR)]

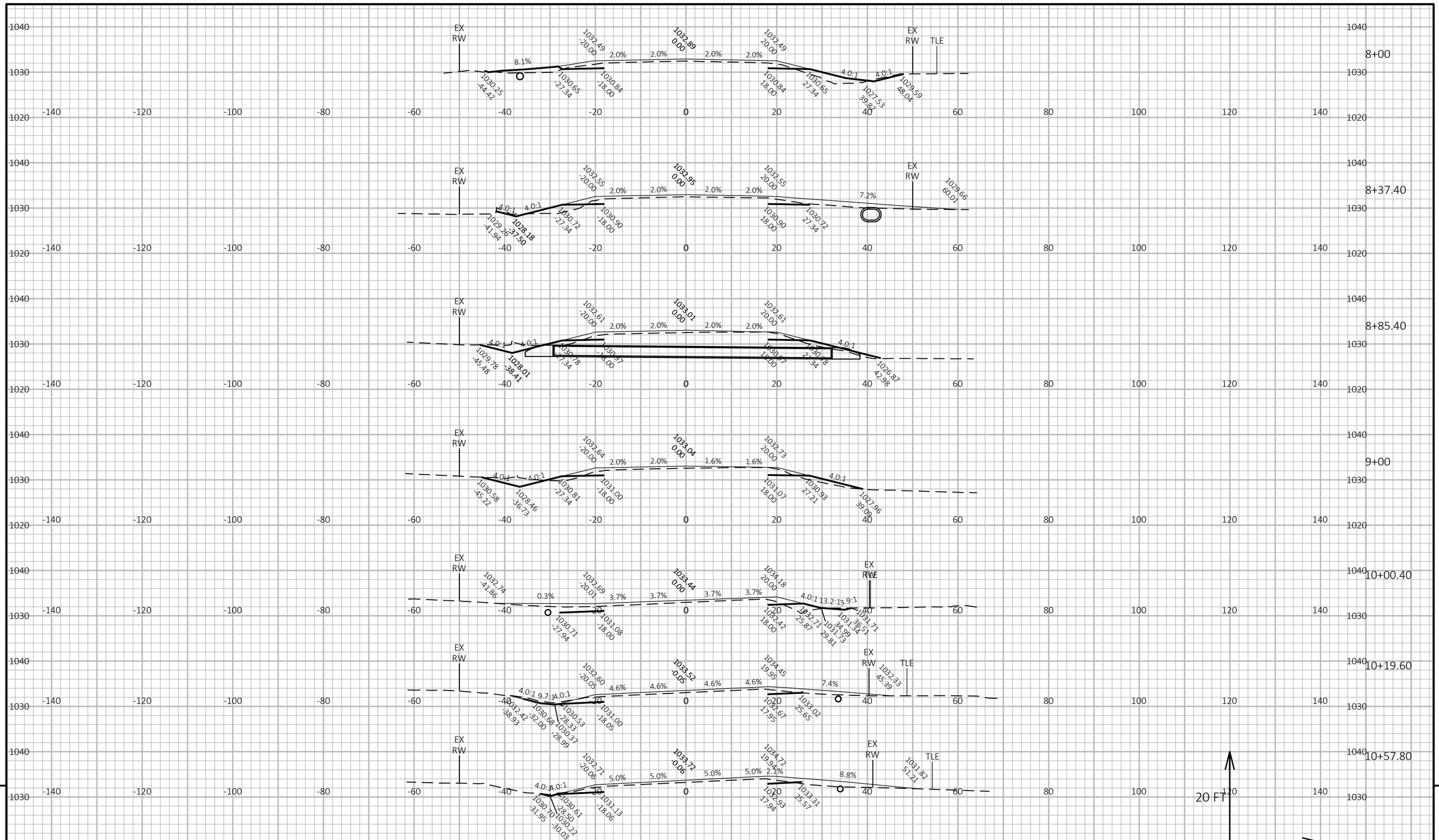


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 400	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 1

PLOT DATE : 7/19/2022 10:53 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

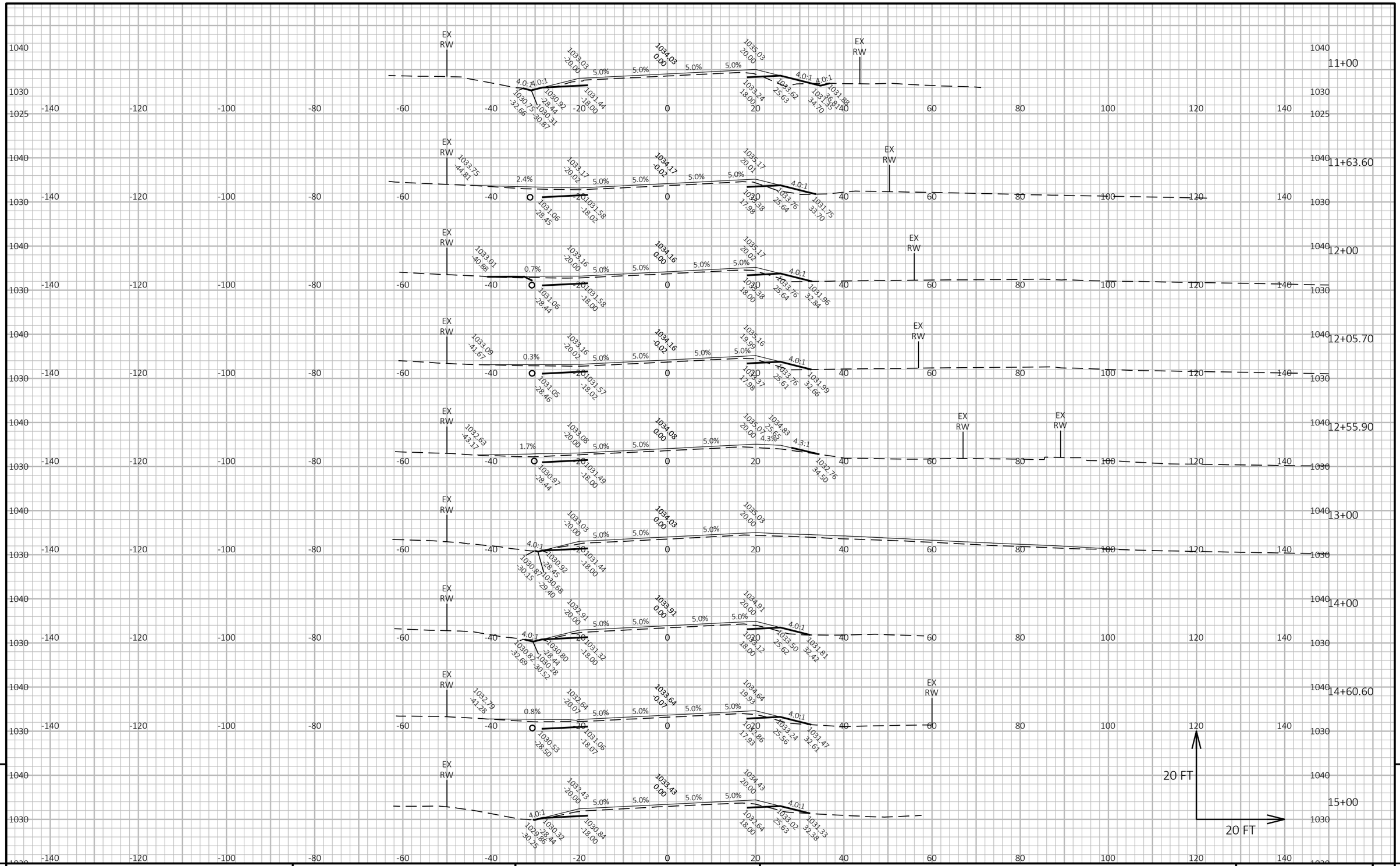
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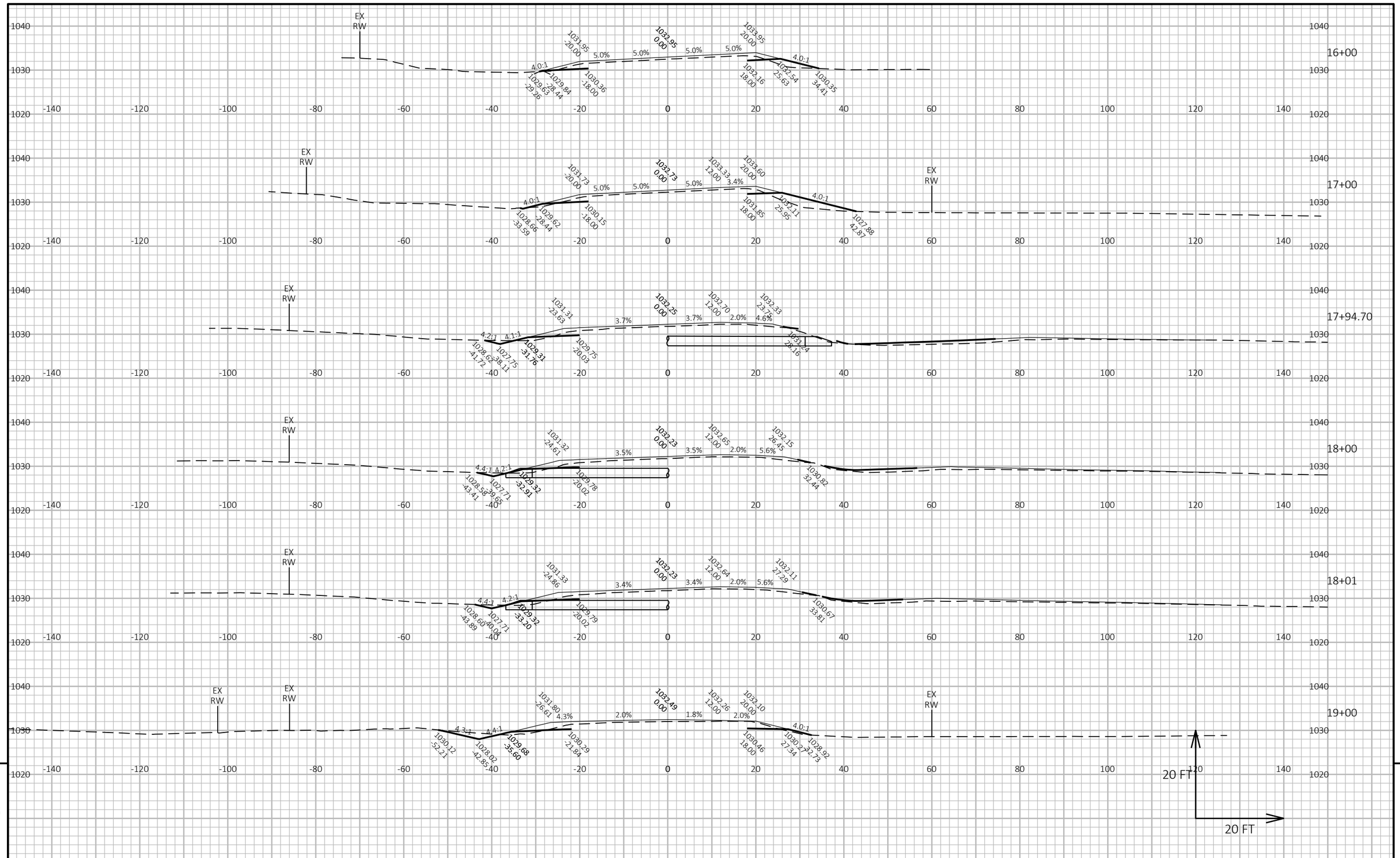
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 401	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 2

PLOT DATE : 7/19/2022 10:53 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49


11+00
11+63.60
12+00
12+05.70
12+55.90
13+00
14+00
14+60.60
15+00
EX RW
1033.03 -20.00
1034.03 0.00
1035.03 20.00
1033.24 18.00
1033.62 25.63
1031.88 34.70
1030.75 -32.66
1030.31 -30.87
1030.92 -28.44
1031.44 -18.00
1033.75 -44.81
1033.17 -20.02
1034.17 -0.02
1035.17 20.01
1033.38 17.98
1033.76 25.64
1031.75 35.70
1031.06 -28.45
1031.58 -18.02
1033.01 -40.88
1033.16 -20.00
1034.16 0.00
1035.17 20.02
1033.38 18.00
1033.76 25.64
1031.96 32.84
1031.06 -28.44
1031.58 -18.00
1033.09 -41.67
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1034.16 -0.02
1035.16 19.99
1033.37 17.98
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1035.07 20.00
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1031.49 -18.00
1033.03 -20.00
1034.03 0.00
1035.03 20.00
1030.87 -30.15
1030.68 -29.40
1030.92 -28.45
1031.44 -18.00
1032.91 -20.00
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1033.12 18.00
1033.50 25.62
1031.81 32.42
1030.82 -32.69
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1030.80 -28.44
1031.32 -18.00
1032.79 -41.28
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1033.86 17.93
1033.24 25.56
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1030.53 -28.30
1031.06 -18.07
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1033.43 0.00
1034.43 20.00
1033.64 18.00
1033.02 25.63
1031.33 32.38
1029.86 -30.25
1030.32 -28.44
1030.84 -18.00
4.0:1
5.0%
2.4%
0.7%
0.3%
0.8%
1.7%
4.3:1
20 FT
PROJECT NO: 6170-00-70/74
HWY: STH 21
COUNTY: WAUSHARA
CROSS SECTIONS: STH 21
SHEET 402 E
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 3
PLOT DATE : 7/19/2022 10:54 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

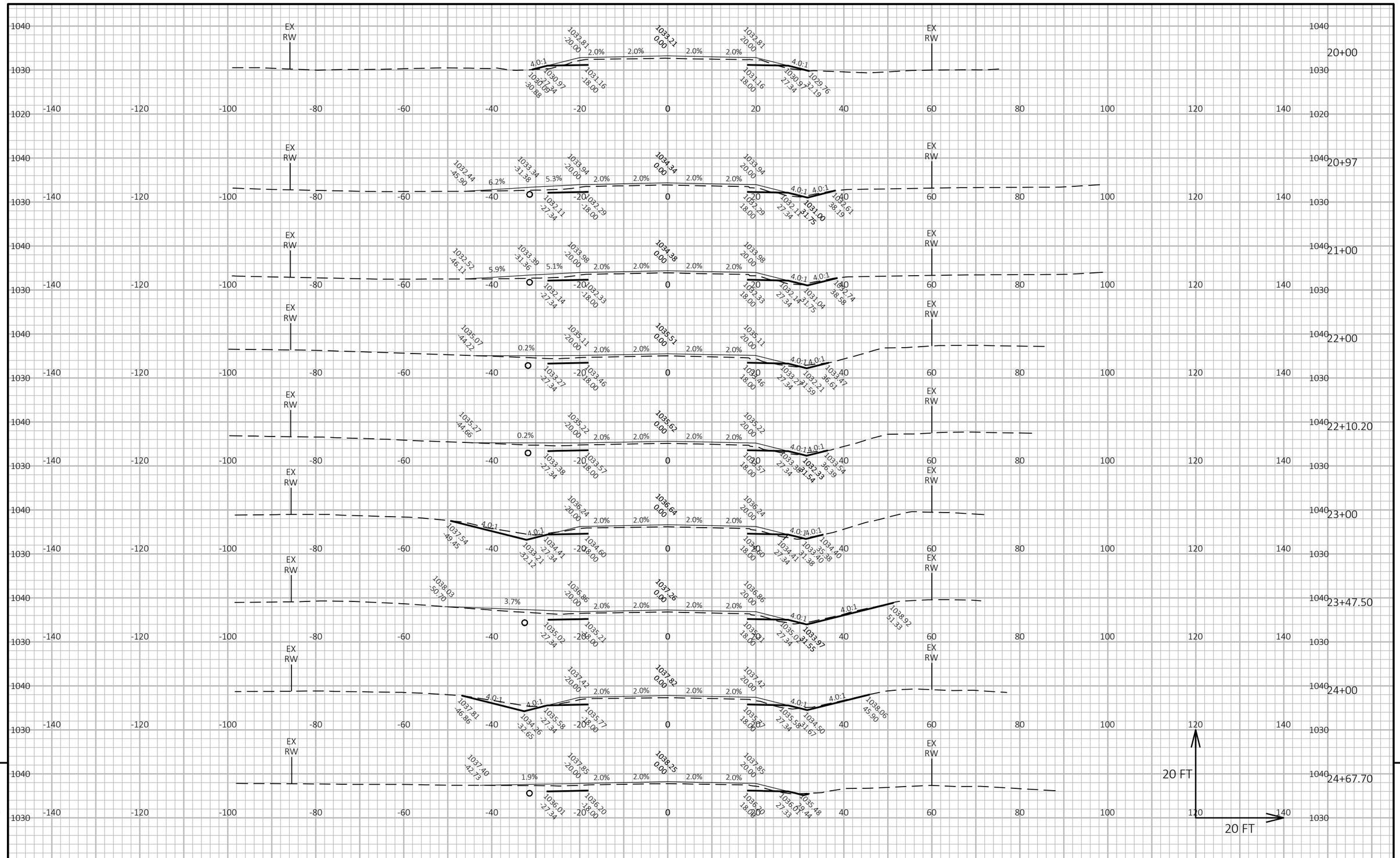


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 403	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 4

PLOT DATE : 7/19/2022 10:54 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

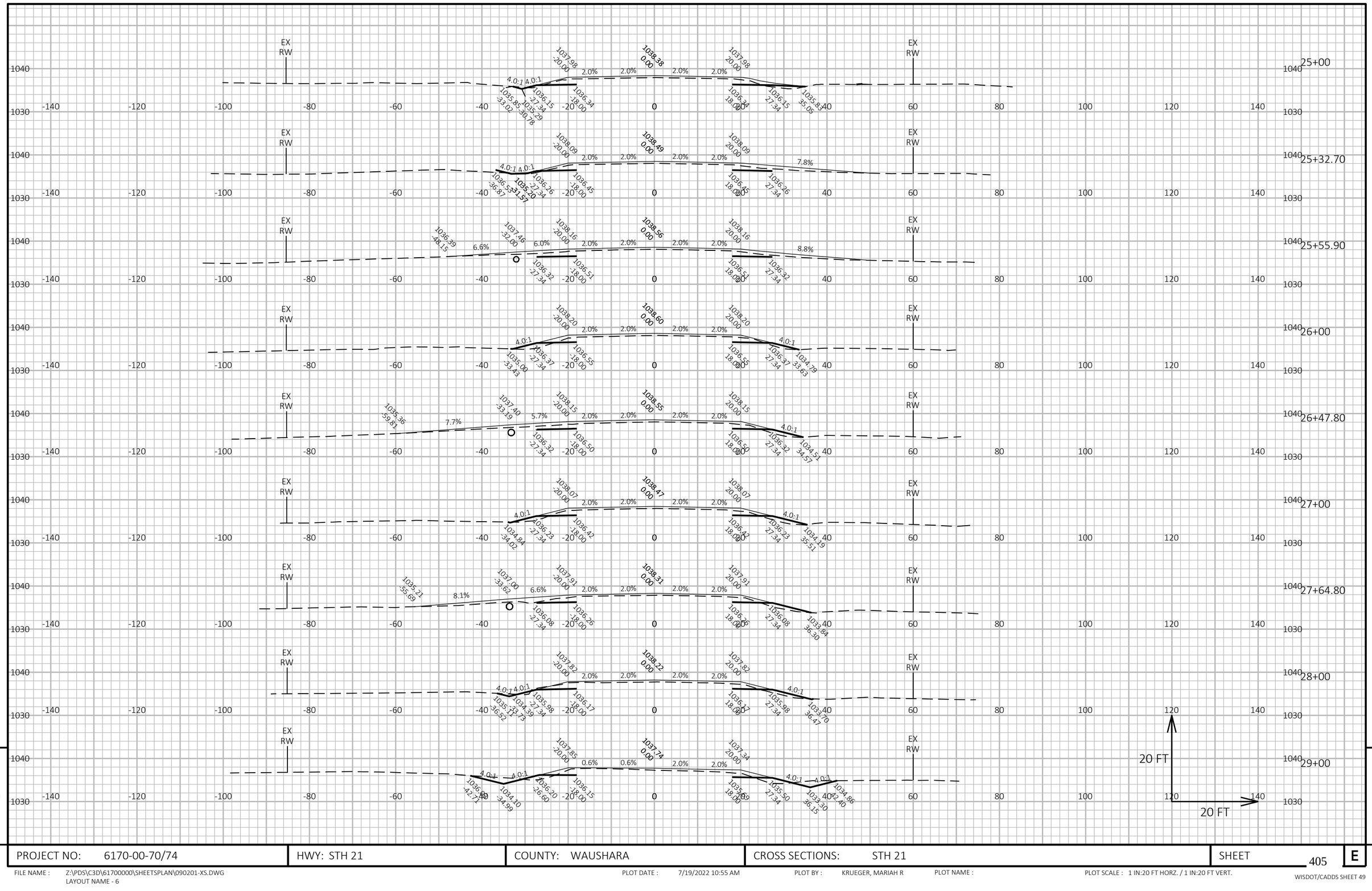


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 404 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 5

PLOT DATE : 7/19/2022 10:55 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

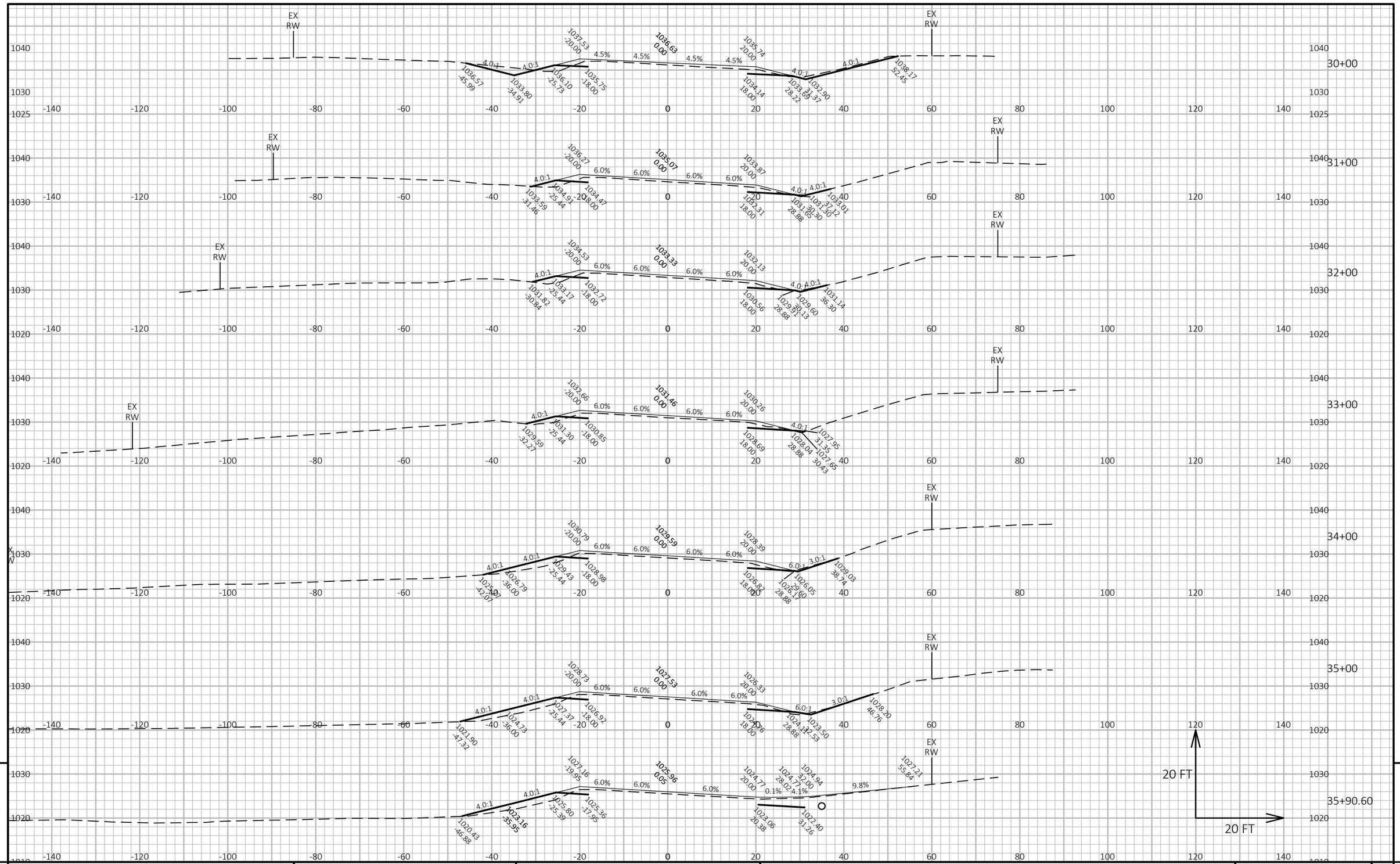
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 405	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 6

PLOT DATE : 7/19/2022 10:55 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

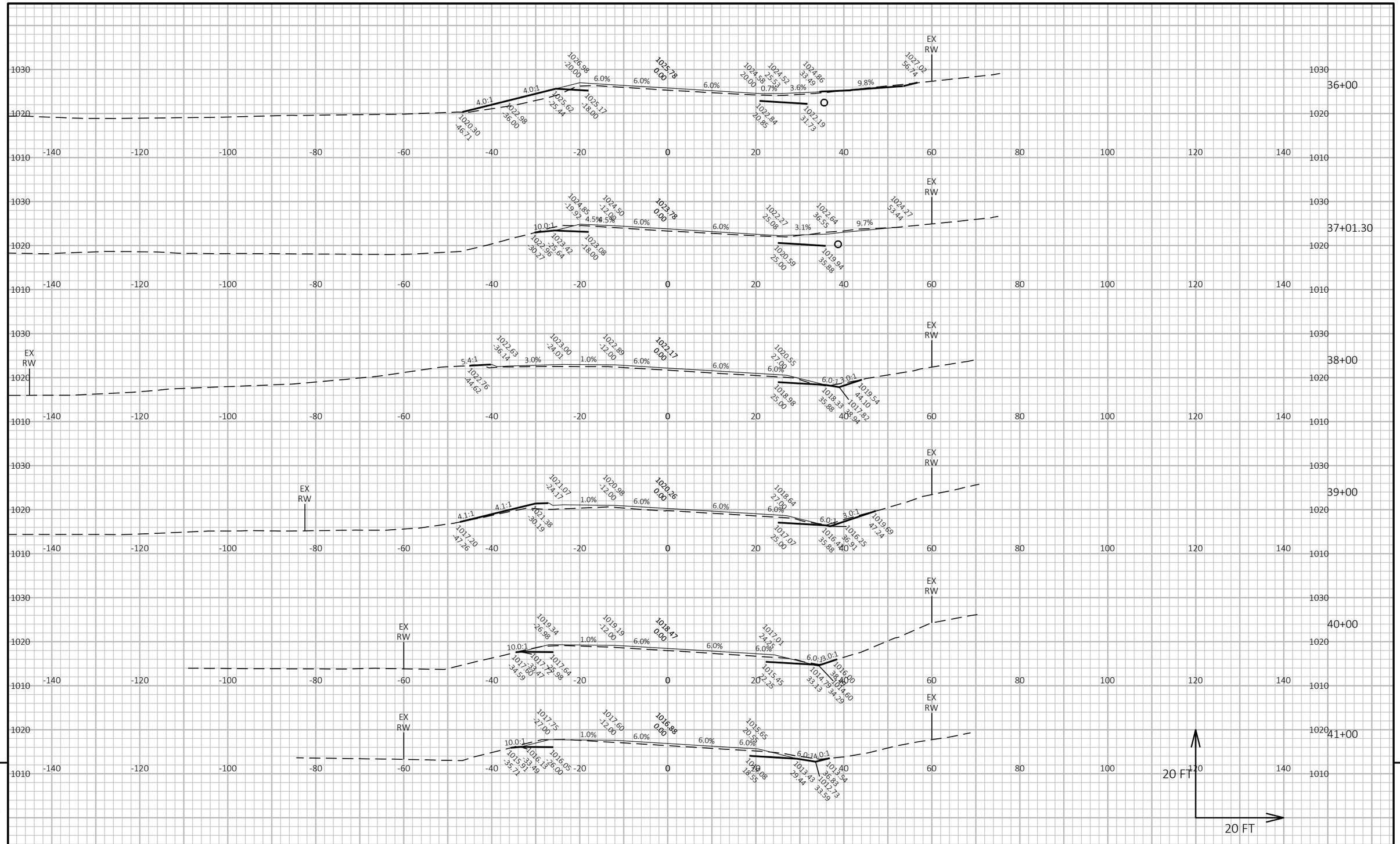
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 406	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 7

PLOT DATE : 7/19/2022 10:56 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



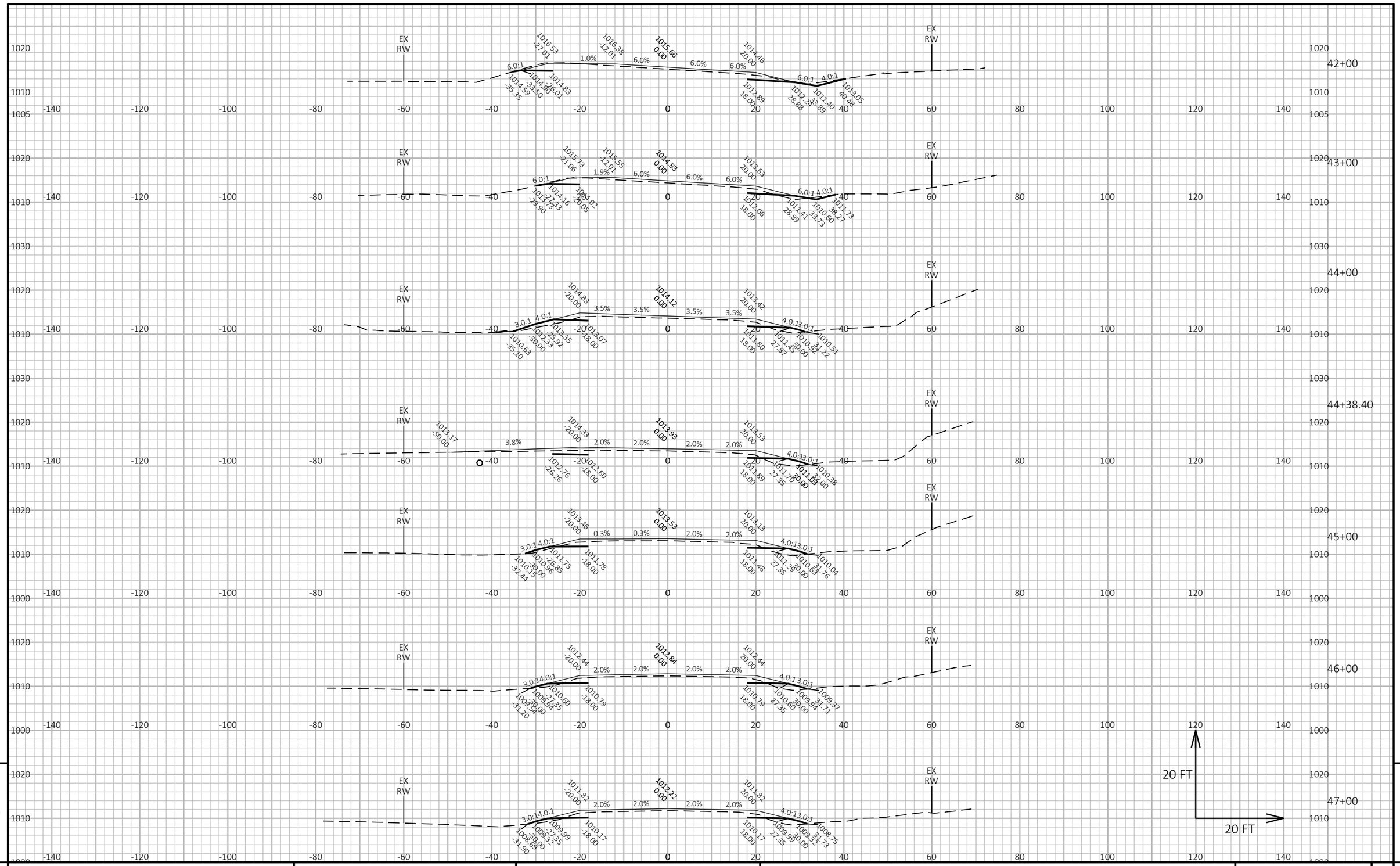
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 407	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 8

PLOT DATE : 7/19/2022 10:56 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

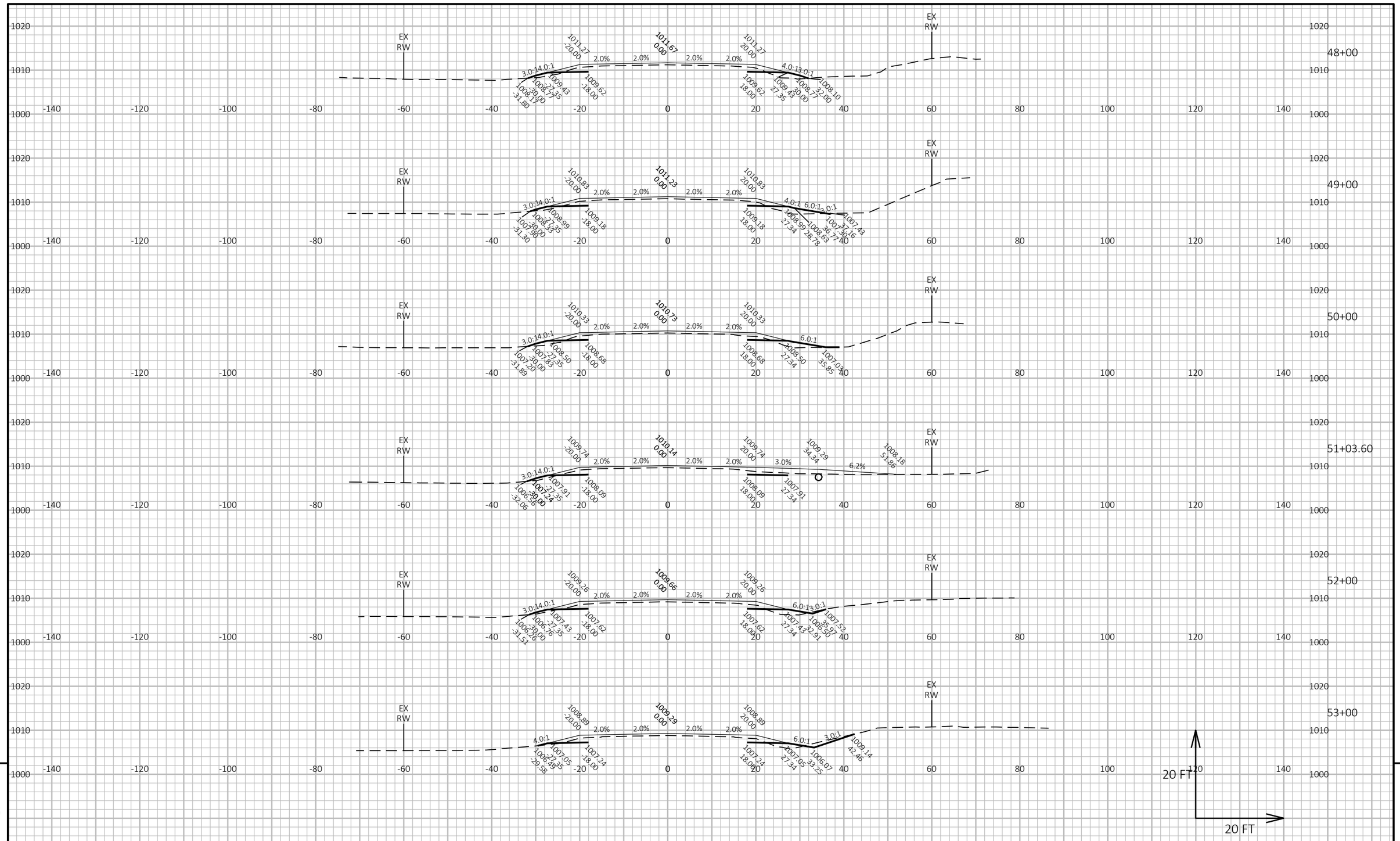
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 408	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 9

PLOT DATE : 7/19/2022 10:57 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

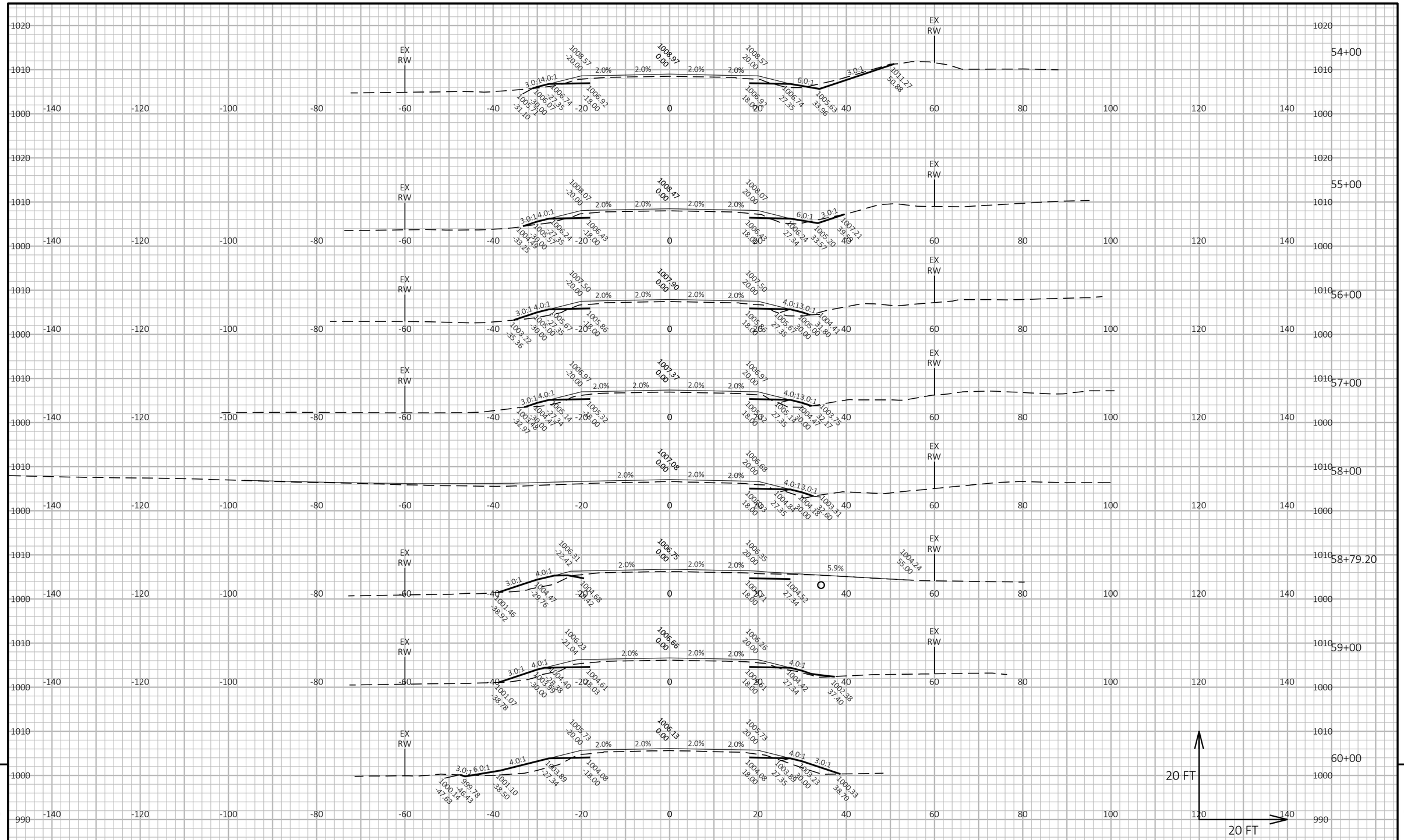


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 409	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/19/2022 10:57 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

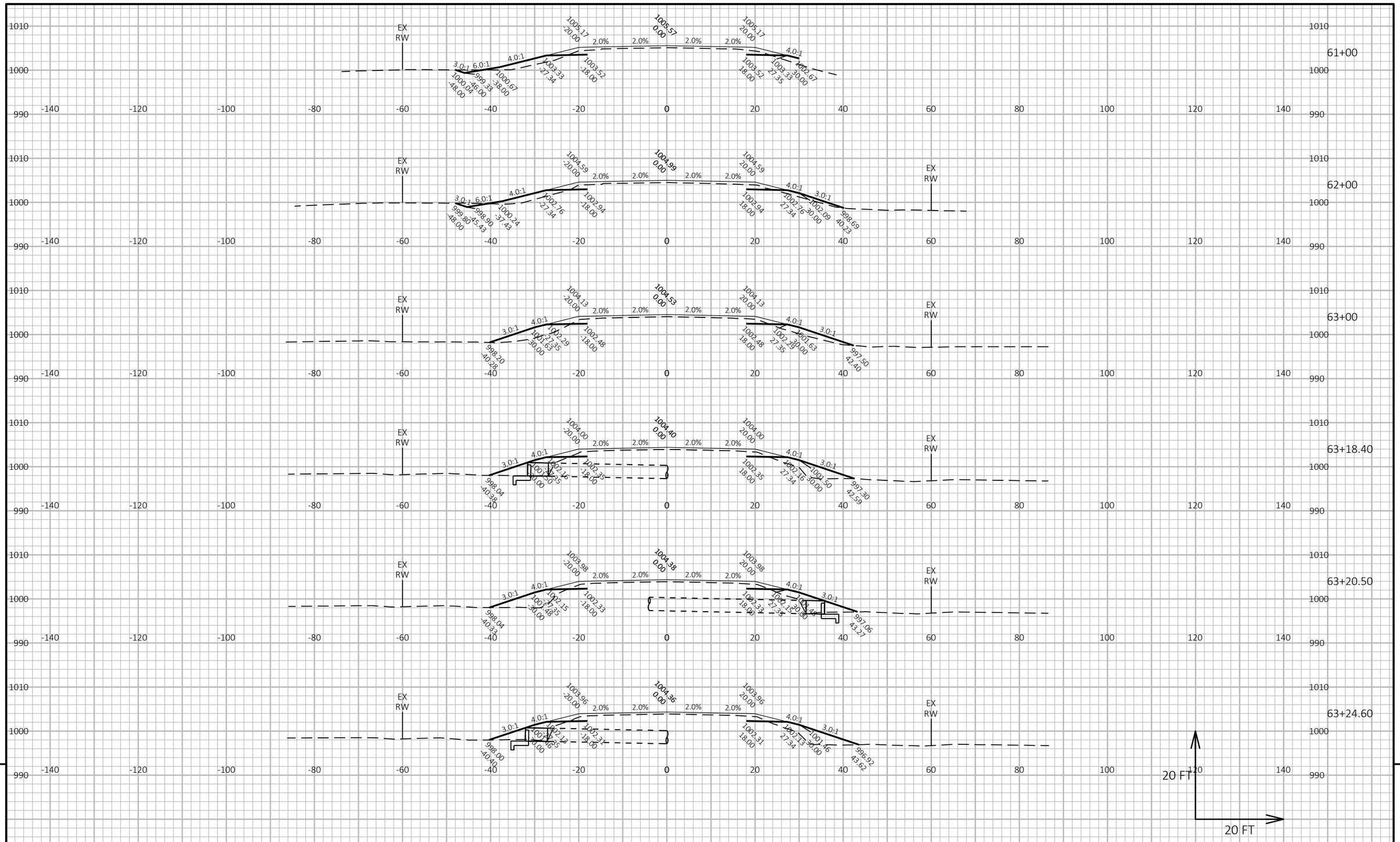


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 410	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/19/2022 10:58 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

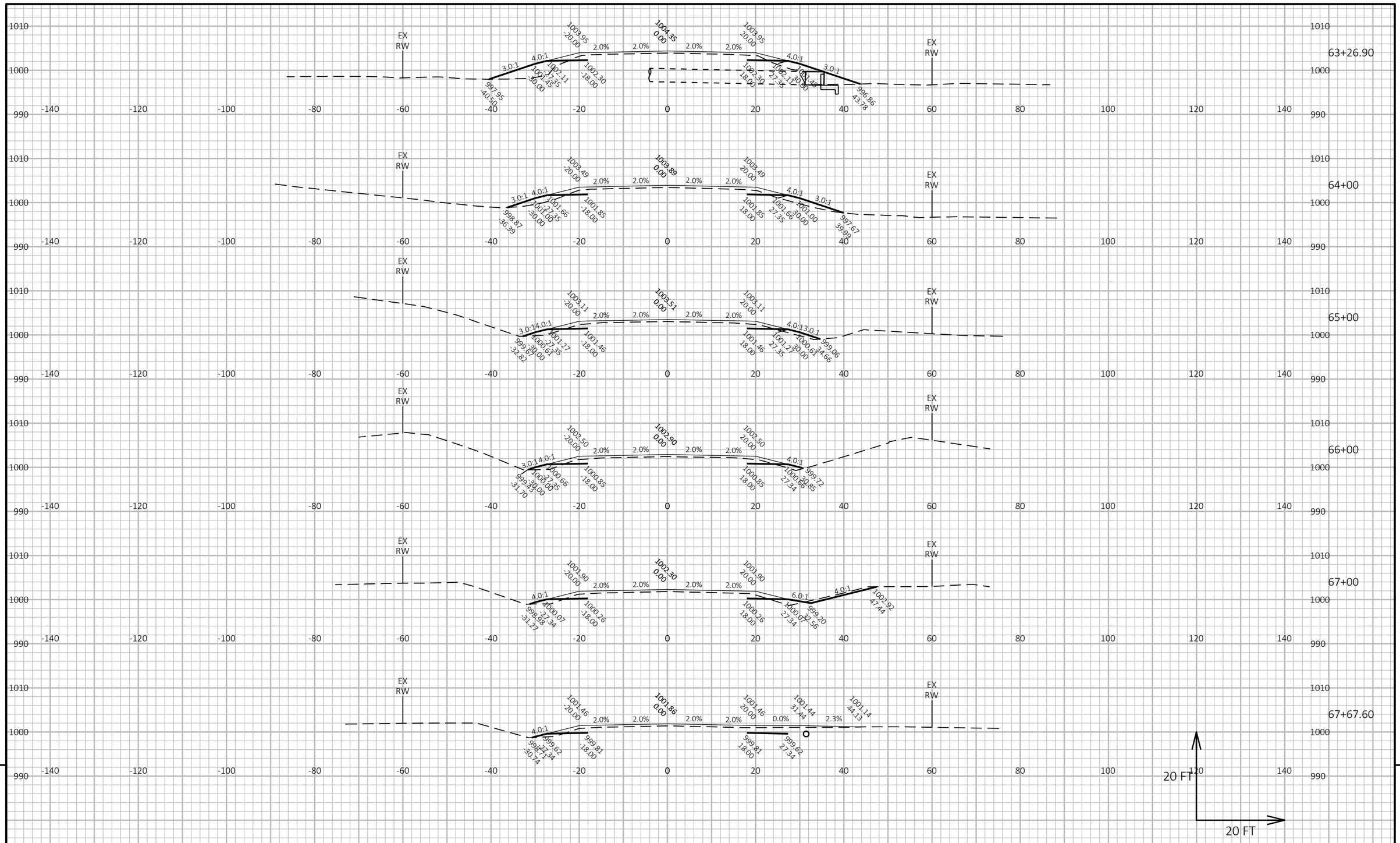
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 411	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/19/2022 10:58 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

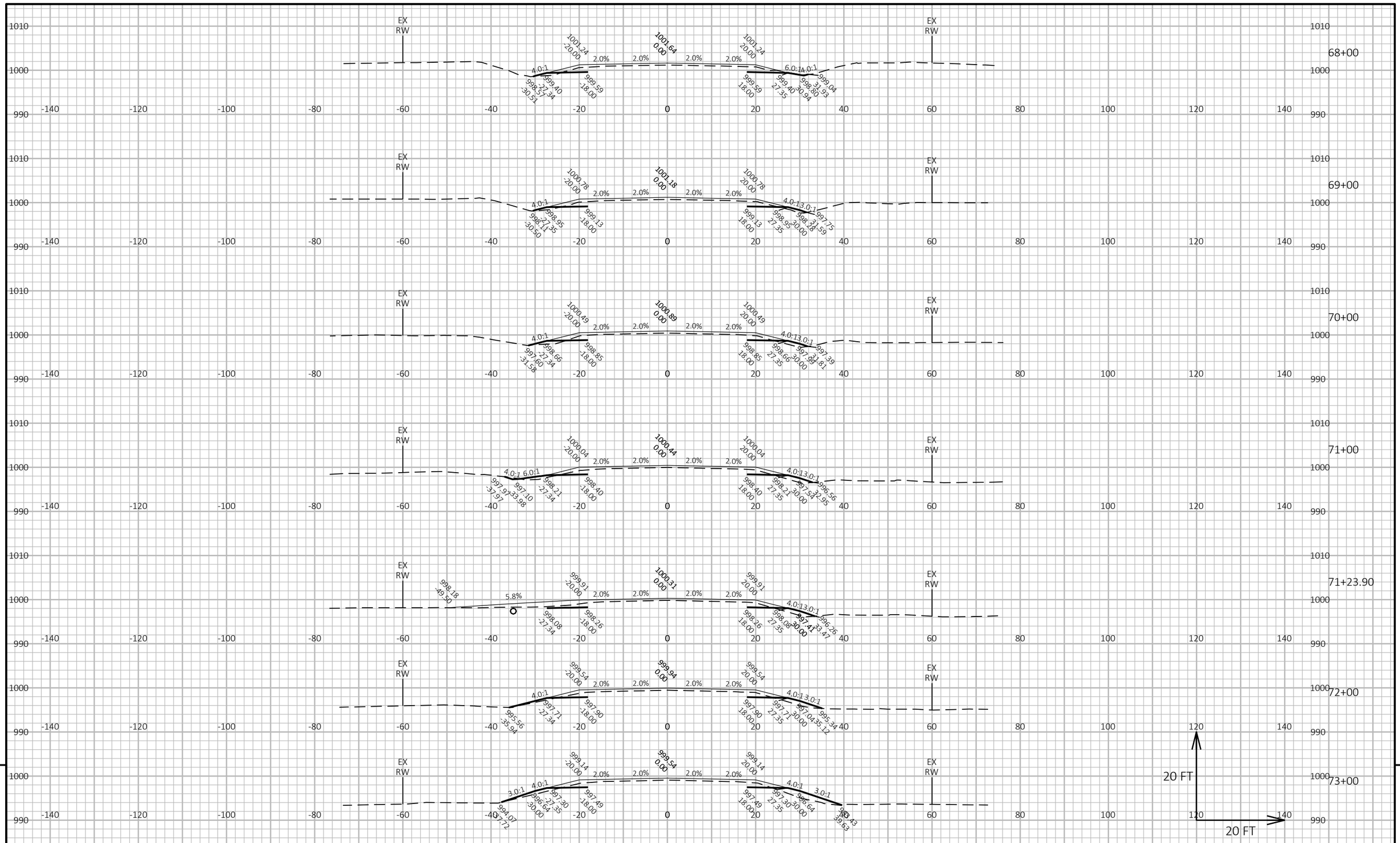


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 412	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/19/2022 10:59 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

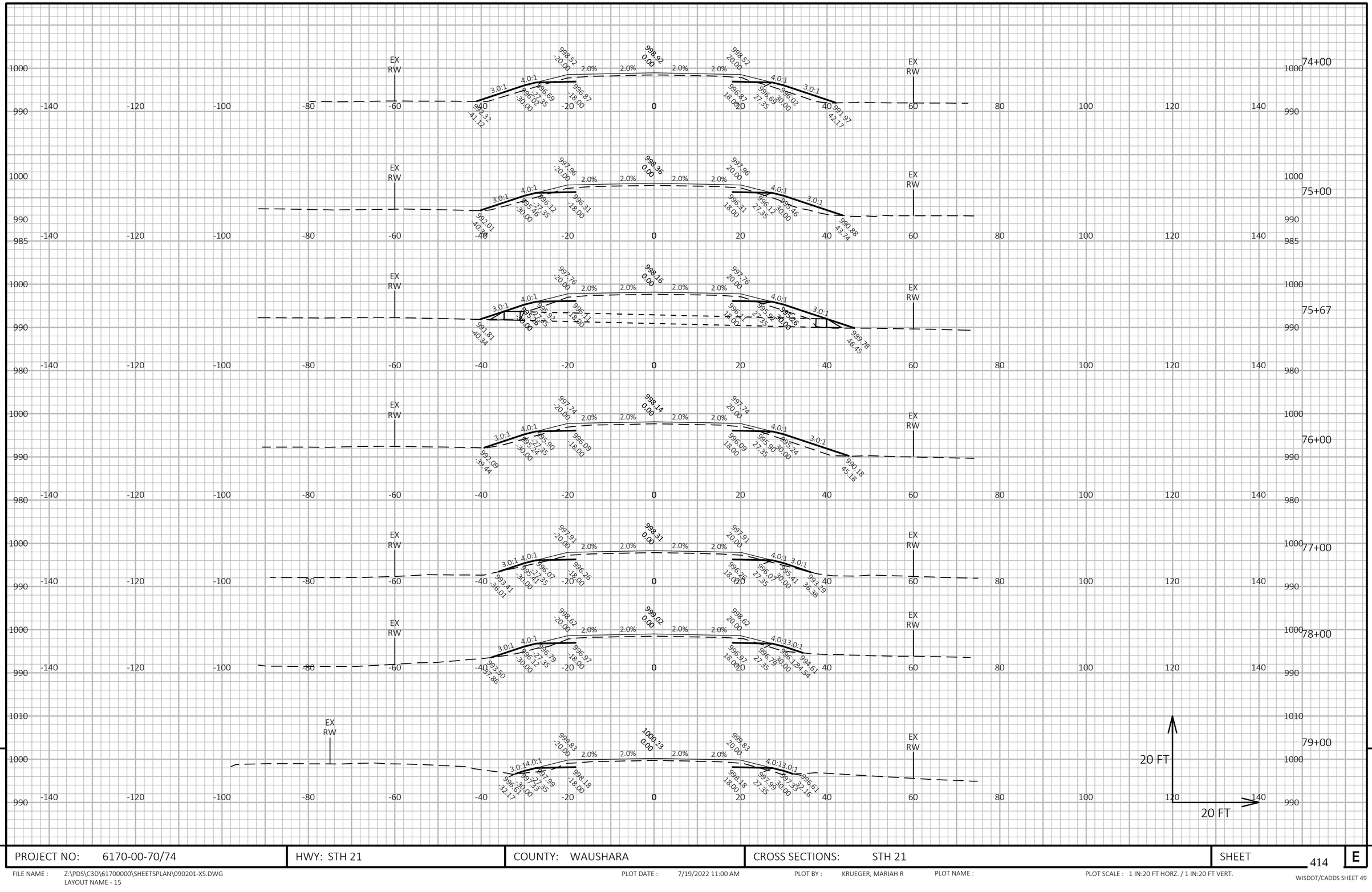


9	PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 413 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/19/2022 10:59 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

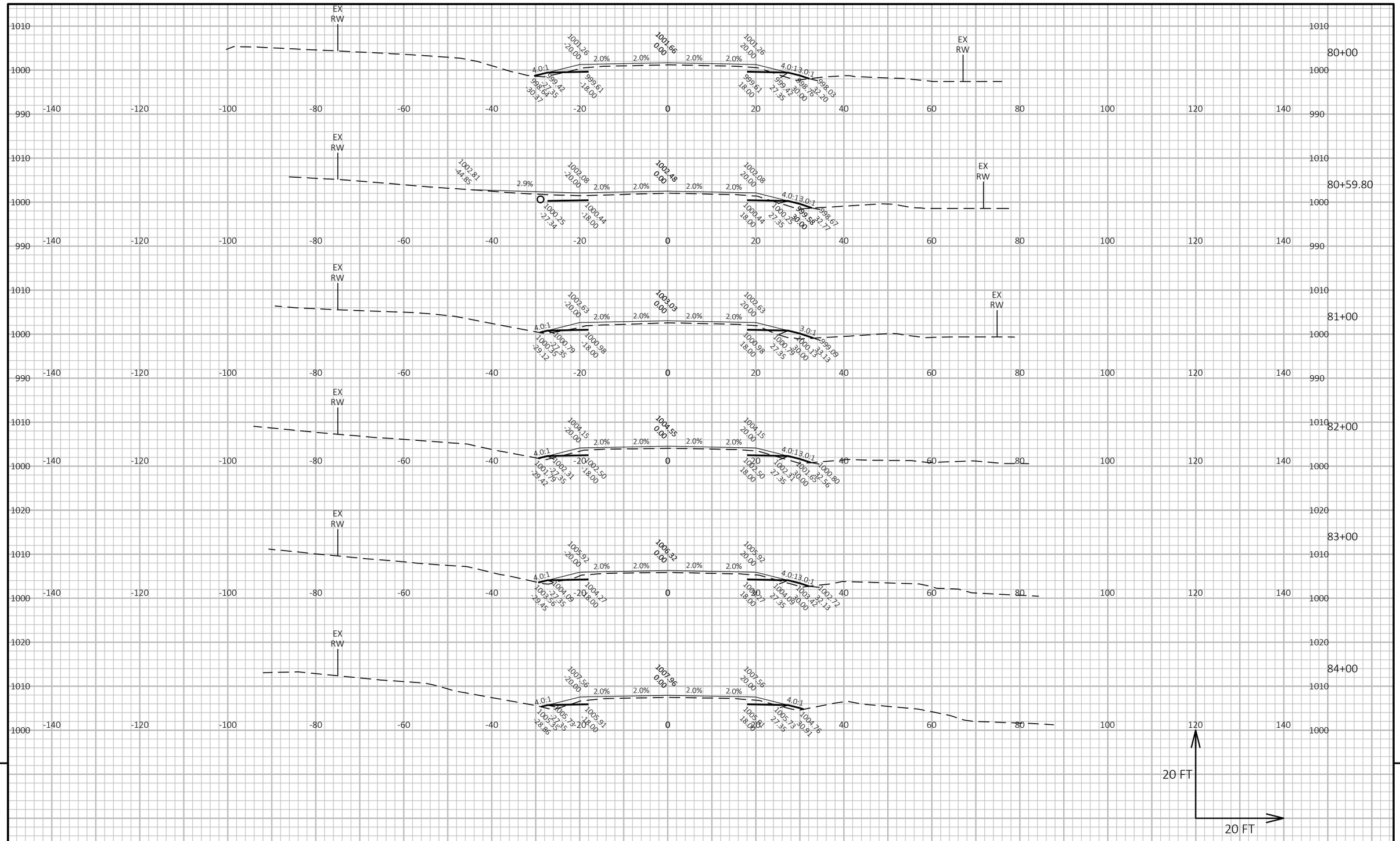


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 414 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/19/2022 11:00 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

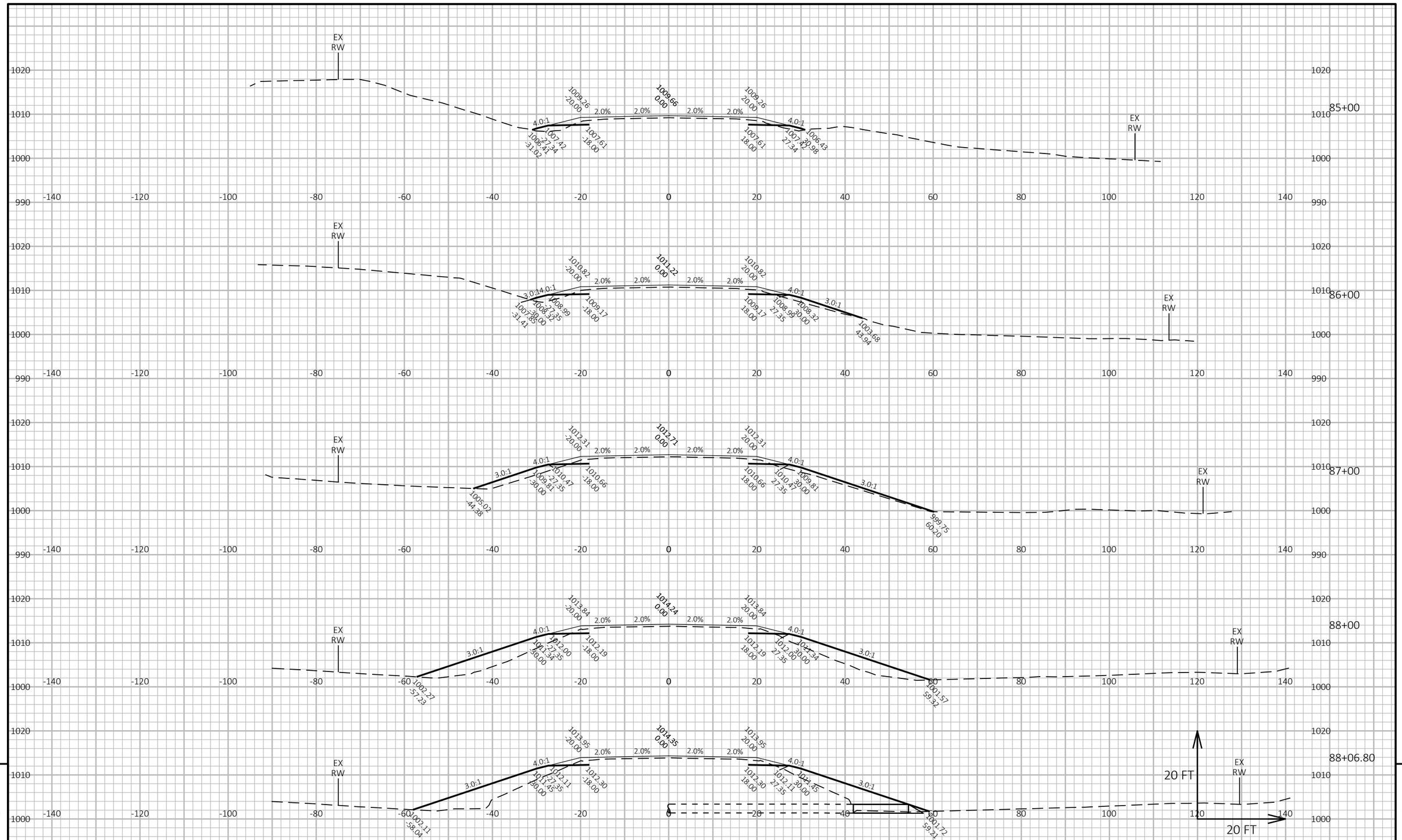
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 415	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/19/2022 11:01 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

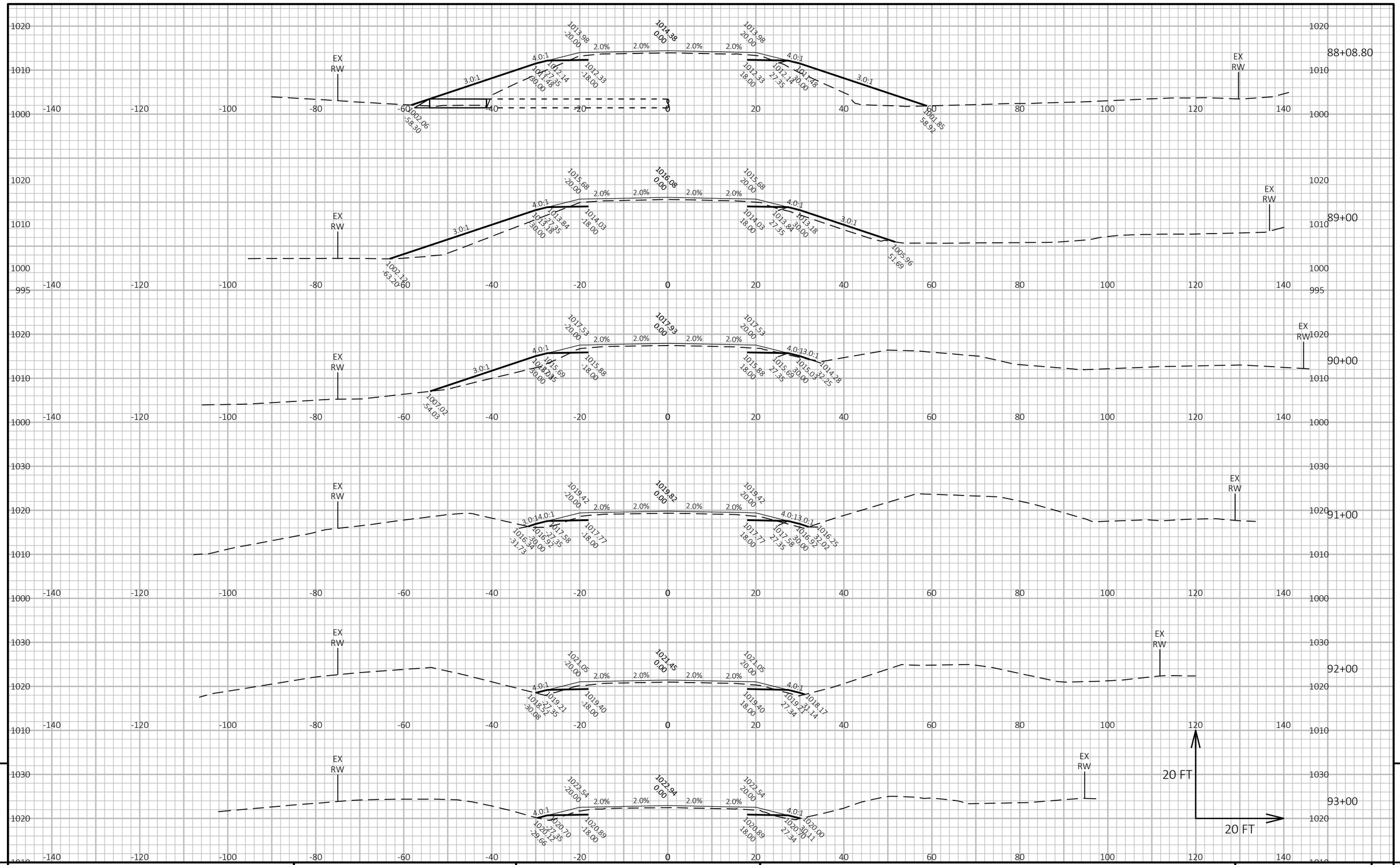


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 416	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/19/2022 11:01 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

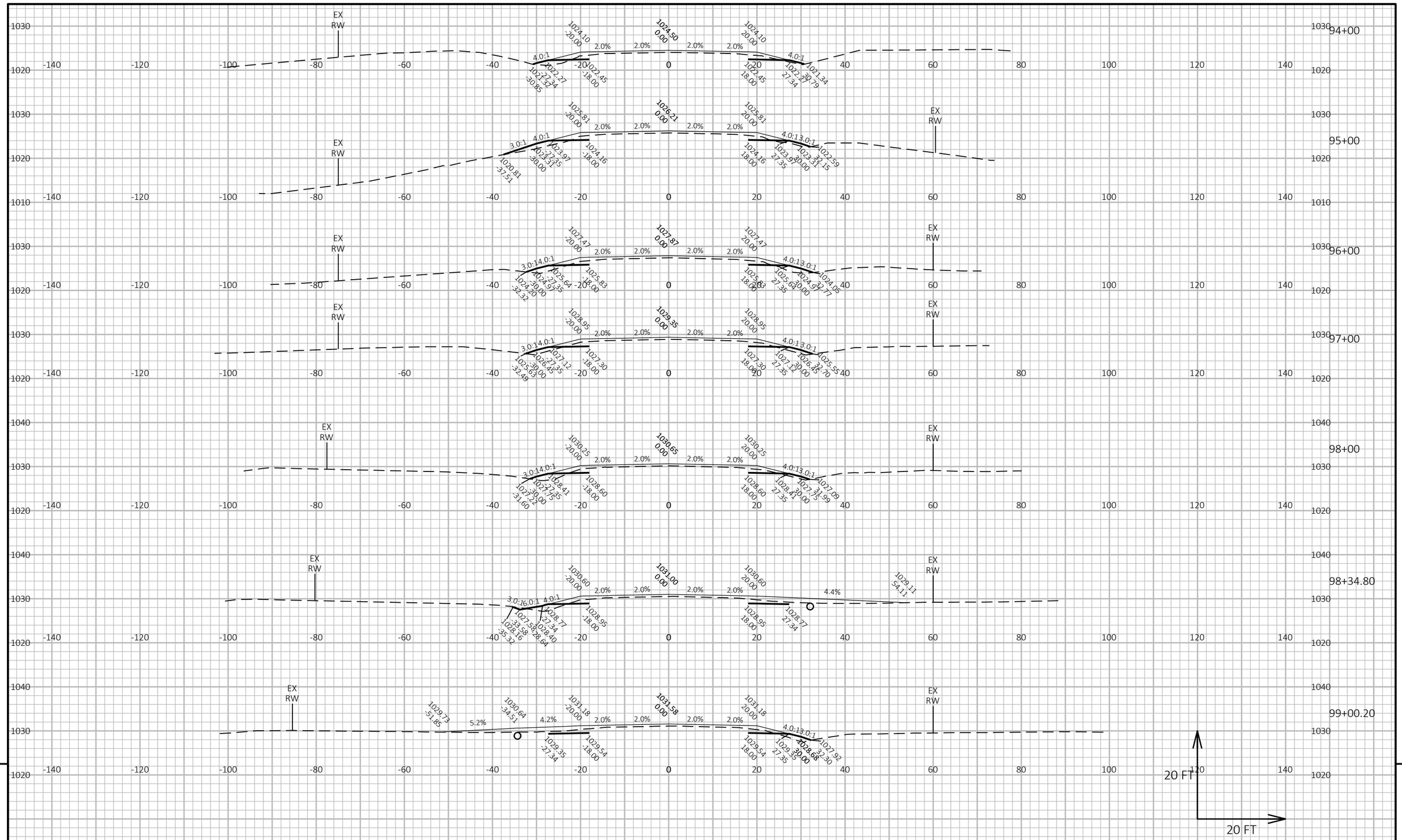
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 417	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/19/2022 11:02 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

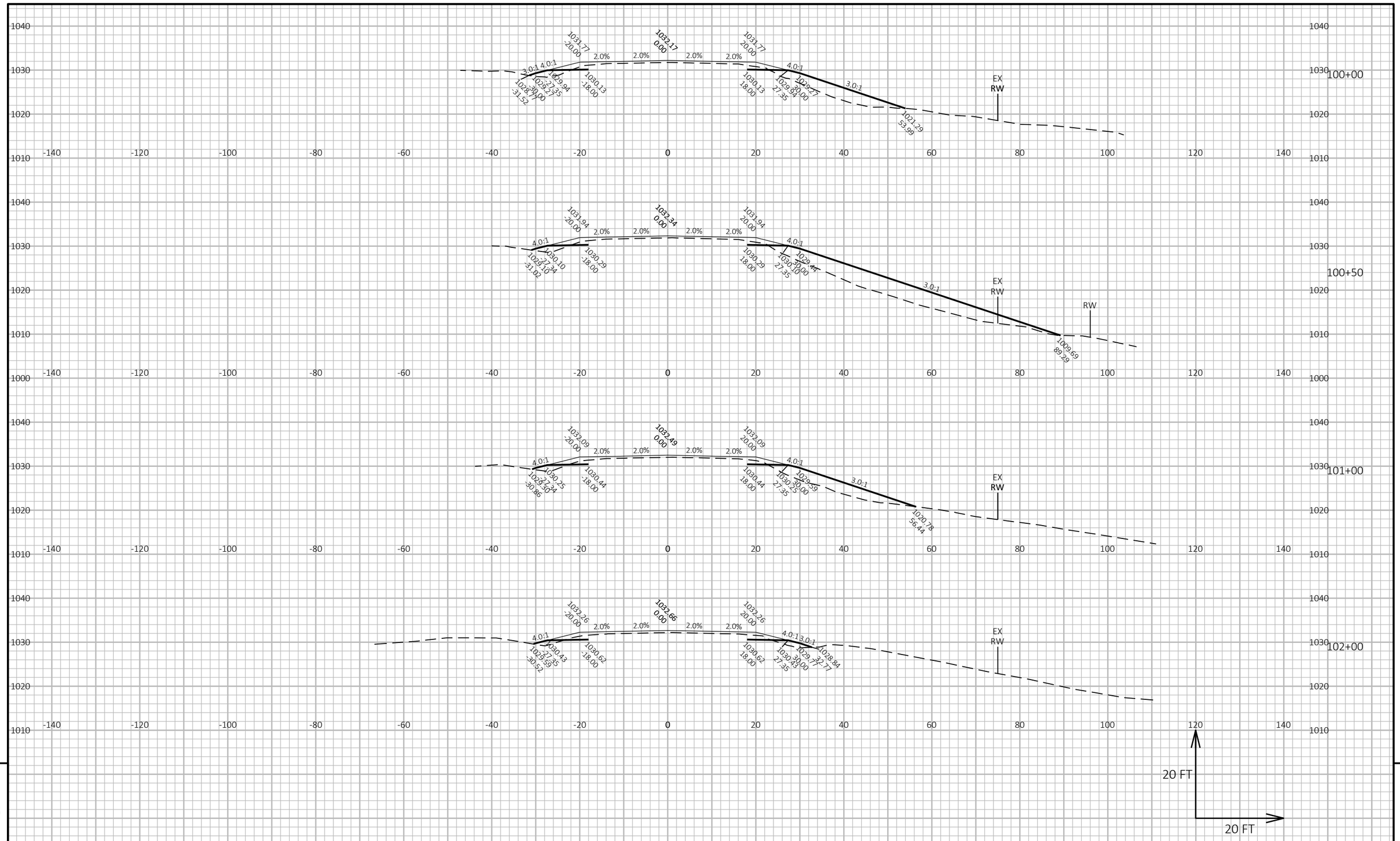


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 418	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/19/2022 11:02 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

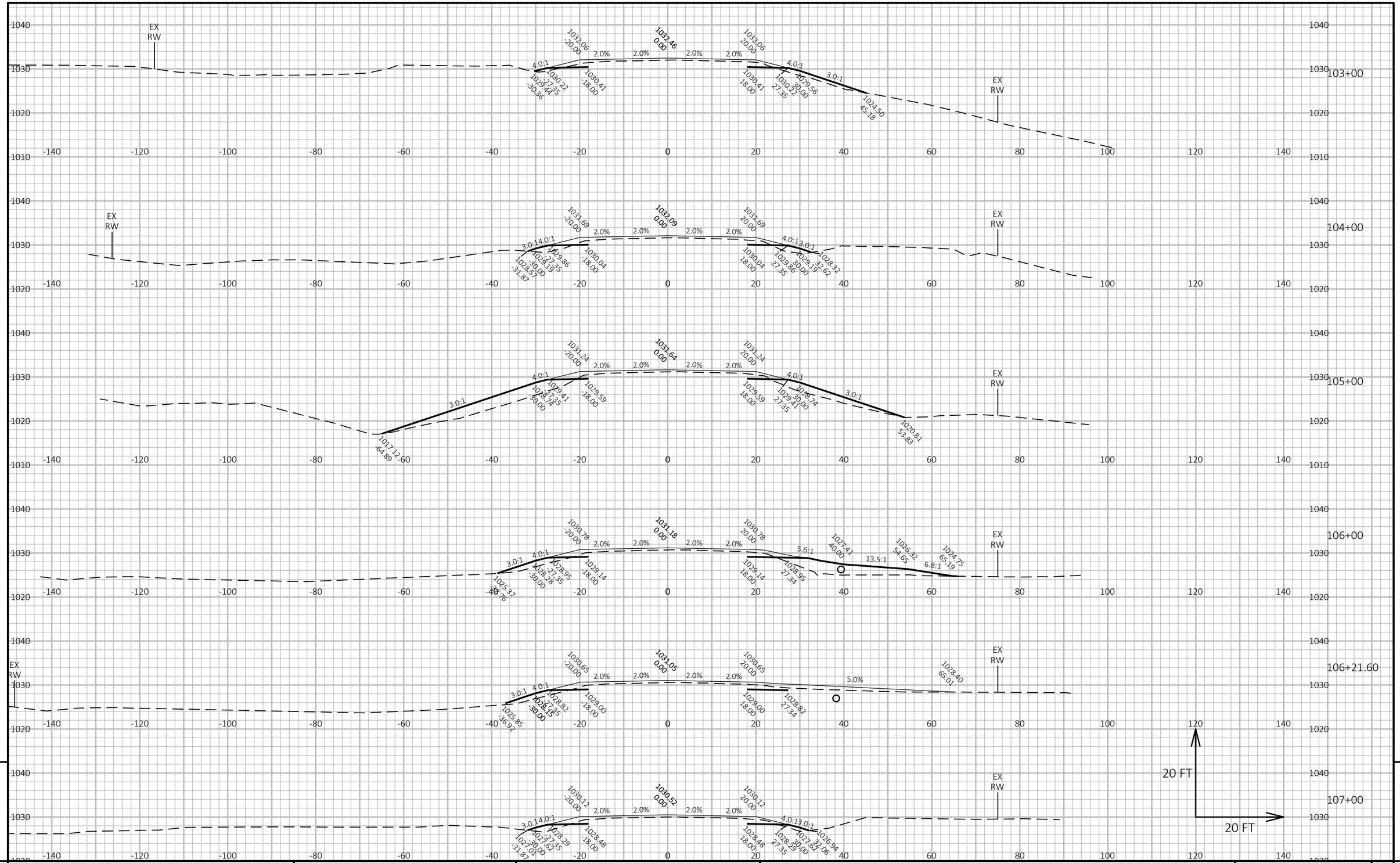


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 419	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/19/2022 11:03 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



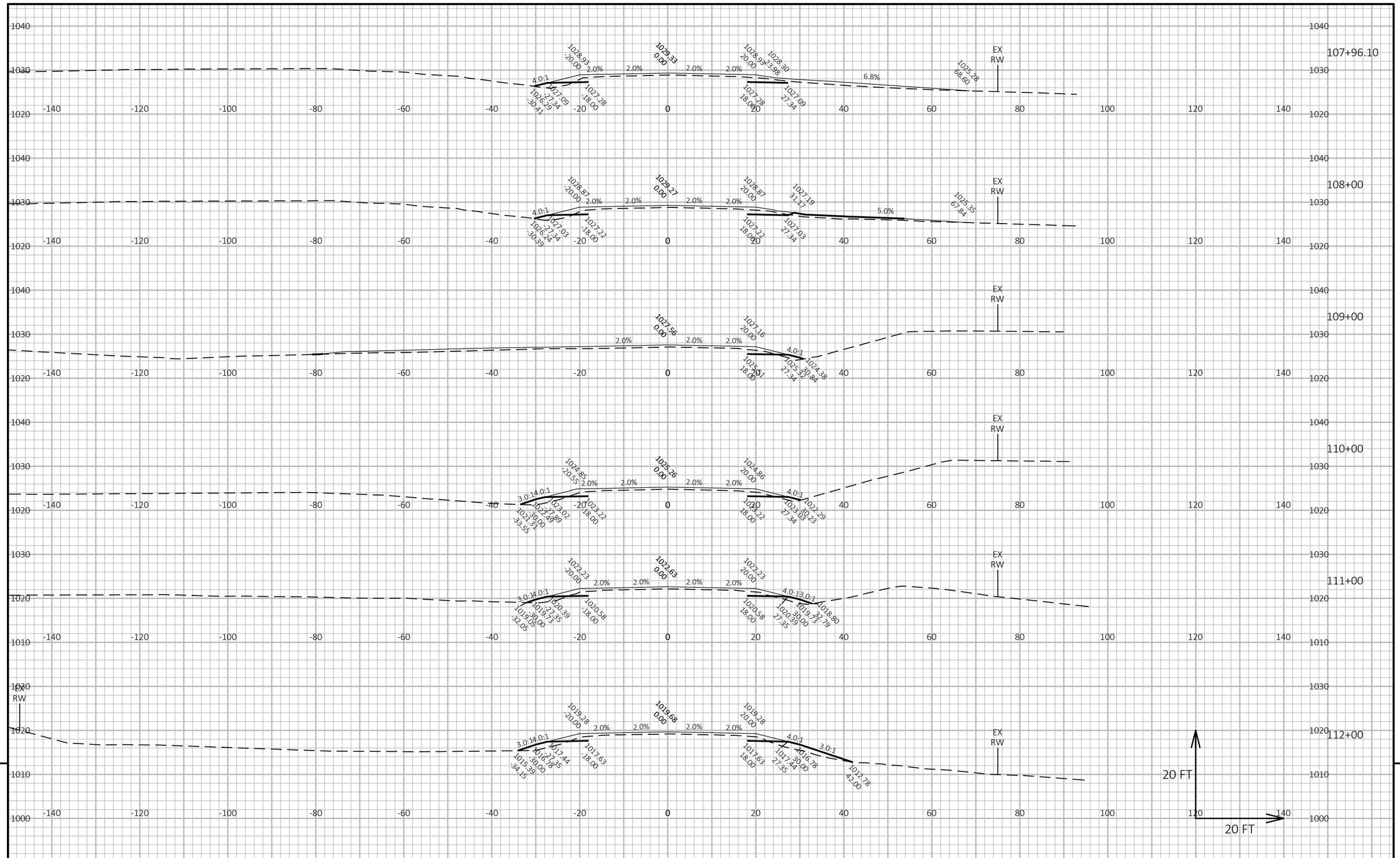
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9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 420	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/19/2022 11:03 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

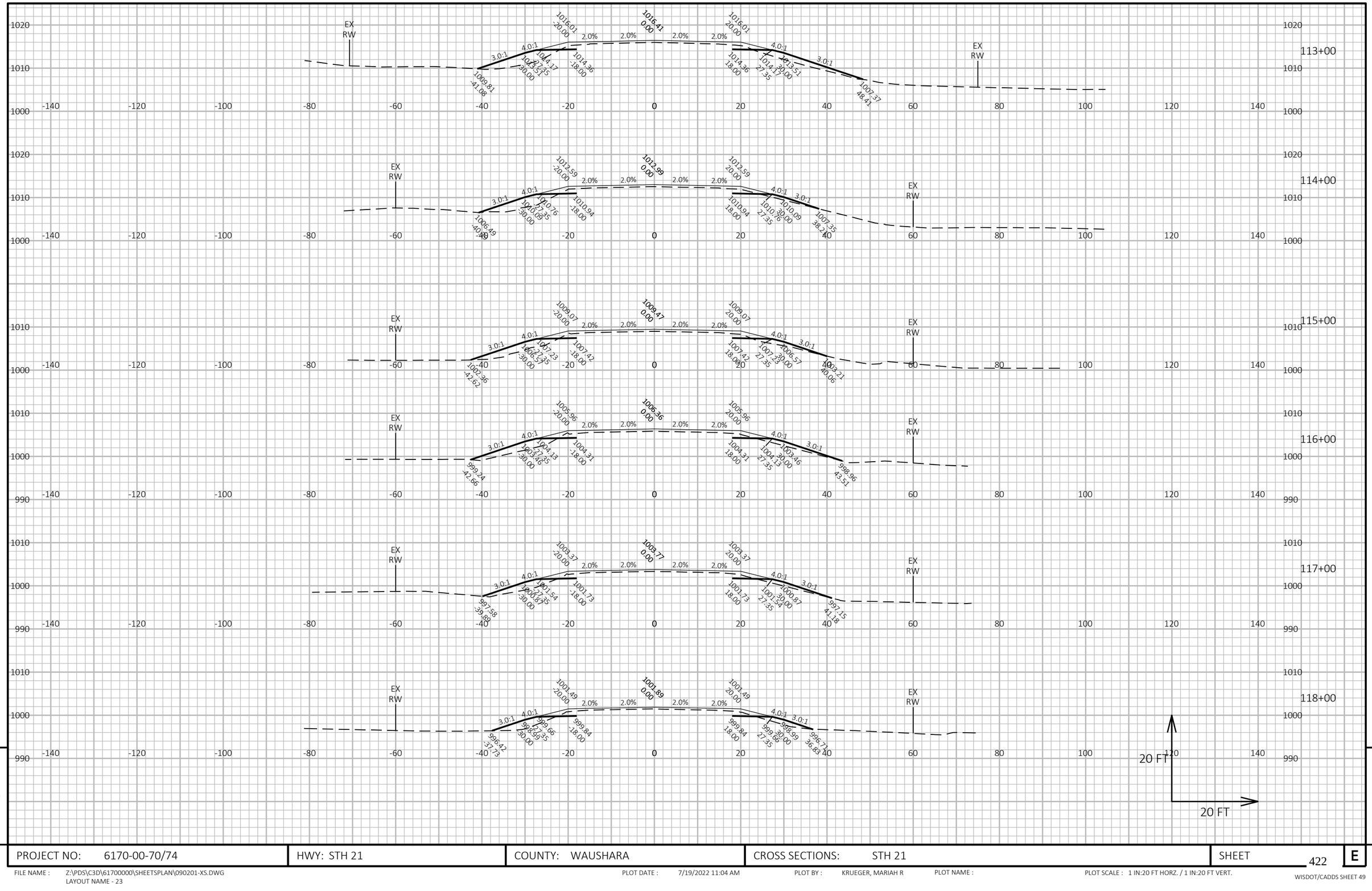


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 421	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/19/2022 11:04 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

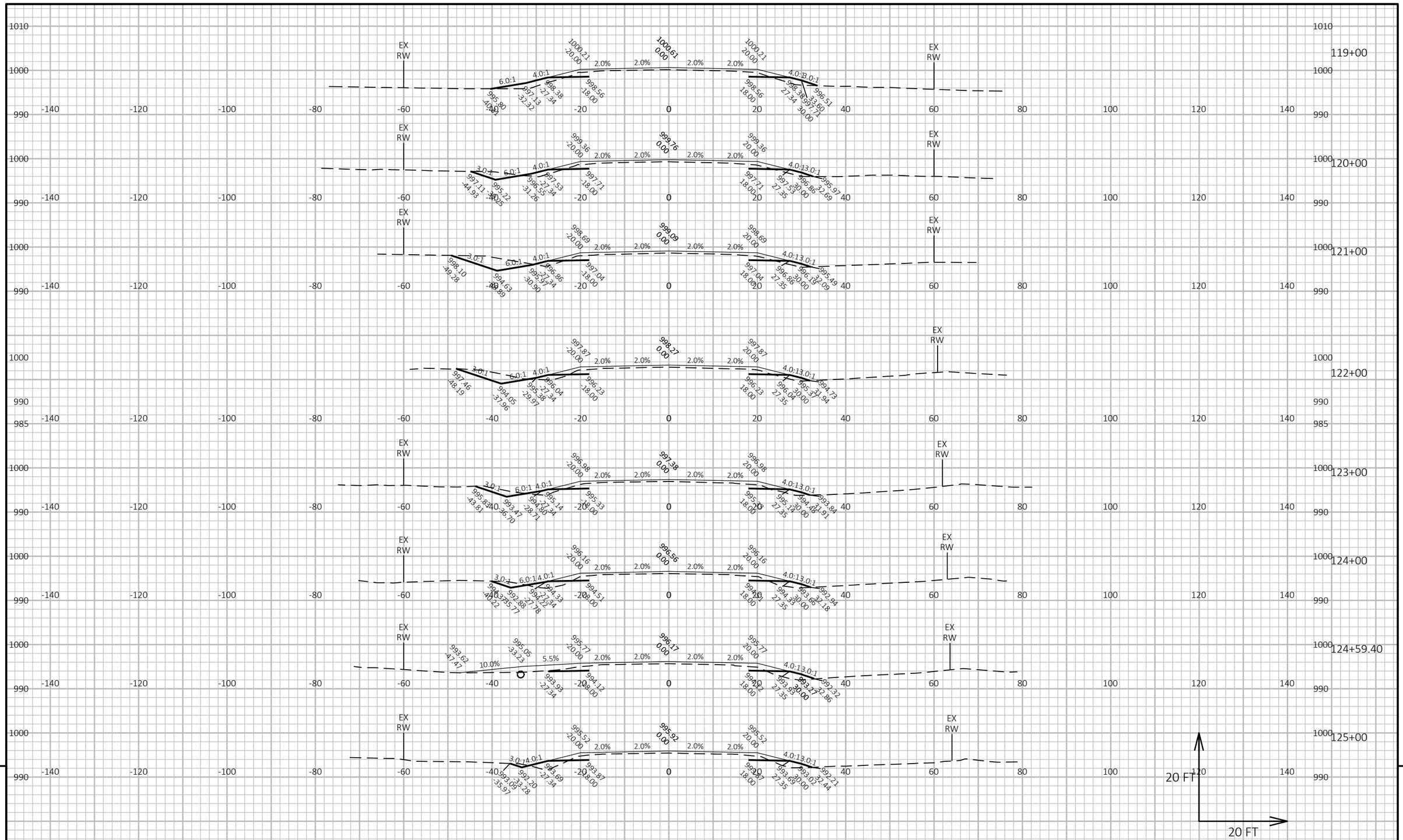


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 422	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/19/2022 11:04 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

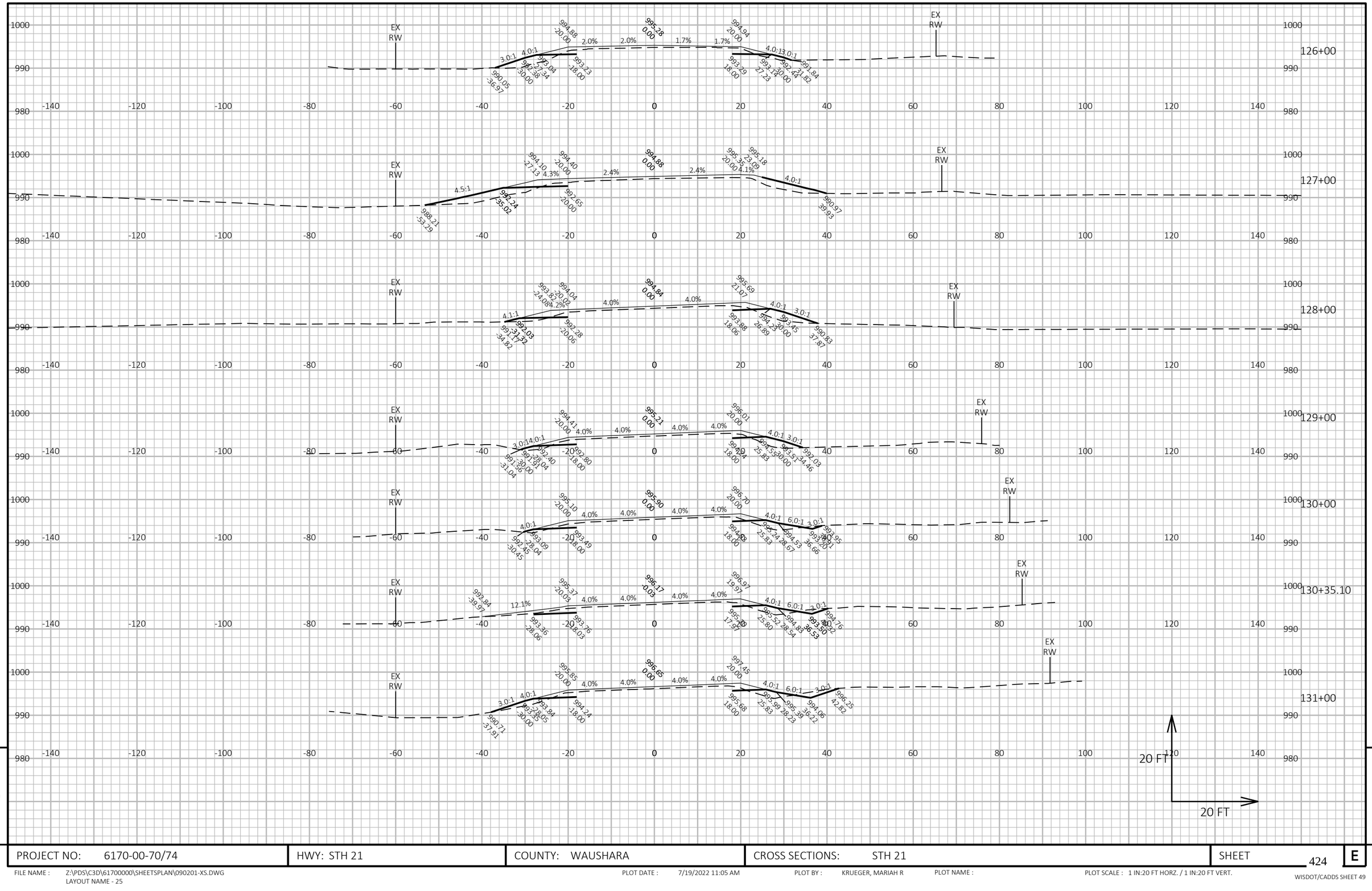


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 423	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/19/2022 11:05 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

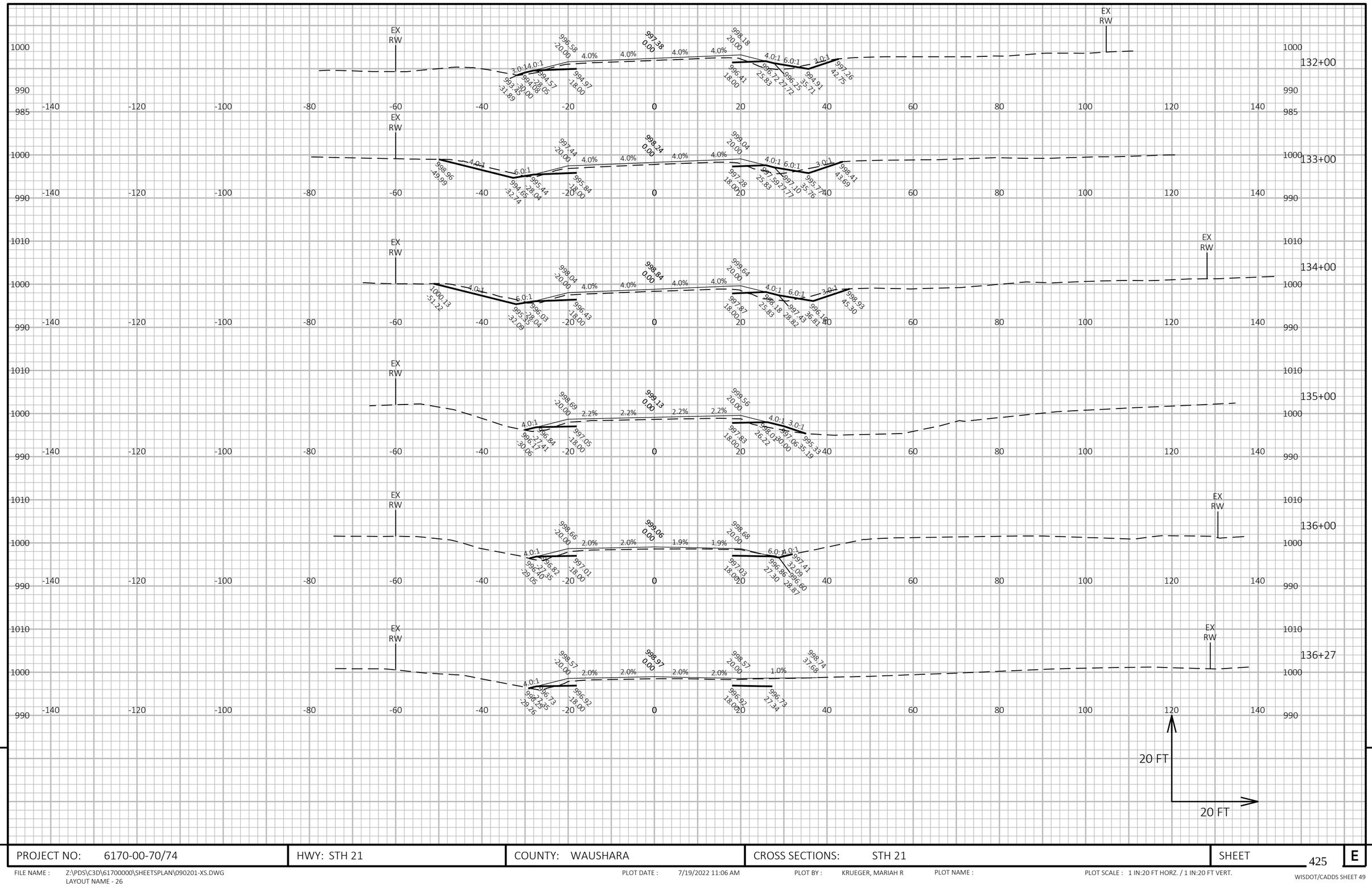


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 424	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/19/2022 11:05 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

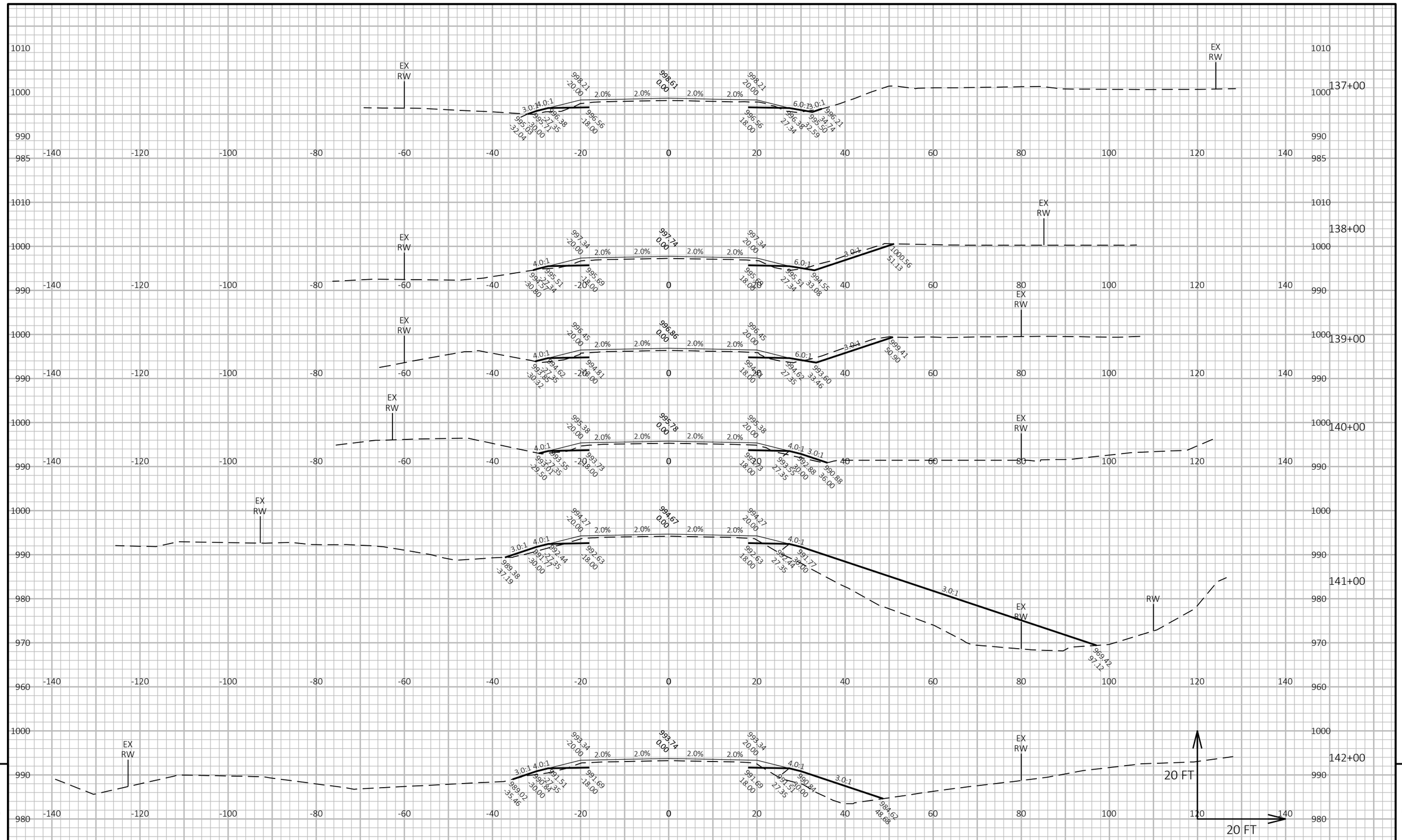


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 425	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 26

PLOT DATE : 7/19/2022 11:06 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

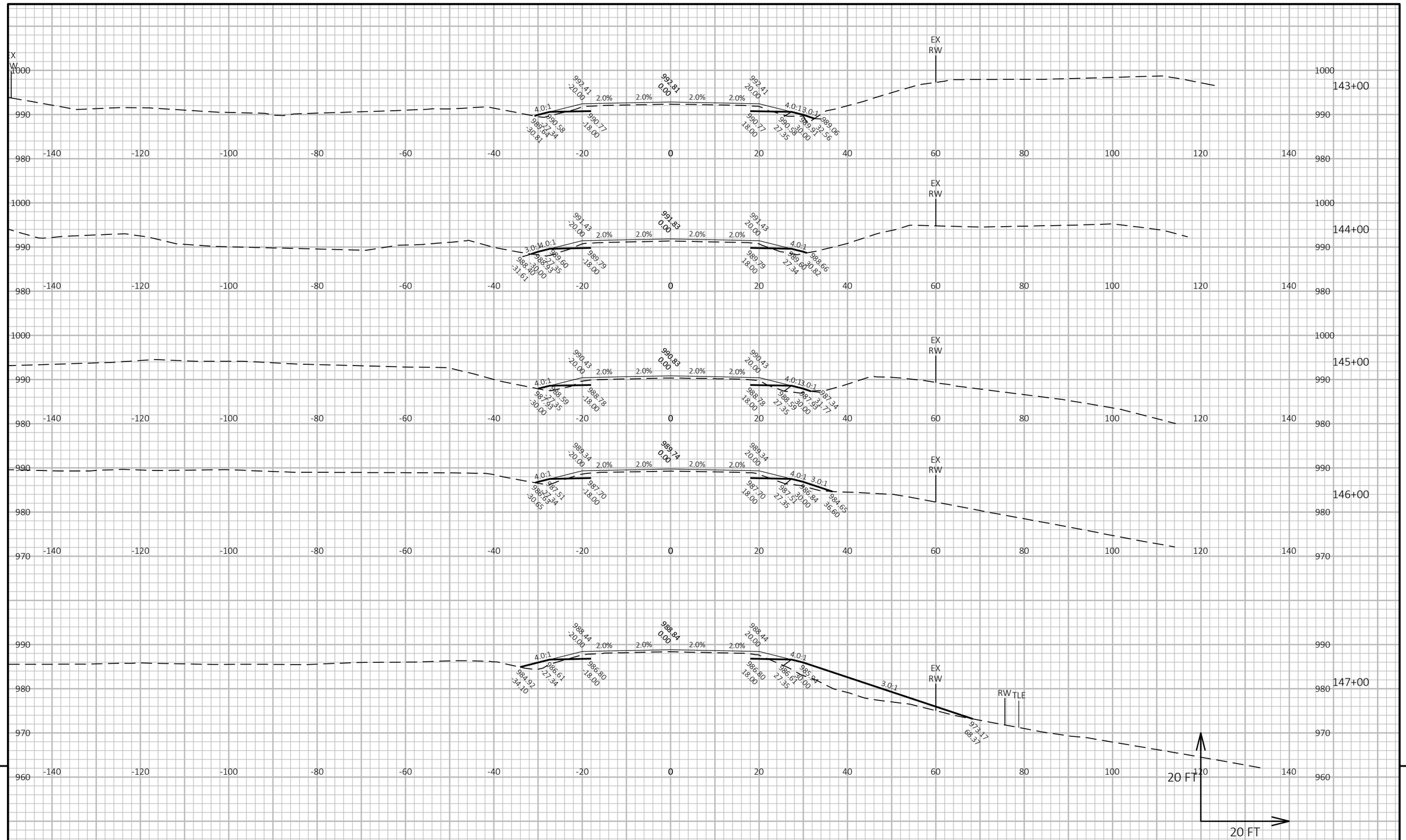
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 426	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 27

PLOT DATE : 7/19/2022 11:06 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



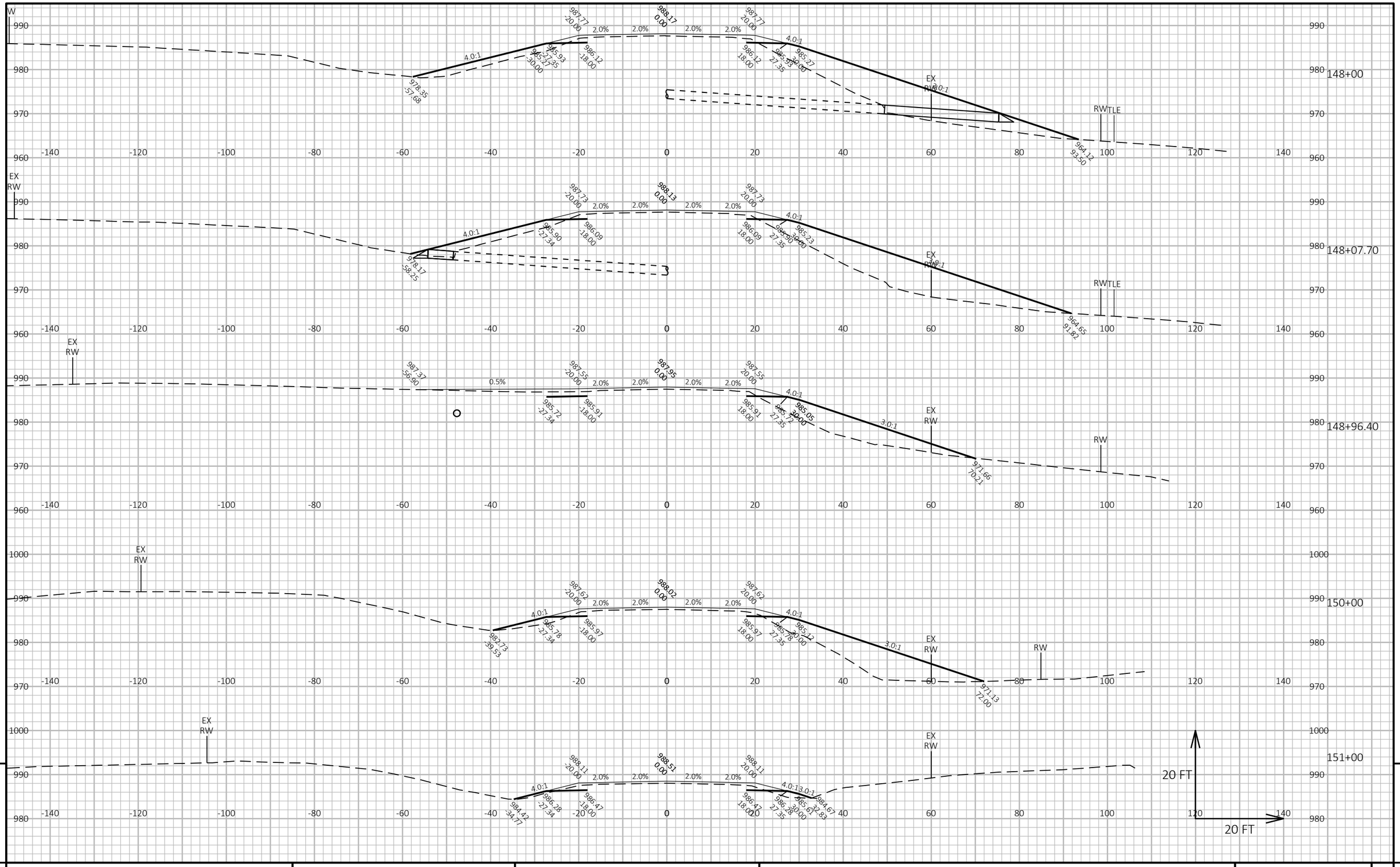
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 427	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 28

PLOT DATE : 7/19/2022 11:07 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



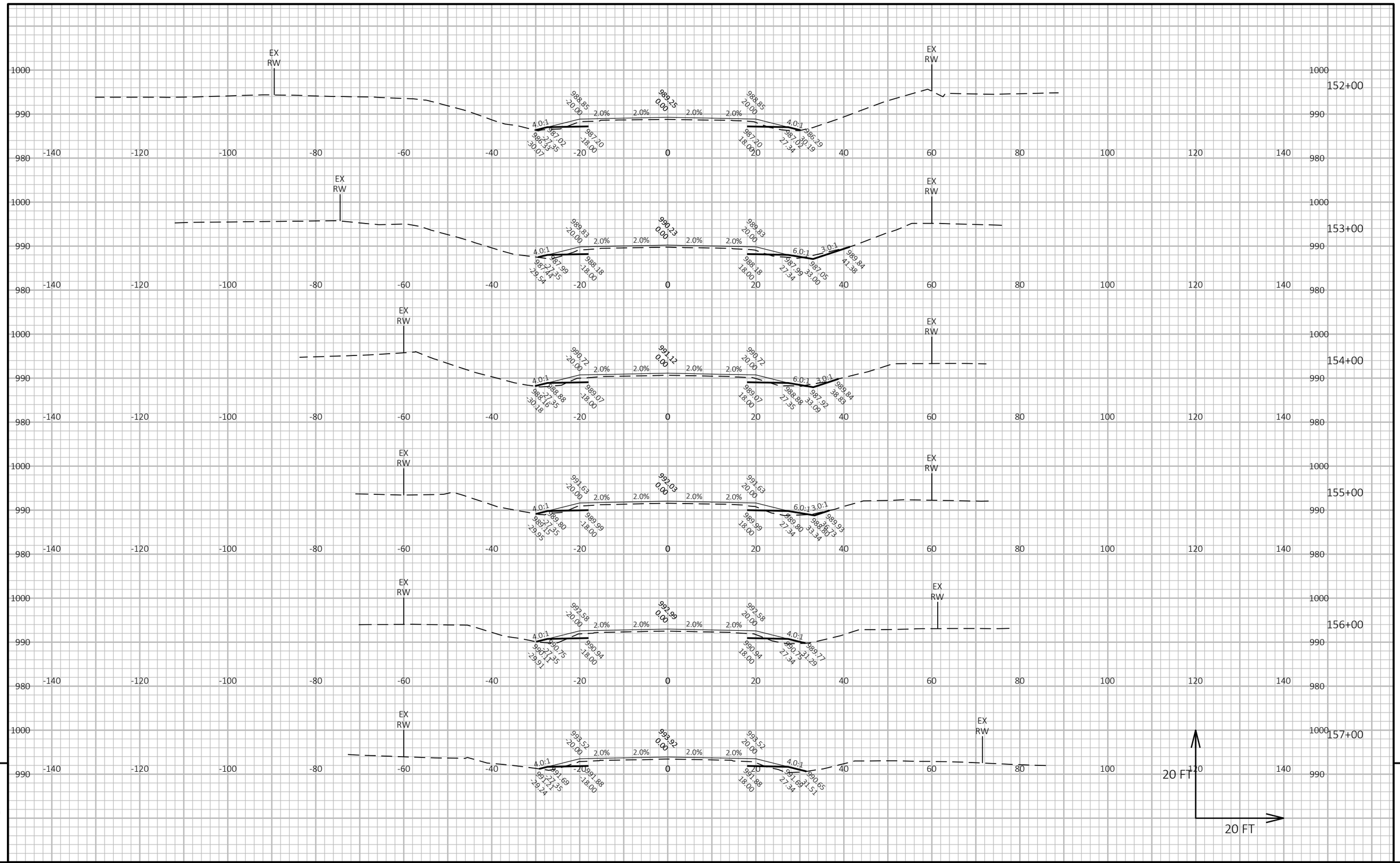
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 428	E

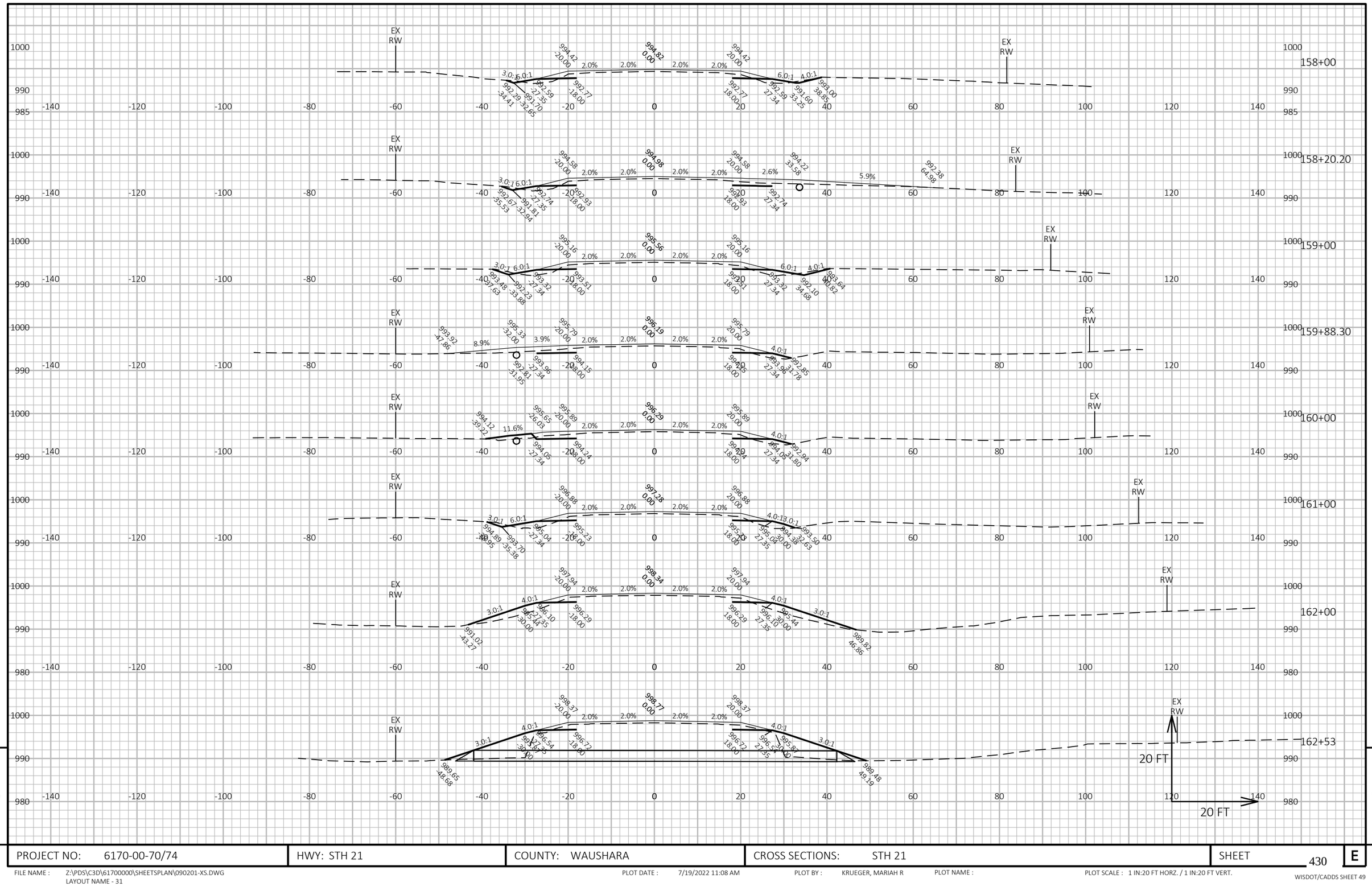
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 29

PLOT DATE : 7/19/2022 11:07 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 429 E

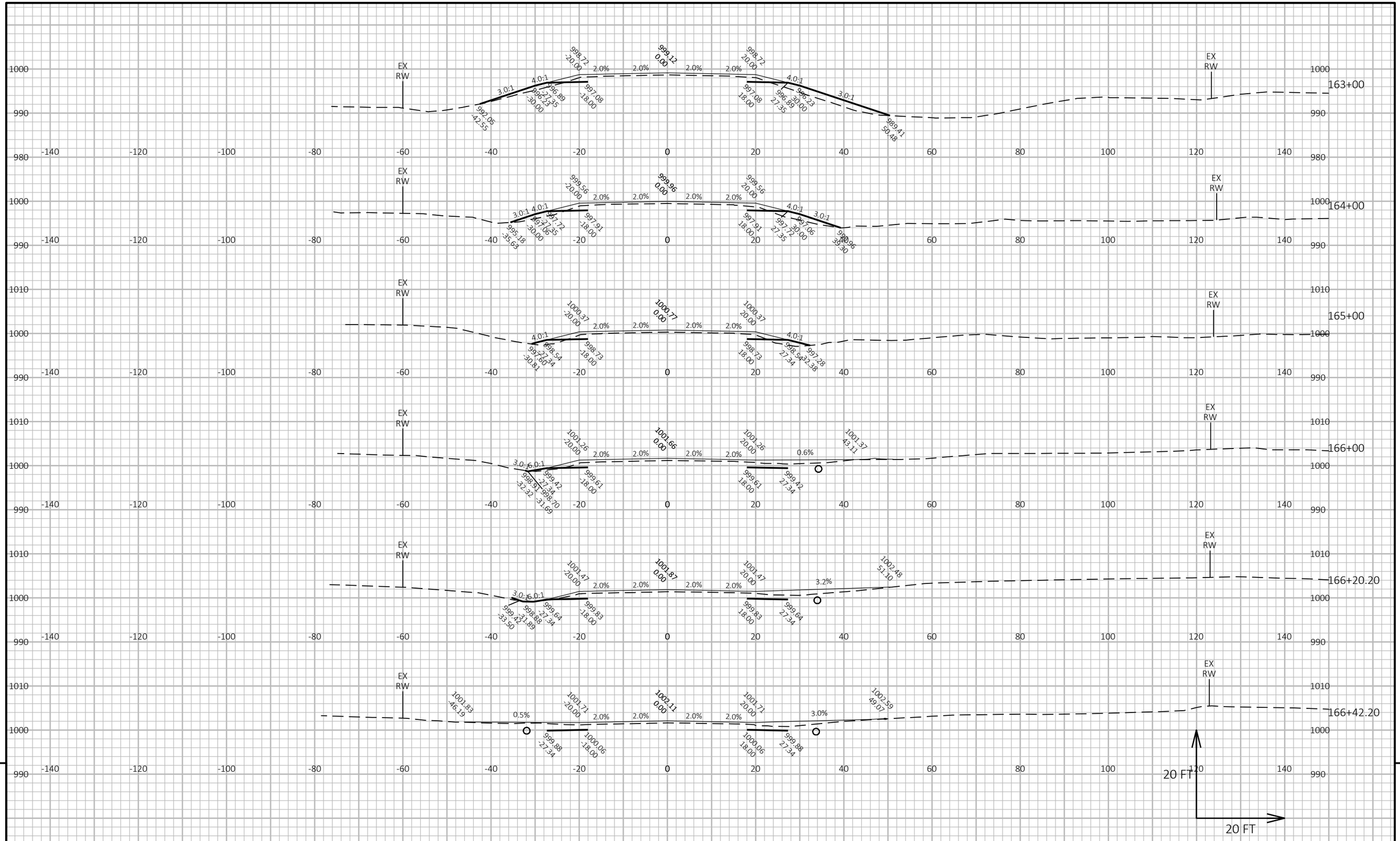


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 430	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 31

PLOT DATE : 7/19/2022 11:08 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

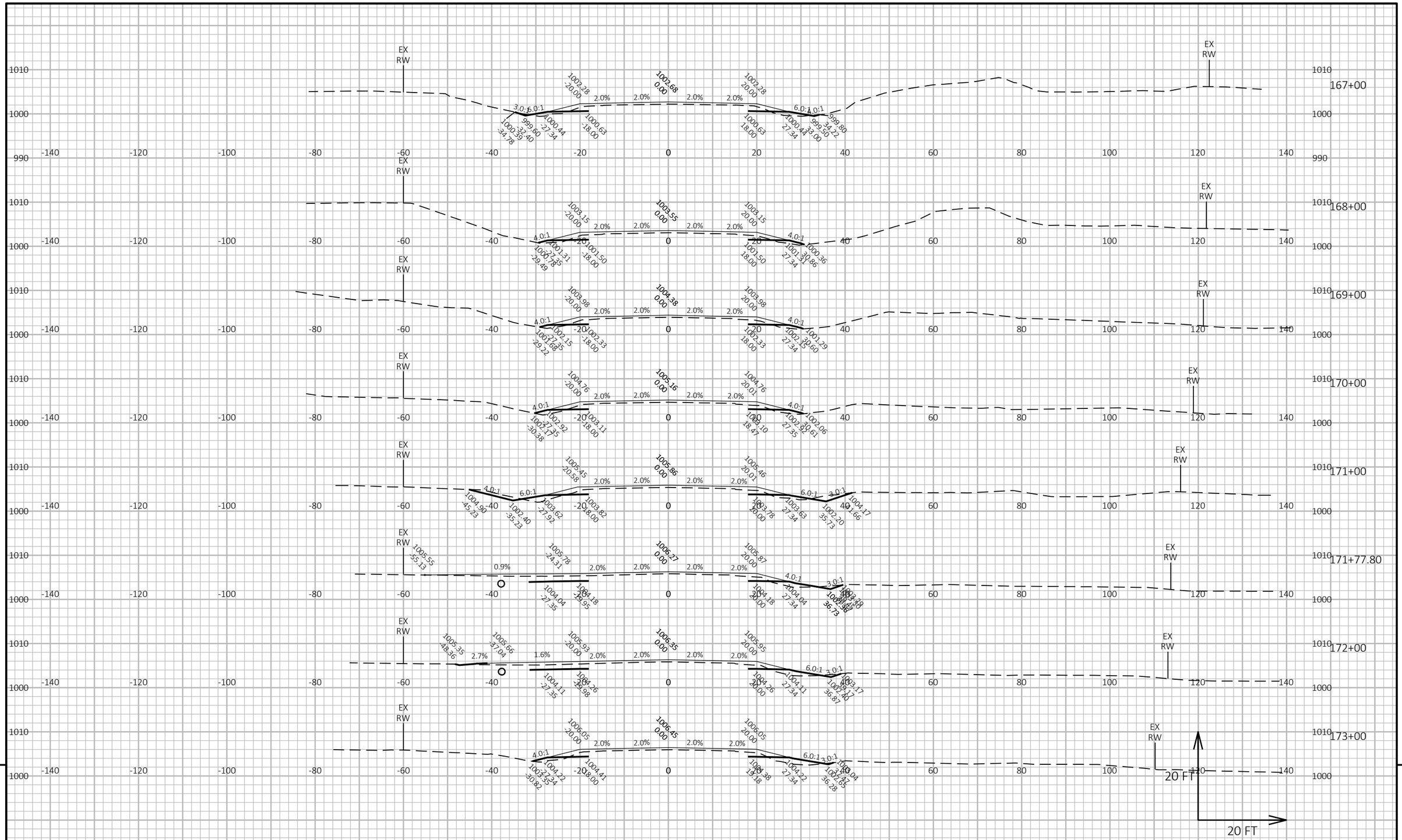


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 431	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 32

PLOT DATE : 7/19/2022 11:09 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 432	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 33

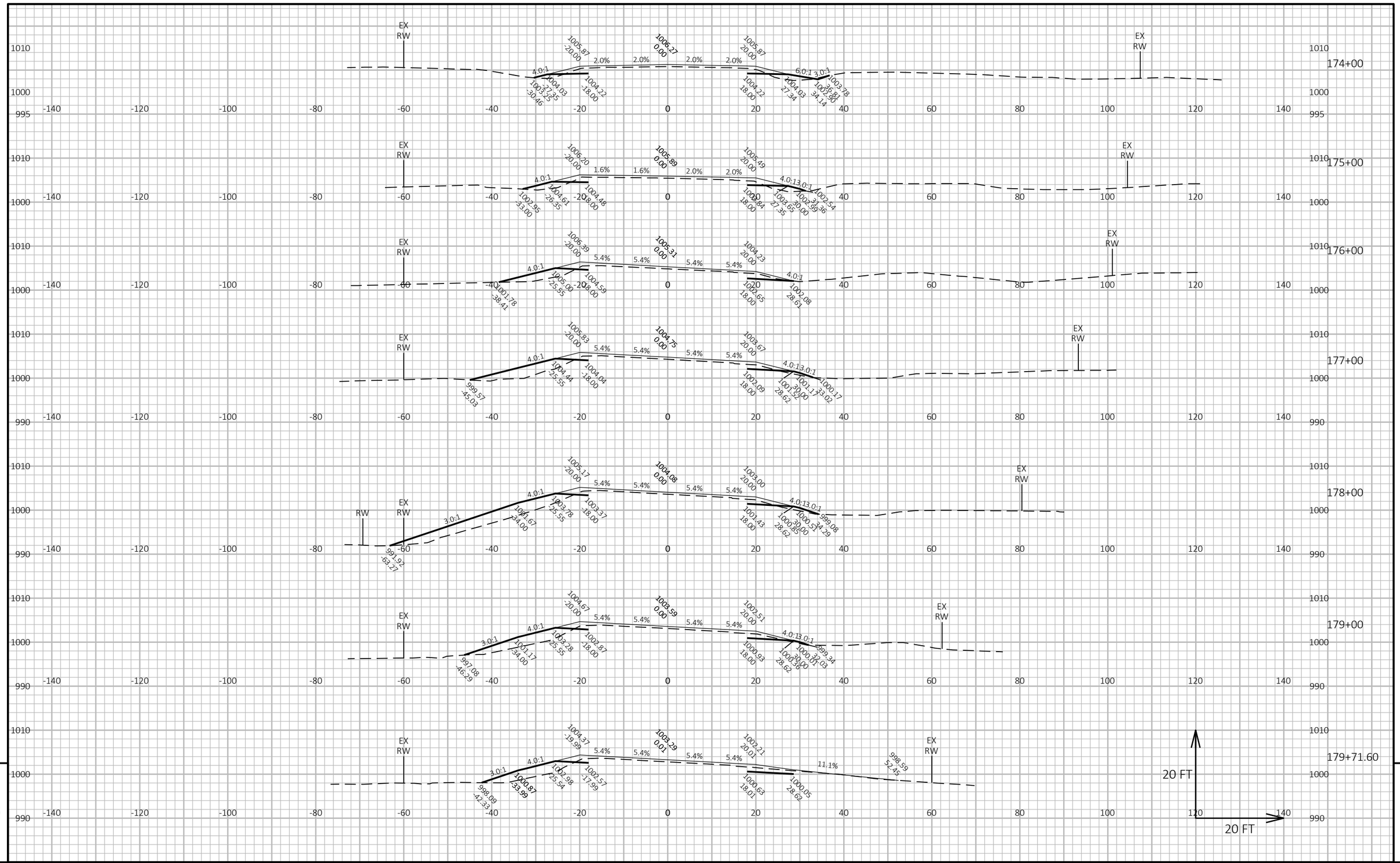
PLOT DATE : 7/19/2022 11:09 AM

PLOT BY : KRUEGER, MARIAH R

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

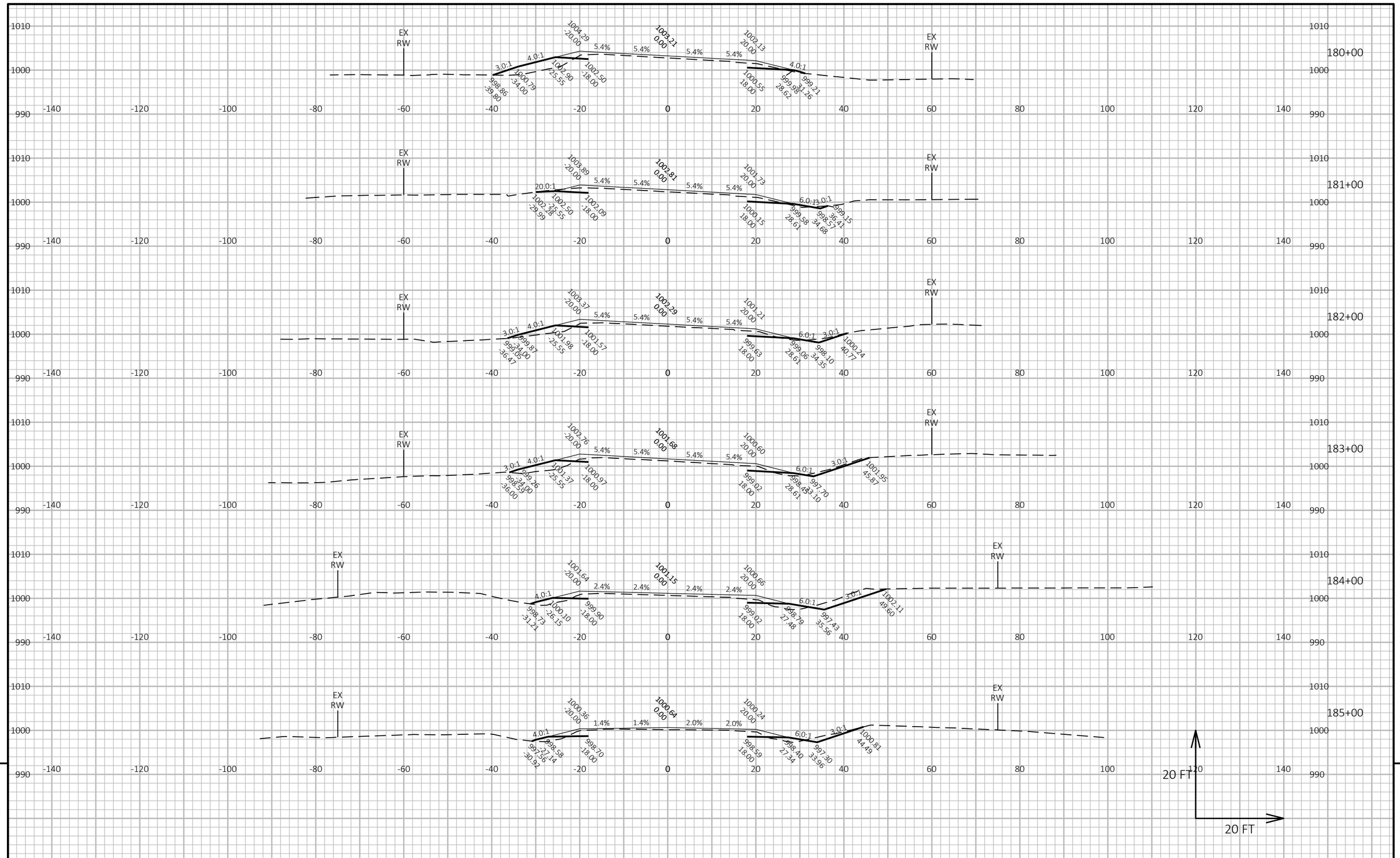


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 433 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 34

PLOT DATE : 7/19/2022 11:10 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

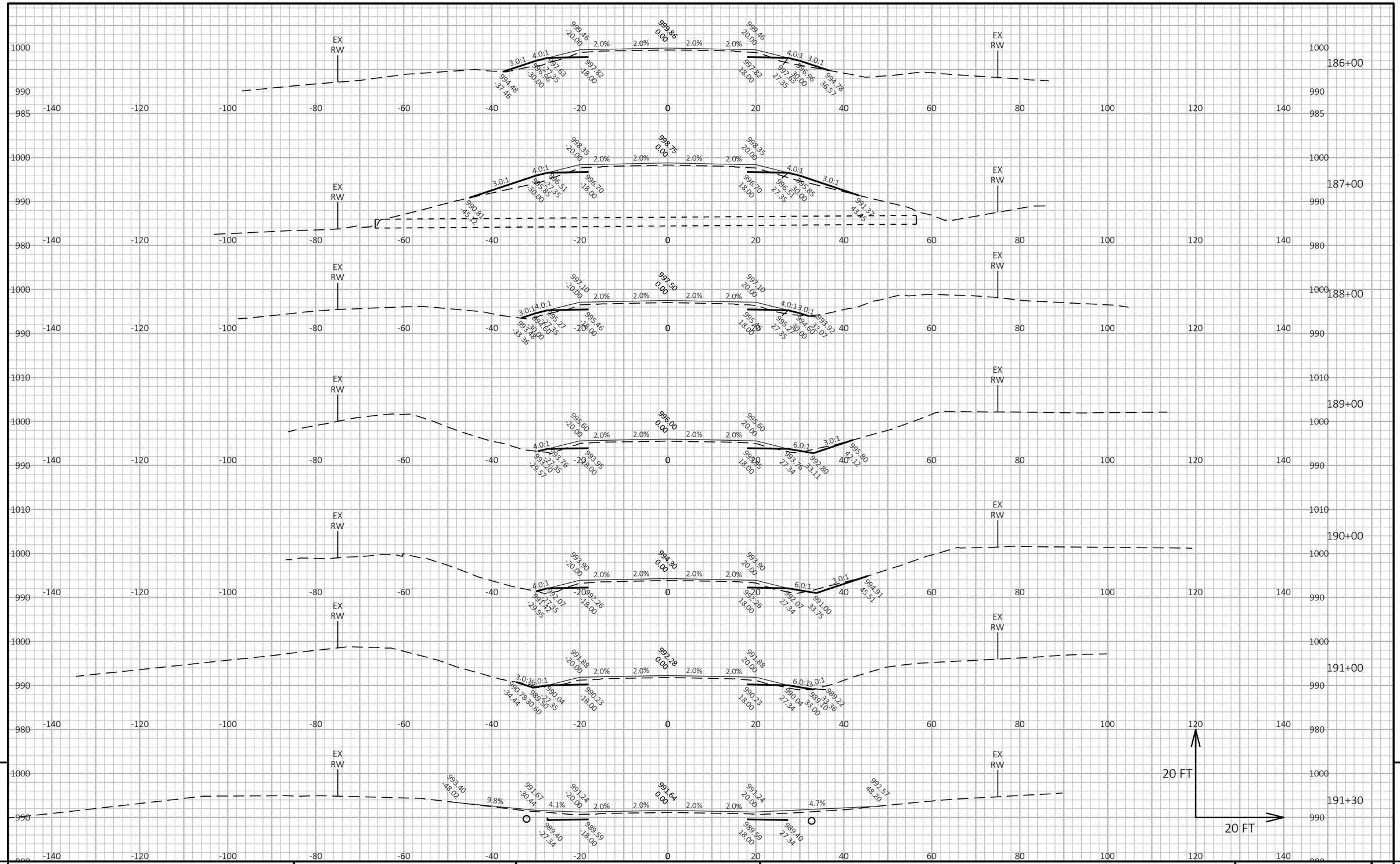


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 434	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 35

PLOT DATE : 7/19/2022 11:10 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 435	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 36

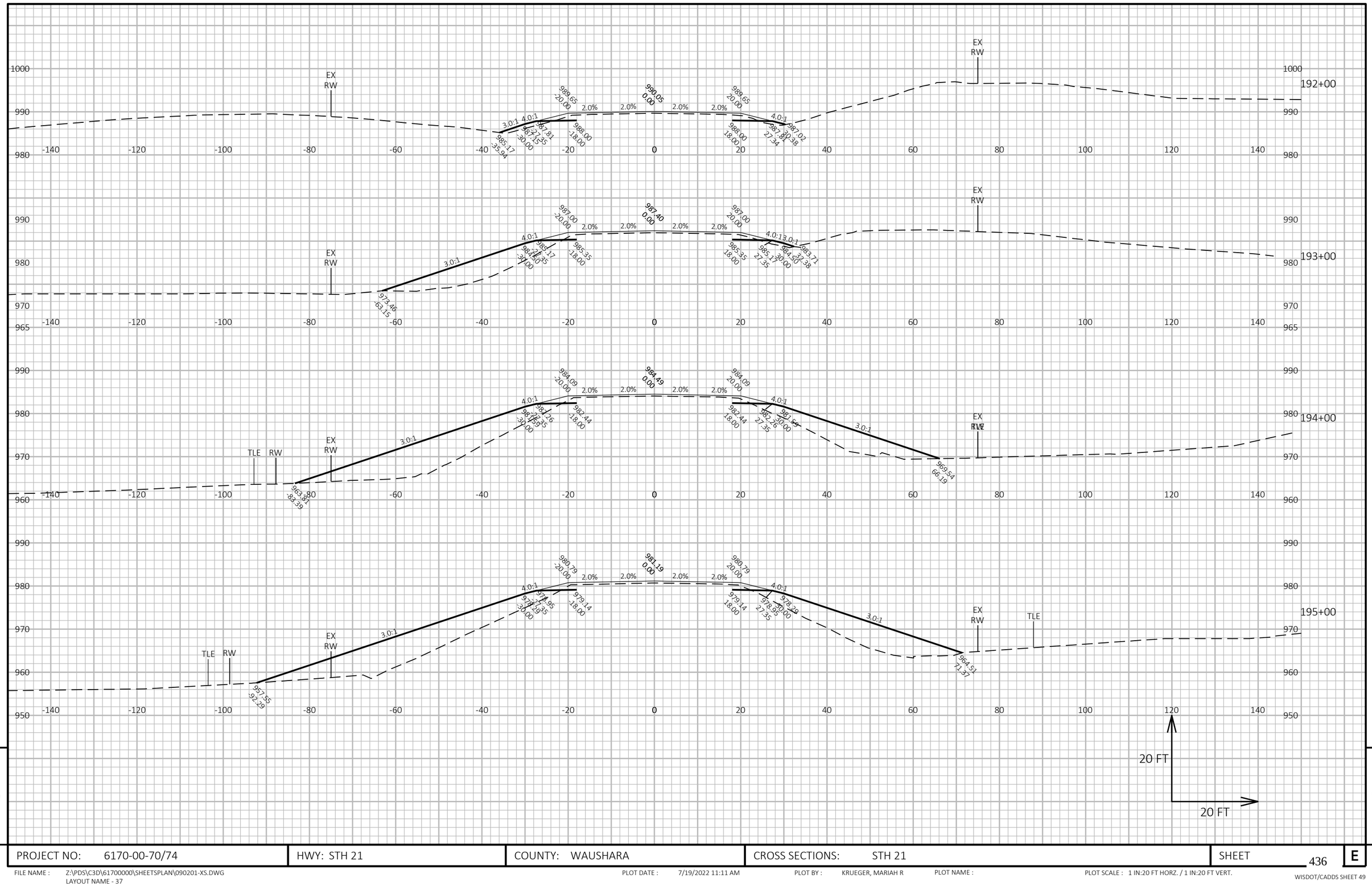
PLOT DATE : 7/19/2022 11:11 AM

PLOT BY : KRUEGER, MARIAH R

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

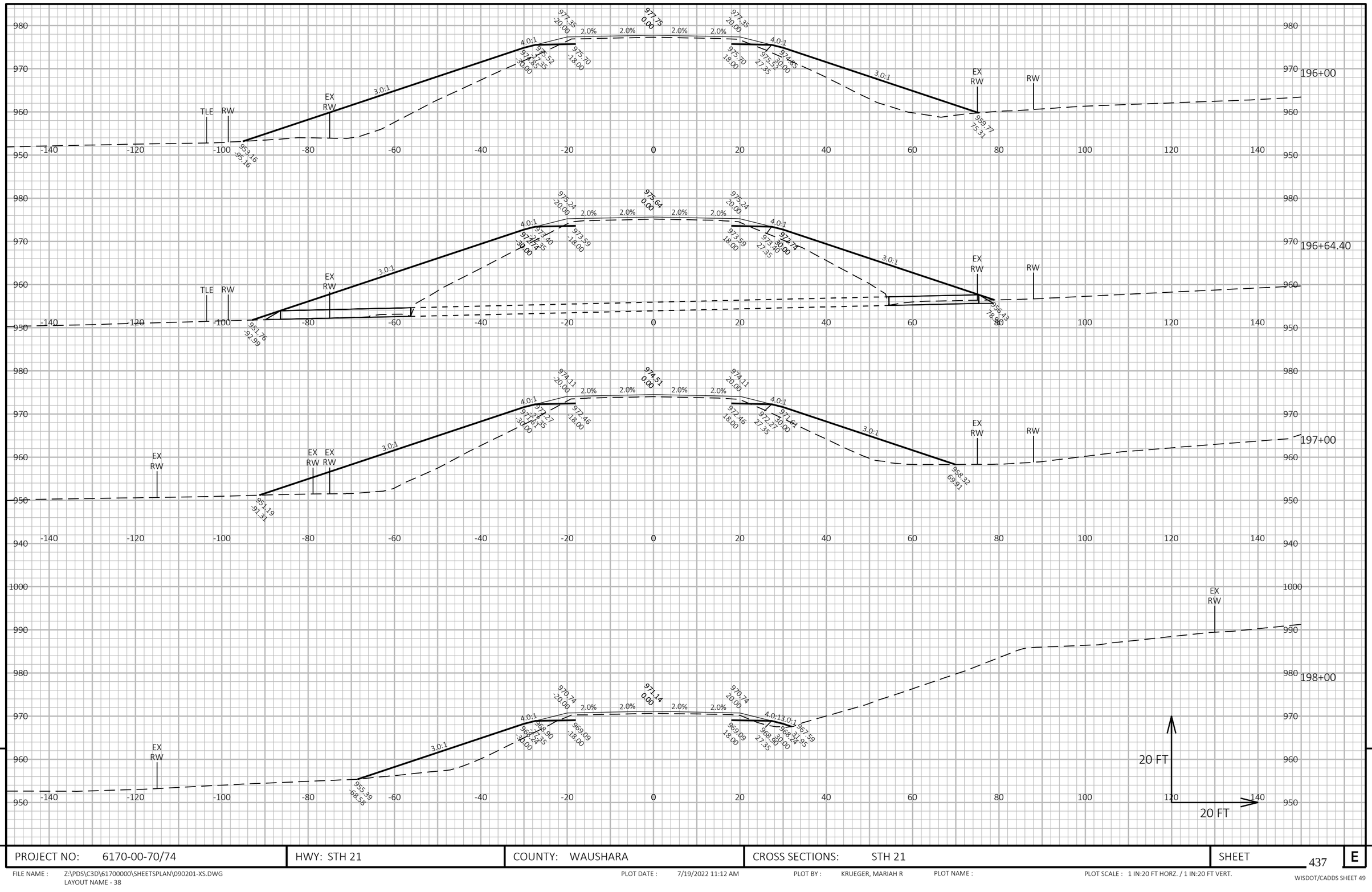
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 436	E

9

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 37

PLOT DATE : 7/19/2022 11:11 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

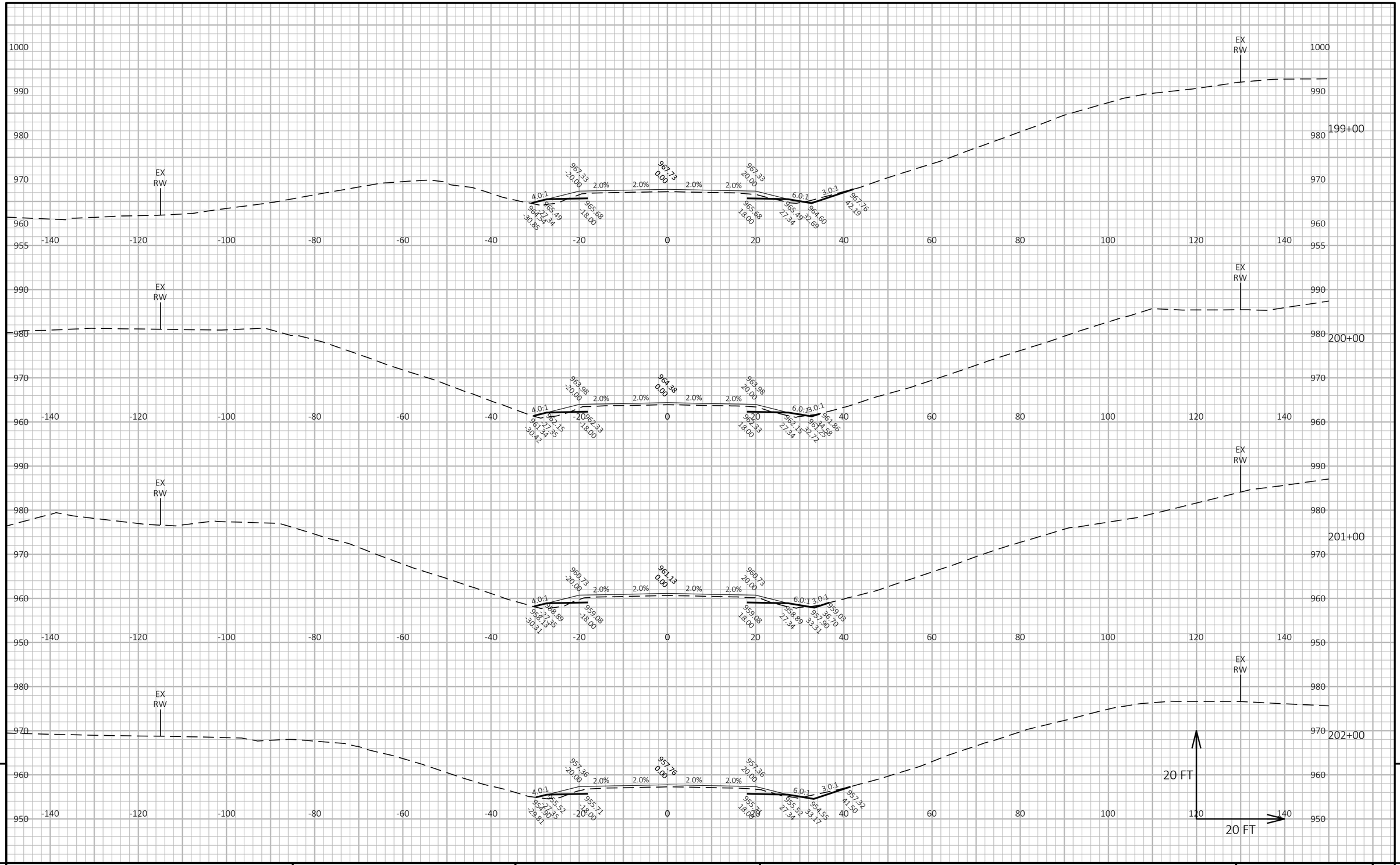


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 437 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 38

PLOT DATE : 7/19/2022 11:12 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

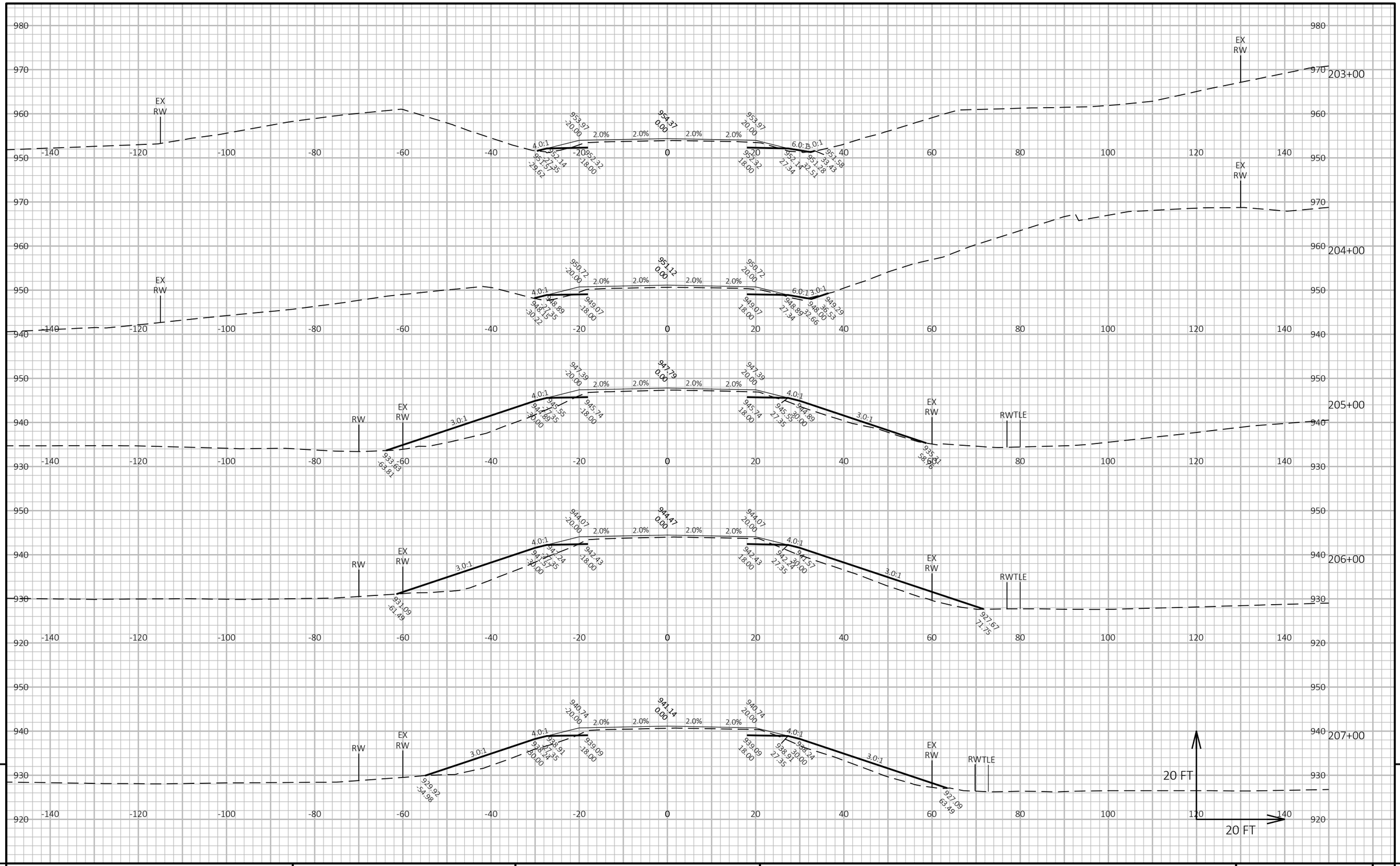


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 438	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 39

PLOT DATE : 7/19/2022 11:13 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 439 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 40

PLOT DATE : 7/19/2022 11:13 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

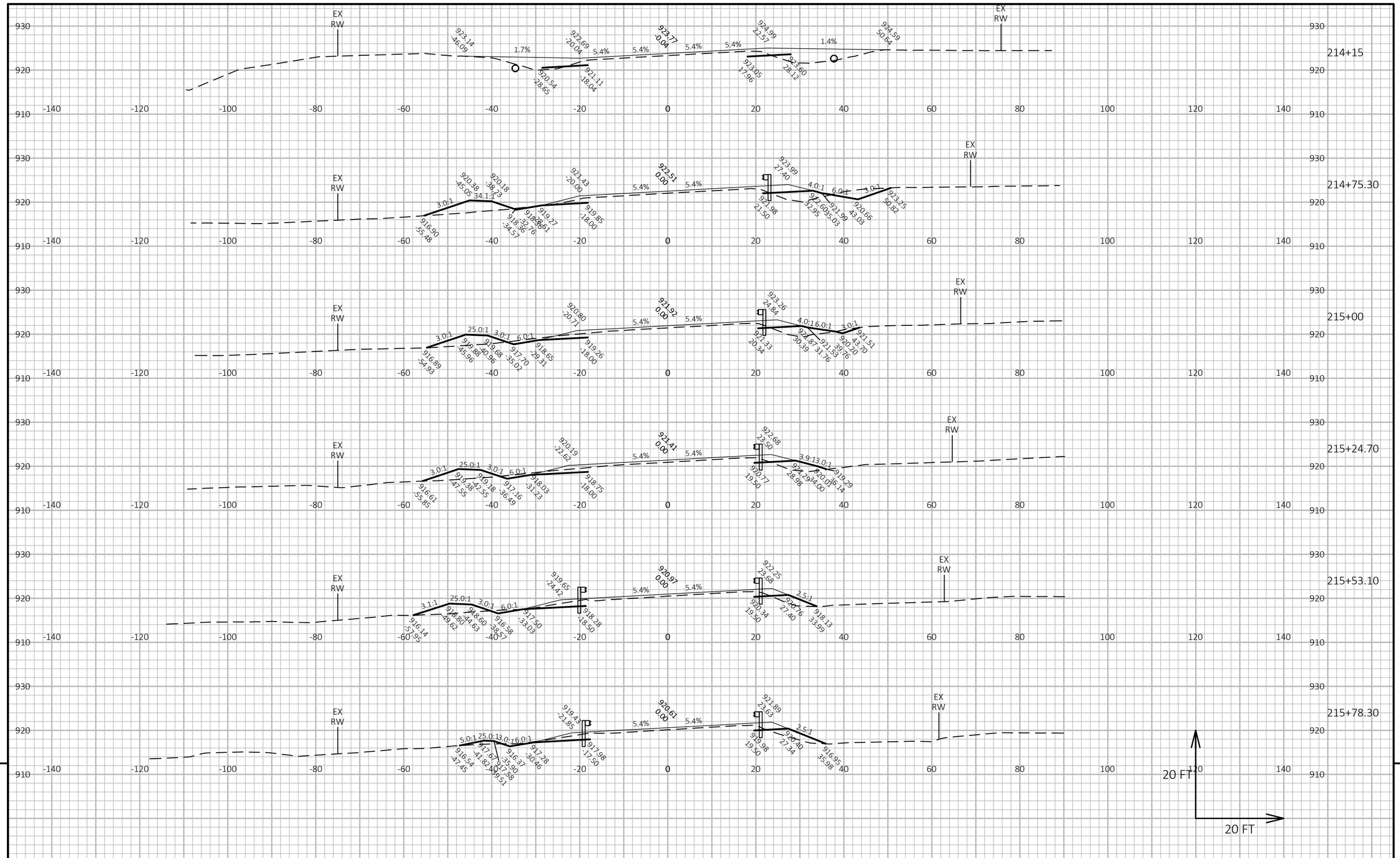


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 440	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 41

PLOT DATE : 7/19/2022 11:14 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

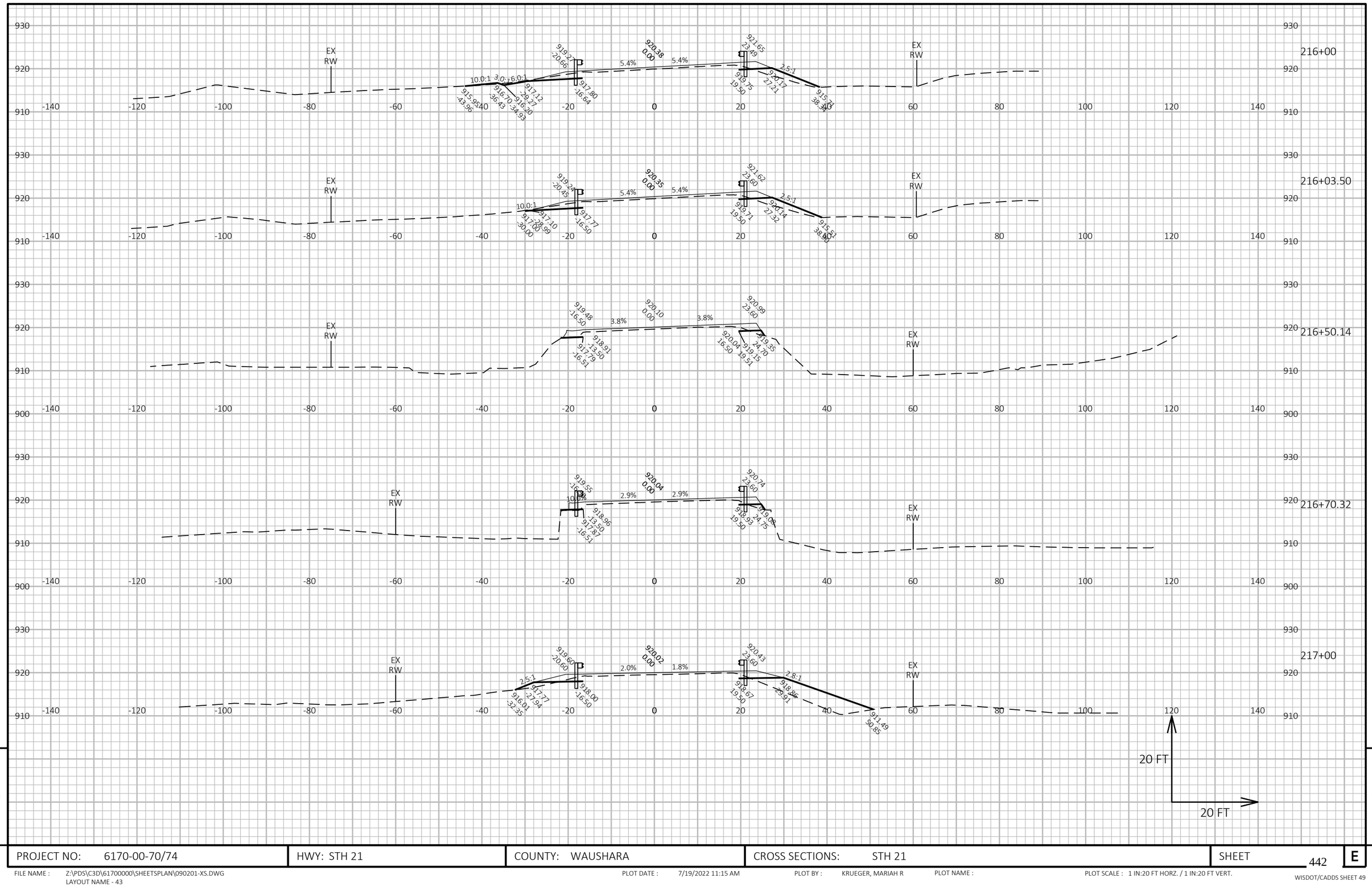


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 441	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 42

PLOT DATE : 7/19/2022 11:14 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



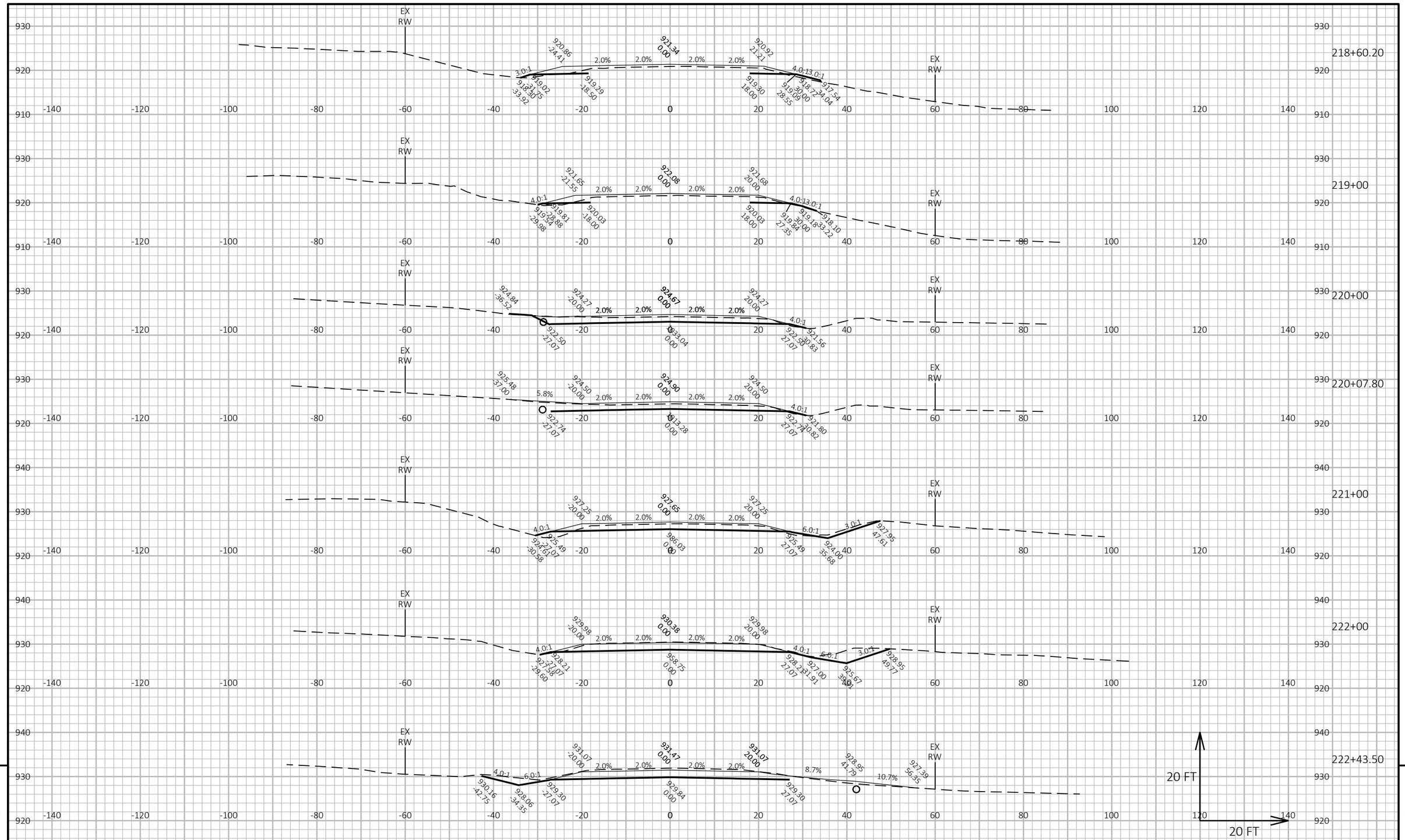
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 442	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 43
PLOT DATE : 7/19/2022 11:15 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 443	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 44
PLOT DATE : 7/19/2022 11:15 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

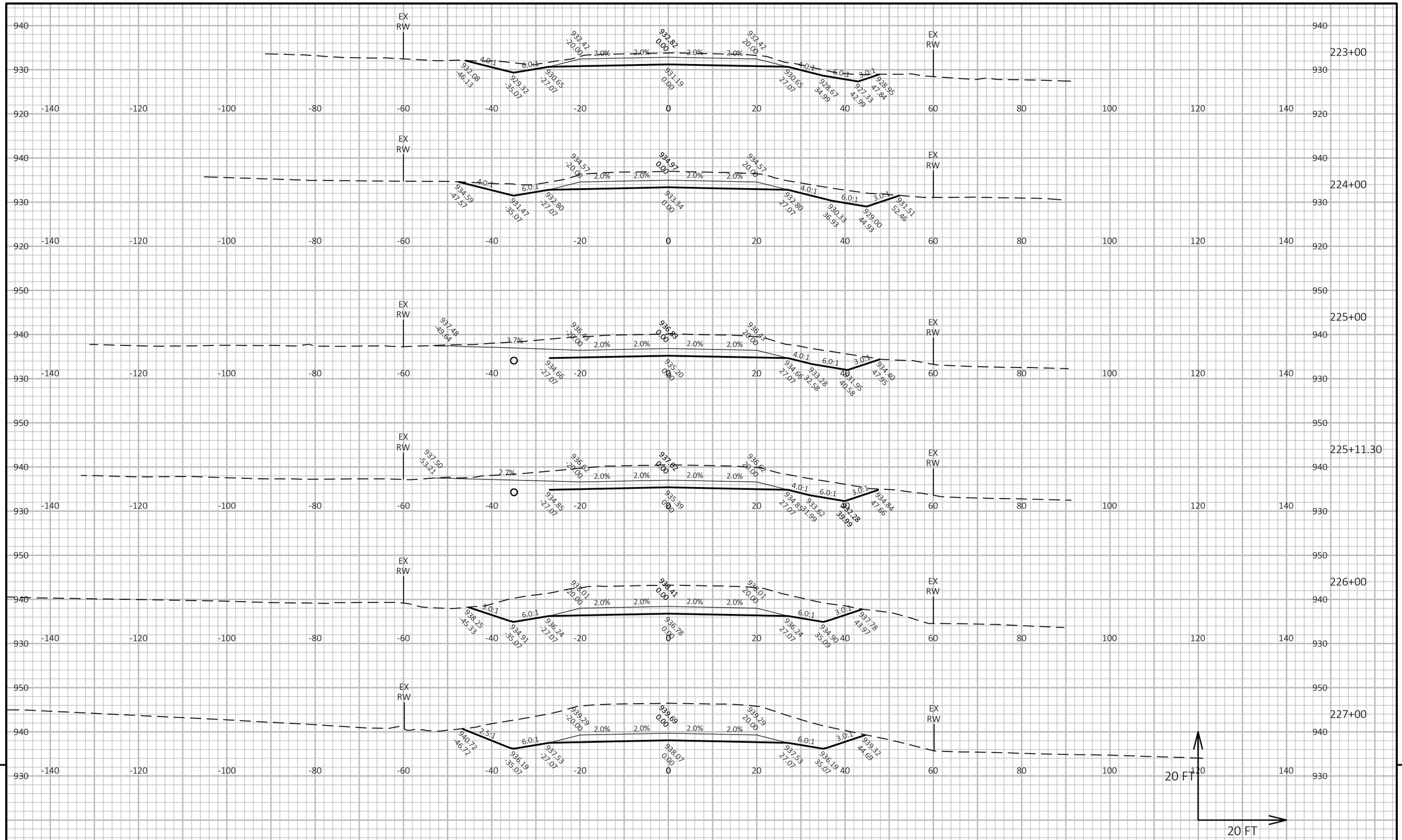


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 444	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 45

PLOT DATE : 7/19/2022 11:16 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

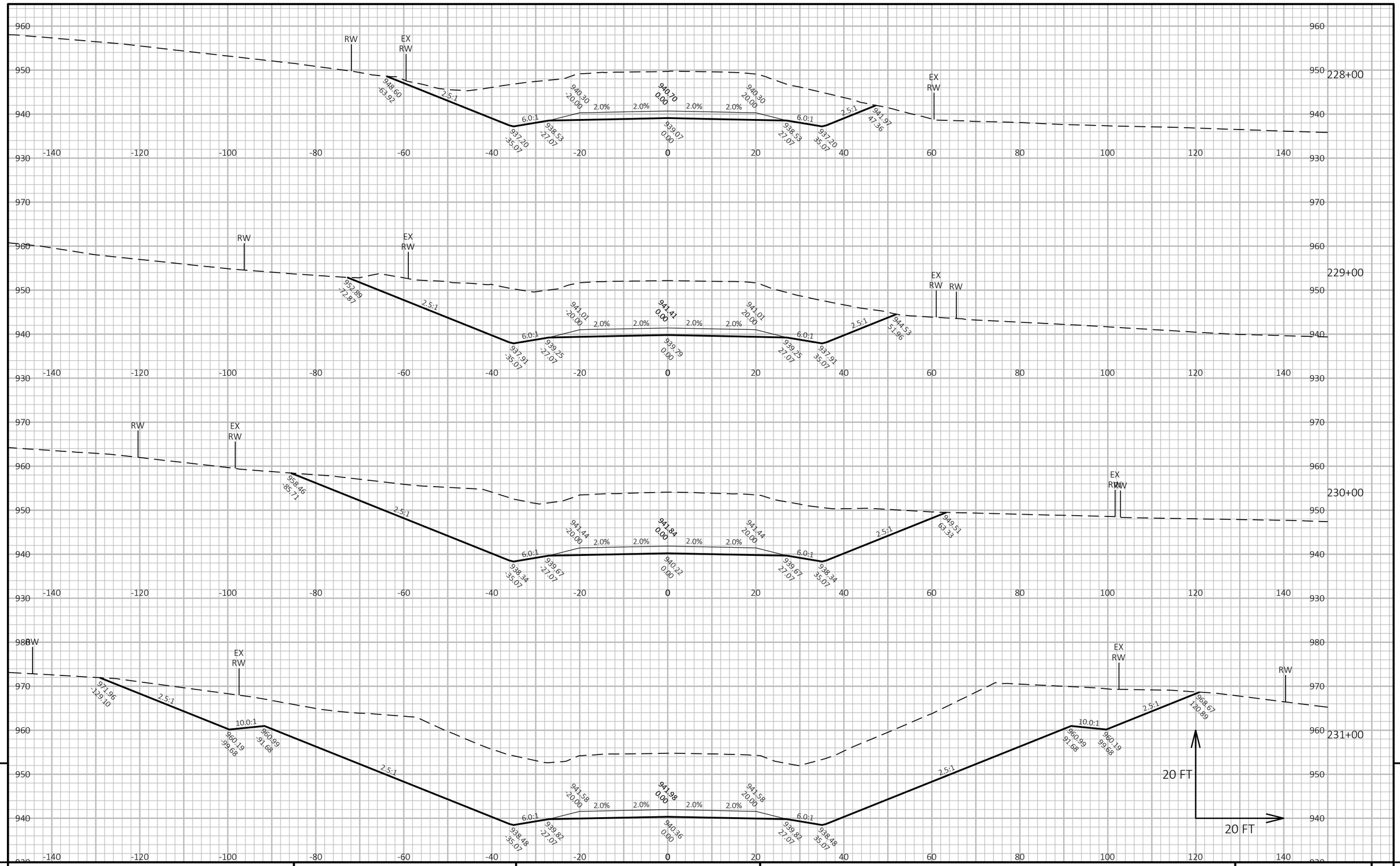


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 445	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 46

PLOT DATE : 7/19/2022 11:16 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



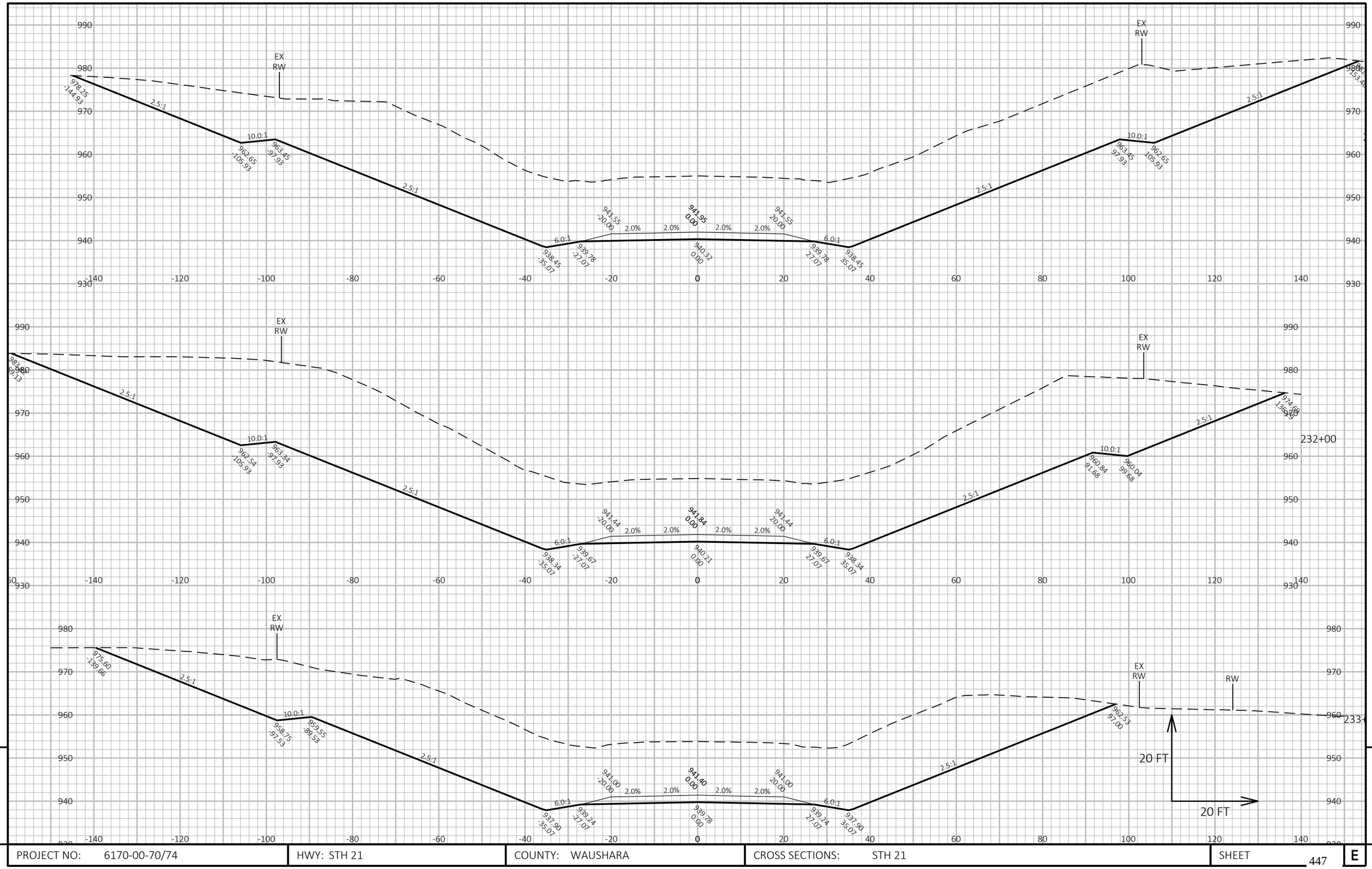
9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 446	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 47

PLOT DATE : 7/19/2022 11:17 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

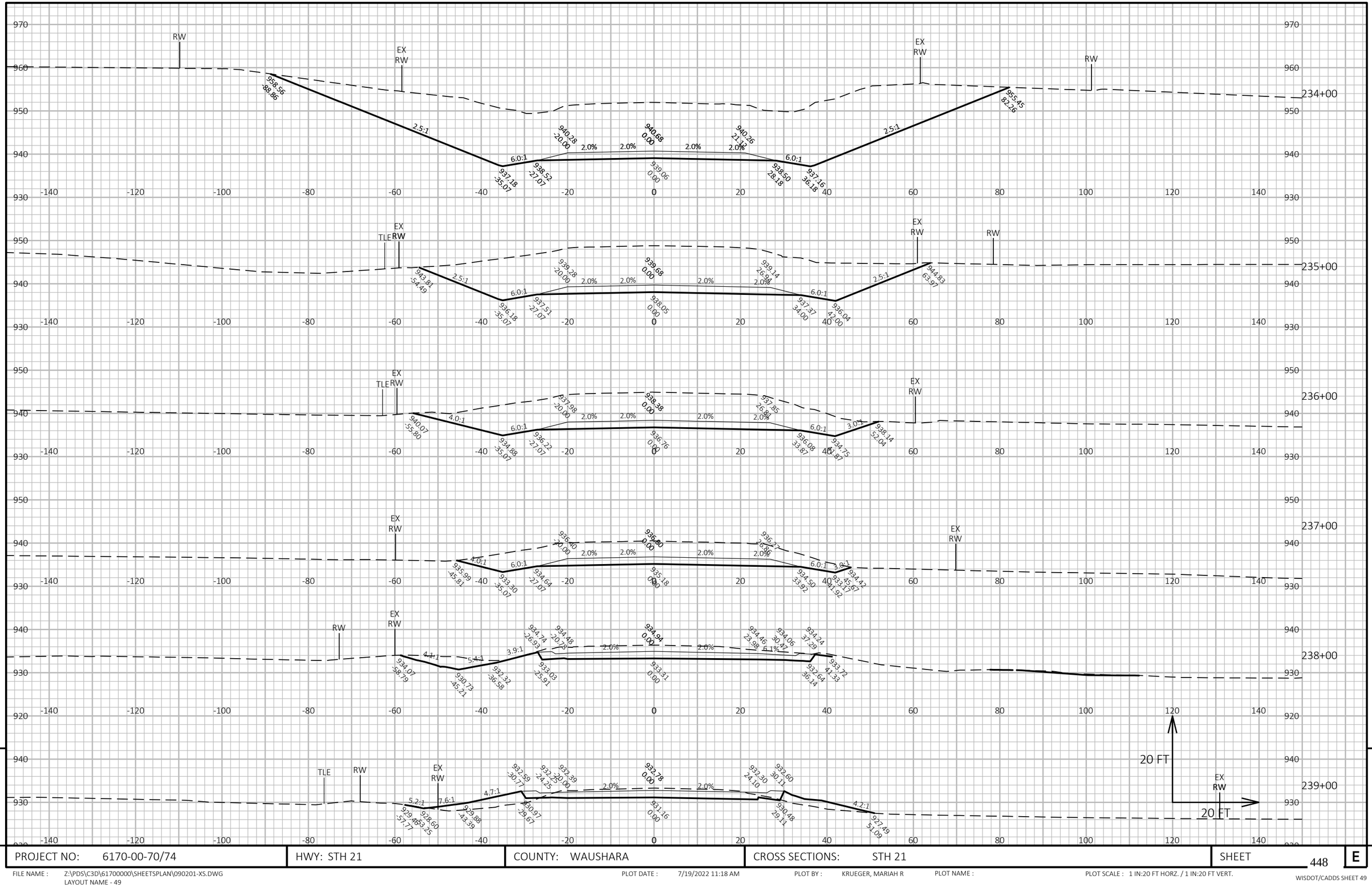
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 447	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 48

PLOT DATE : 7/19/2022 11:17 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

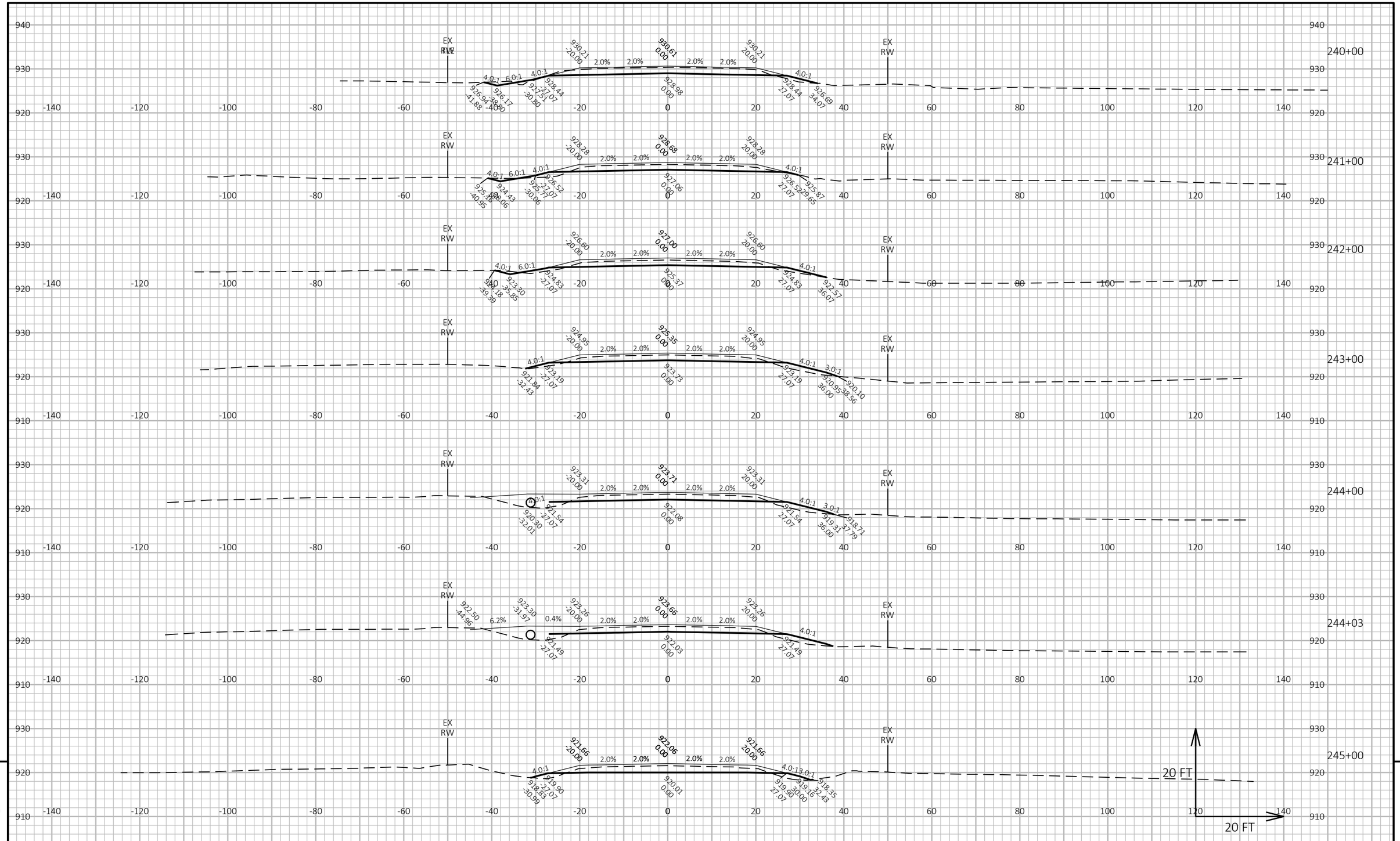
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 448	E

9

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 49

PLOT DATE : 7/19/2022 11:18 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

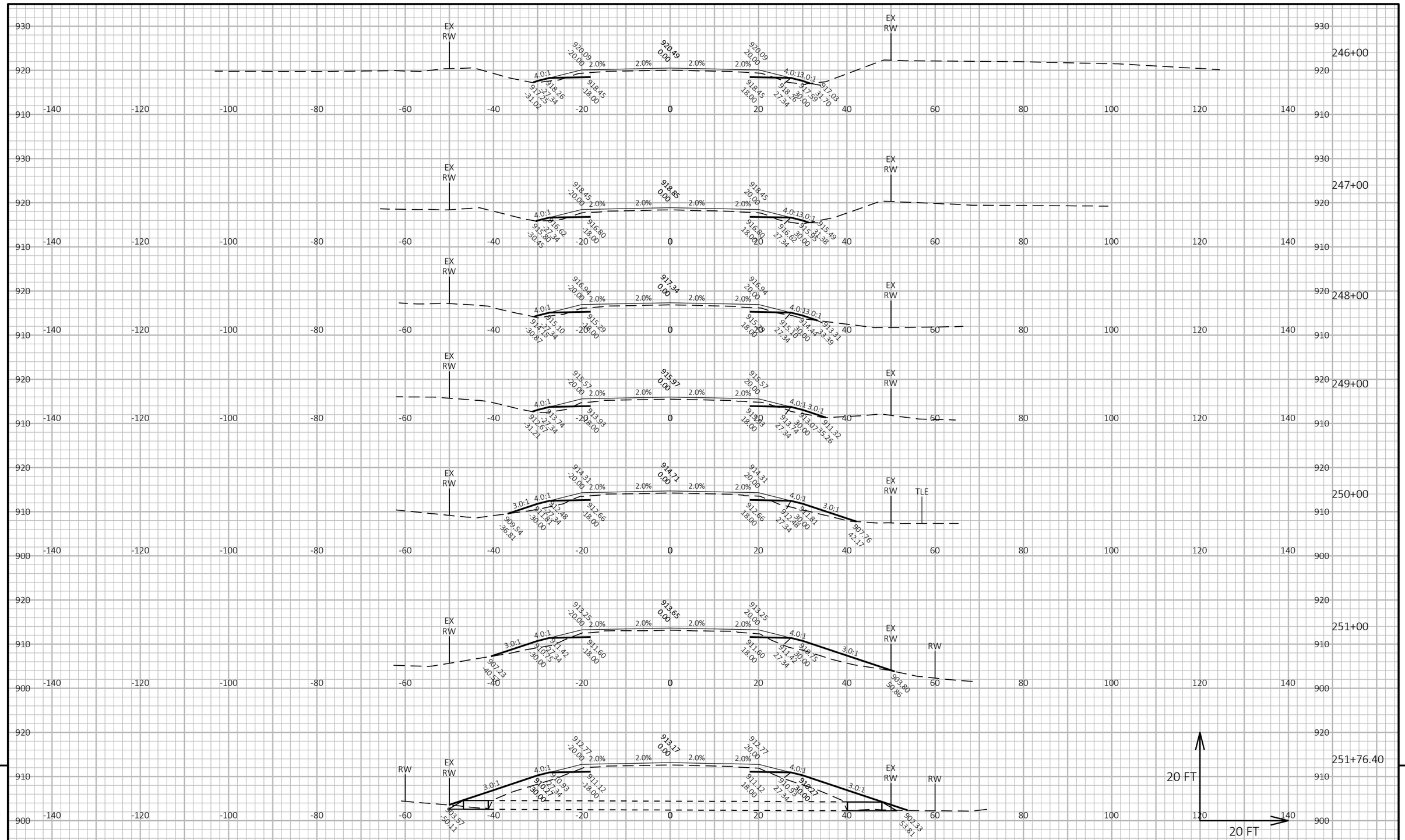


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 449	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 50

PLOT DATE : 7/19/2022 11:18 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

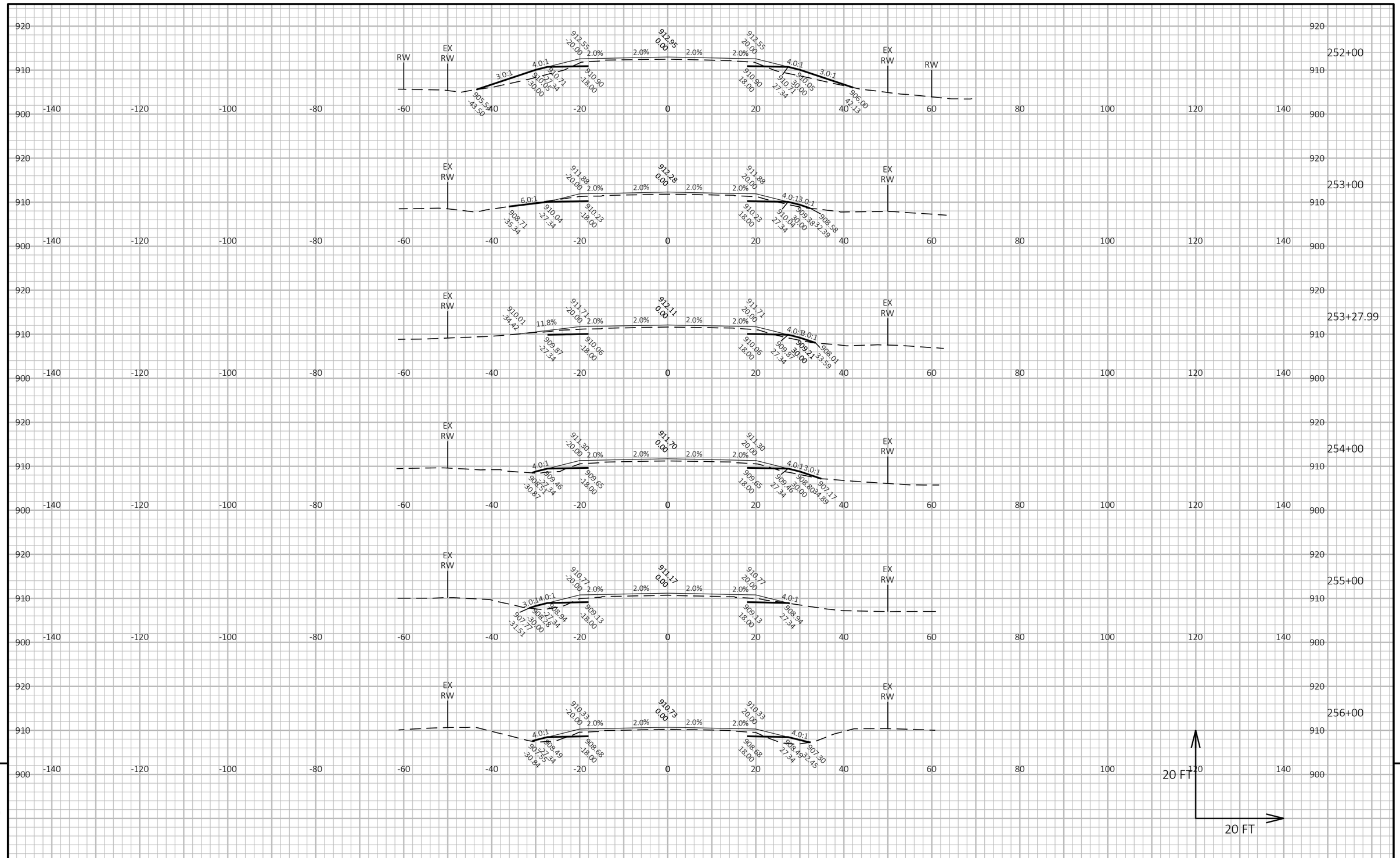


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 450	E

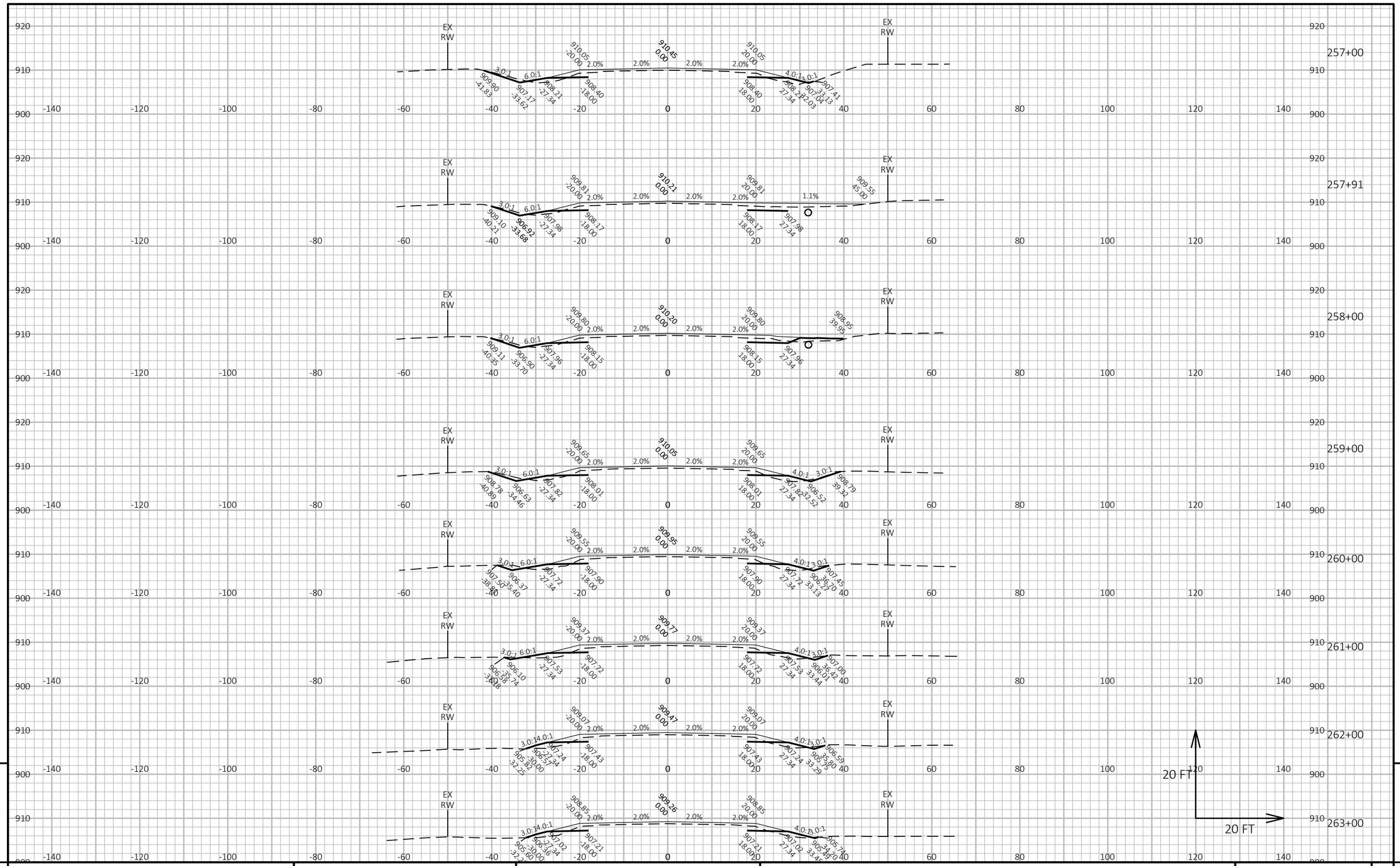
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 51

PLOT DATE : 7/19/2022 11:19 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 451	E

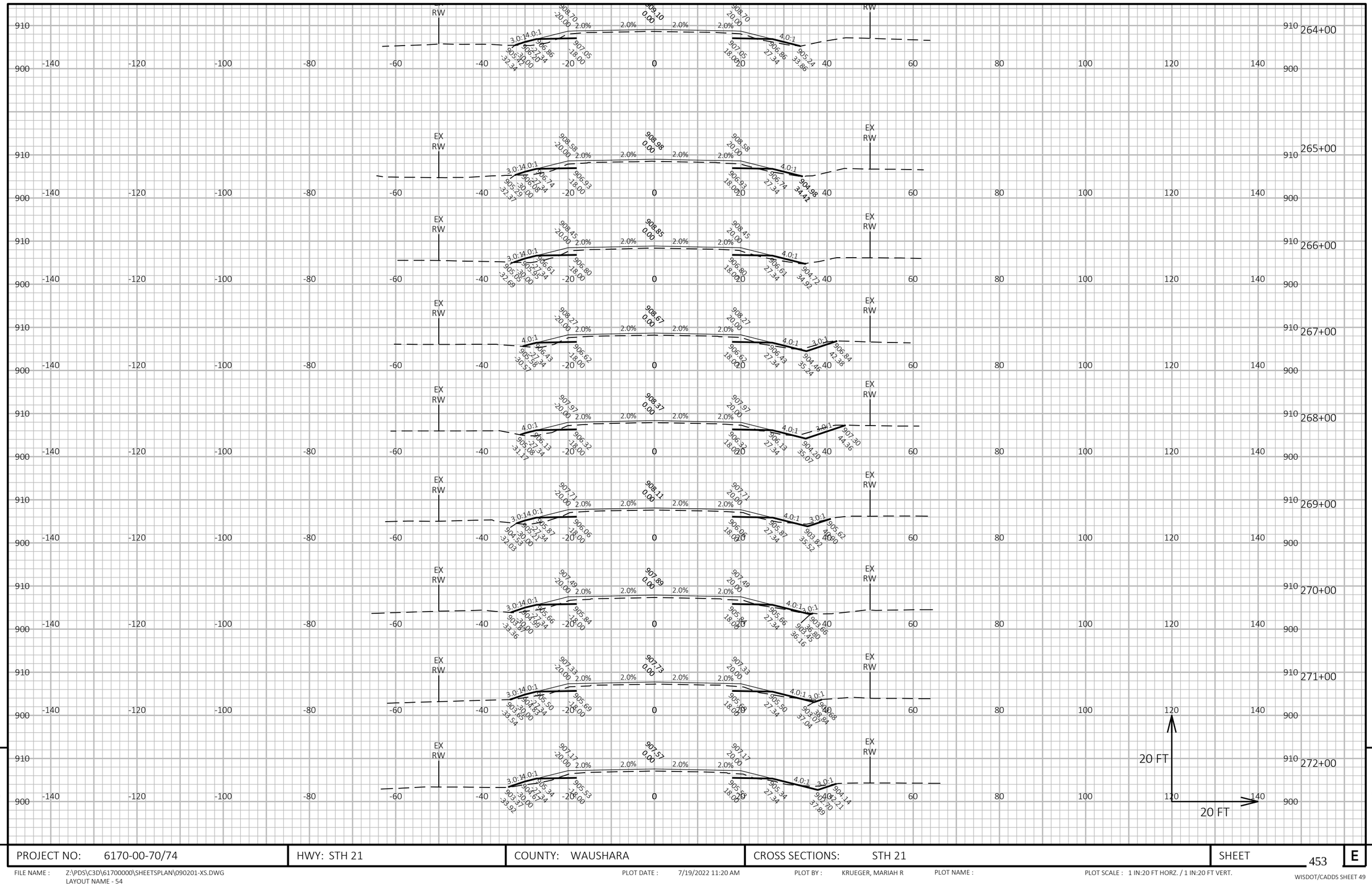


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 452	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 53

PLOT DATE : 7/19/2022 11:20 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

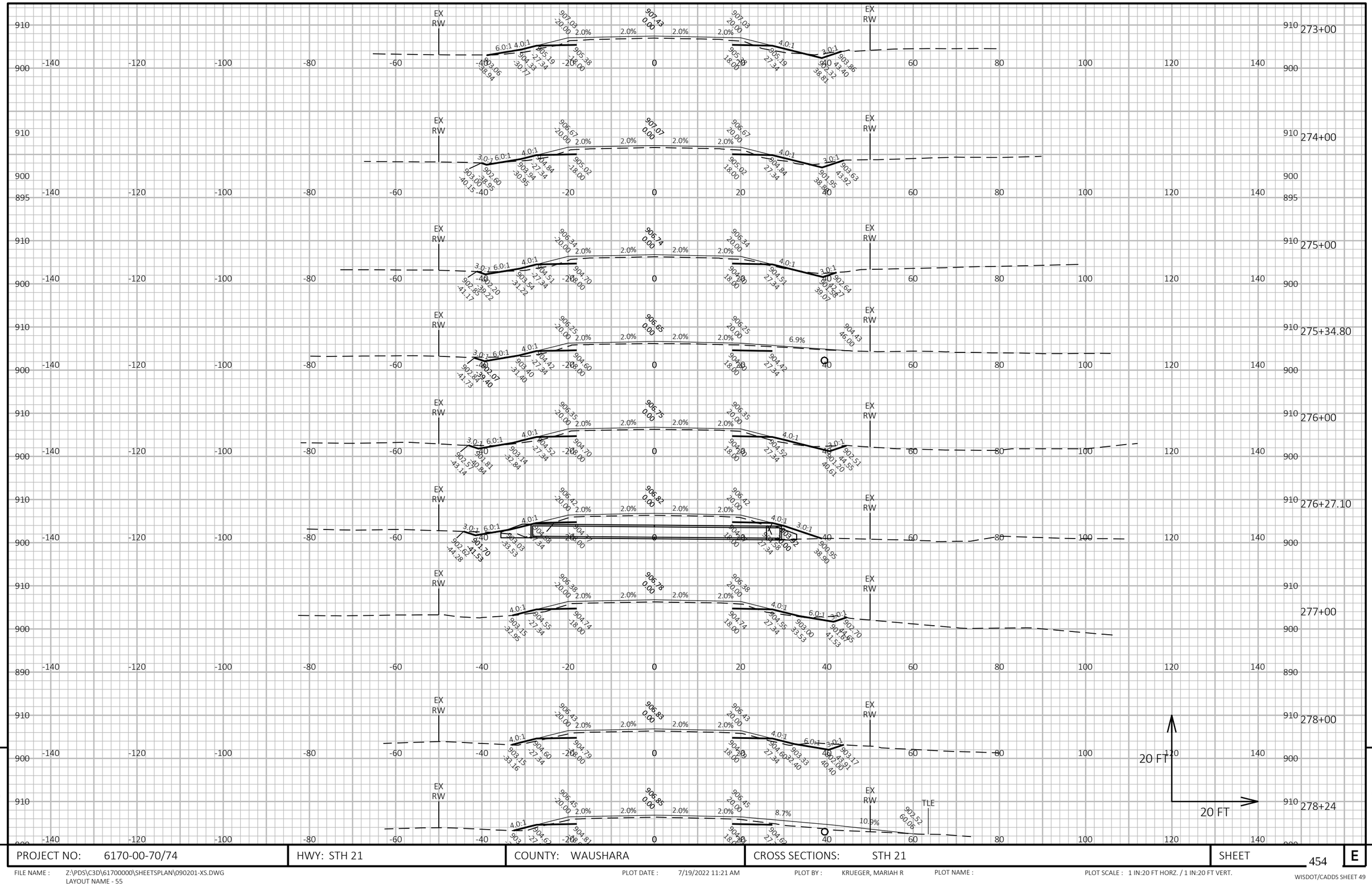
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 453	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 54

PLOT DATE : 7/19/2022 11:20 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 454	E

9

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 55

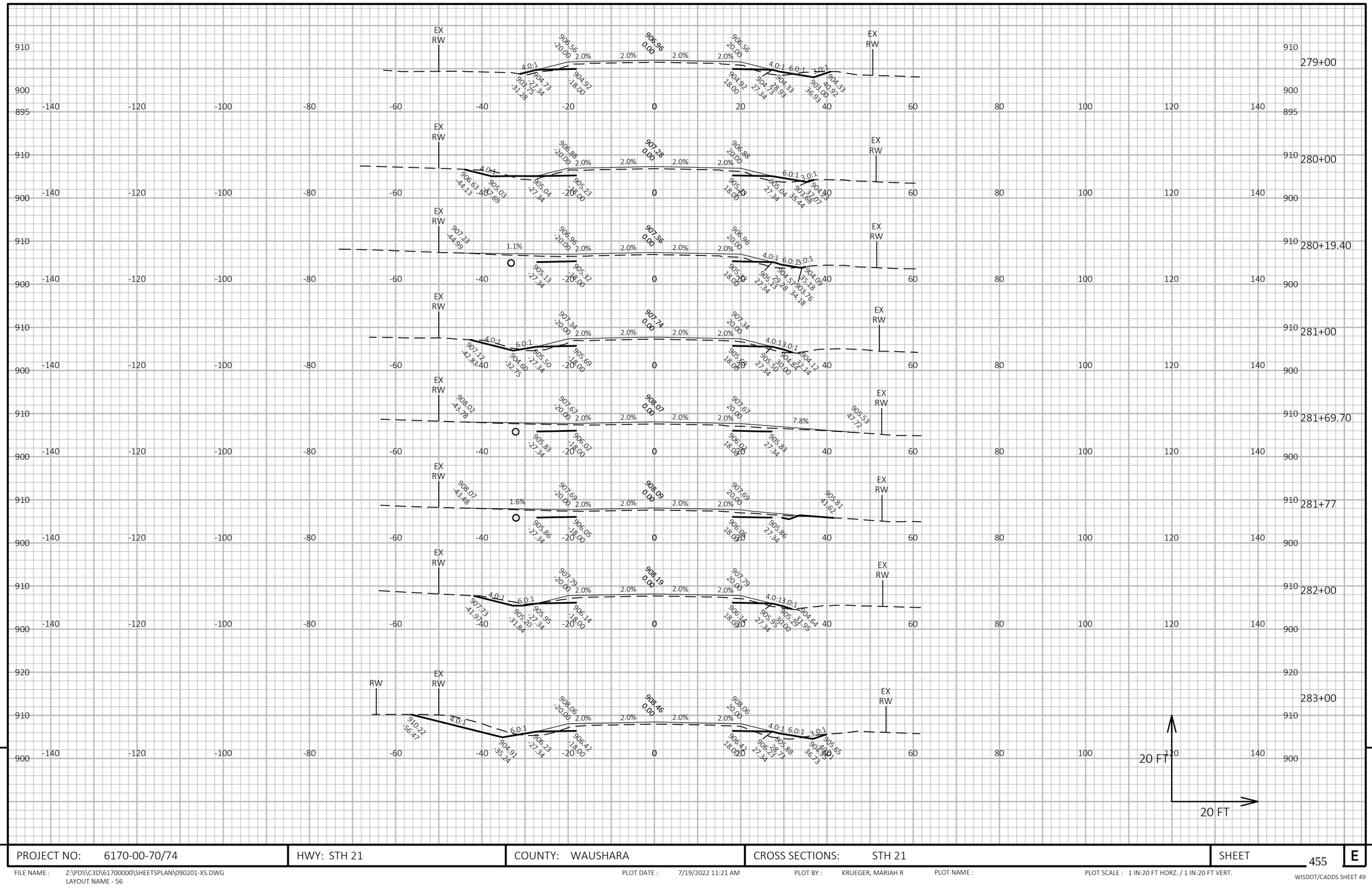
PLOT DATE : 7/19/2022 11:21 AM

PLOT BY : KRUEGER, MARIAH R

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

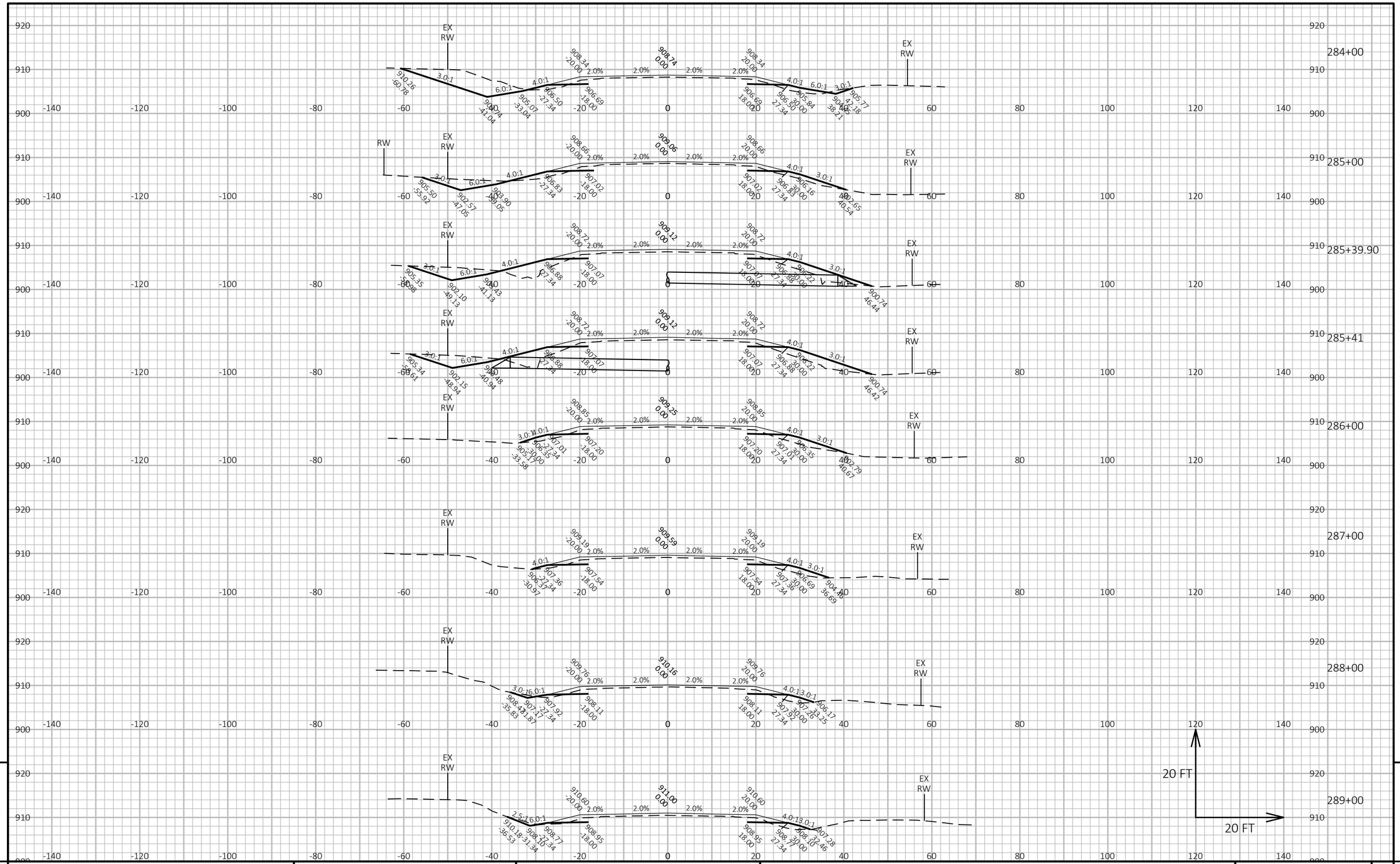


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 455	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 56

PLOT DATE : 7/19/2022 11:21 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 456	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 57

PLOT DATE : 7/19/2022 11:22 AM

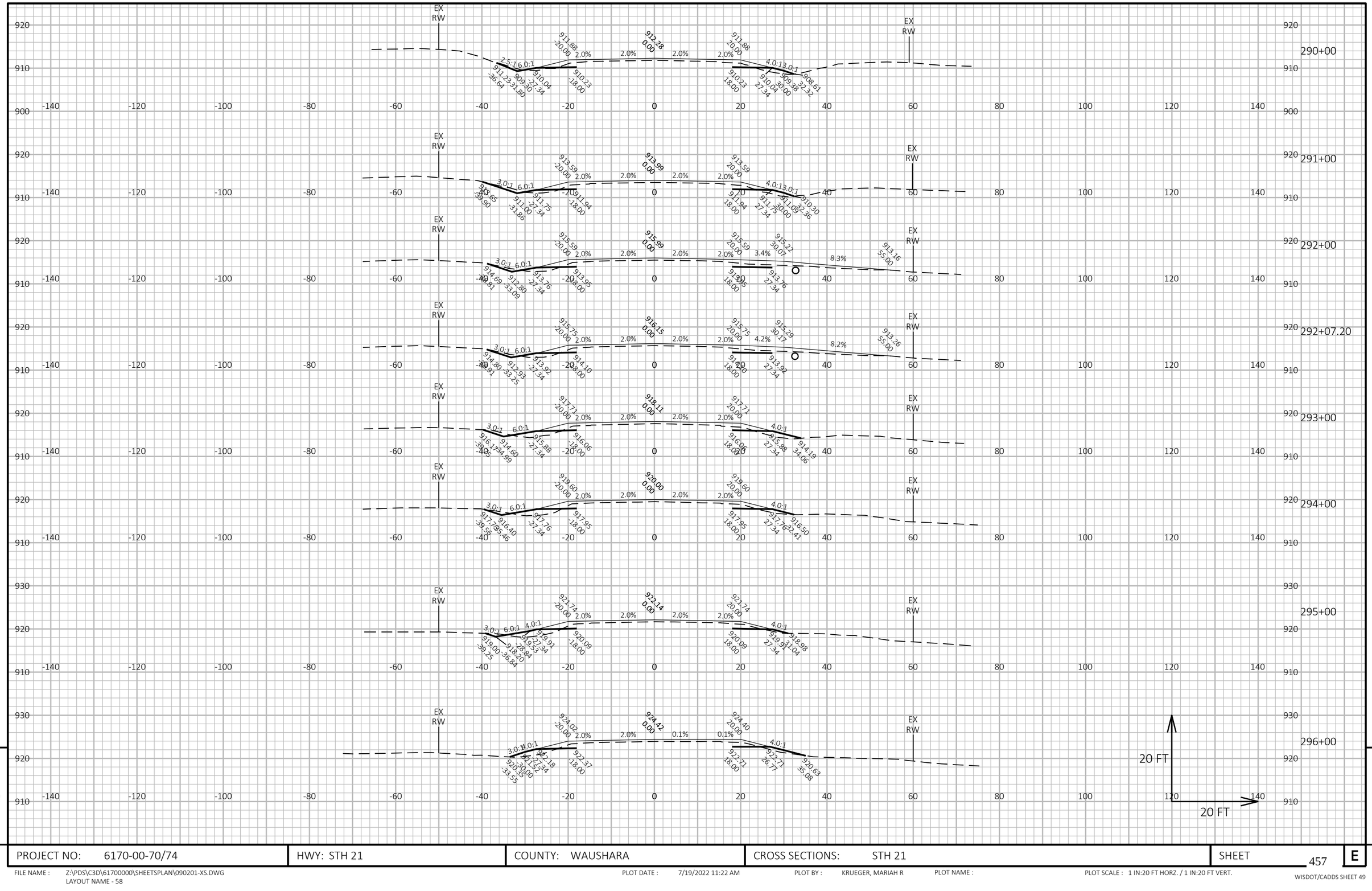
PLOT BY : KRUEGER, MARIAH R

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

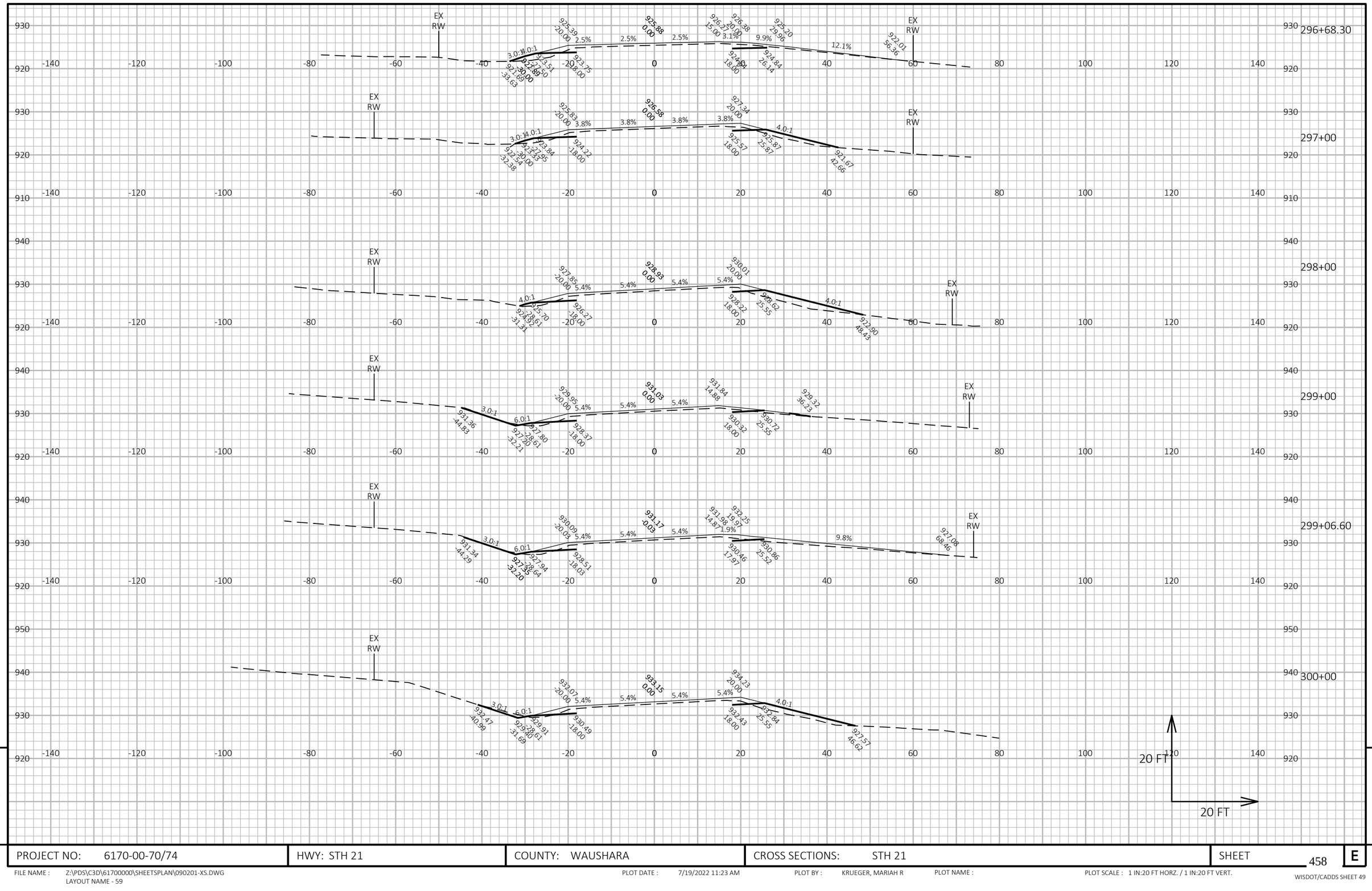


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 457	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 58

PLOT DATE : 7/19/2022 11:22 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

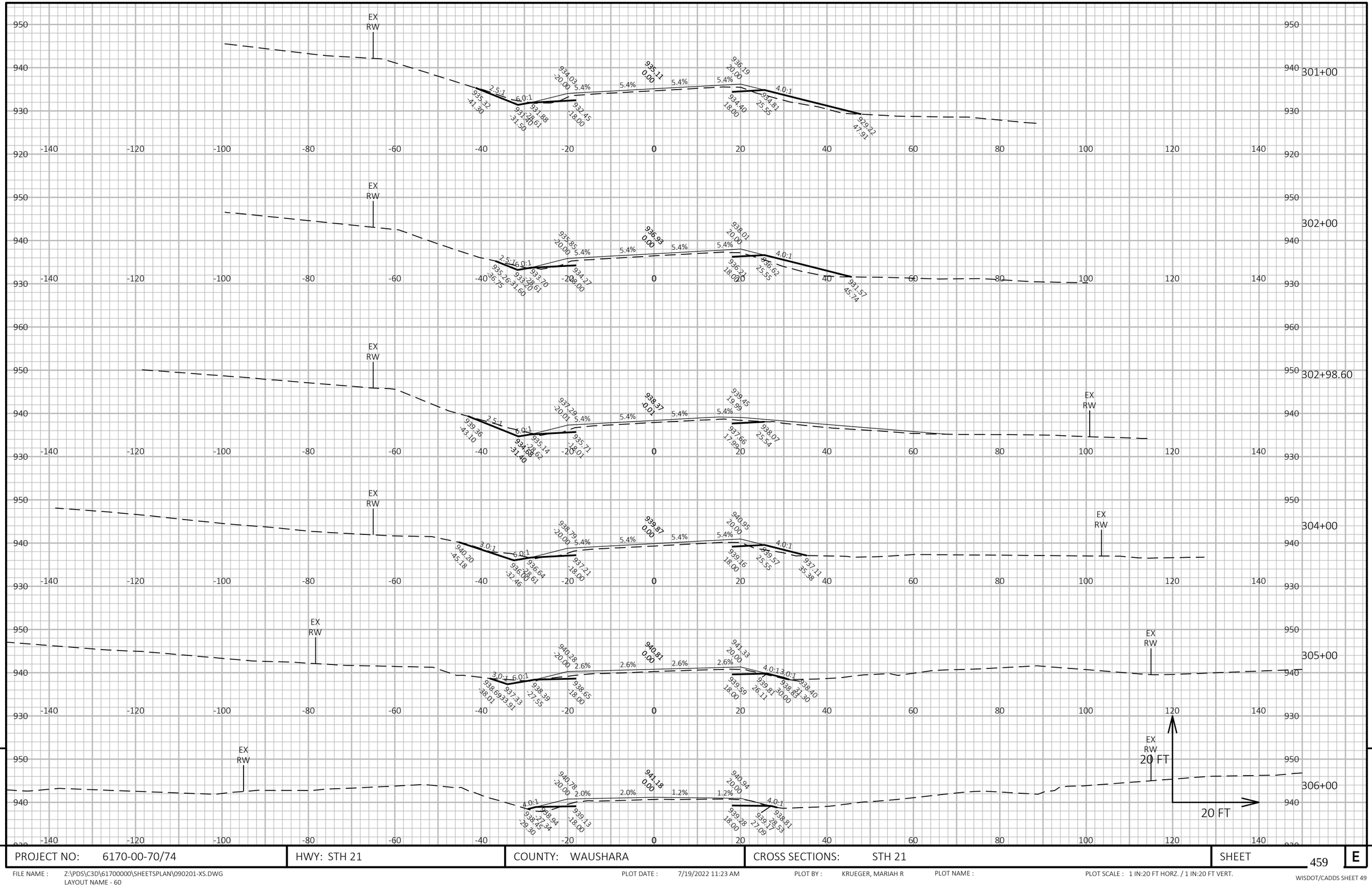


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 458	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 59

PLOT DATE : 7/19/2022 11:23 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

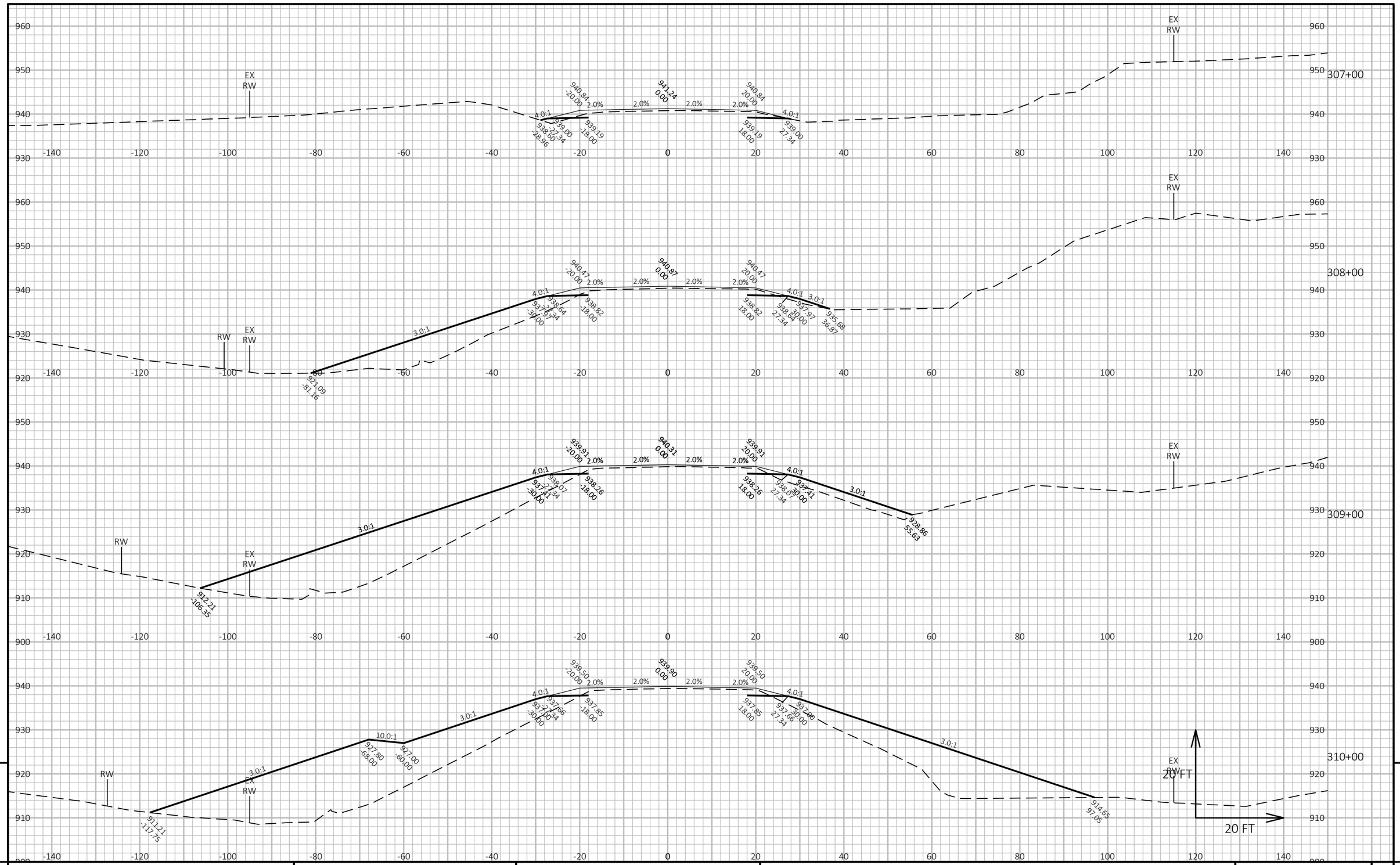


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 459 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 60

PLOT DATE : 7/19/2022 11:23 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



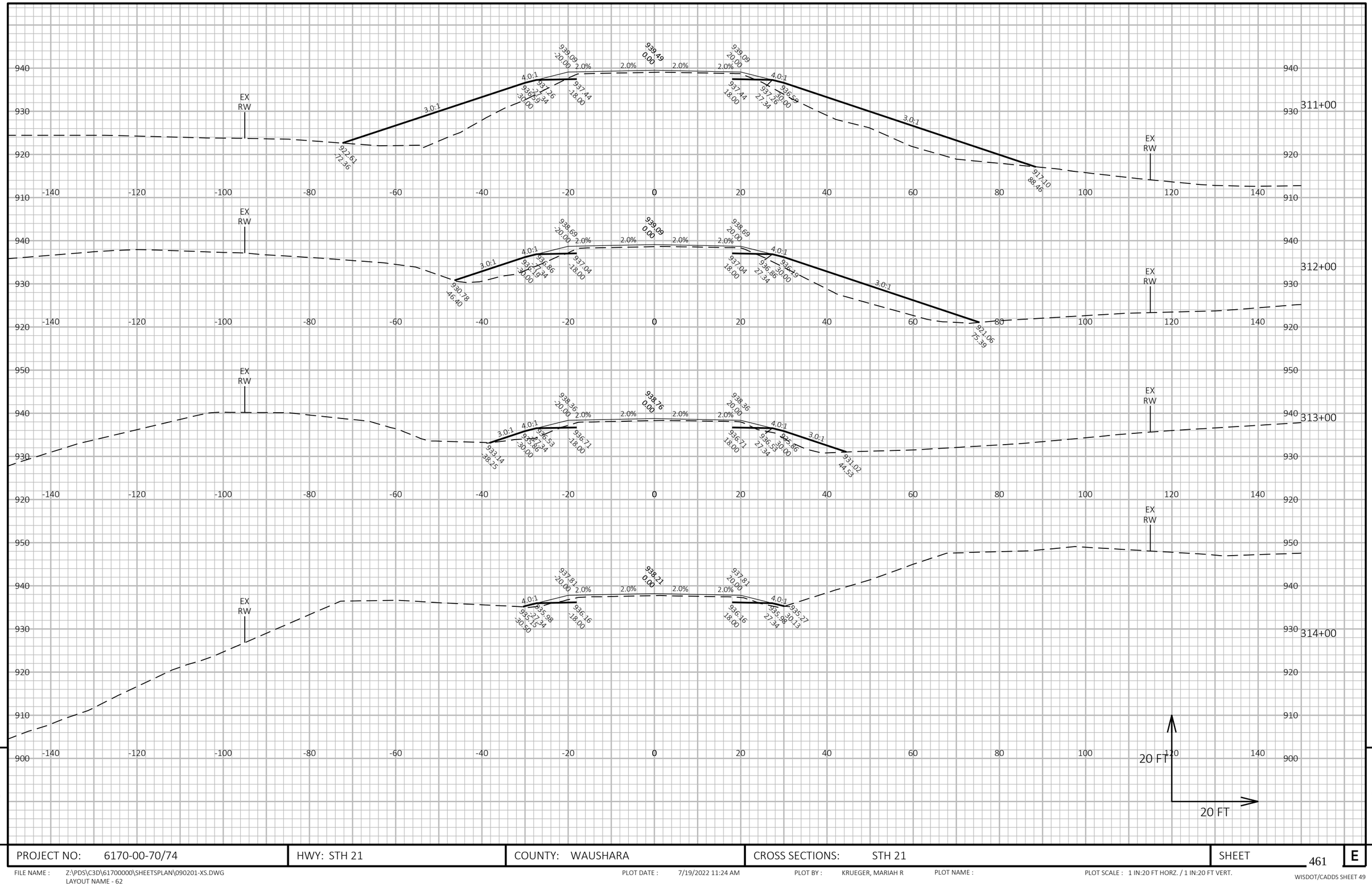
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 460	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 61

PLOT DATE : 7/19/2022 11:24 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

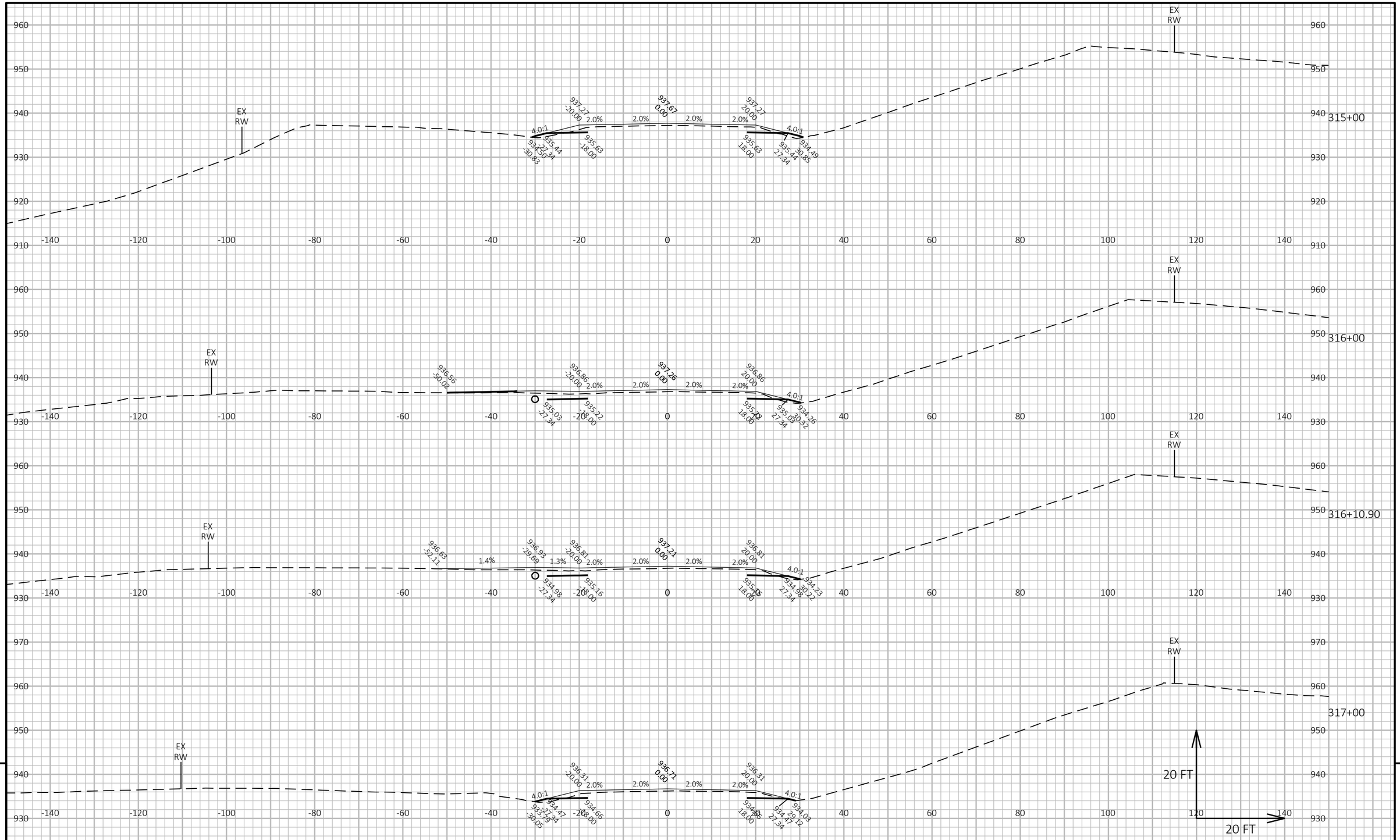


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 461	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 62

PLOT DATE : 7/19/2022 11:24 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

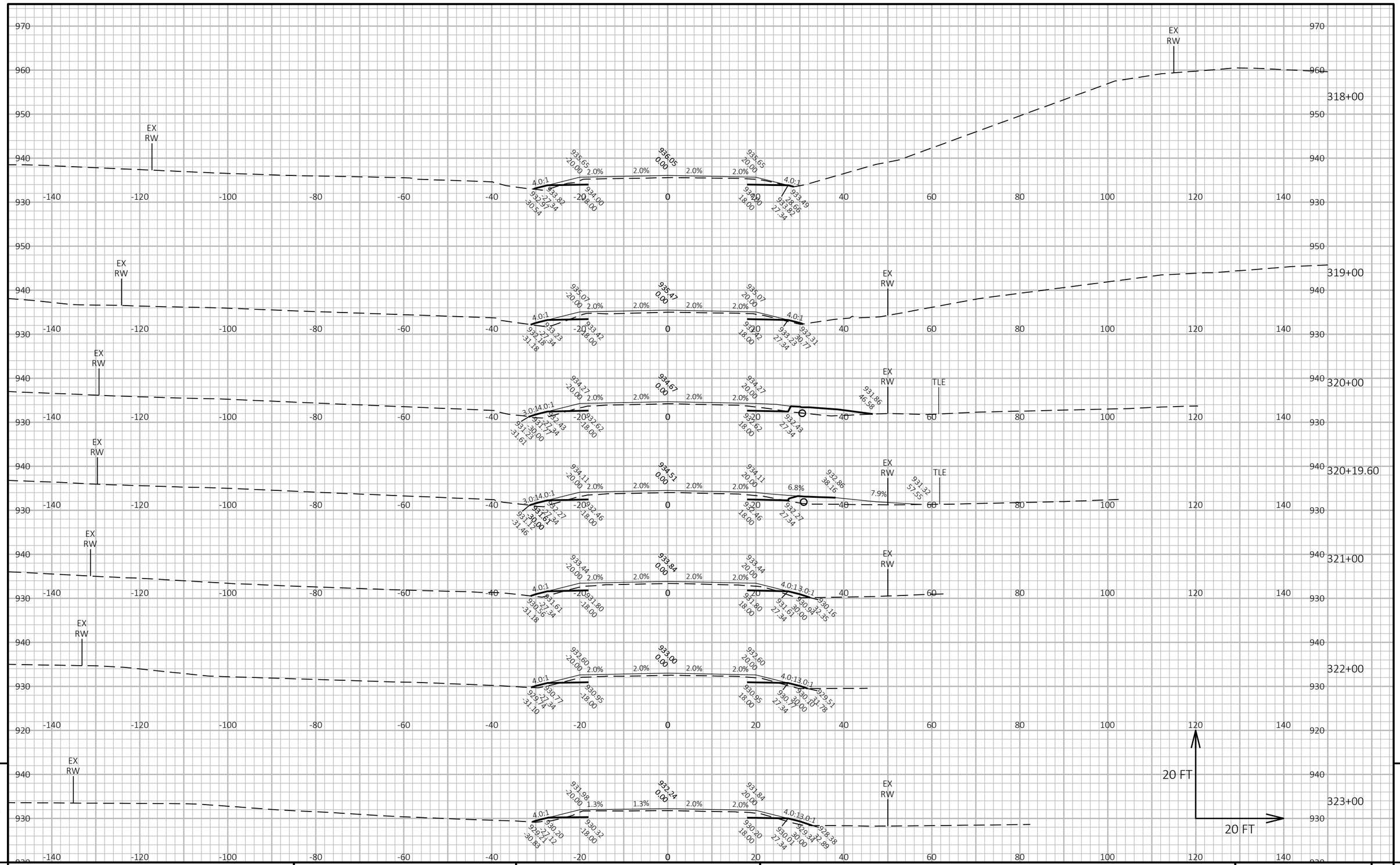


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 462	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 63

PLOT DATE : 7/19/2022 11:25 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

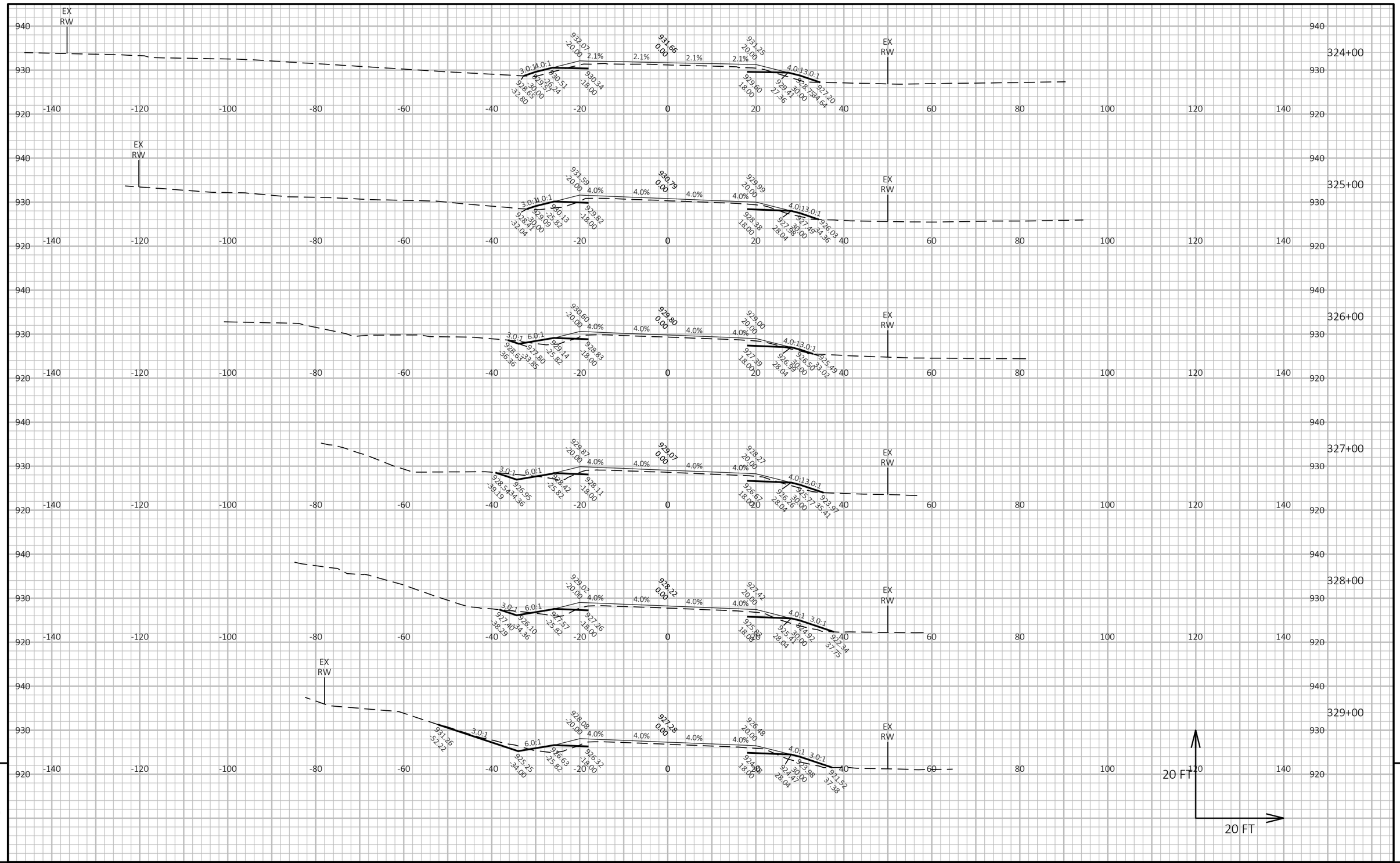
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 463	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 64

PLOT DATE : 7/19/2022 11:25 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

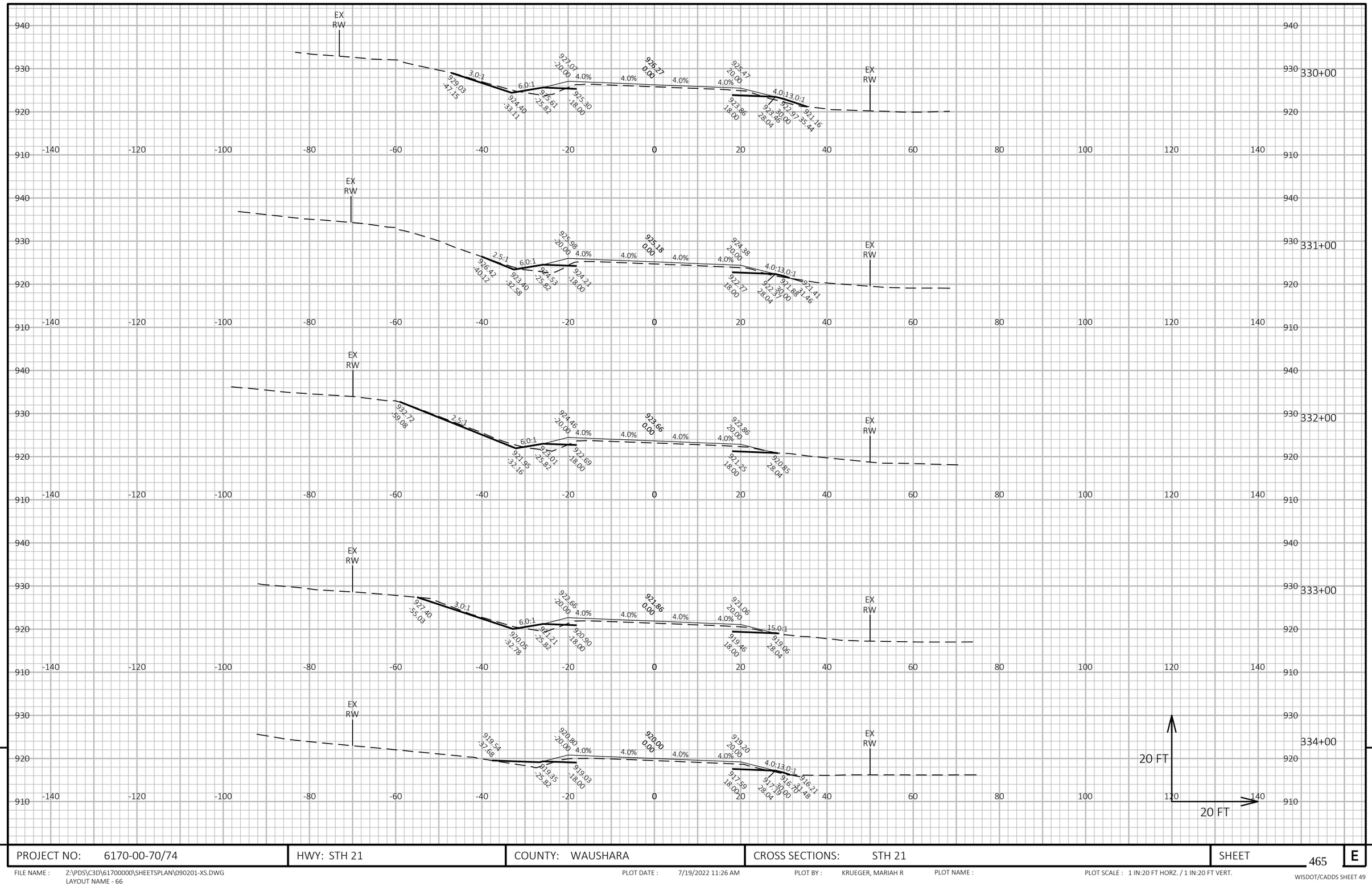


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 464	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 65

PLOT DATE : 7/19/2022 11:26 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

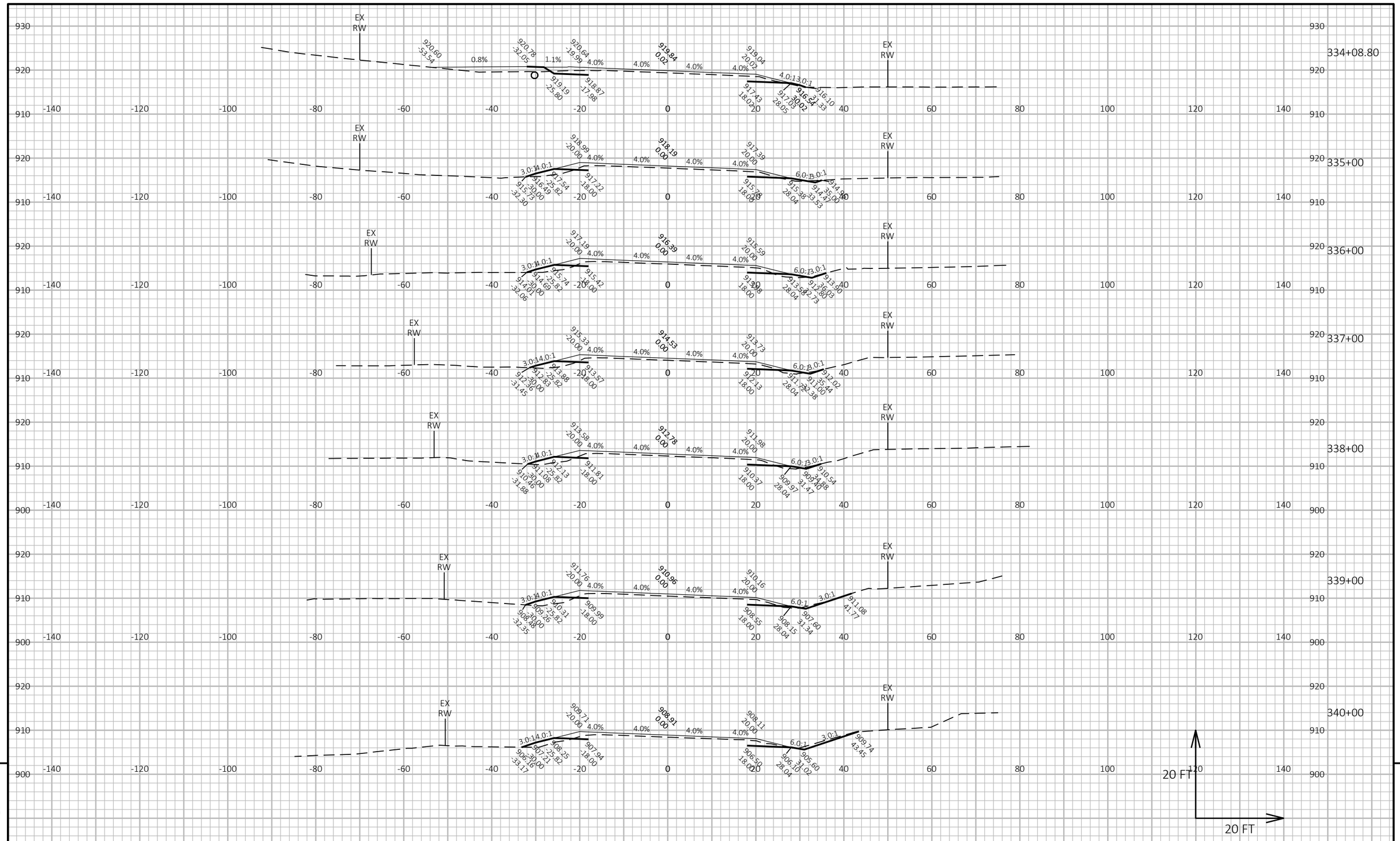
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 465	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 66

PLOT DATE : 7/19/2022 11:26 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

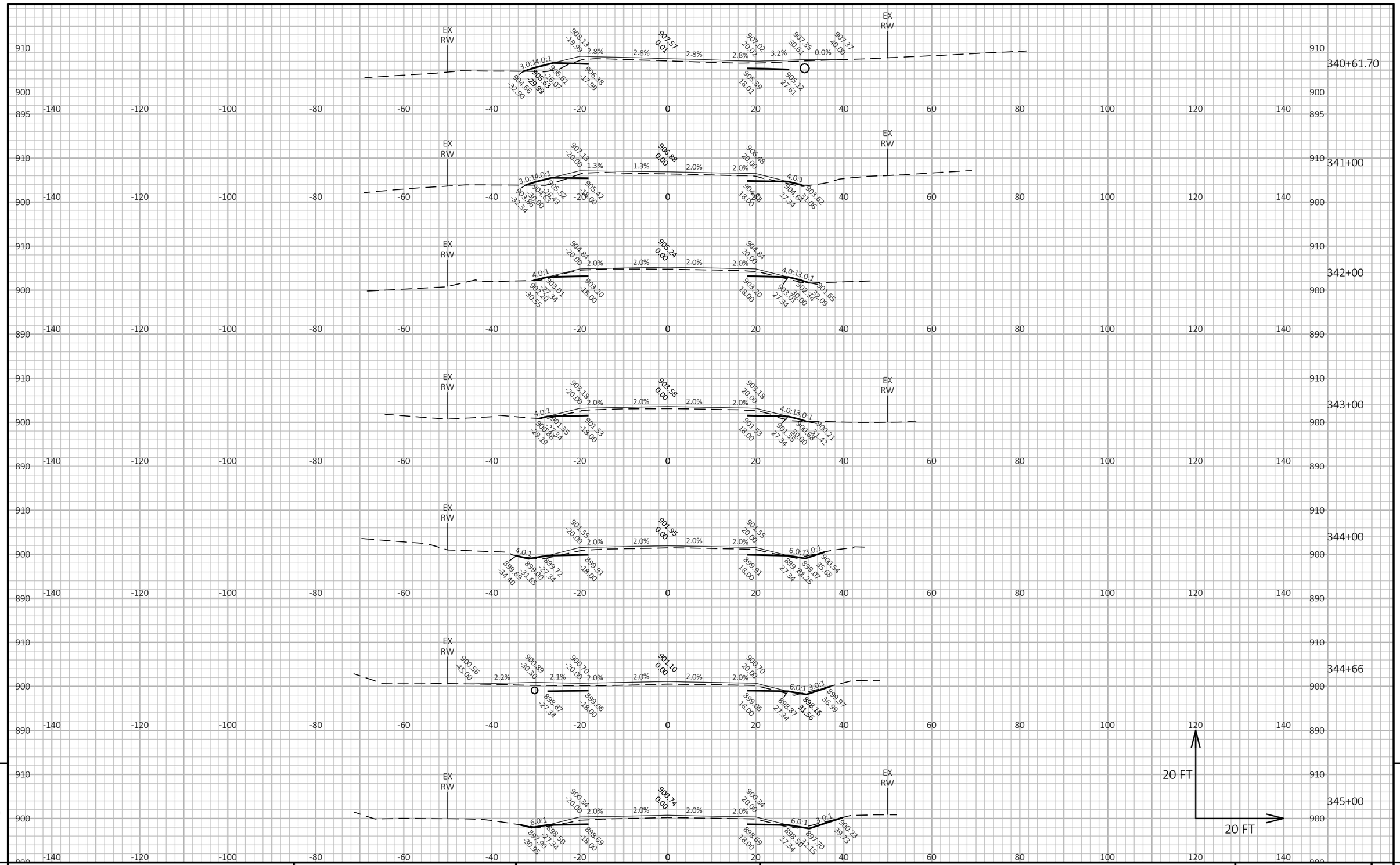
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 466	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 67

PLOT DATE : 7/19/2022 11:27 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 467	E

9

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 68

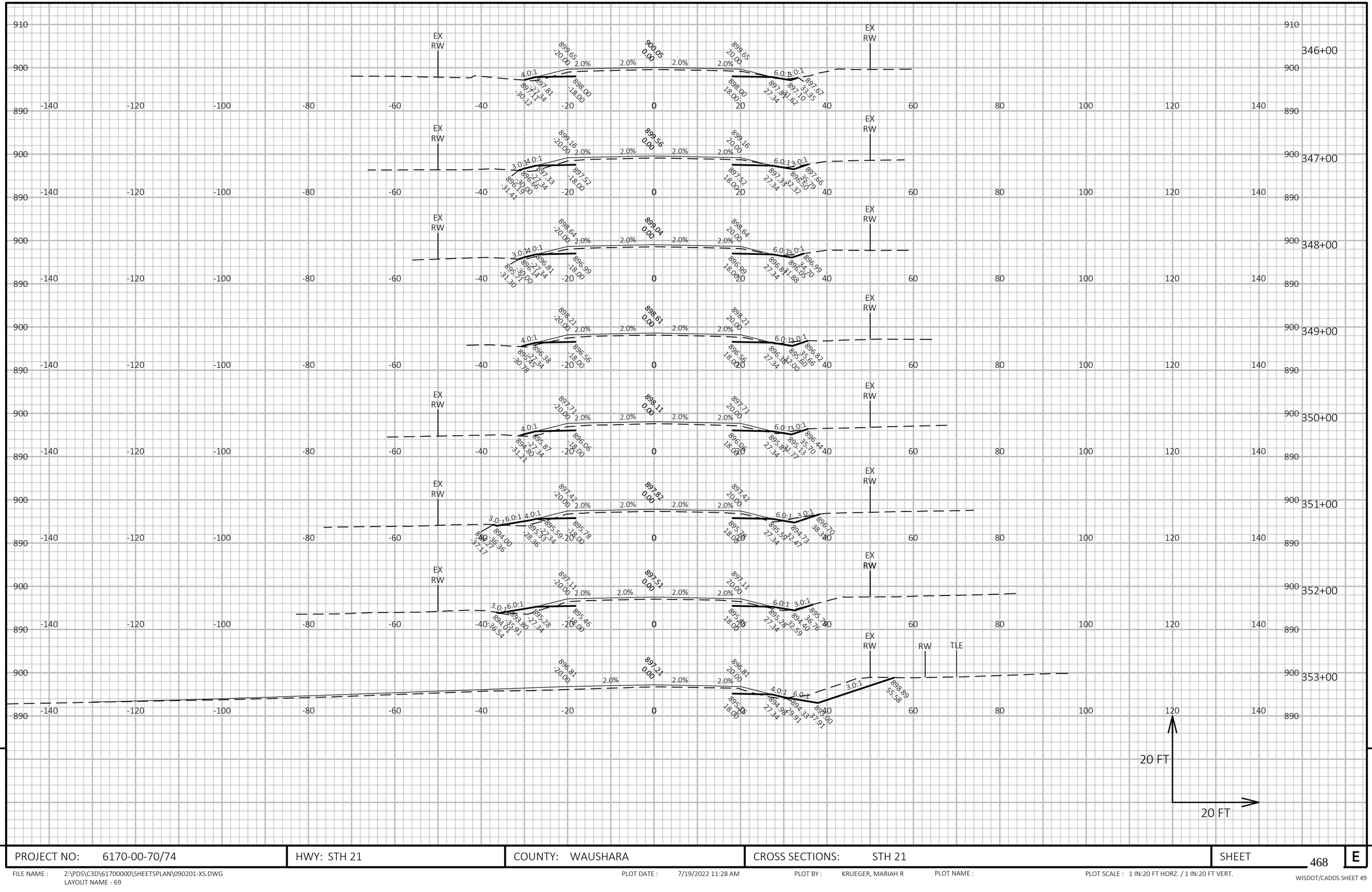
PLOT DATE : 7/19/2022 11:27 AM

PLOT BY : KRUEGER, MARIAH R

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

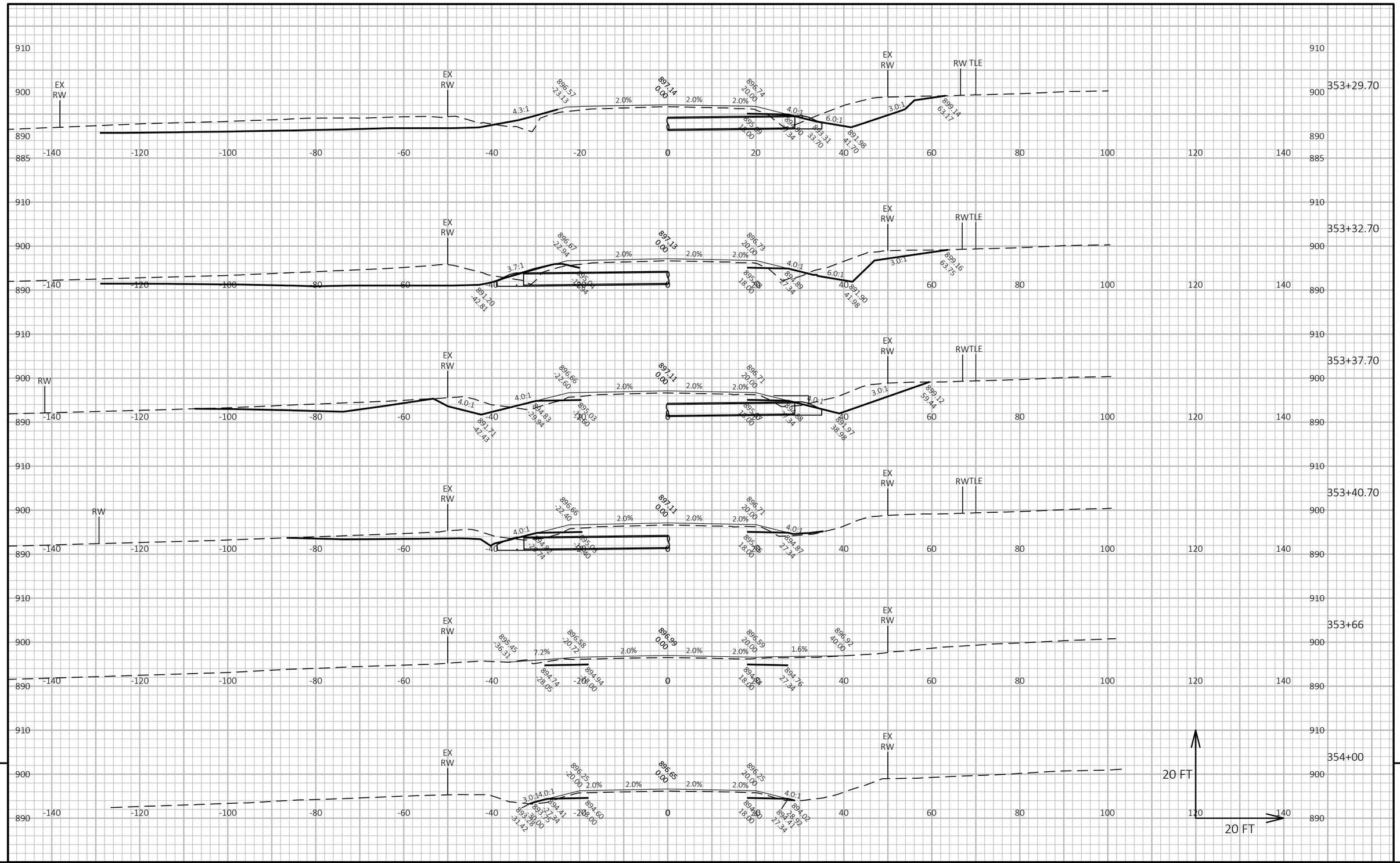


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 468	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 69

PLOT DATE : 7/19/2022 11:28 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



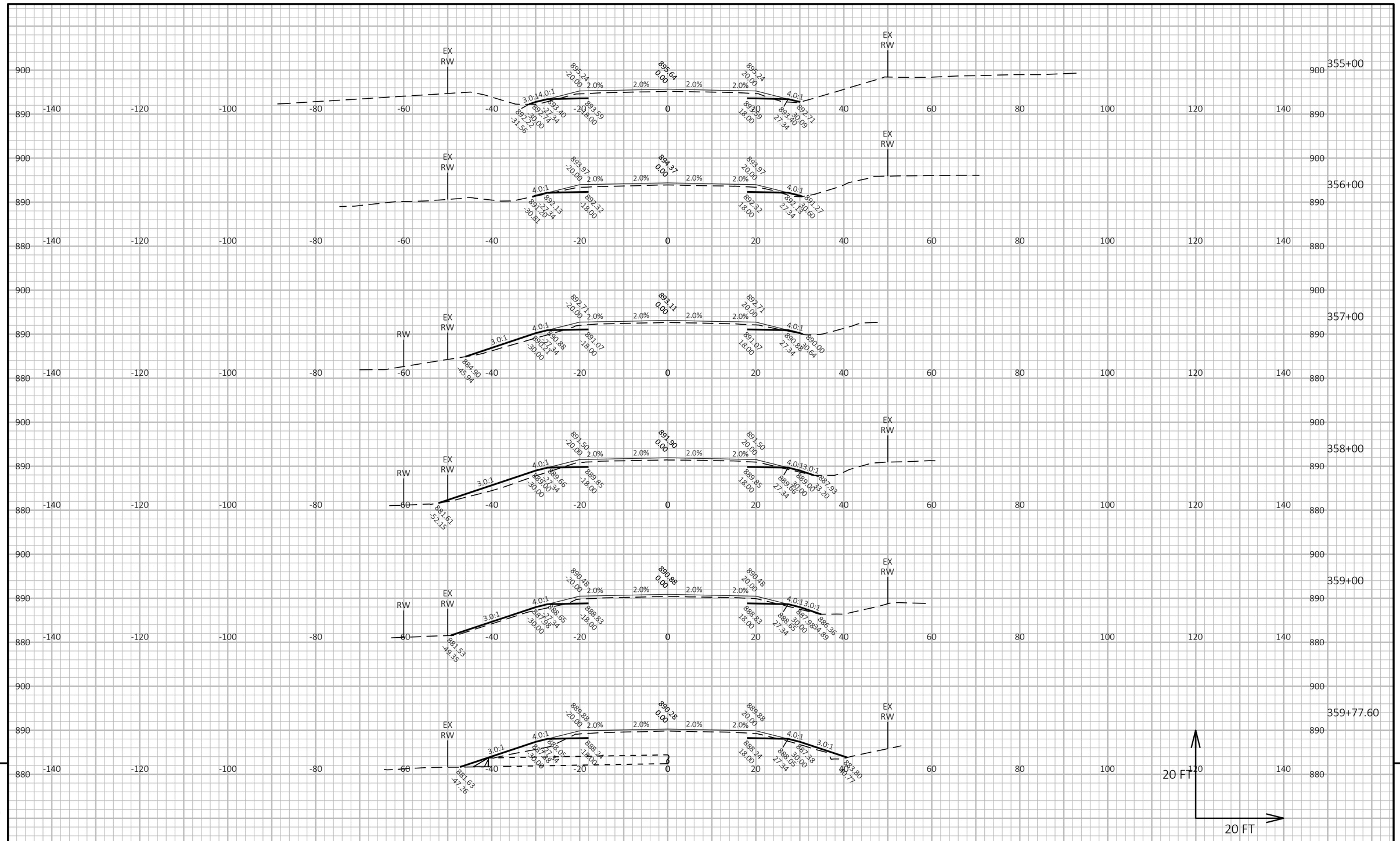
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9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 469	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 70

PLOT DATE : 7/19/2022 11:28 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

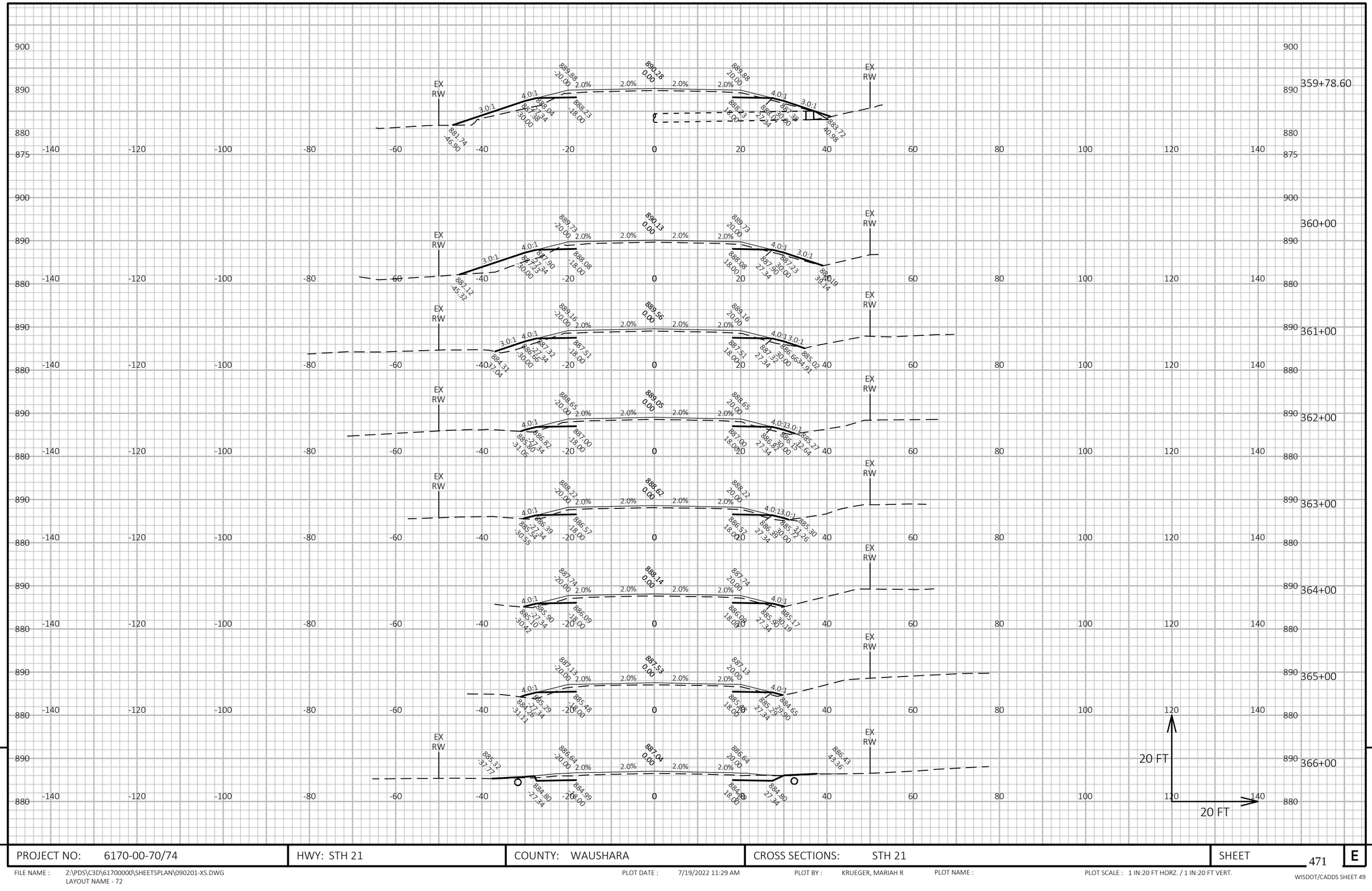
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 470	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 71

PLOT DATE : 7/19/2022 11:29 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

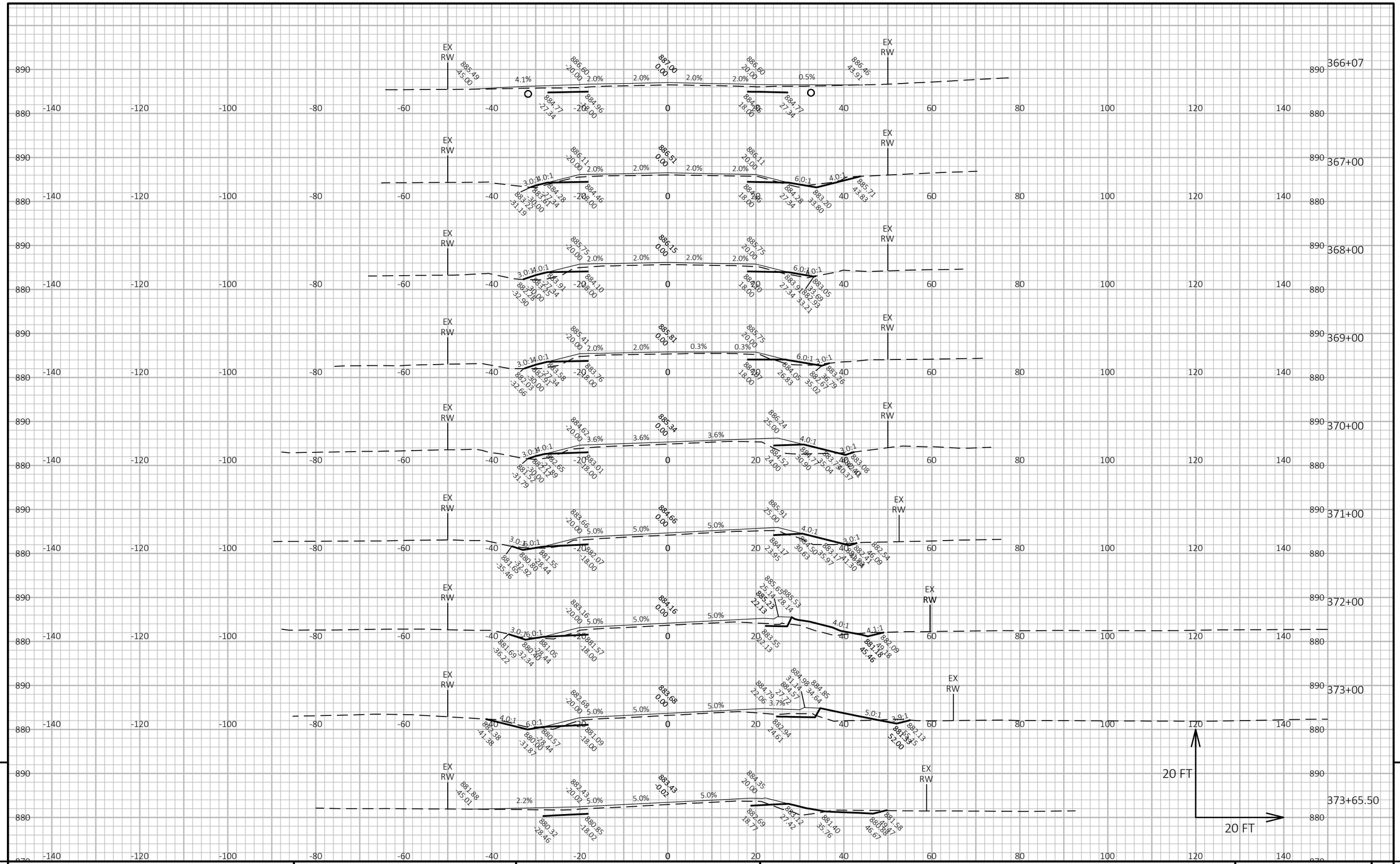


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 471	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 72

PLOT DATE : 7/19/2022 11:29 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 472	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 73

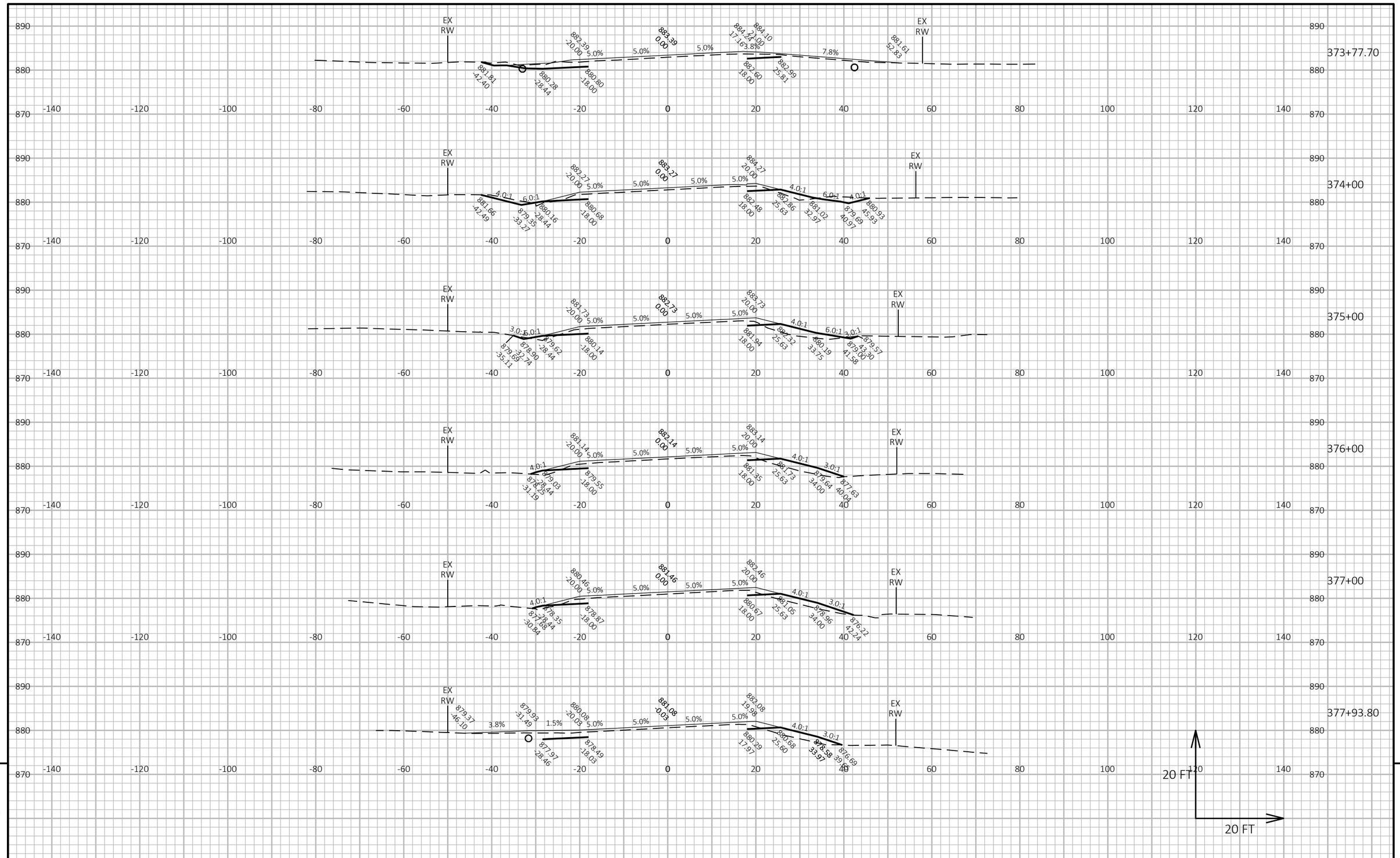
PLOT DATE : 7/19/2022 11:30 AM

PLOT BY : KRUEGER, MARIAH R

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

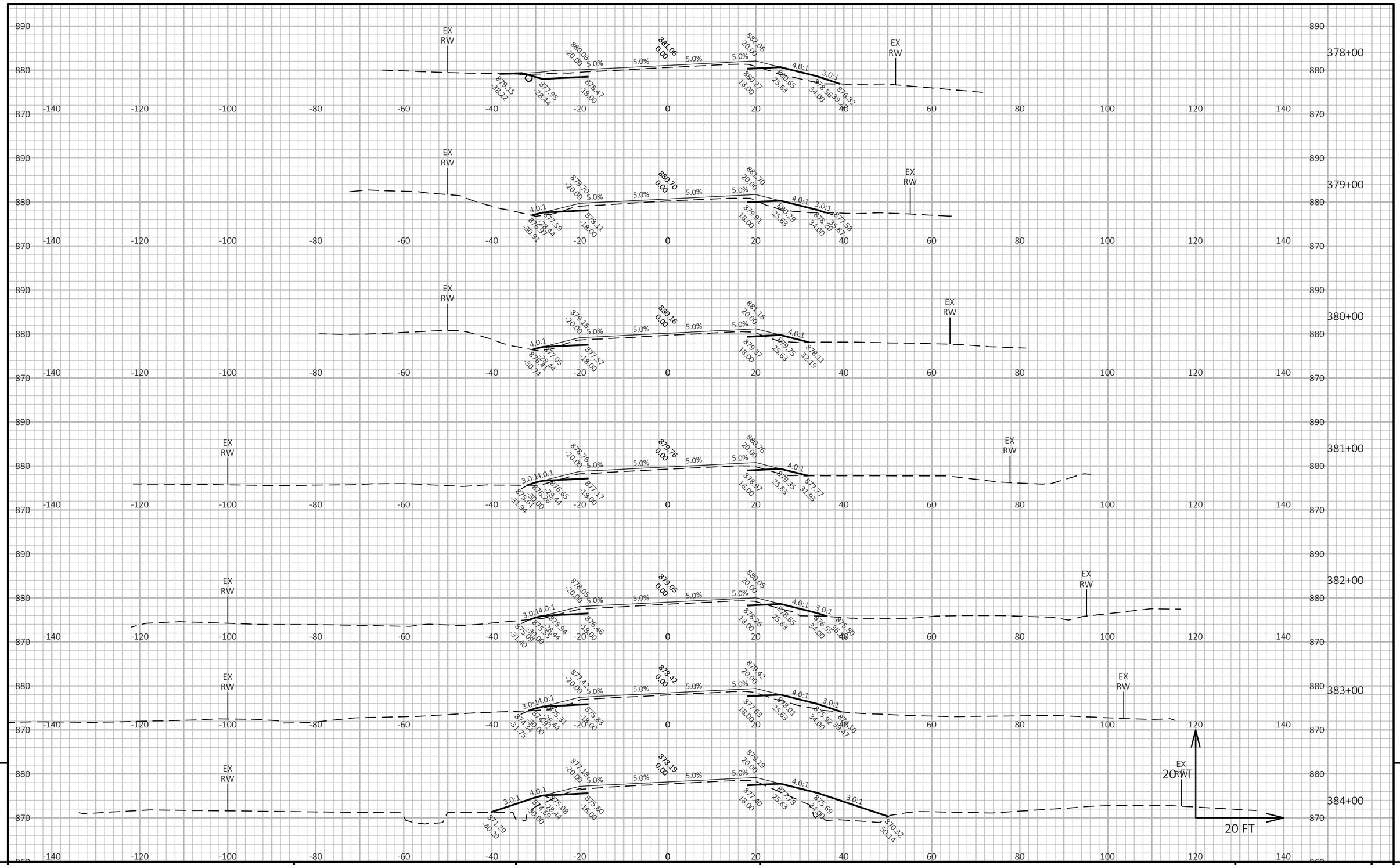


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 473	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 74

PLOT DATE : 7/19/2022 11:30 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

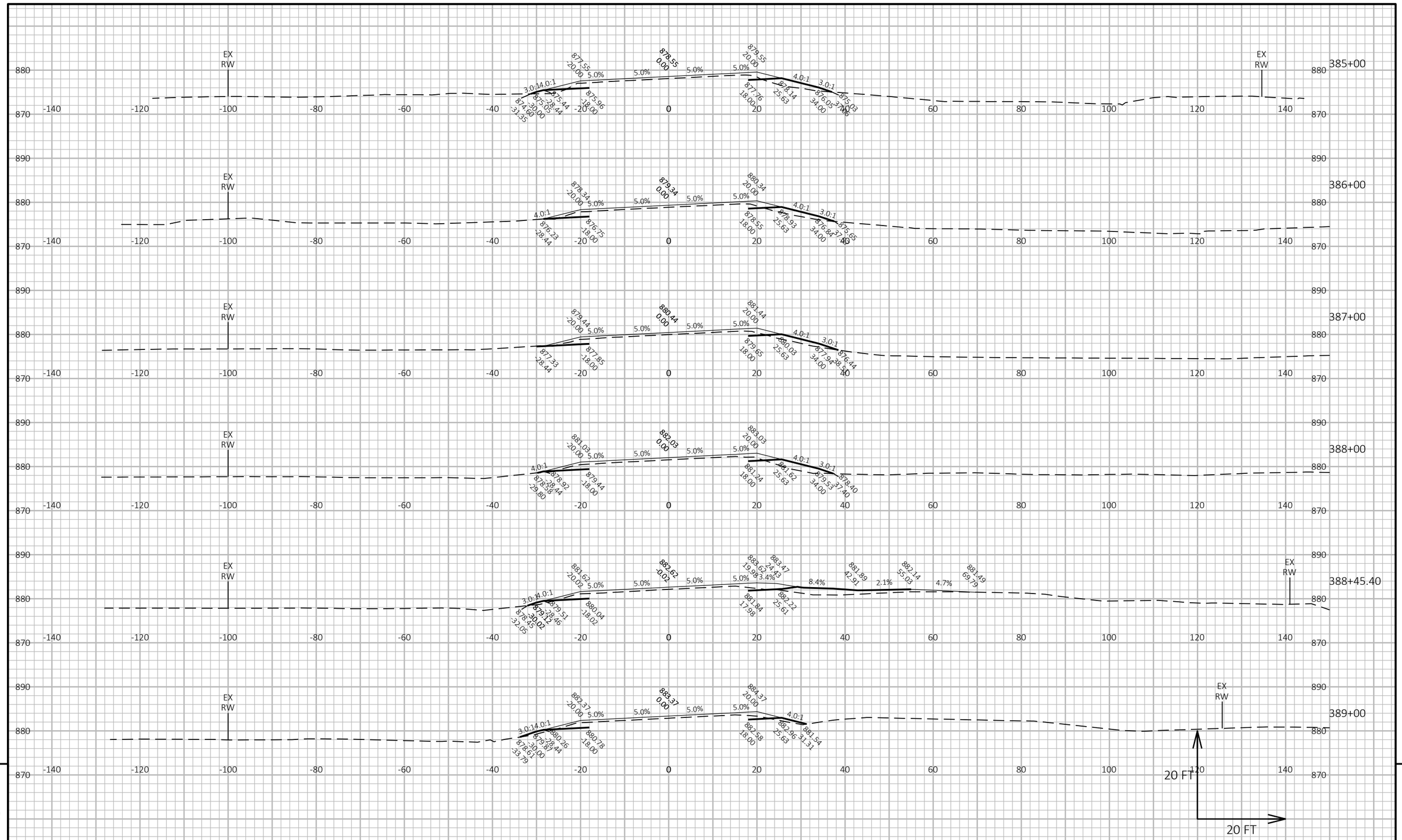
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 474	E

9

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 75

PLOT DATE : 7/19/2022 11:31 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

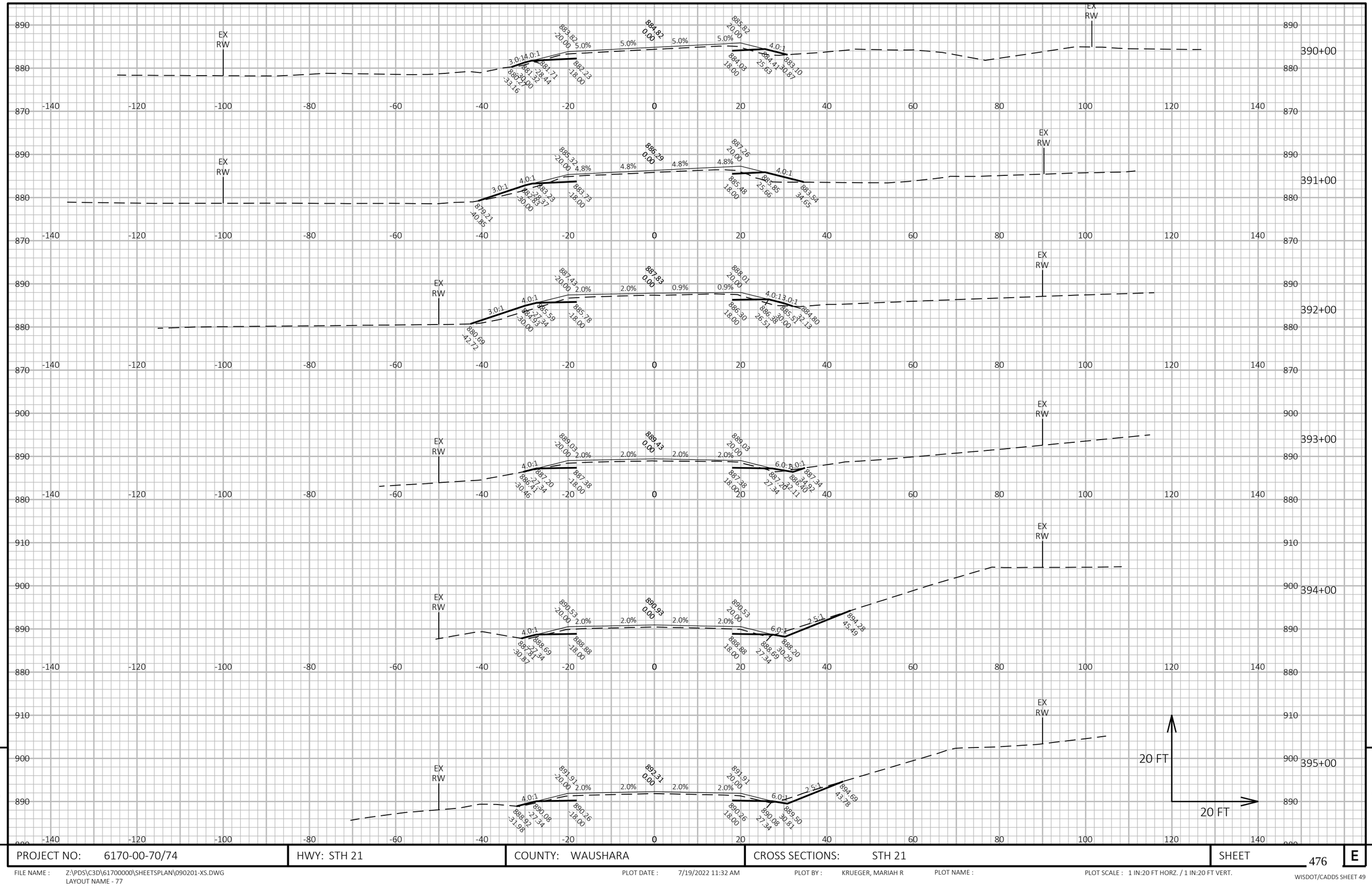


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 475	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 76

PLOT DATE : 7/19/2022 11:31 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

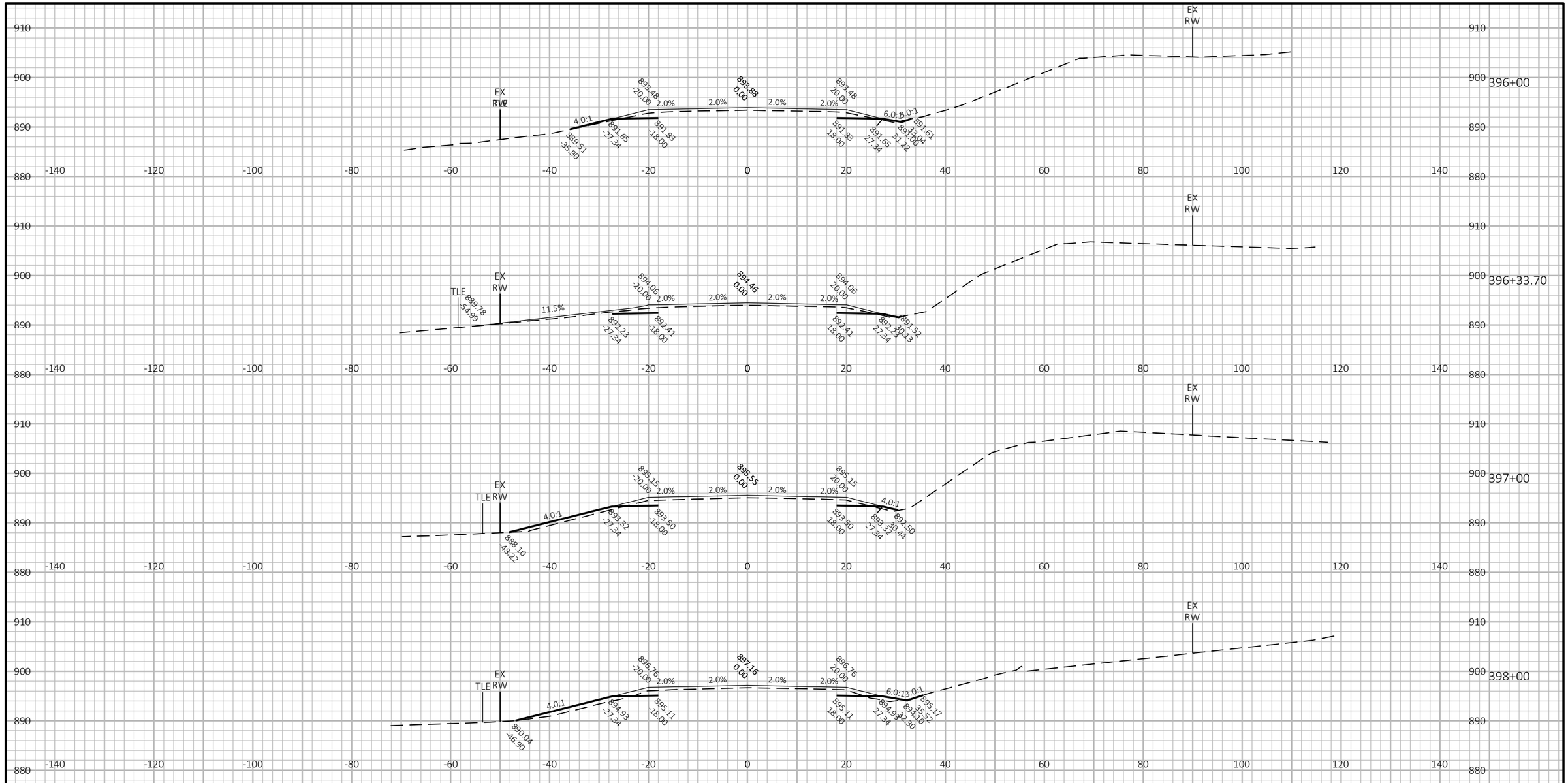


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 476 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 77

PLOT DATE : 7/19/2022 11:32 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

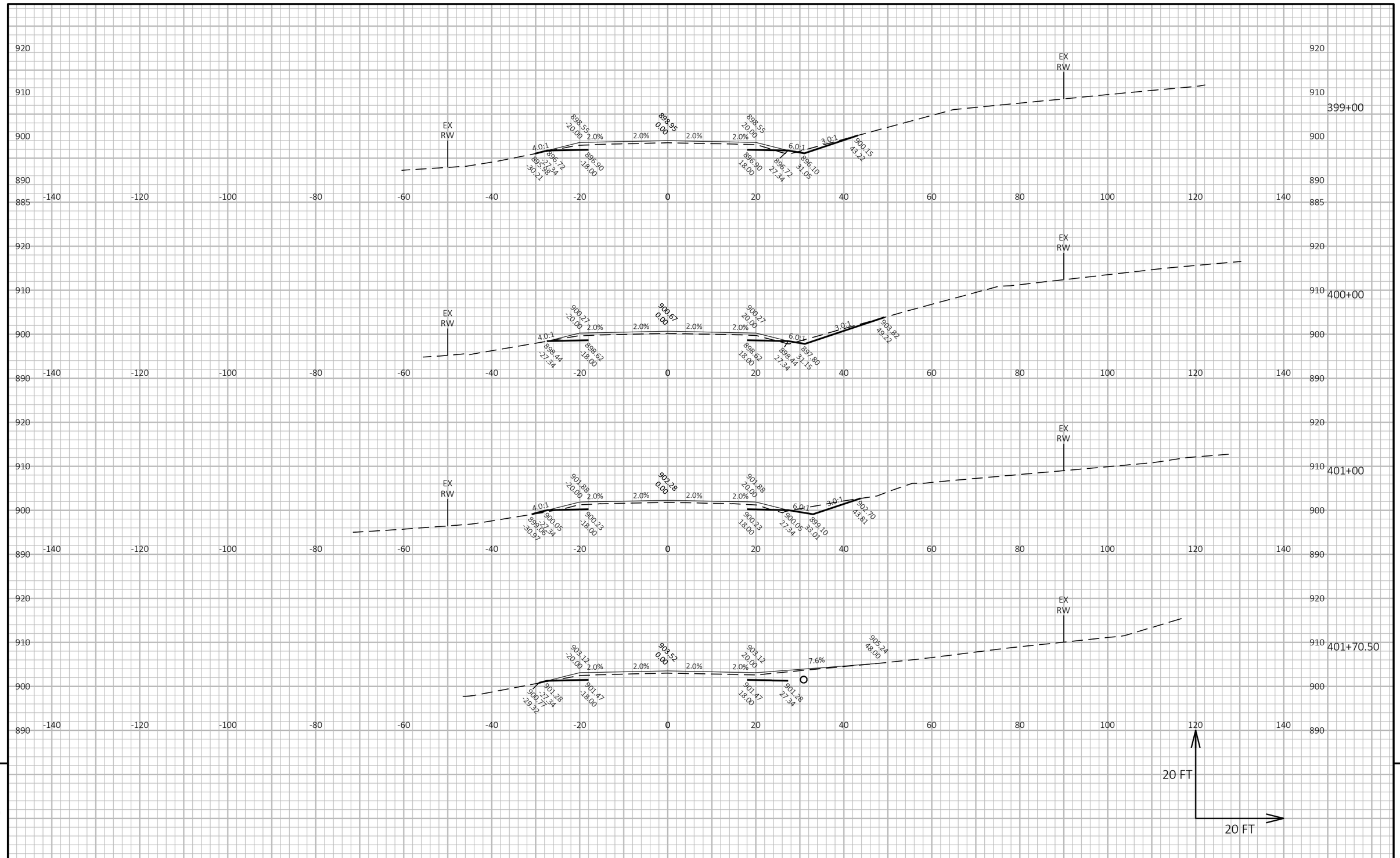
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 477	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 78

PLOT DATE : 7/19/2022 11:32 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



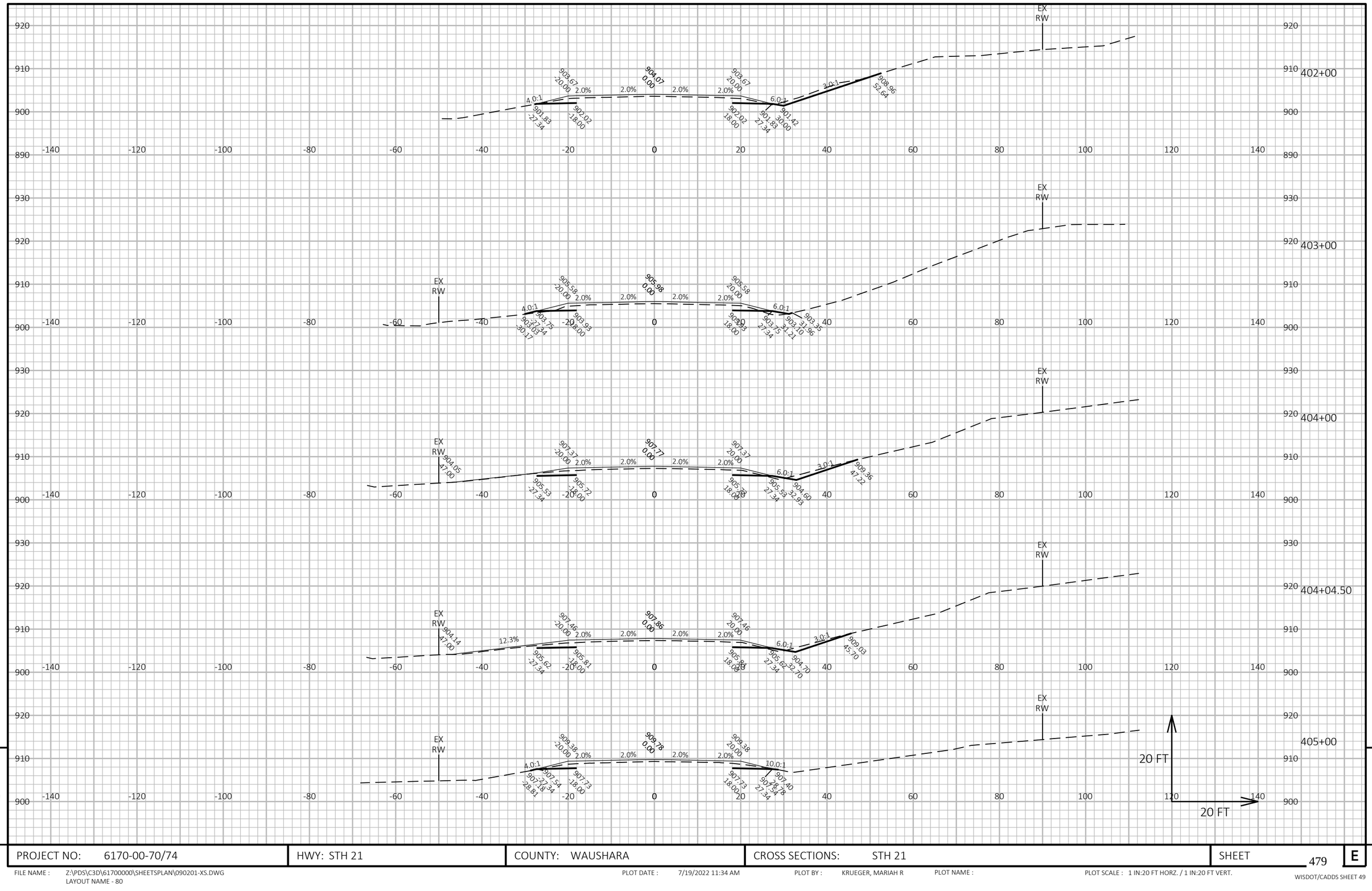
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9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 478	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 79

PLOT DATE : 7/19/2022 11:33 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

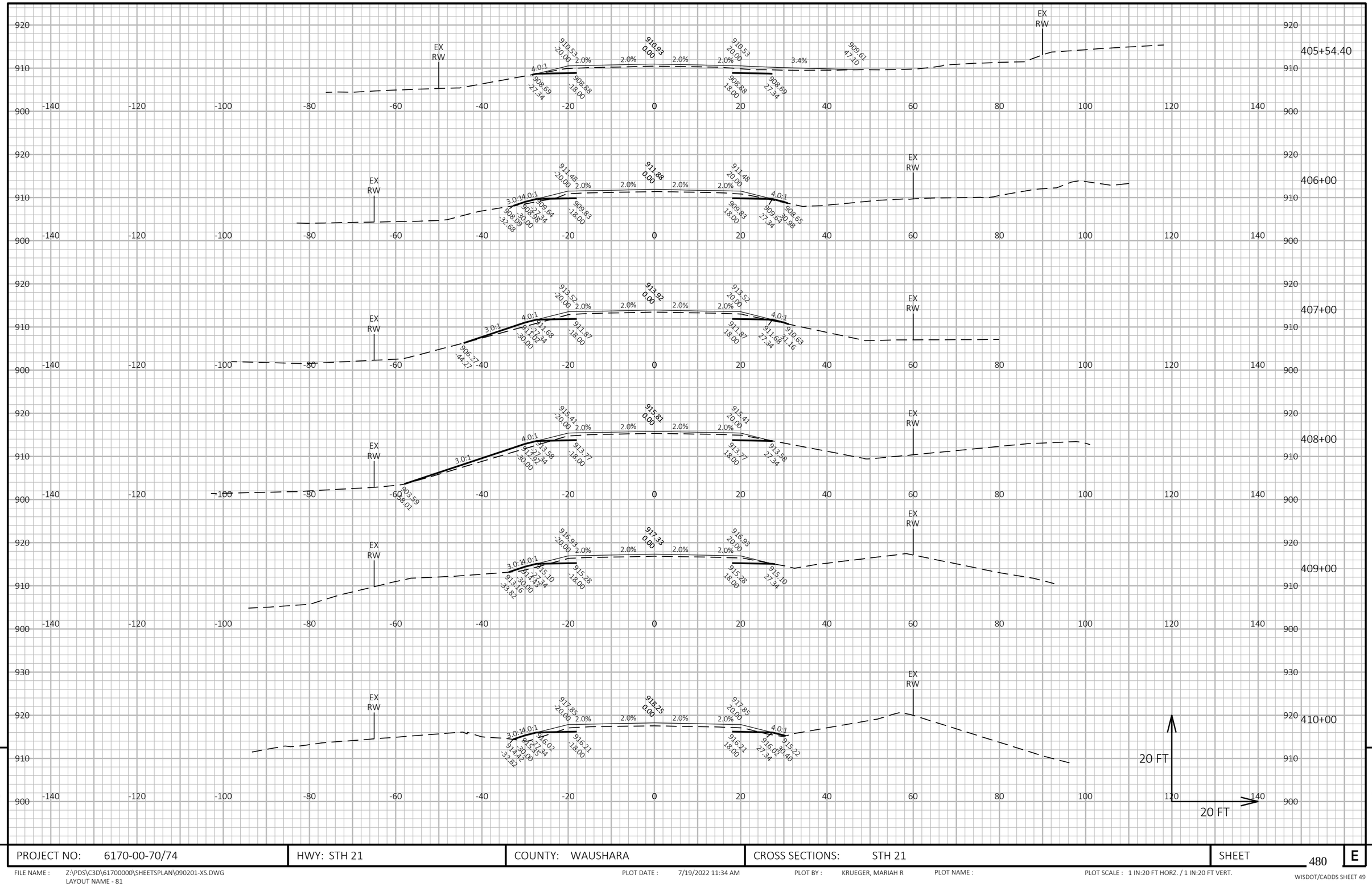
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 479	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 80

PLOT DATE : 7/19/2022 11:34 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

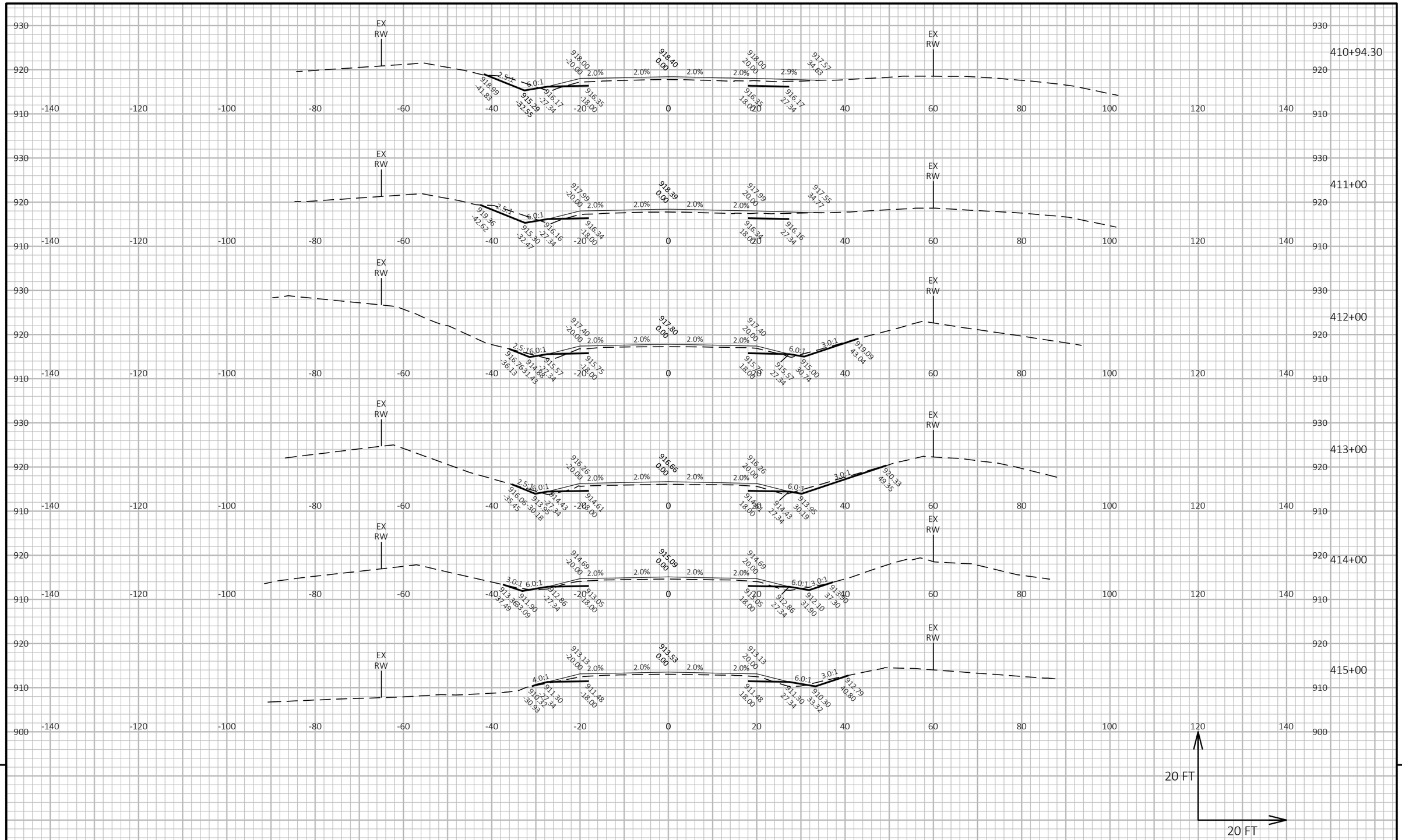
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 480	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 81

PLOT DATE : 7/19/2022 11:34 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

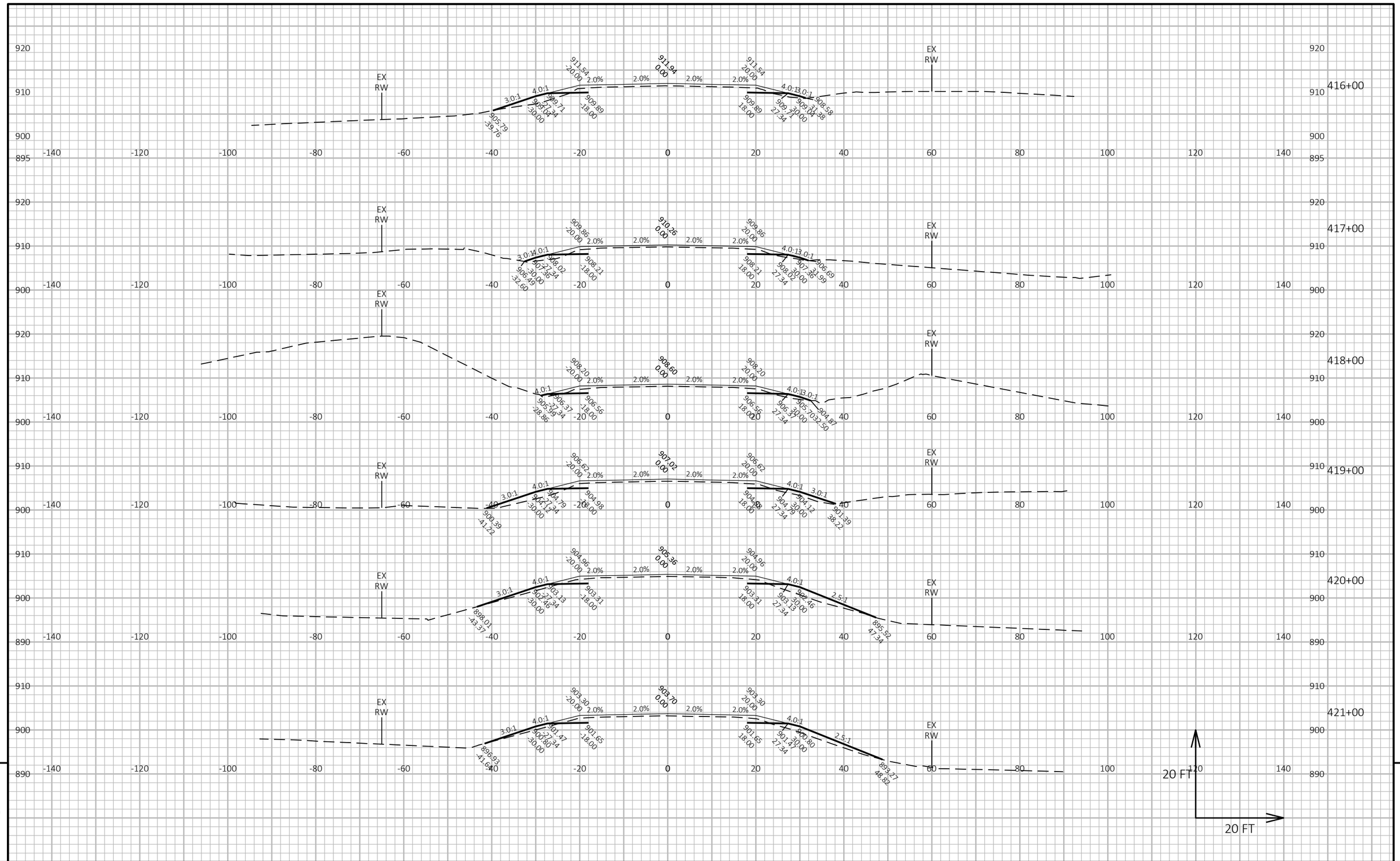


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 481	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 82

PLOT DATE : 7/19/2022 11:35 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

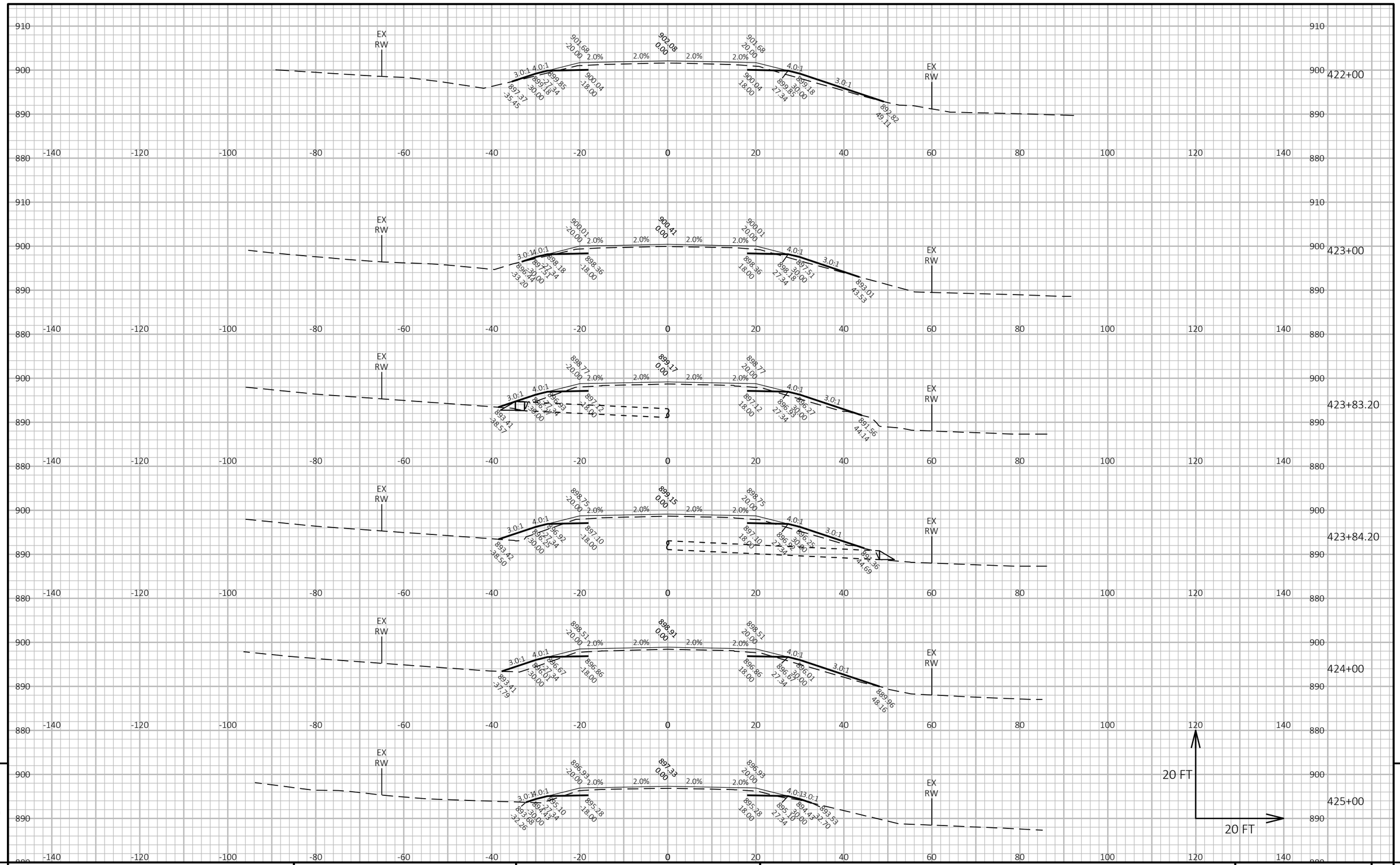


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 482	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 83

PLOT DATE : 7/19/2022 11:35 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

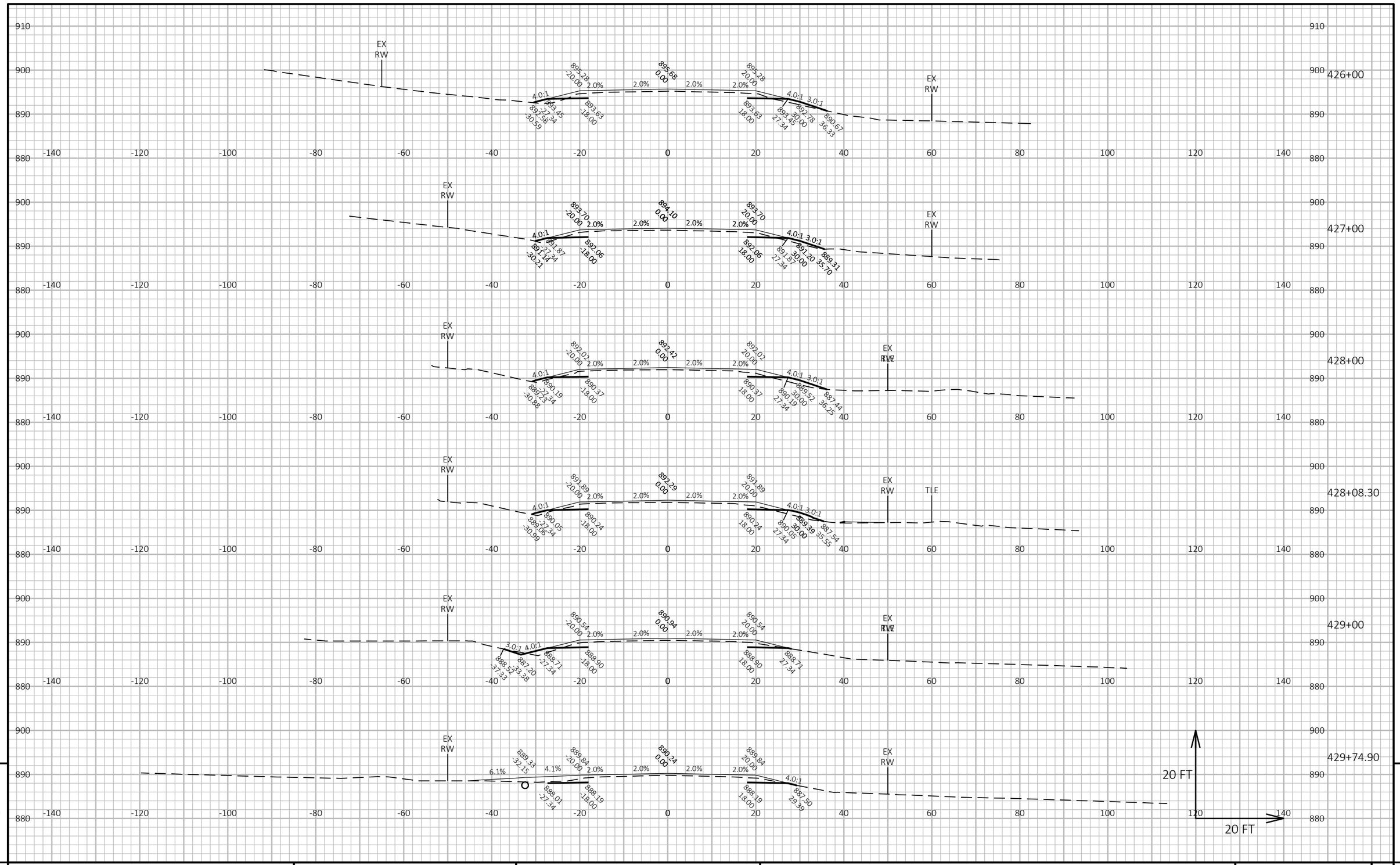


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 483	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 84

PLOT DATE : 7/19/2022 11:36 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

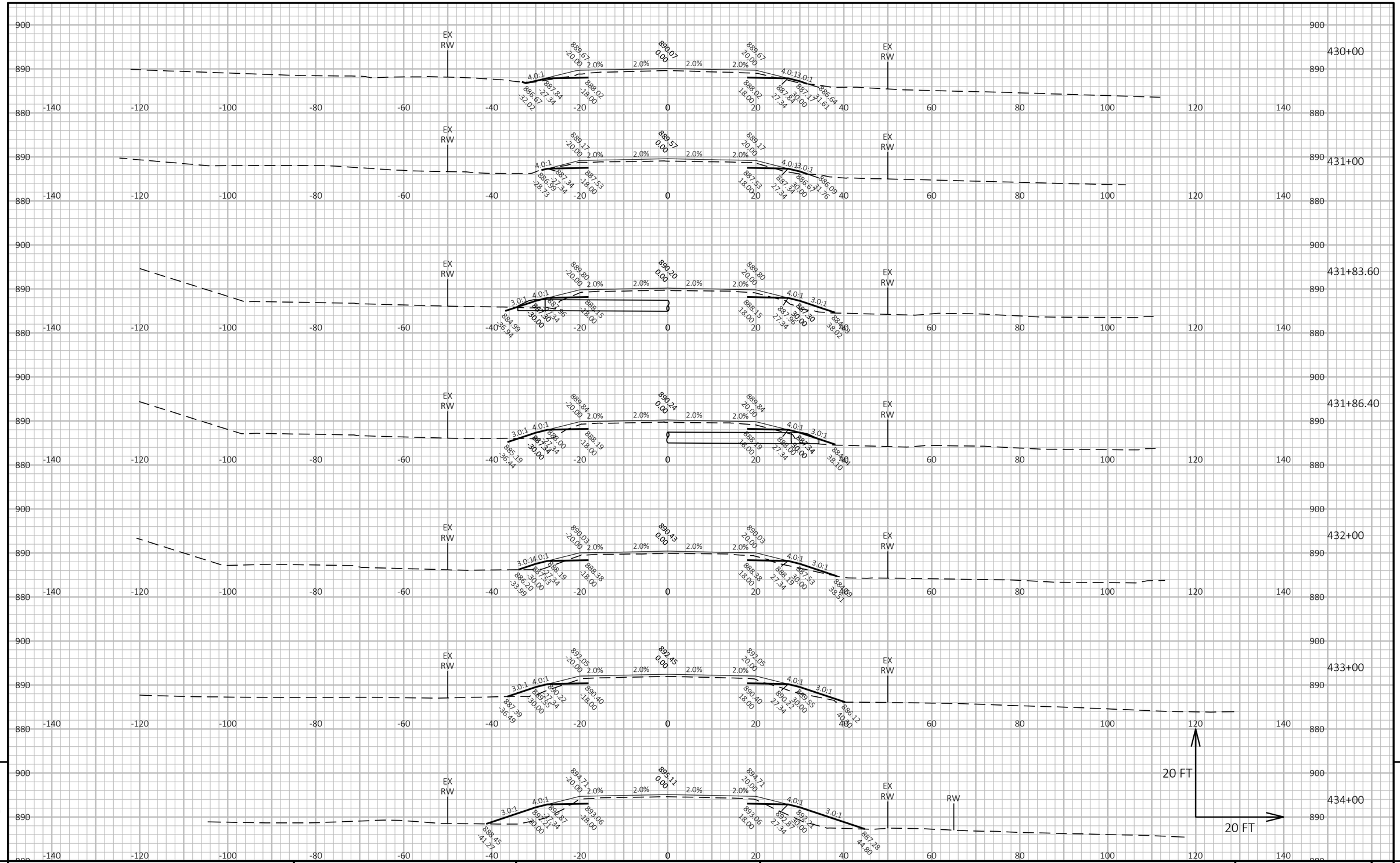


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 484	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 85

PLOT DATE : 7/19/2022 11:36 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 485 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 86

PLOT DATE : 7/19/2022 11:37 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

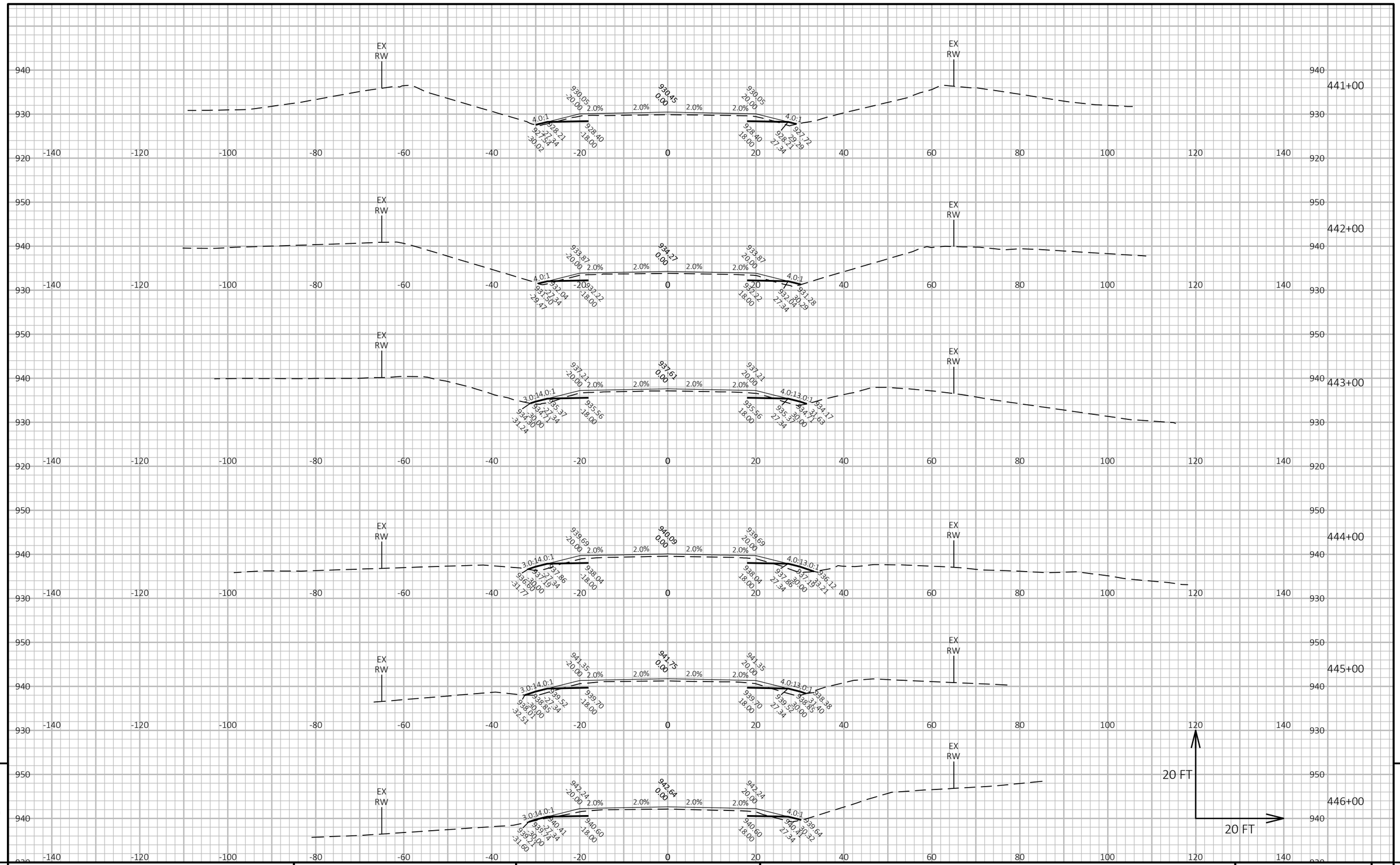
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 486	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 87

PLOT DATE : 7/19/2022 11:37 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

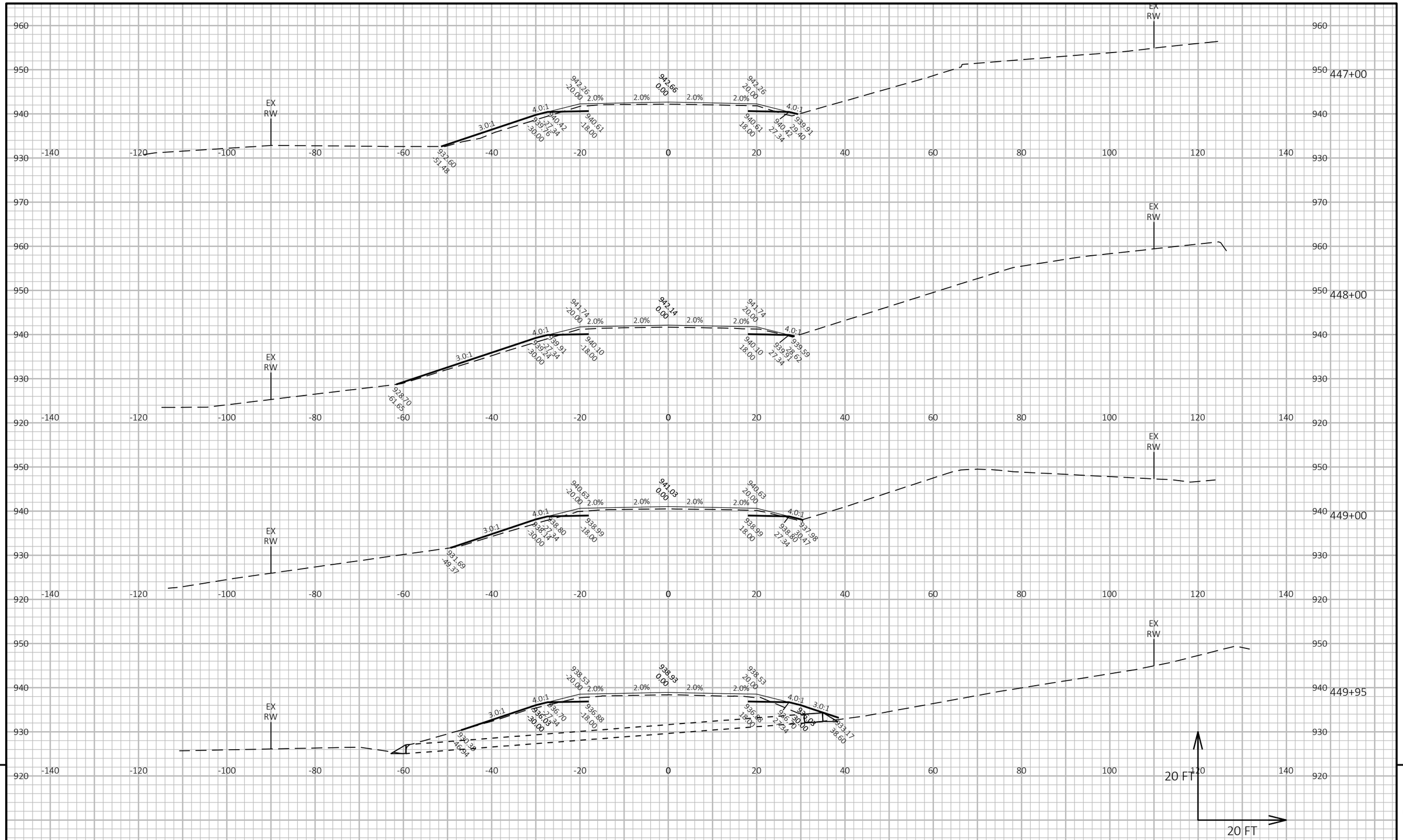
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 487	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 88

PLOT DATE : 7/19/2022 11:38 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

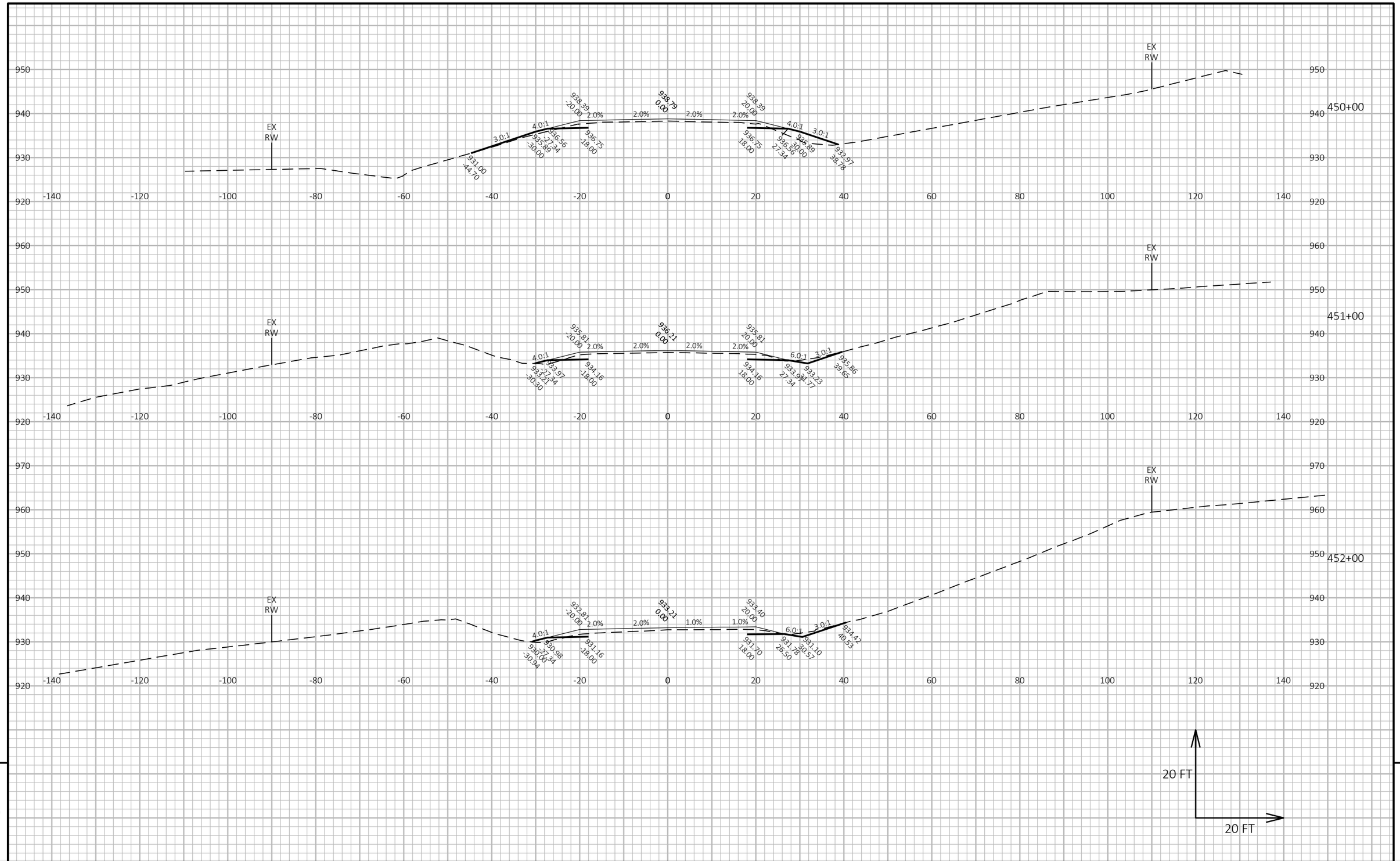


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 488 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 89

PLOT DATE : 7/19/2022 11:38 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

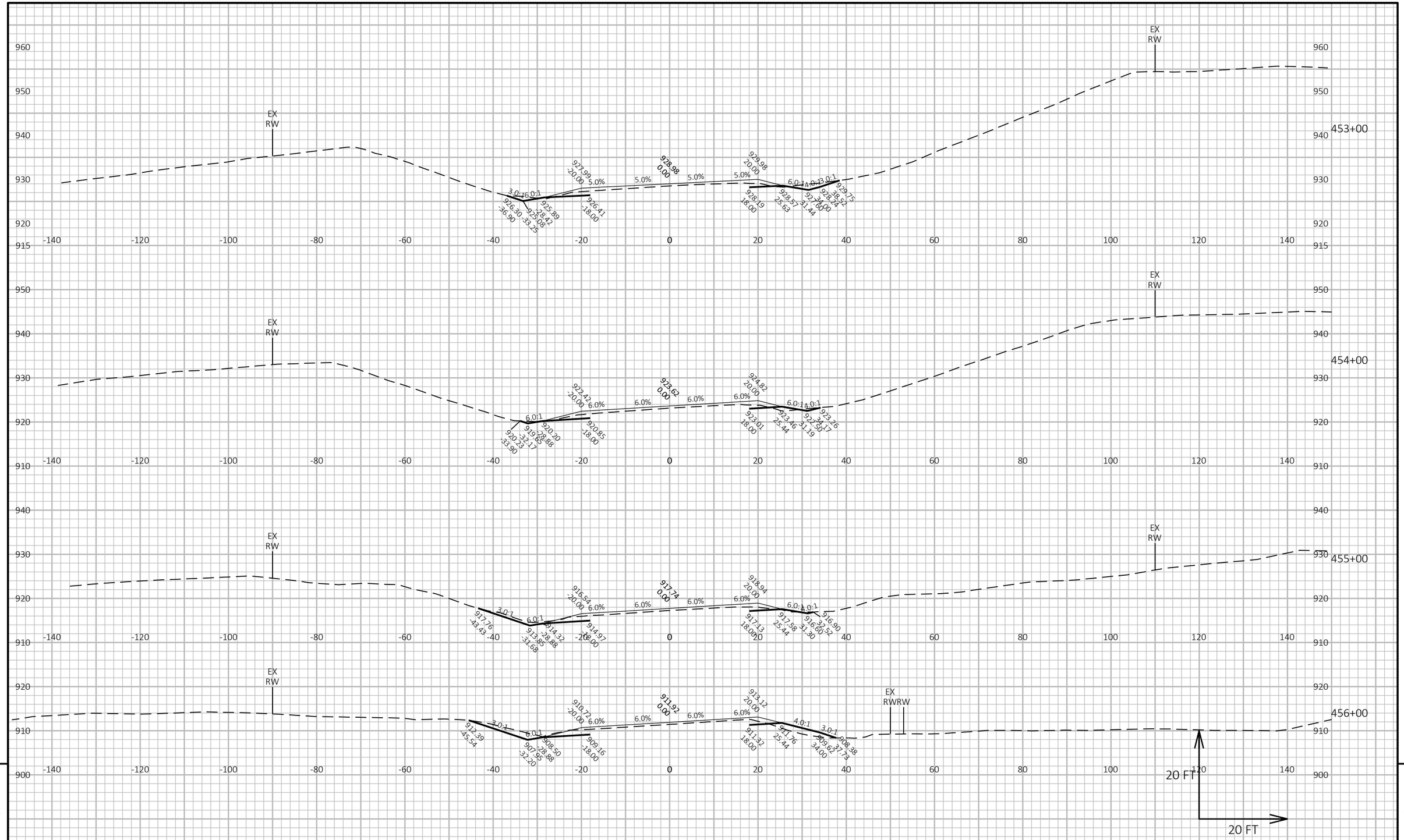
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 489	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 90

PLOT DATE : 7/19/2022 11:39 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

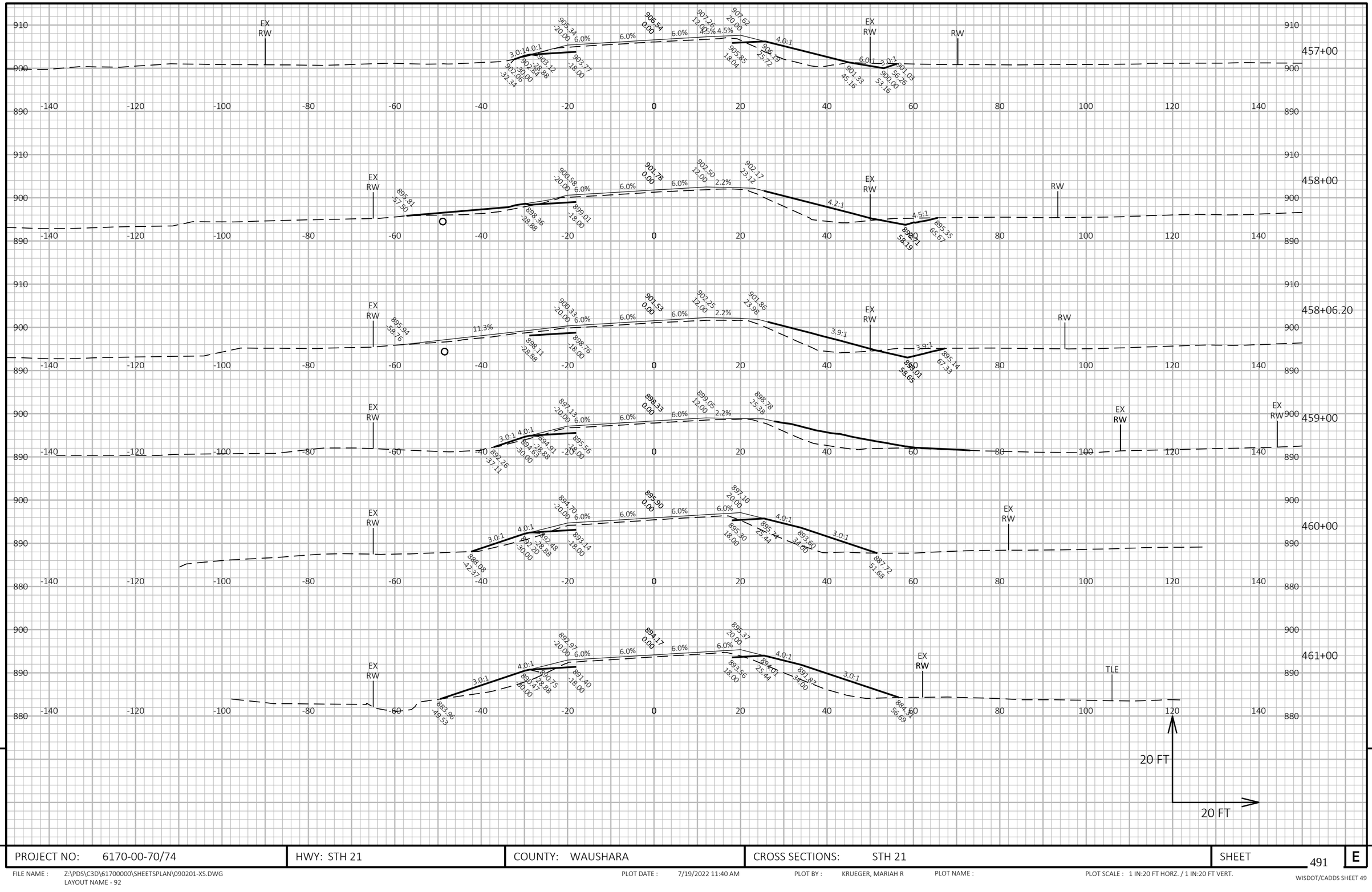


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 490	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 91

PLOT DATE : 7/19/2022 11:40 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

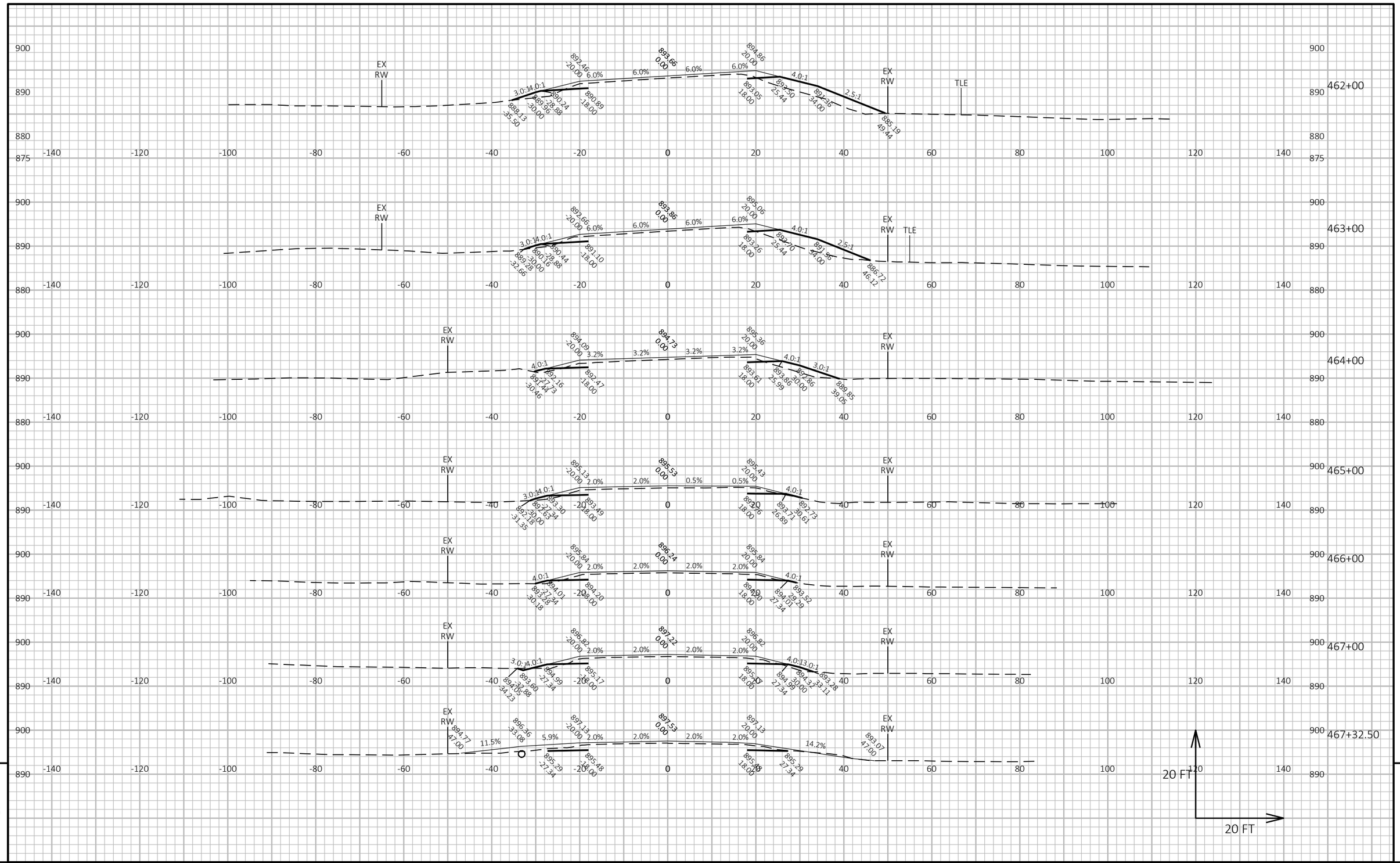
WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 491	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 92

PLOT DATE : 7/19/2022 11:40 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

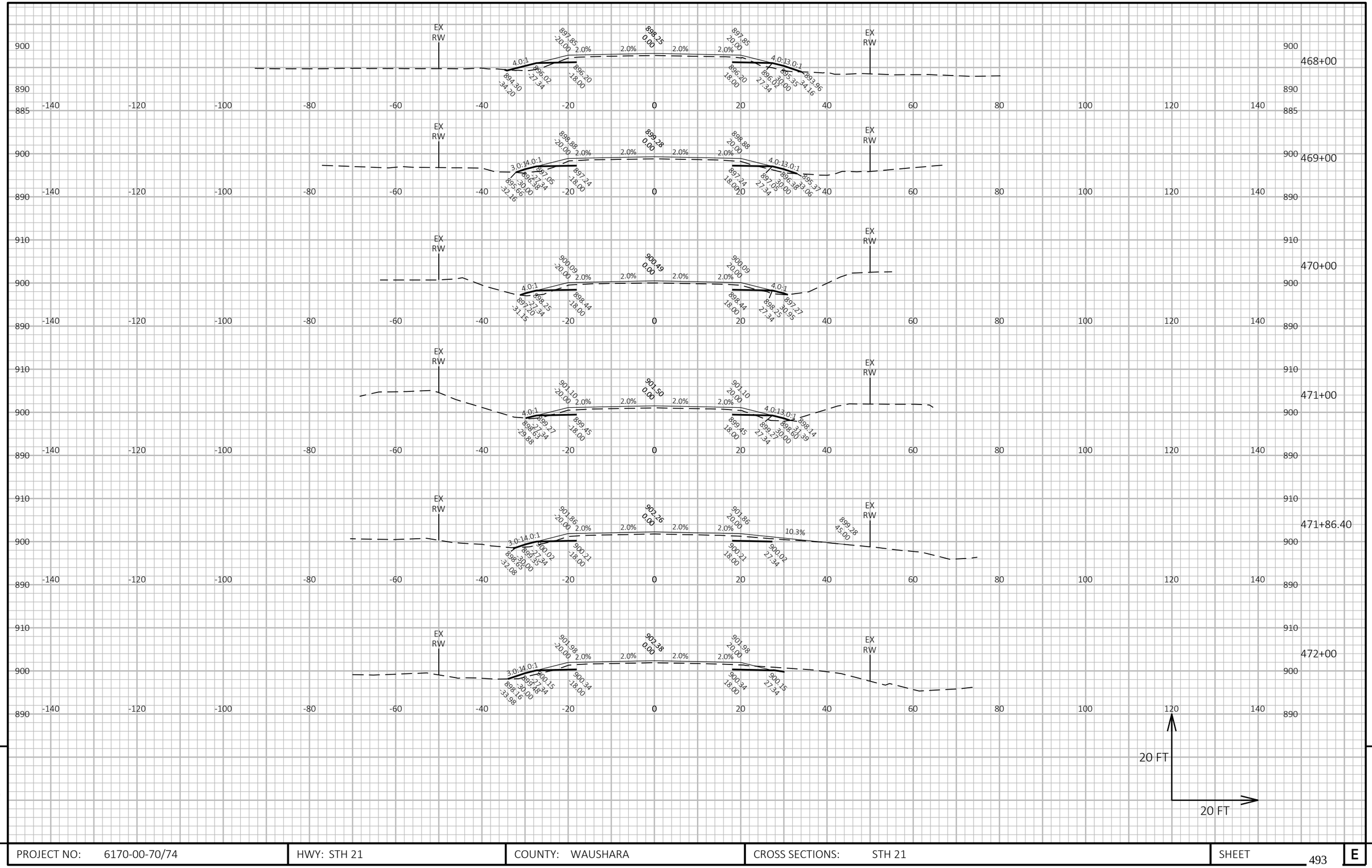


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 492	E

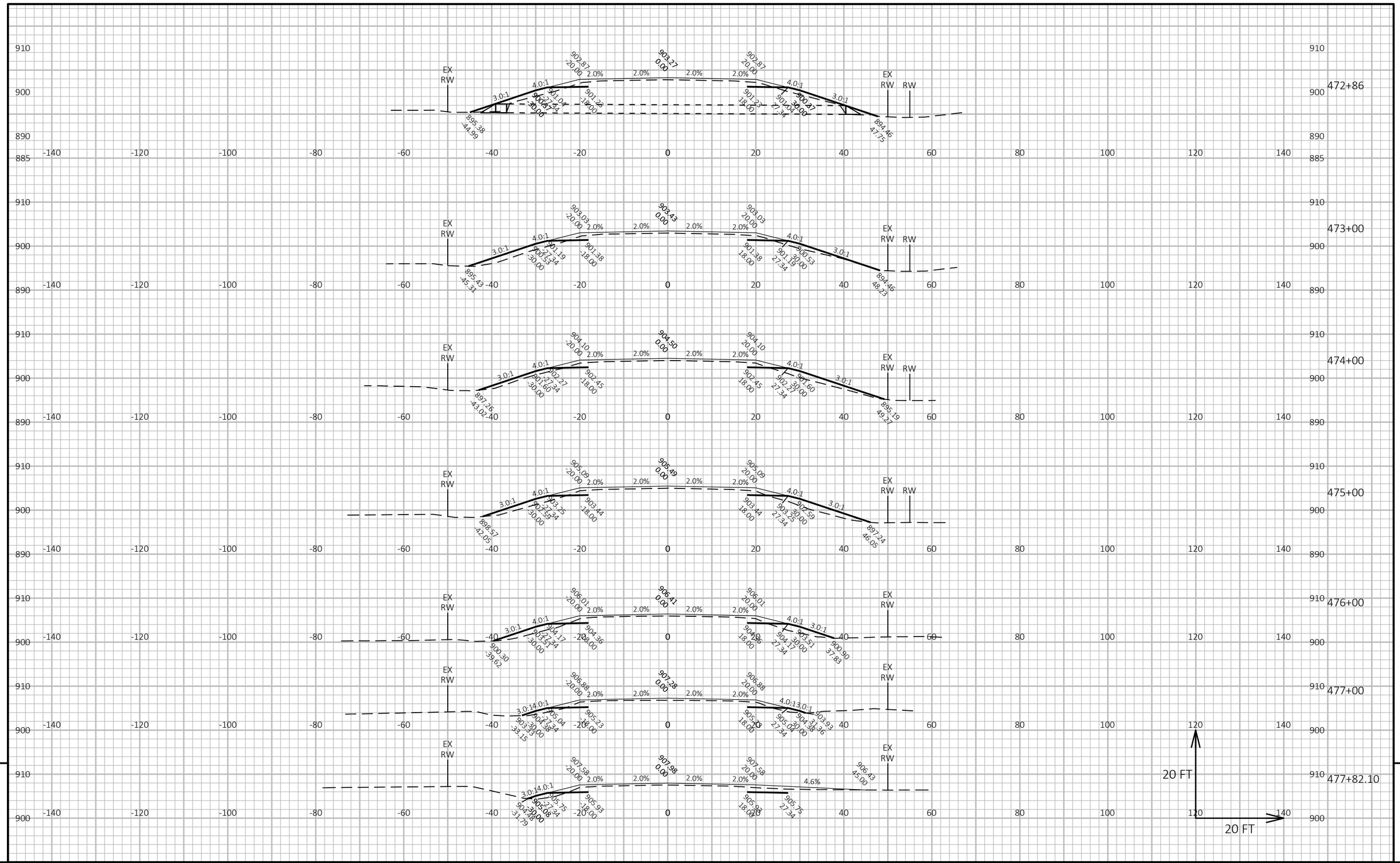
FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 93

PLOT DATE : 7/19/2022 11:41 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 493	E

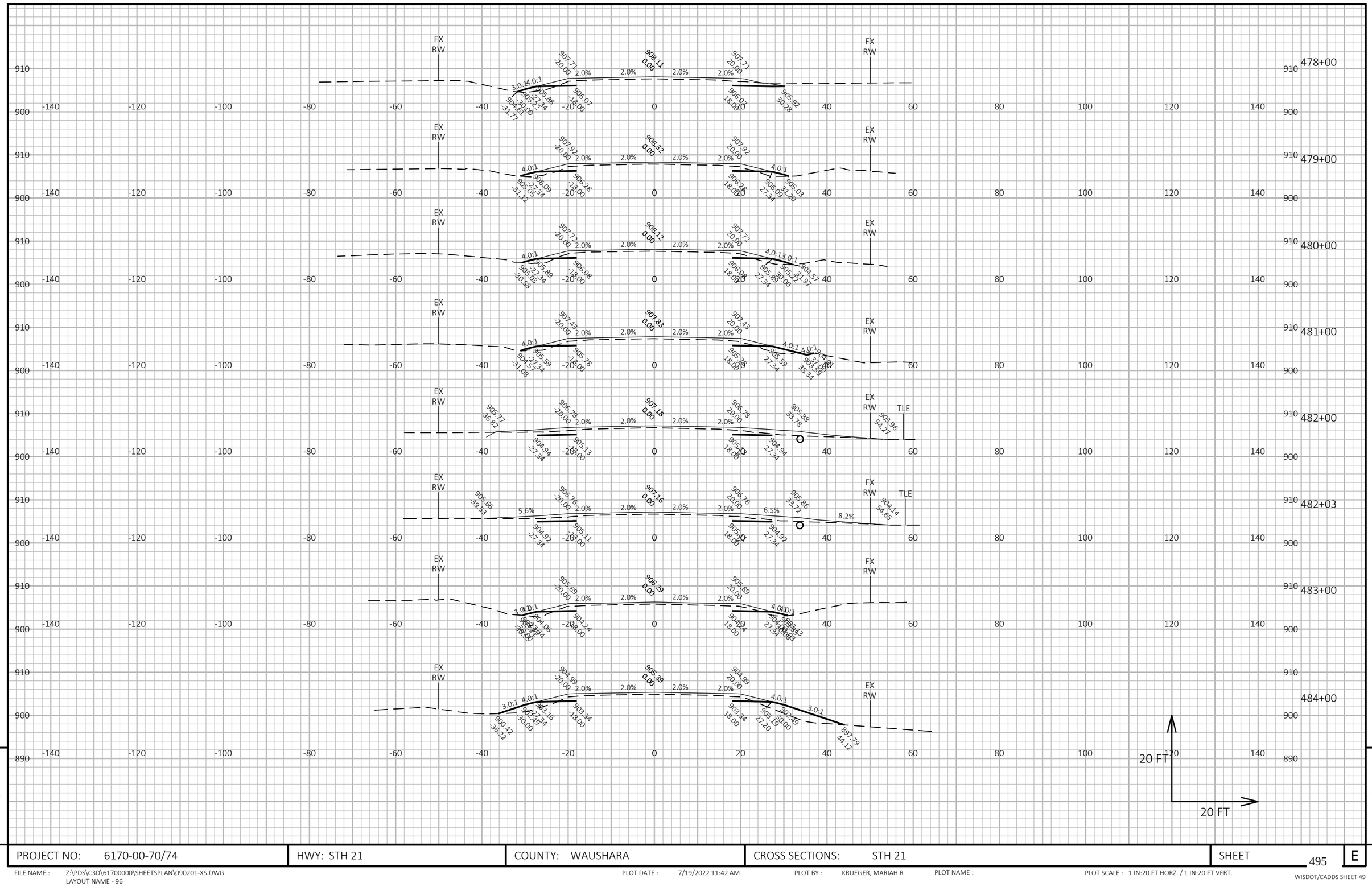


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 494	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 95

PLOT DATE : 7/19/2022 11:42 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

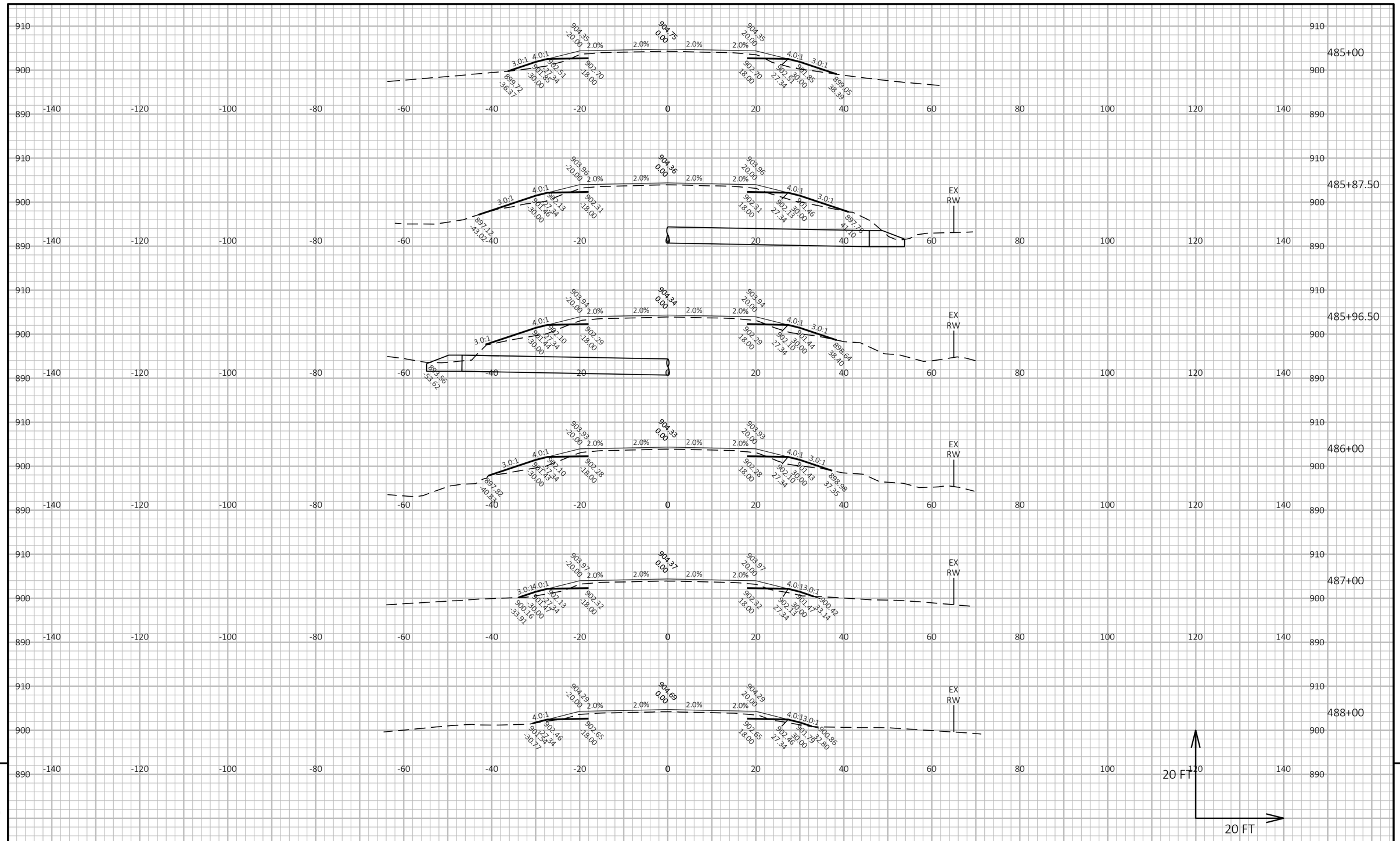
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 495	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 96

PLOT DATE : 7/19/2022 11:42 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

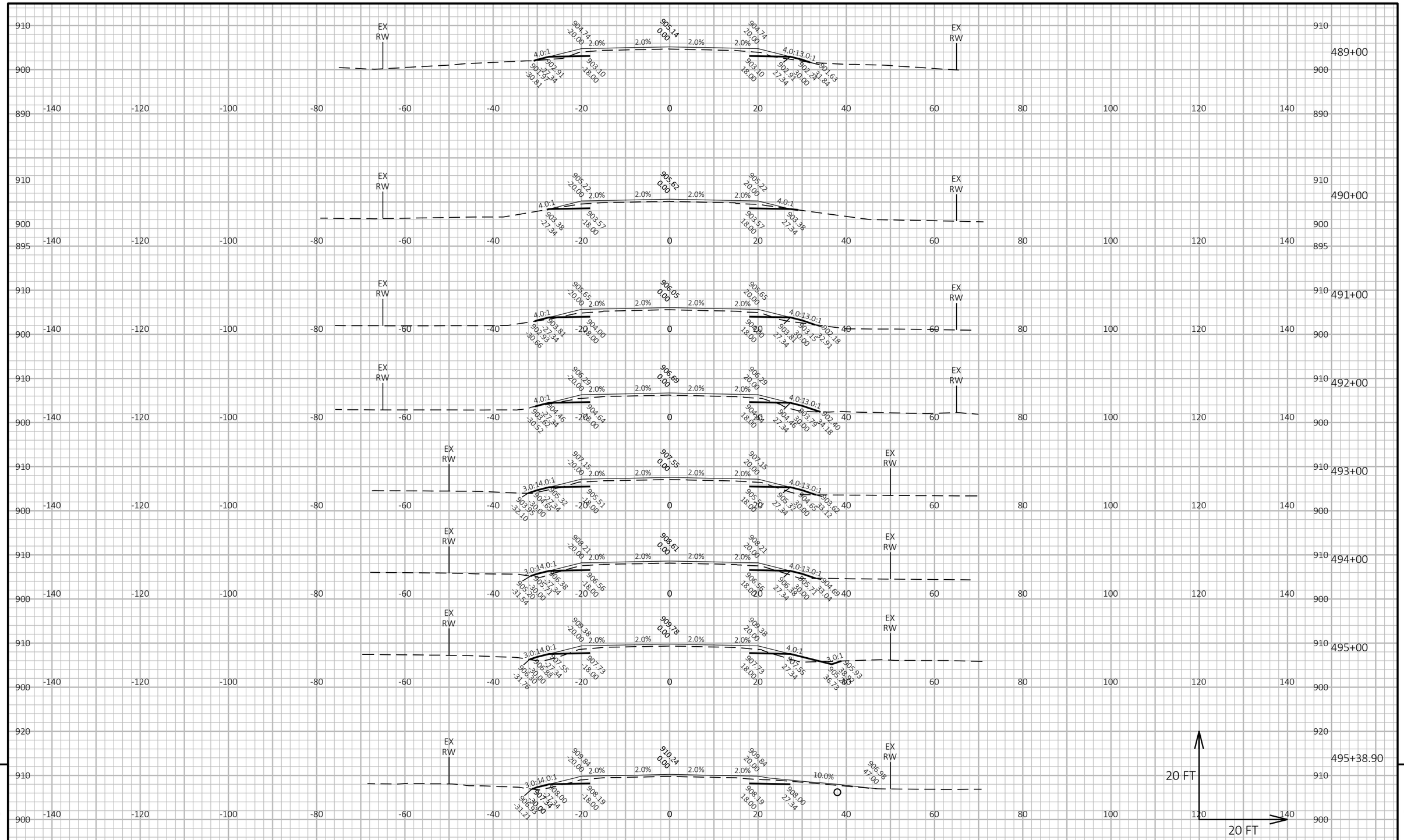
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 496	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 97

PLOT DATE : 7/19/2022 11:43 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

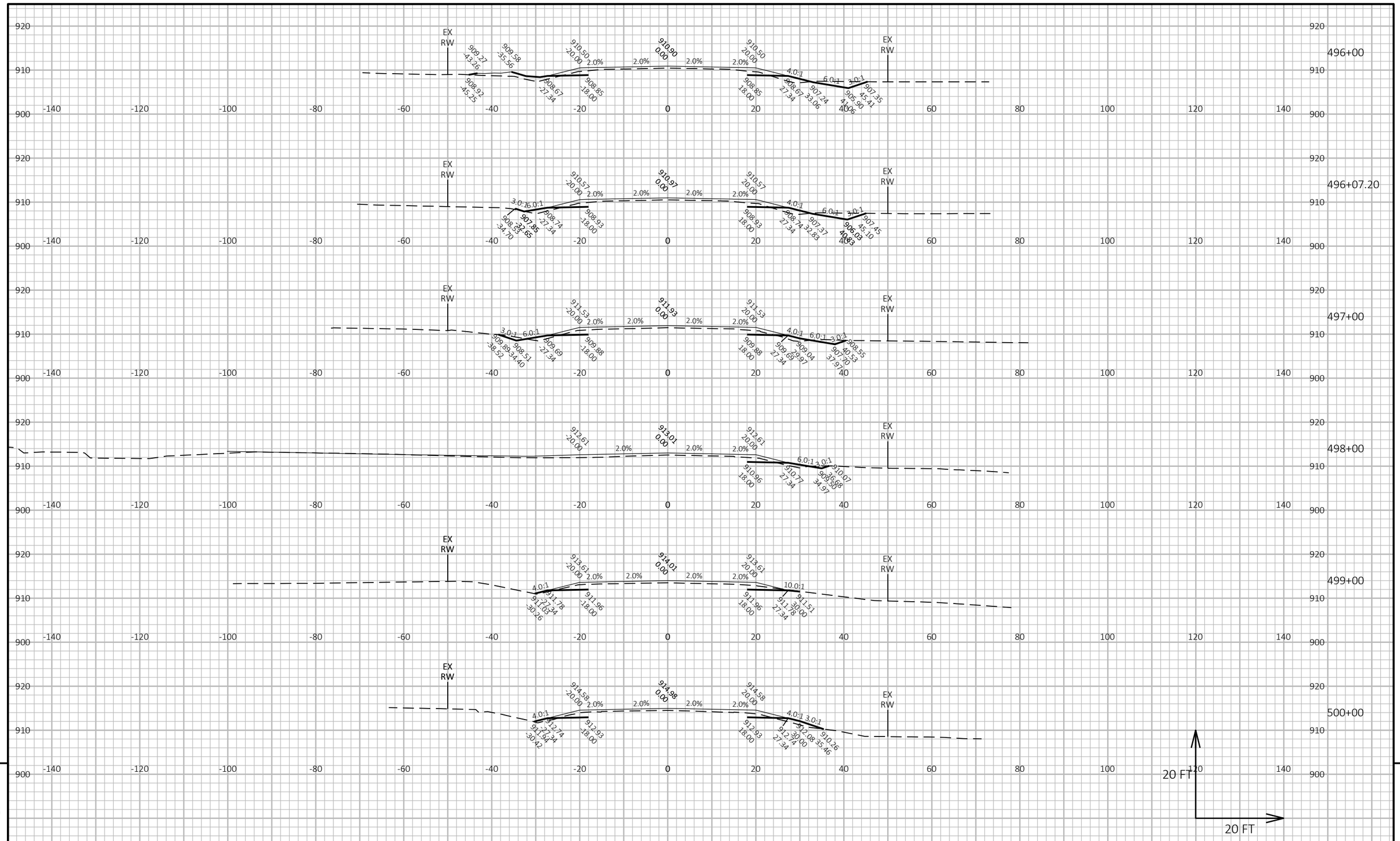


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 497 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 98

PLOT DATE : 7/19/2022 11:43 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

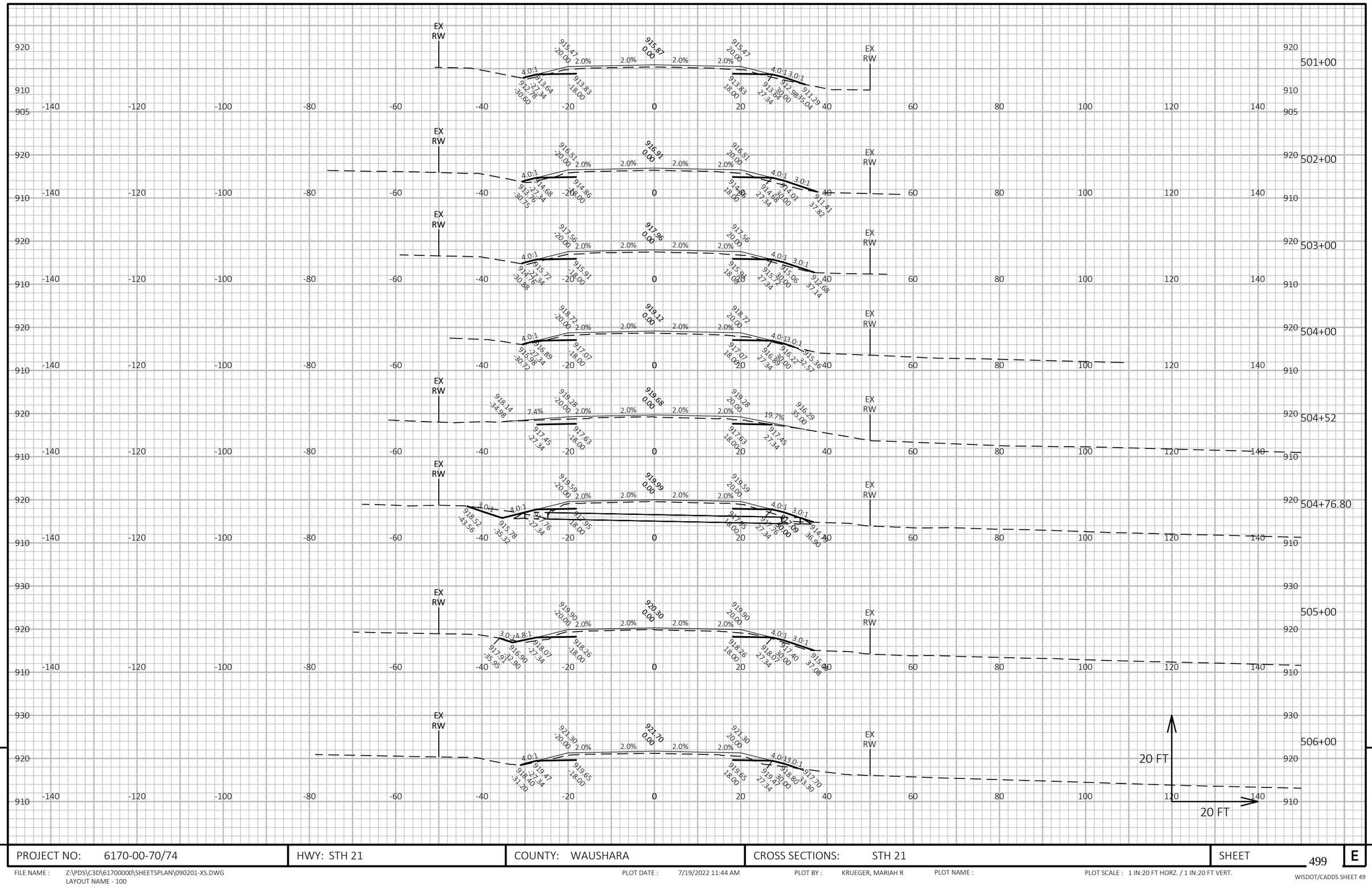


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 498	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 99

PLOT DATE : 7/19/2022 11:44 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

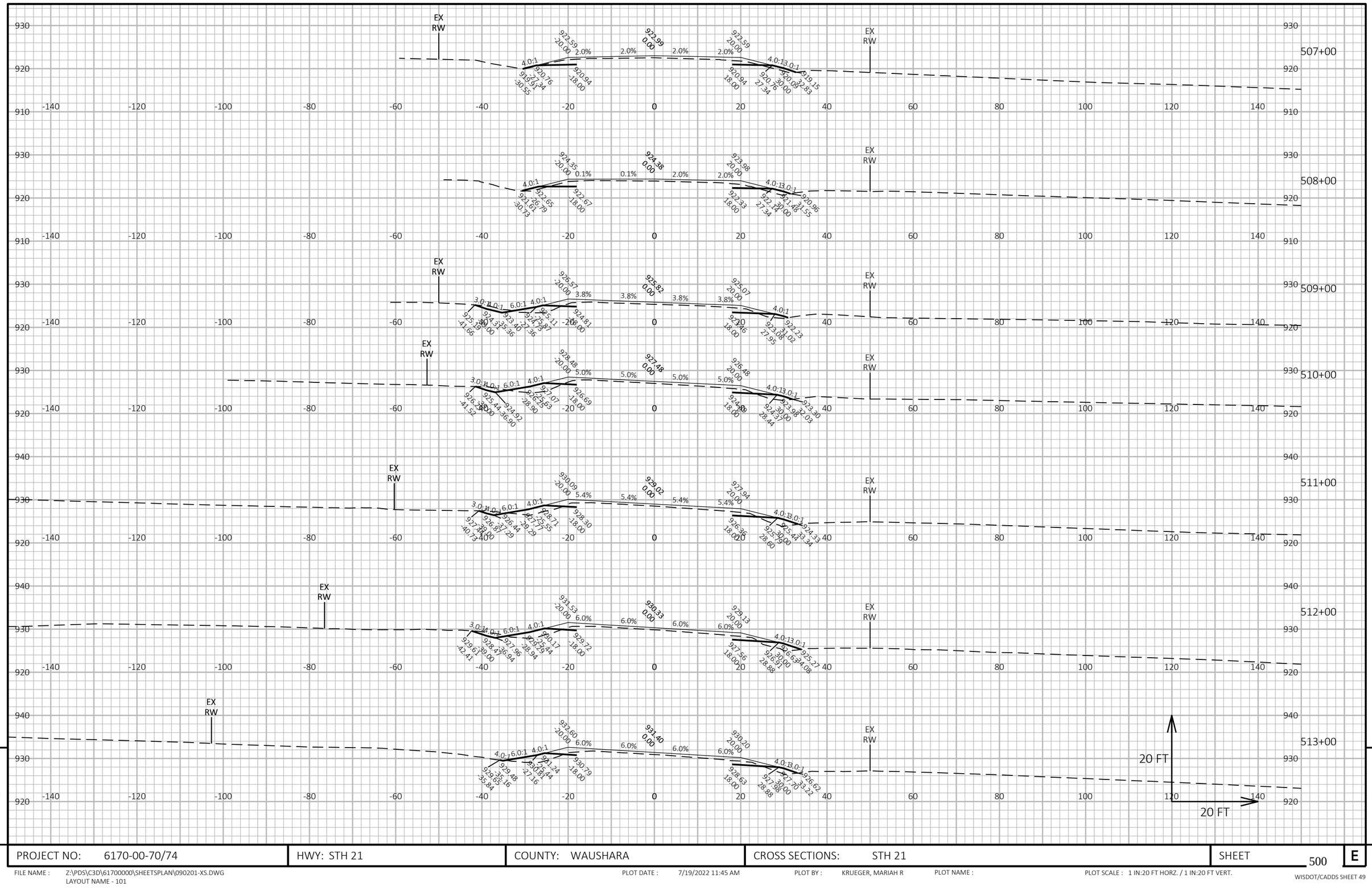


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 499	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 100

PLOT DATE : 7/19/2022 11:44 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

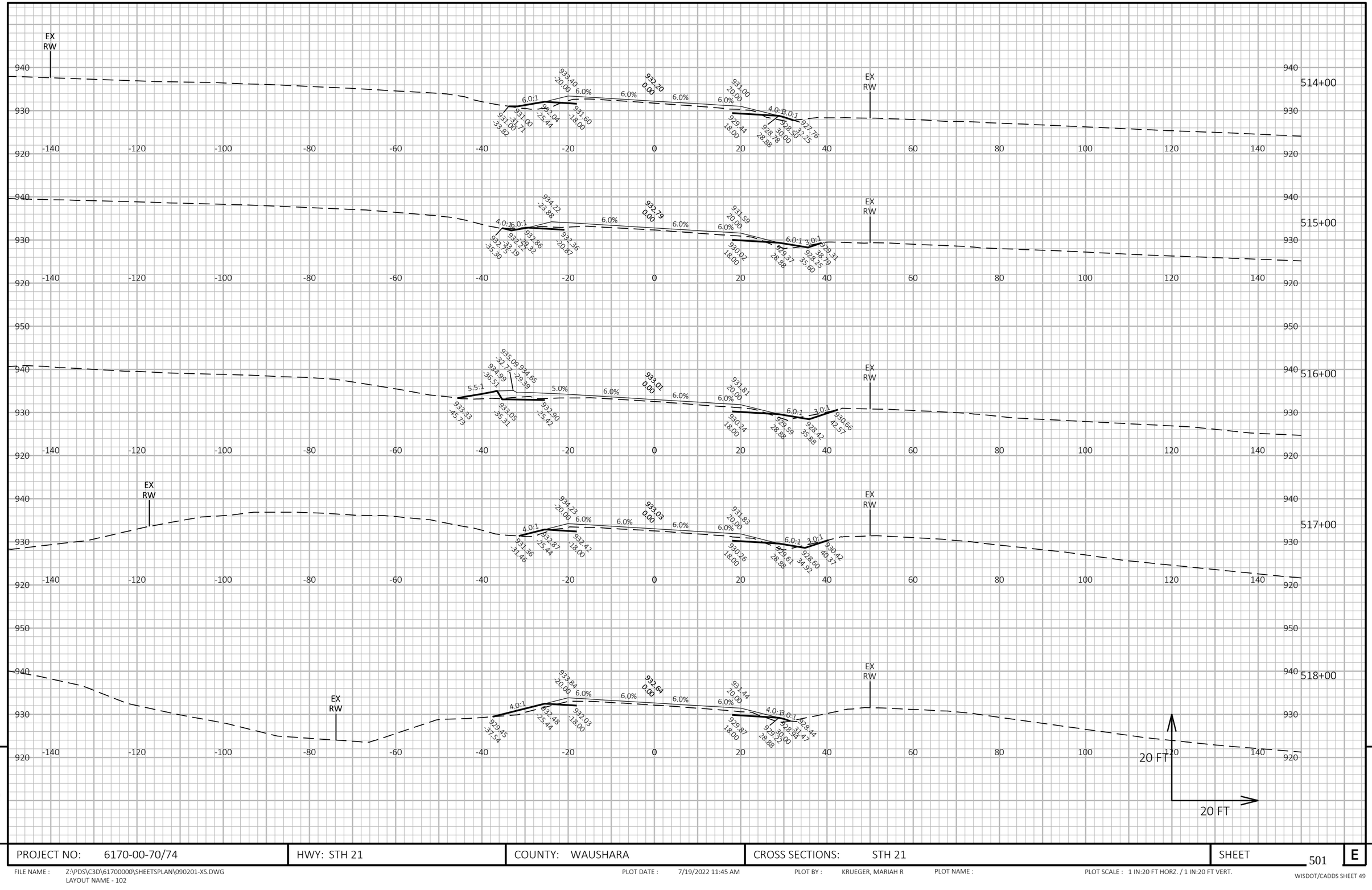


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 500 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 101

PLOT DATE : 7/19/2022 11:45 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 501	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 102

PLOT DATE : 7/19/2022 11:45 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

519+00

520+00

521+00

522+00

523+00

EX RW

RWTLE

6.0%

4.0:1

3.0:1

20 FT

20 FT

9

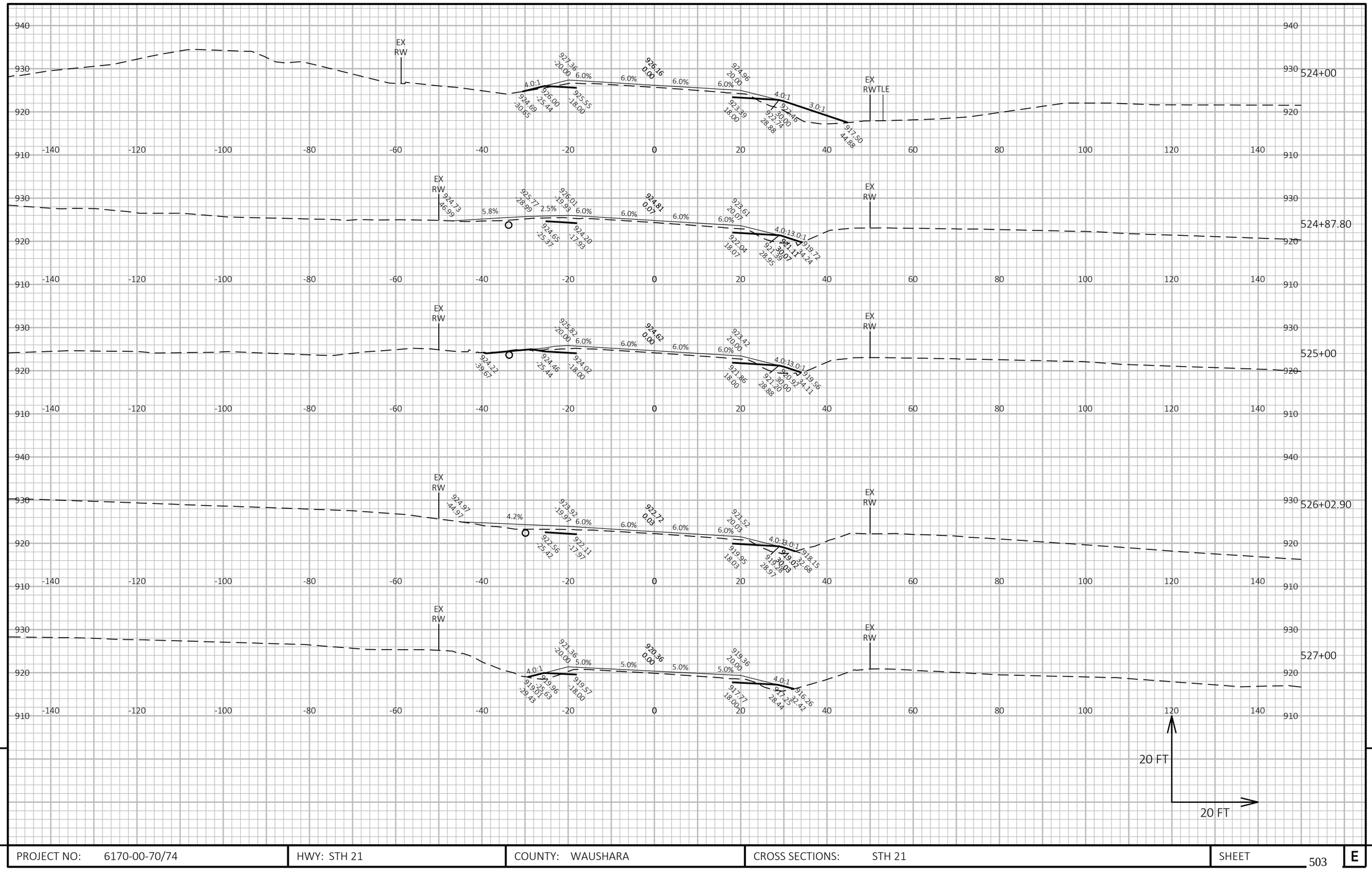
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 502	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 103

PLOT DATE : 7/19/2022 11:46 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

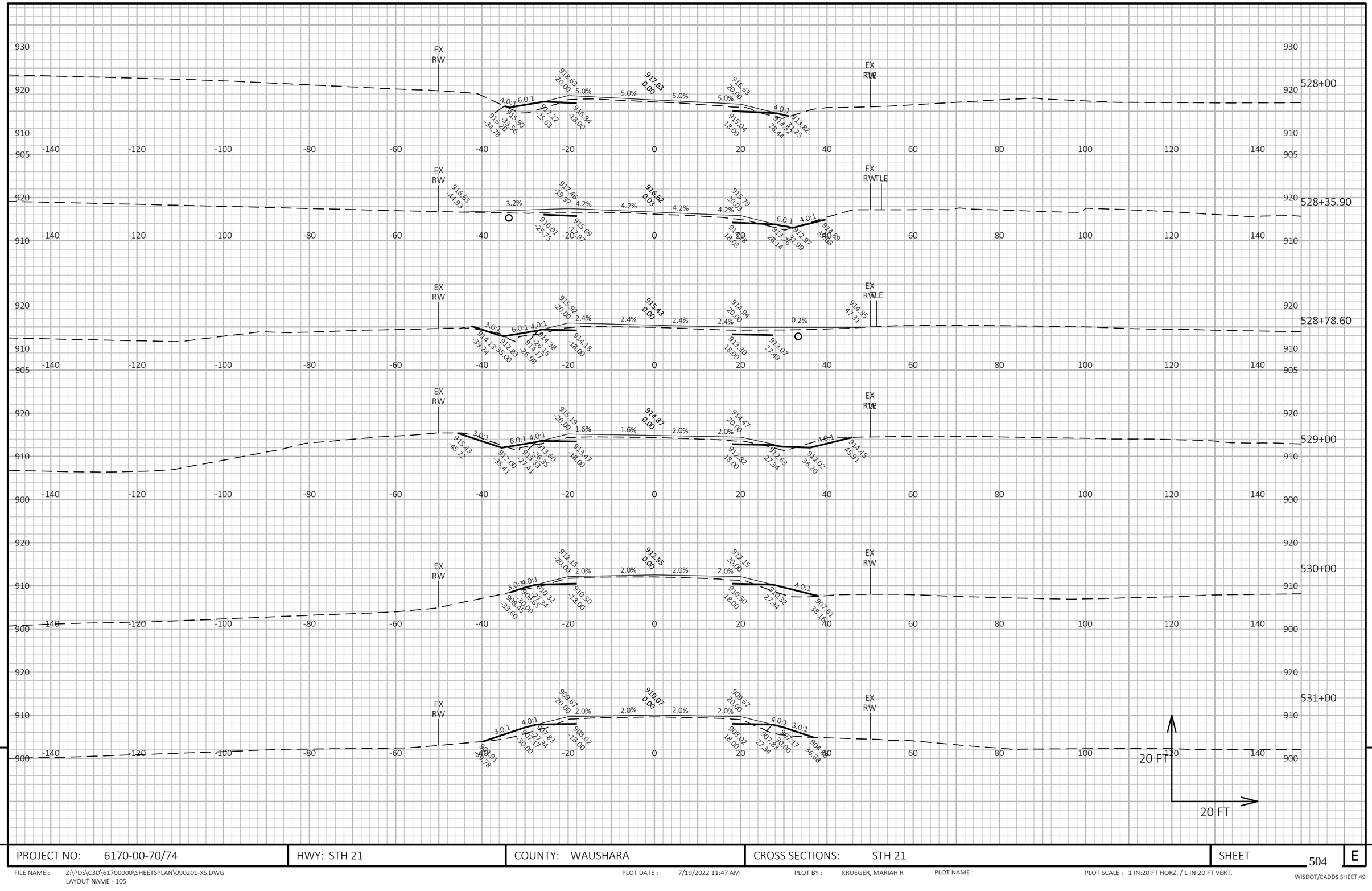


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 503	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 104

PLOT DATE : 7/19/2022 11:46 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

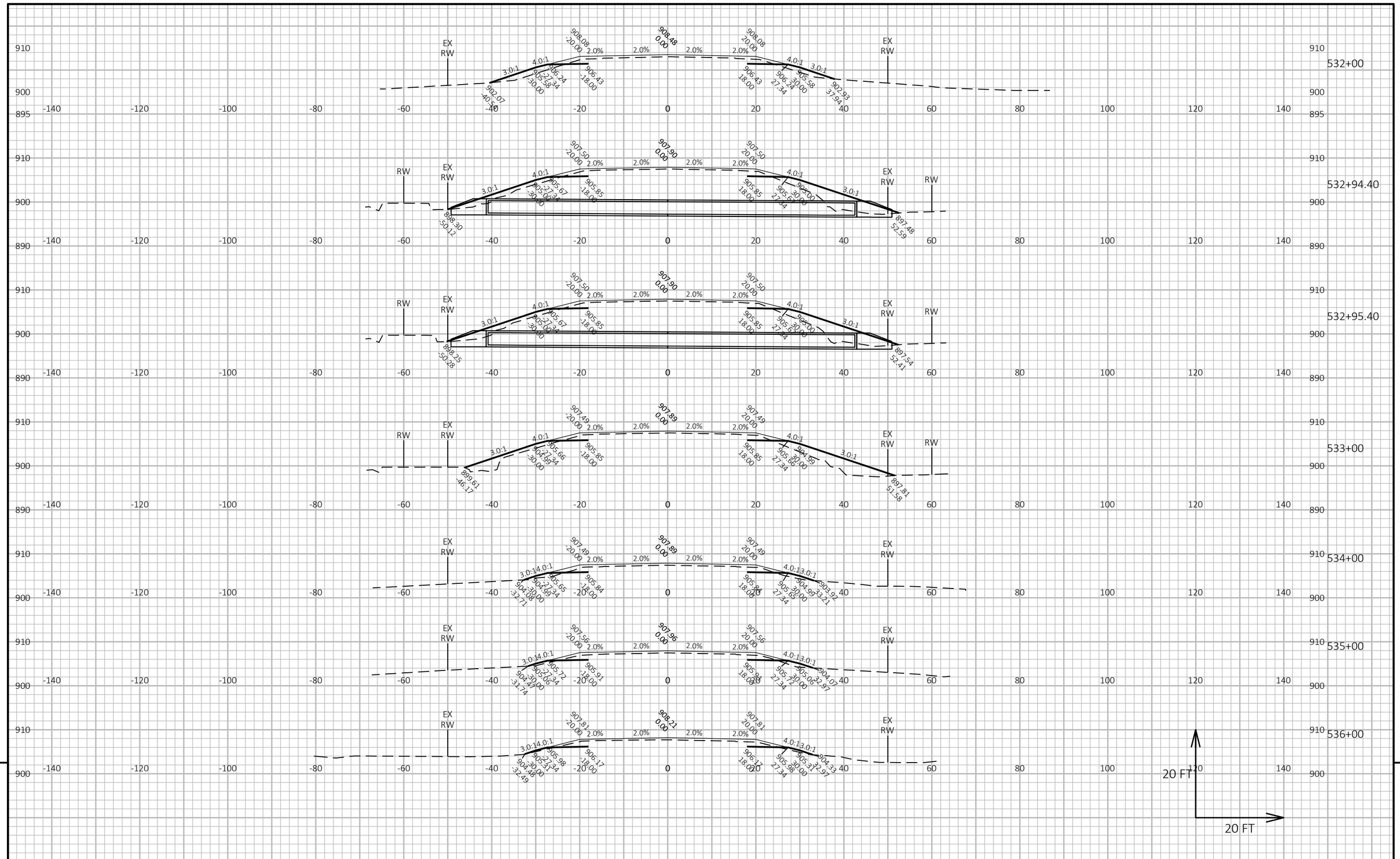


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 504	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 105

PLOT DATE : 7/19/2022 11:47 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 505	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 106

PLOT DATE : 7/19/2022 11:47 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

537+00

537+53.20

538+00

539+00

540+00

541+00

542+00

542+26.20

543+00

20 FT

20 FT

9

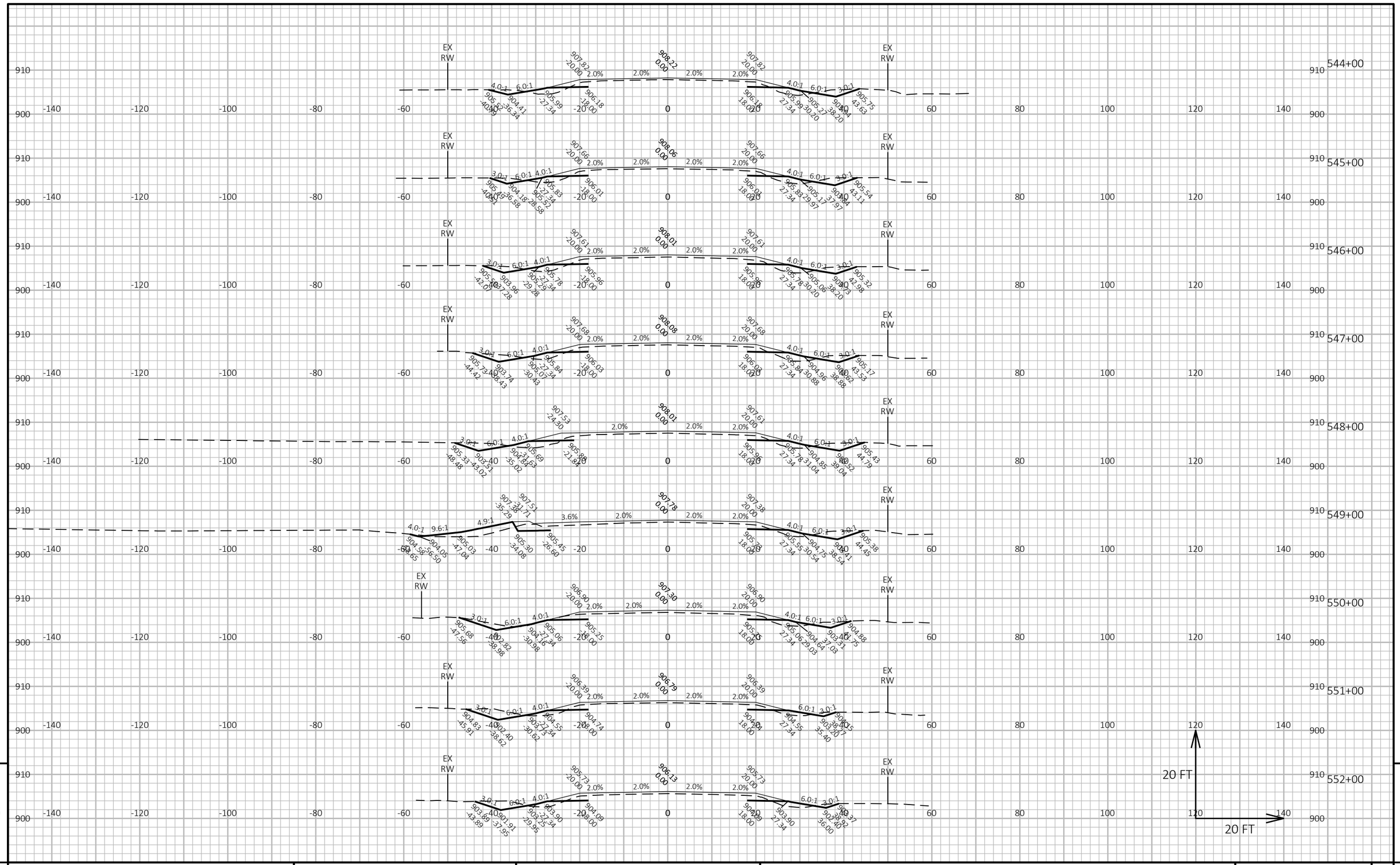
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 506	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 107

PLOT DATE : 7/19/2022 11:48 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

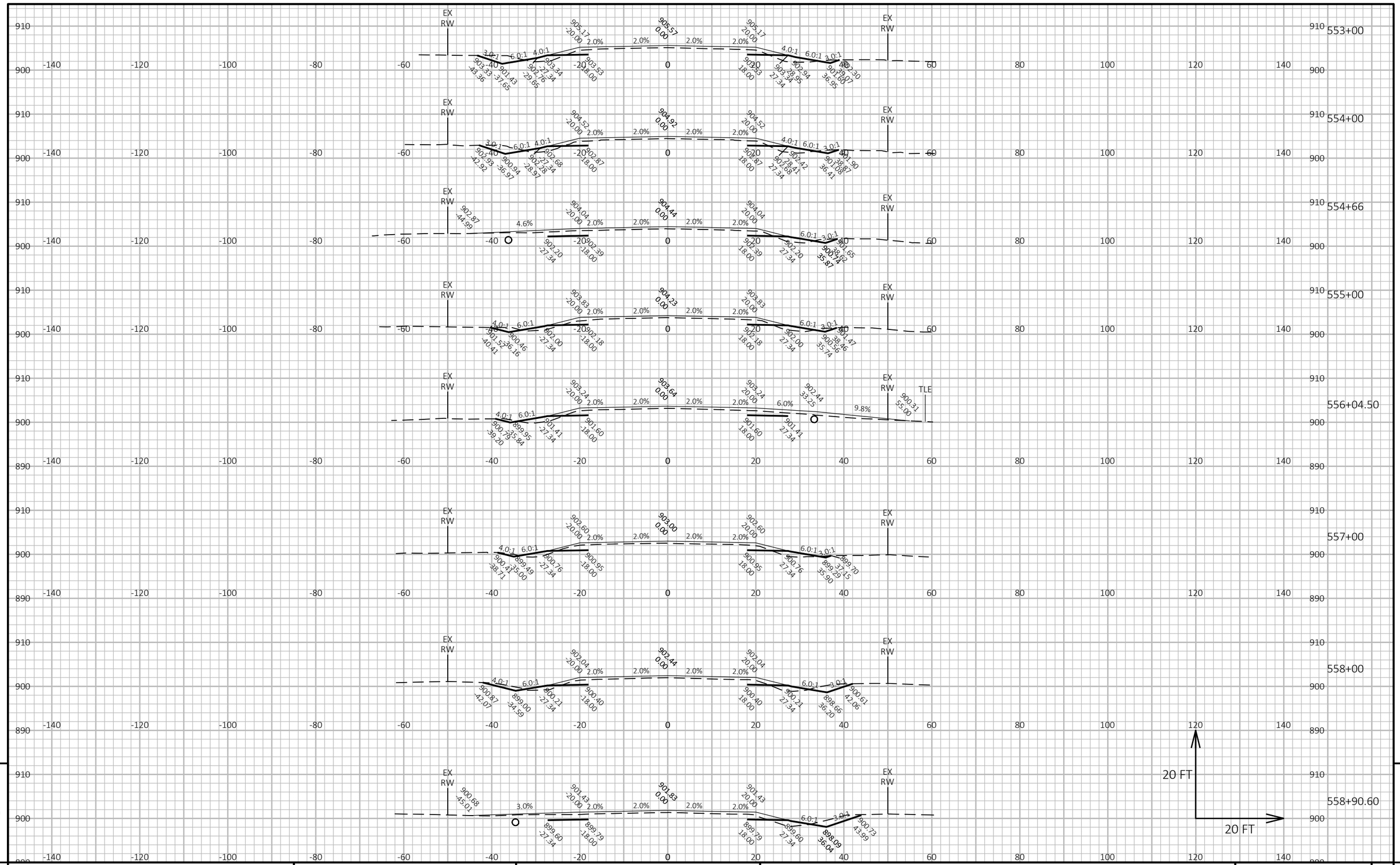


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 507	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 108

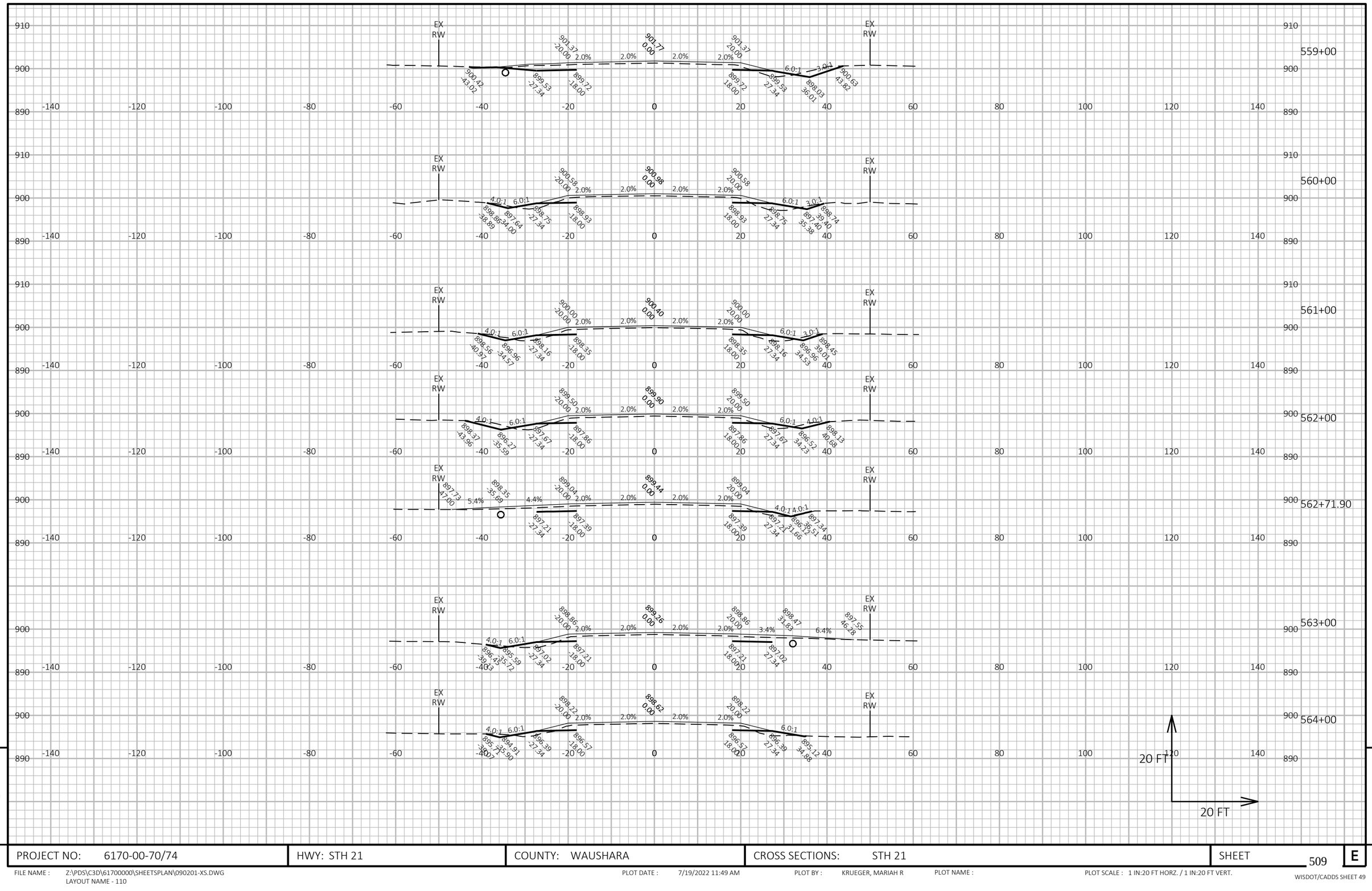
PLOT DATE : 7/19/2022 11:48 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 508	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 109
PLOT DATE : 7/19/2022 11:49 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 509	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 110

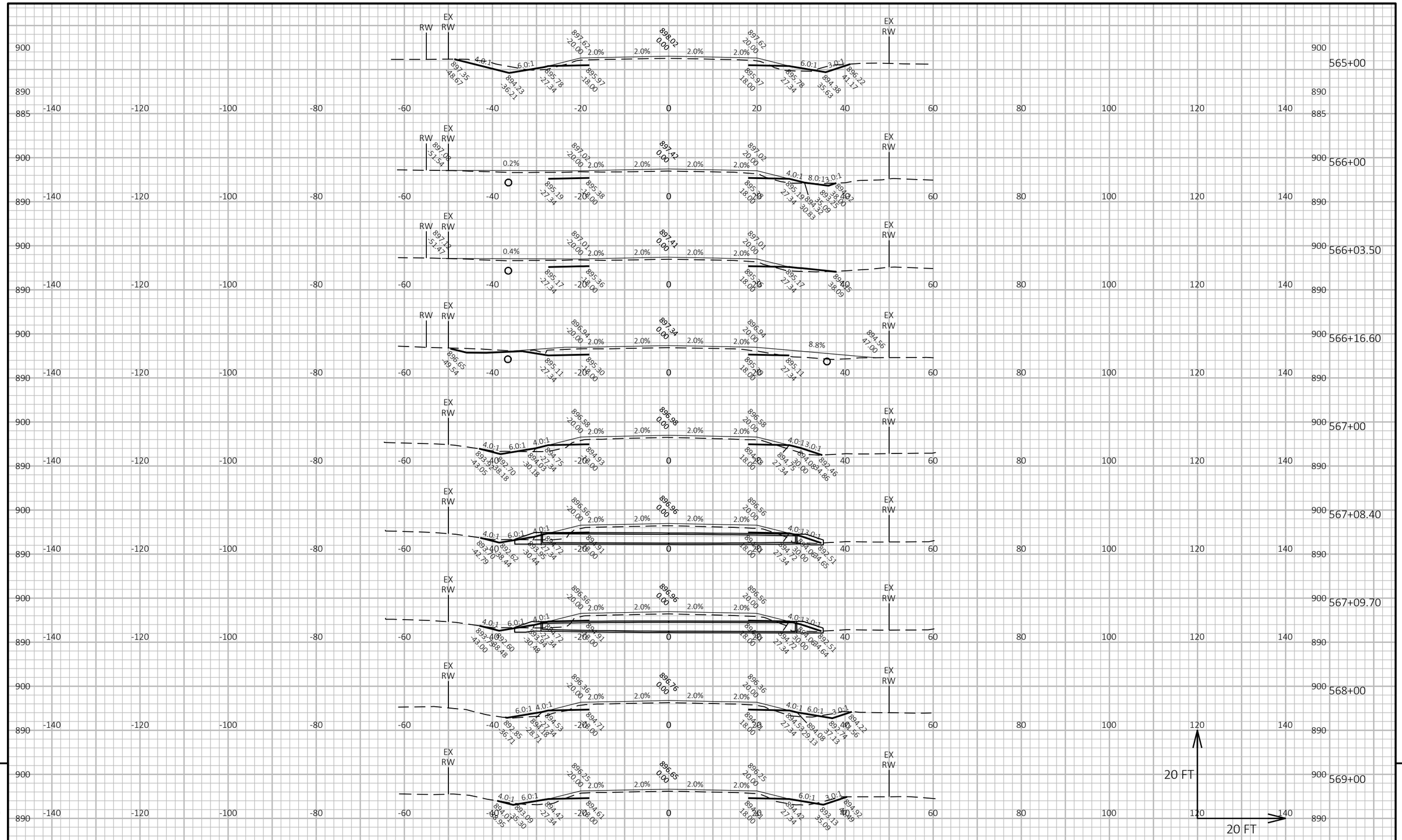
PLOT DATE : 7/19/2022 11:49 AM

PLOT BY : KRUEGER, MARIAH R

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 510	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 111

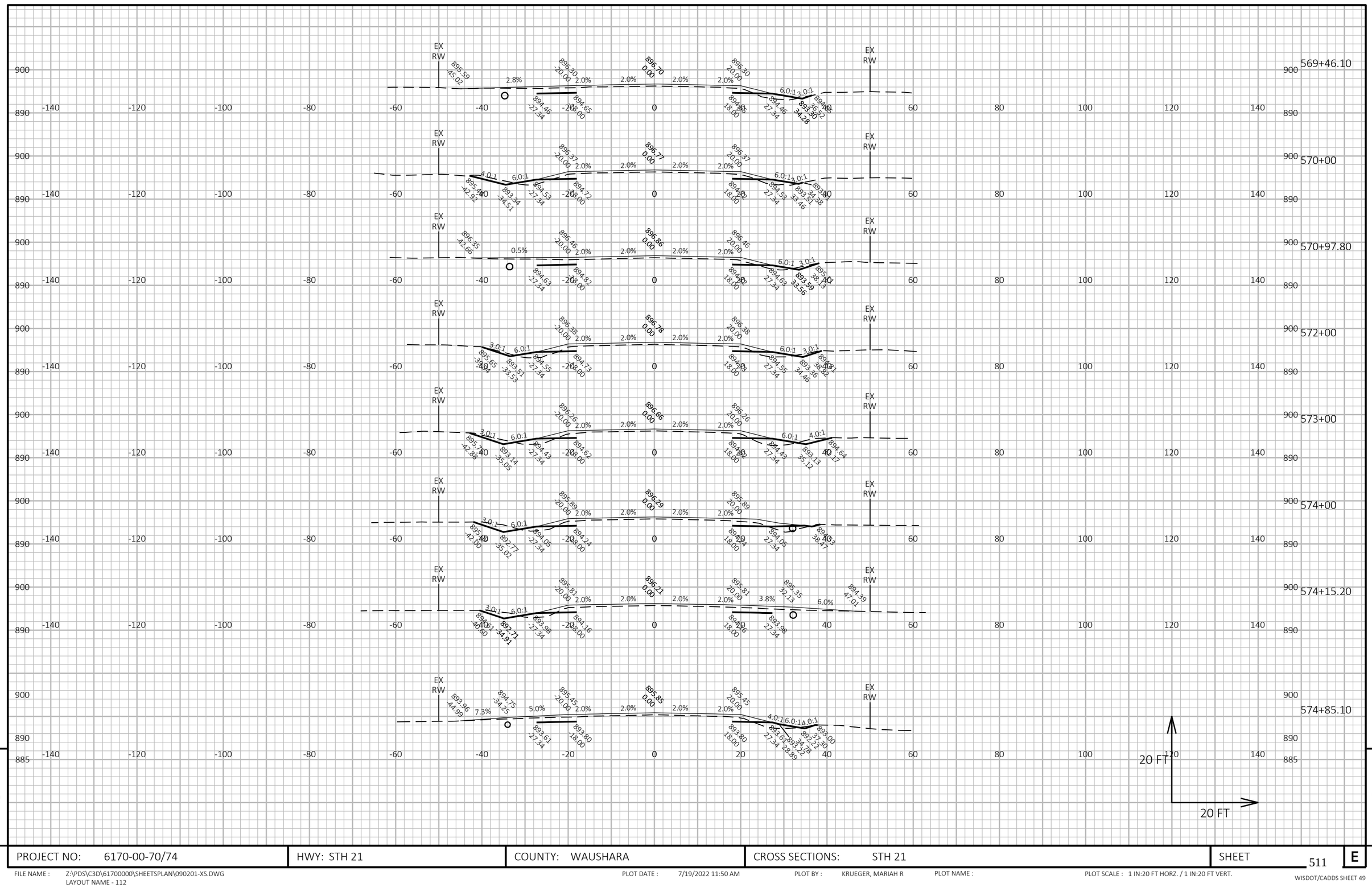
PLOT DATE : 7/19/2022 11:50 AM

PLOT BY : KRUEGER, MARIAH R

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

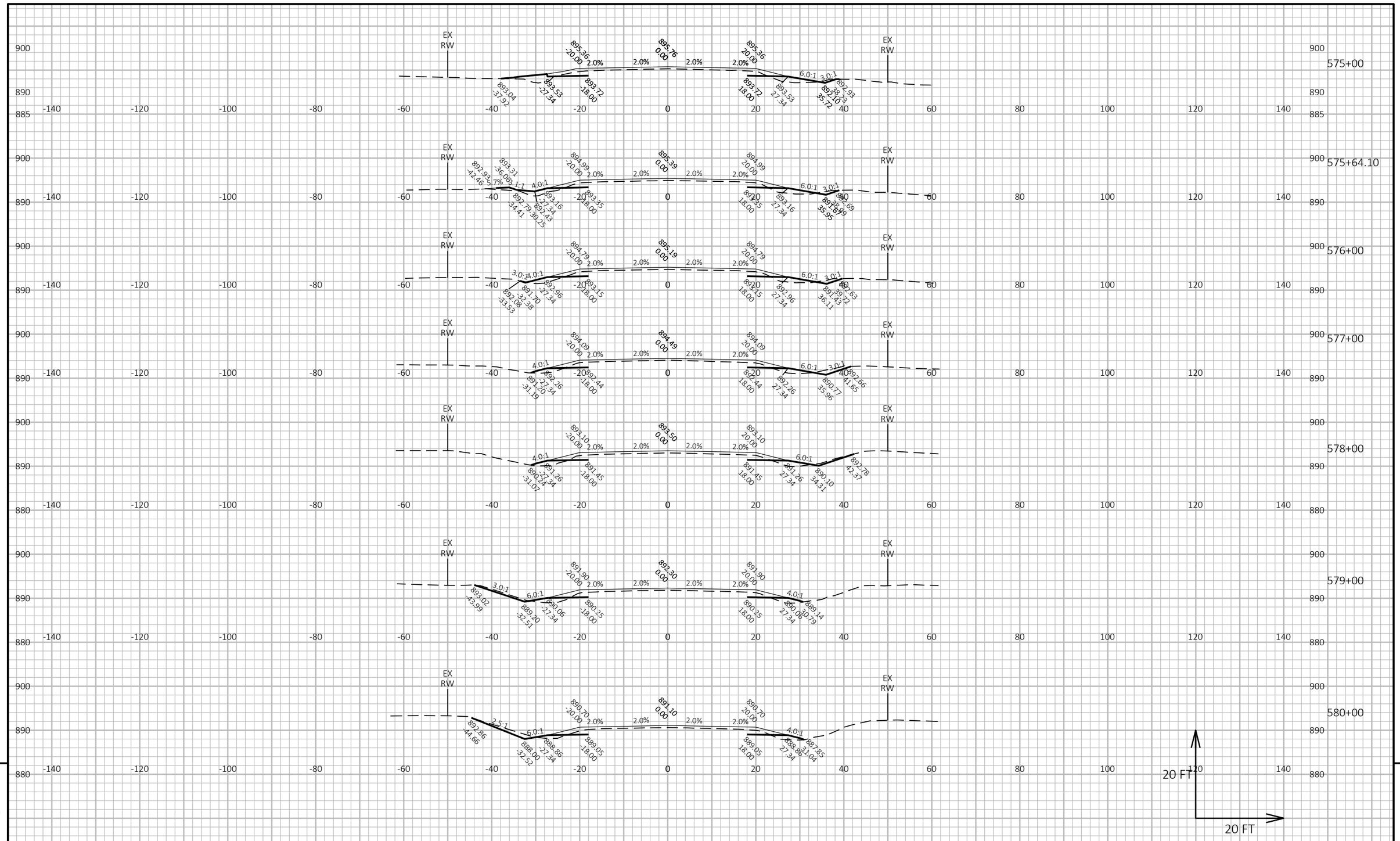


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 511 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 112

PLOT DATE : 7/19/2022 11:50 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

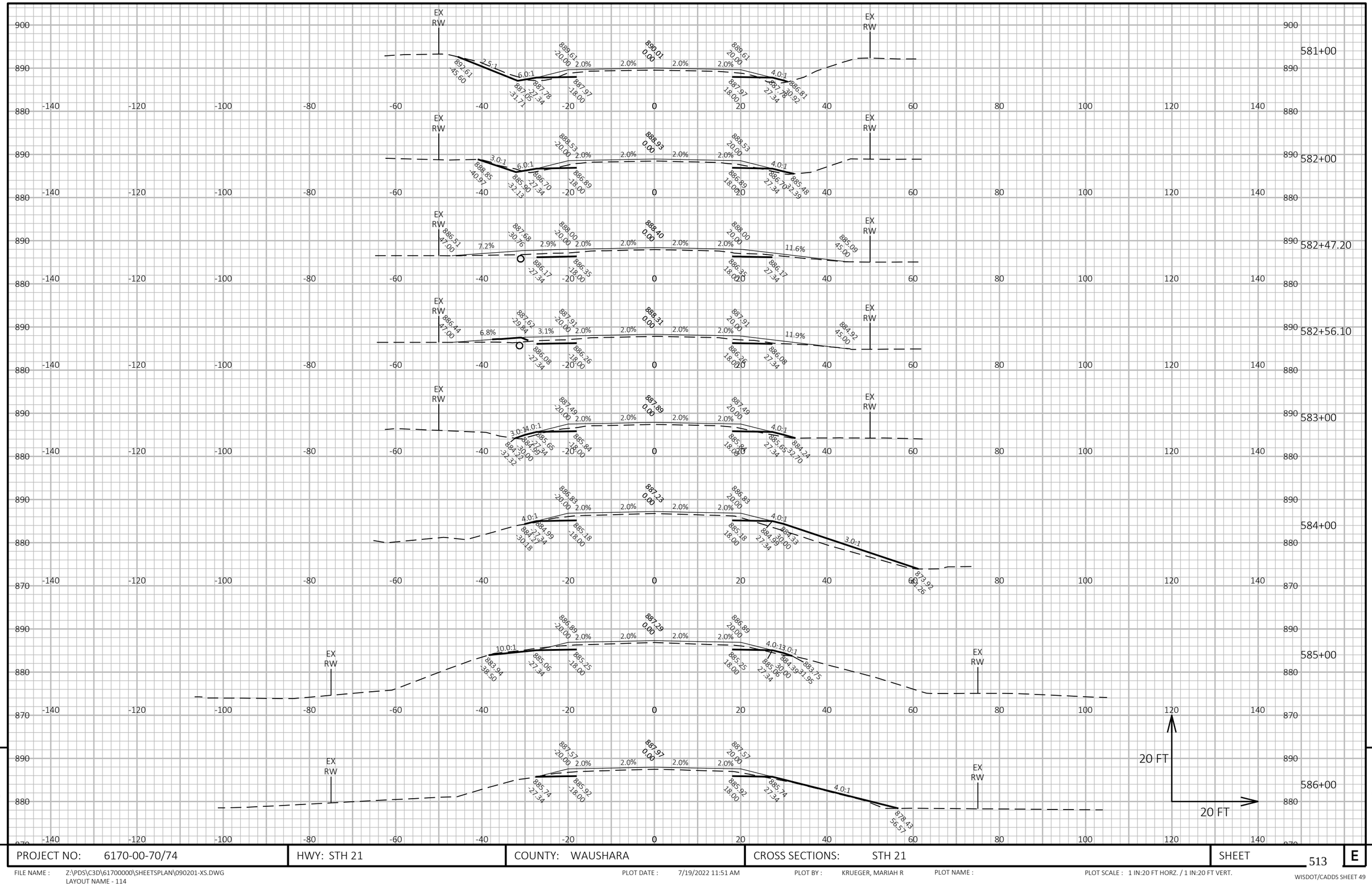


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 512	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 113

PLOT DATE : 7/19/2022 11:51 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

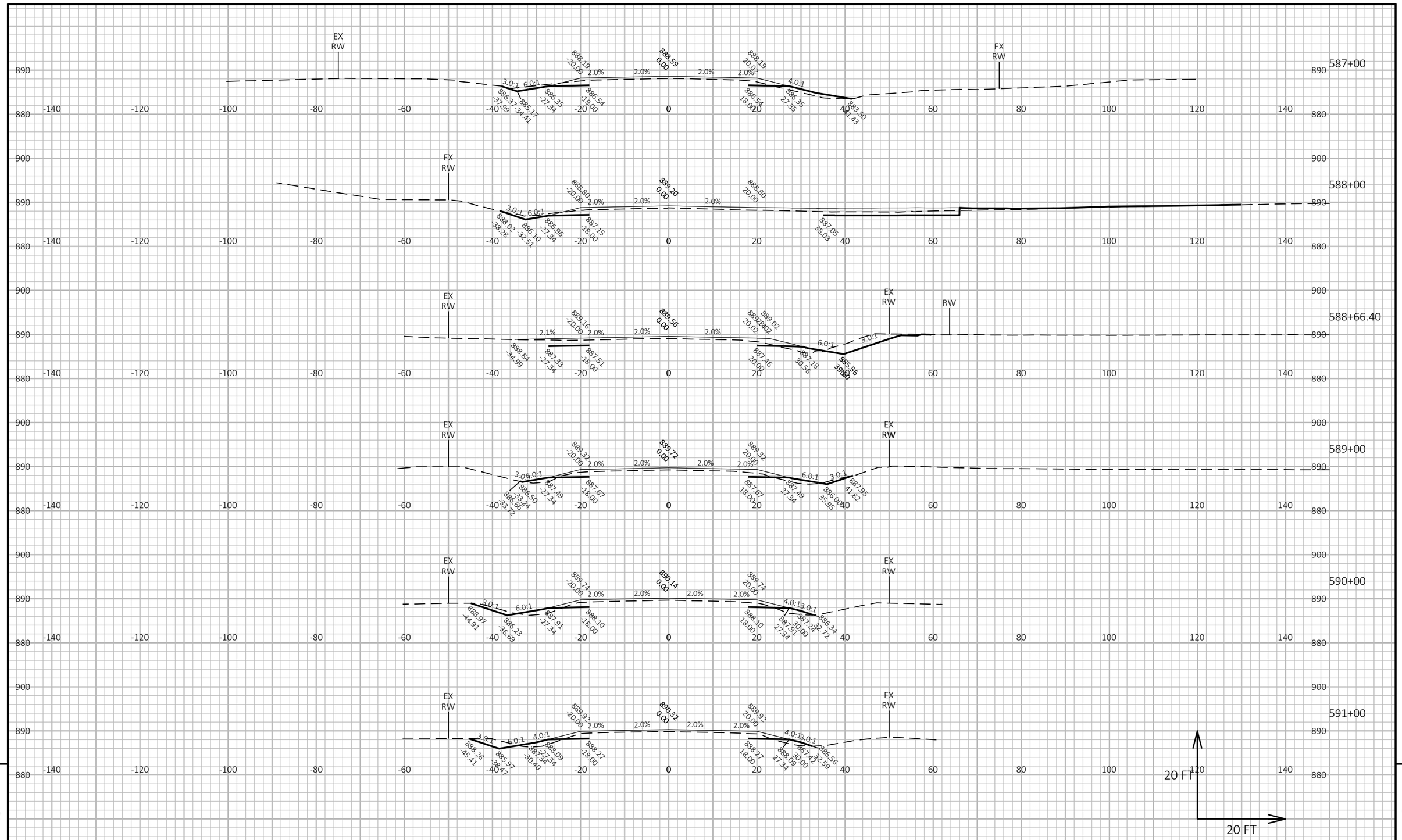


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 513	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 114

PLOT DATE : 7/19/2022 11:51 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 514	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 115

PLOT DATE : 7/19/2022 11:52 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

592+00

593+00

594+00

595+00

596+00

597+00

598+00

598+50

599+00

20 FT

20 FT

9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 515	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 116

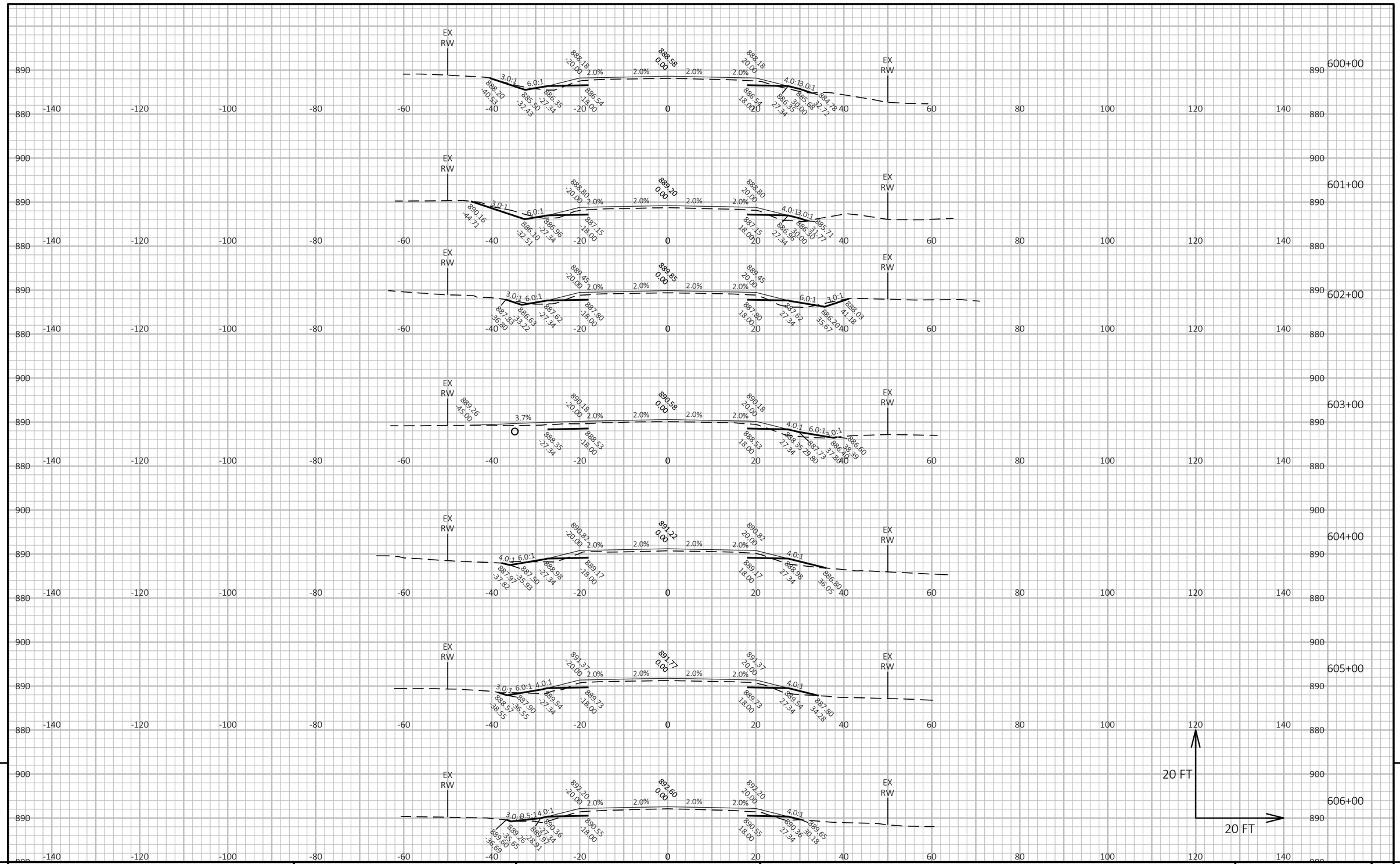
PLOT DATE : 7/19/2022 11:53 AM

PLOT BY : KRUEGER, MARIAH R

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 516	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 117

PLOT DATE : 7/19/2022 11:53 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

606+23.20

607+00

608+00

608+19.50

609+00

610+00

611+00

612+00

20 FT

20 FT

9

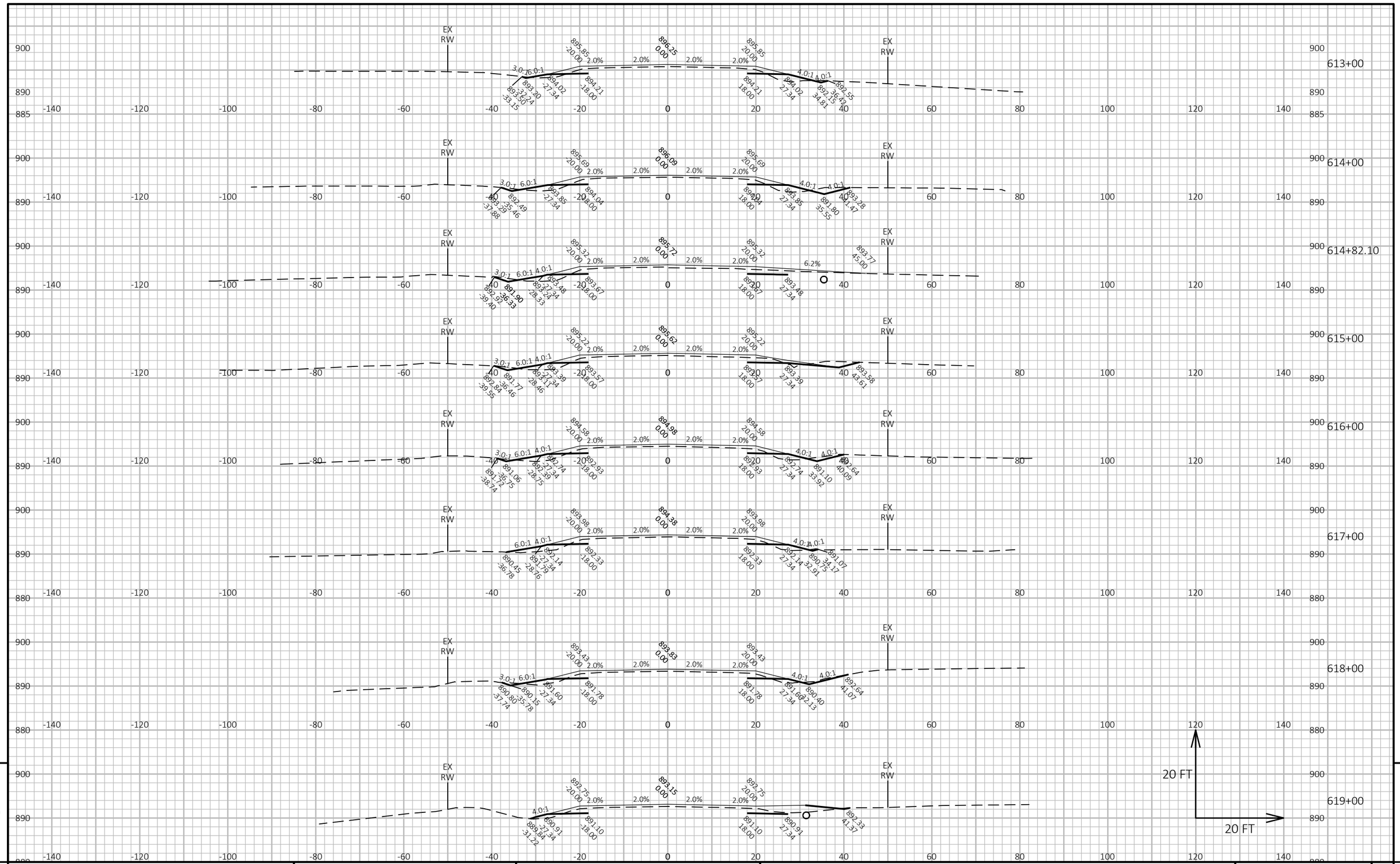
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 517	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 118

PLOT DATE : 7/19/2022 11:54 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

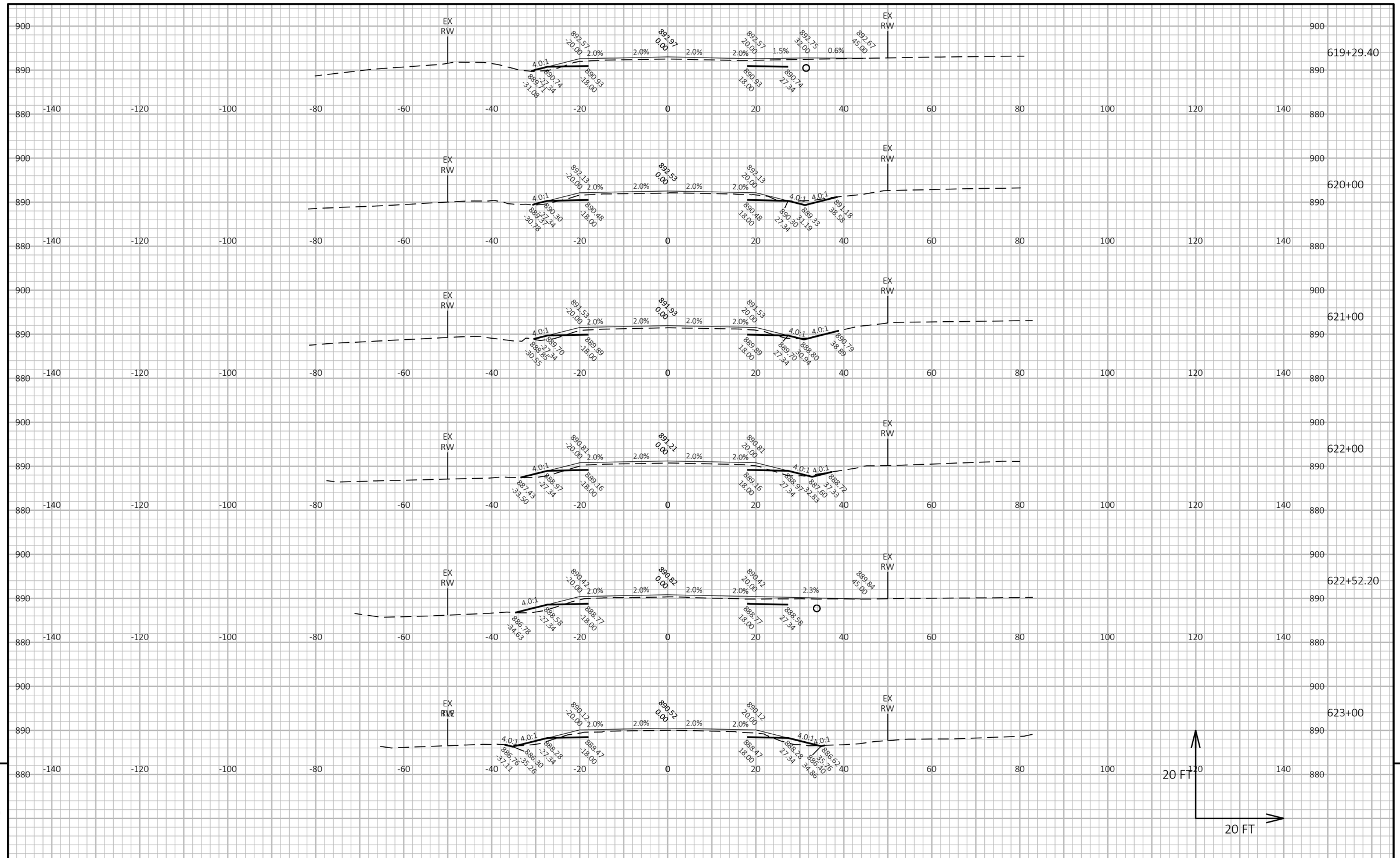


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 518	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 119

PLOT DATE : 7/19/2022 11:54 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

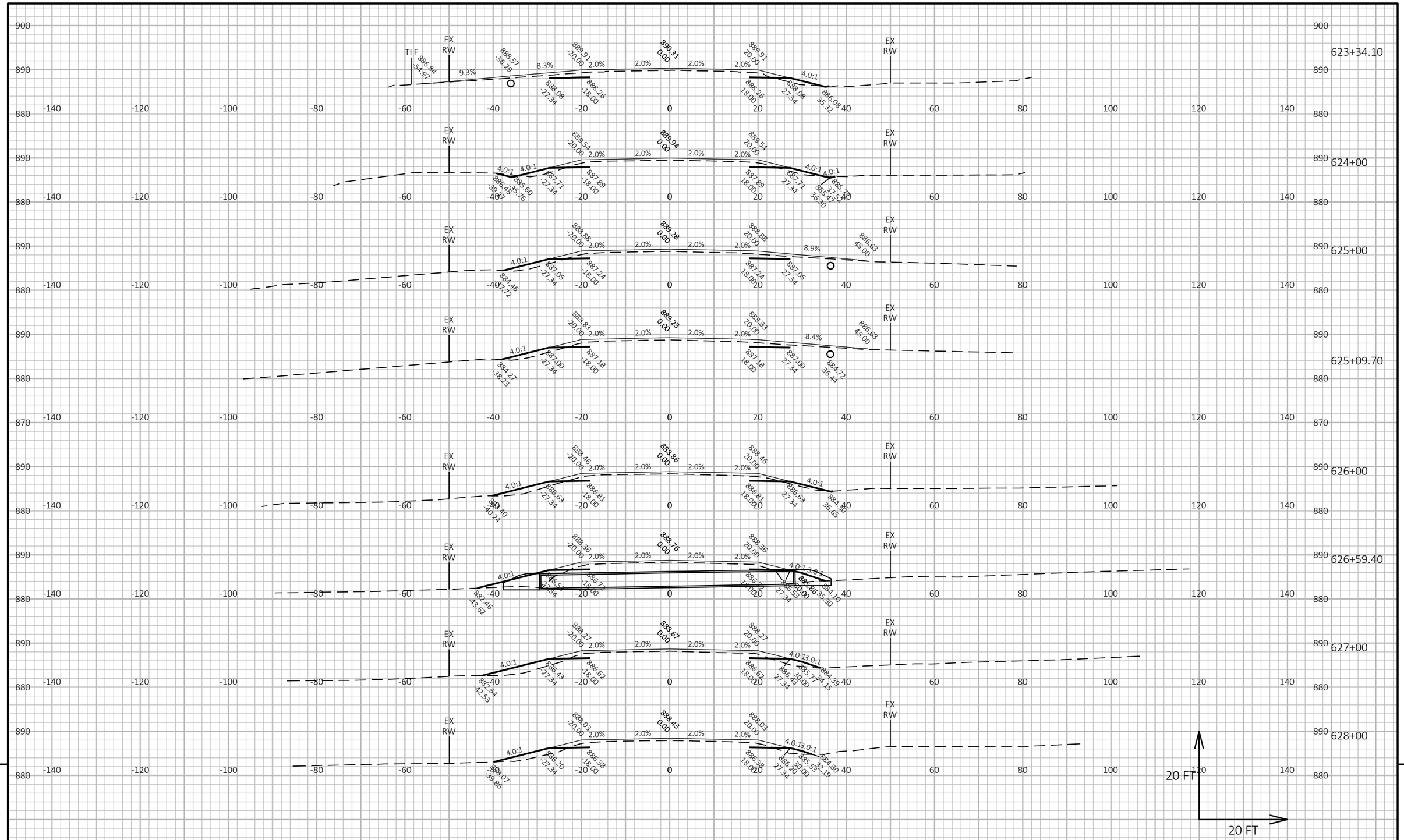


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 519	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 120

PLOT DATE : 7/19/2022 11:55 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

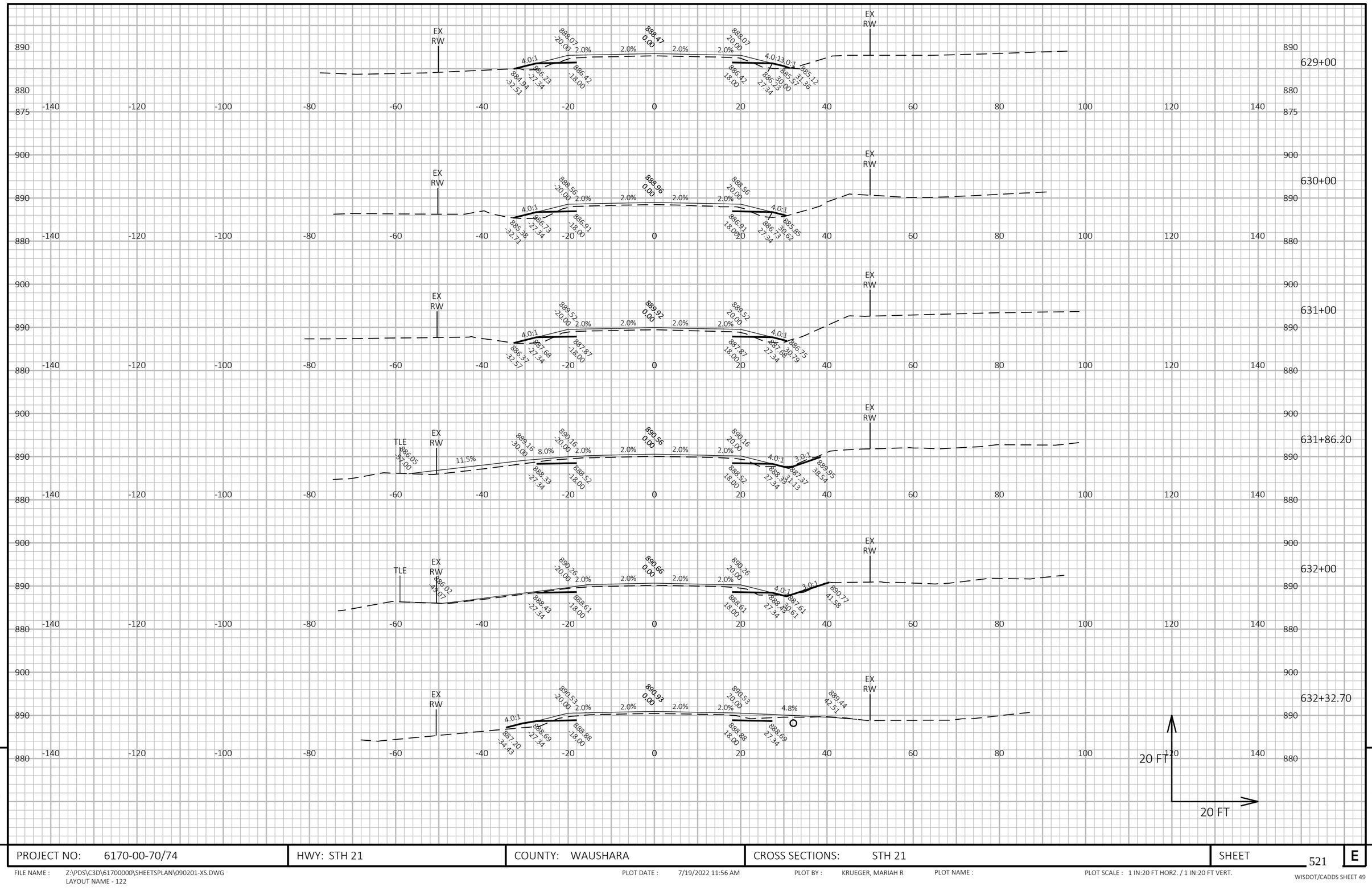


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 520	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 121

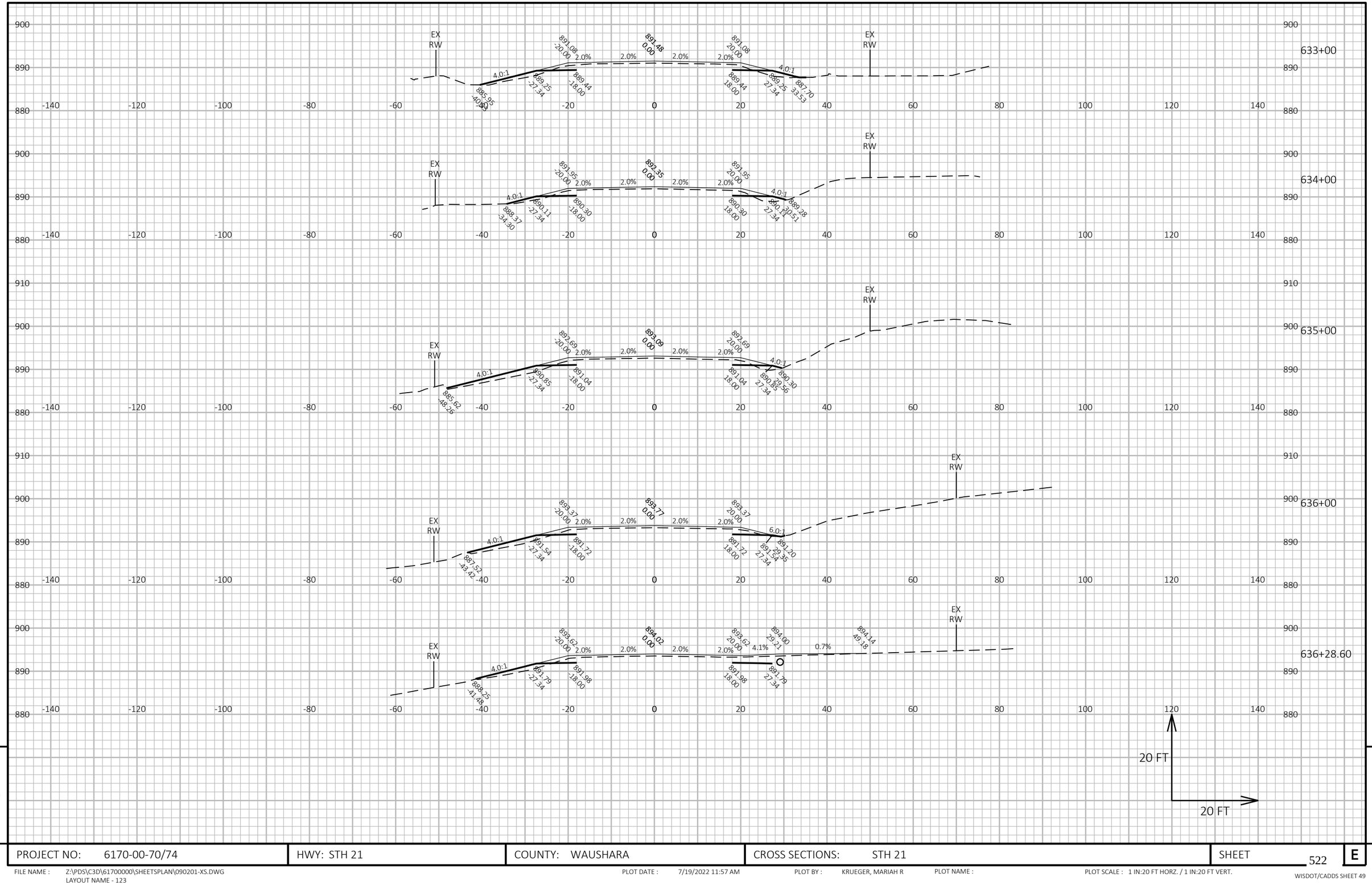
PLOT DATE : 7/19/2022 11:56 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 521	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 122
PLOT DATE : 7/19/2022 11:56 AM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

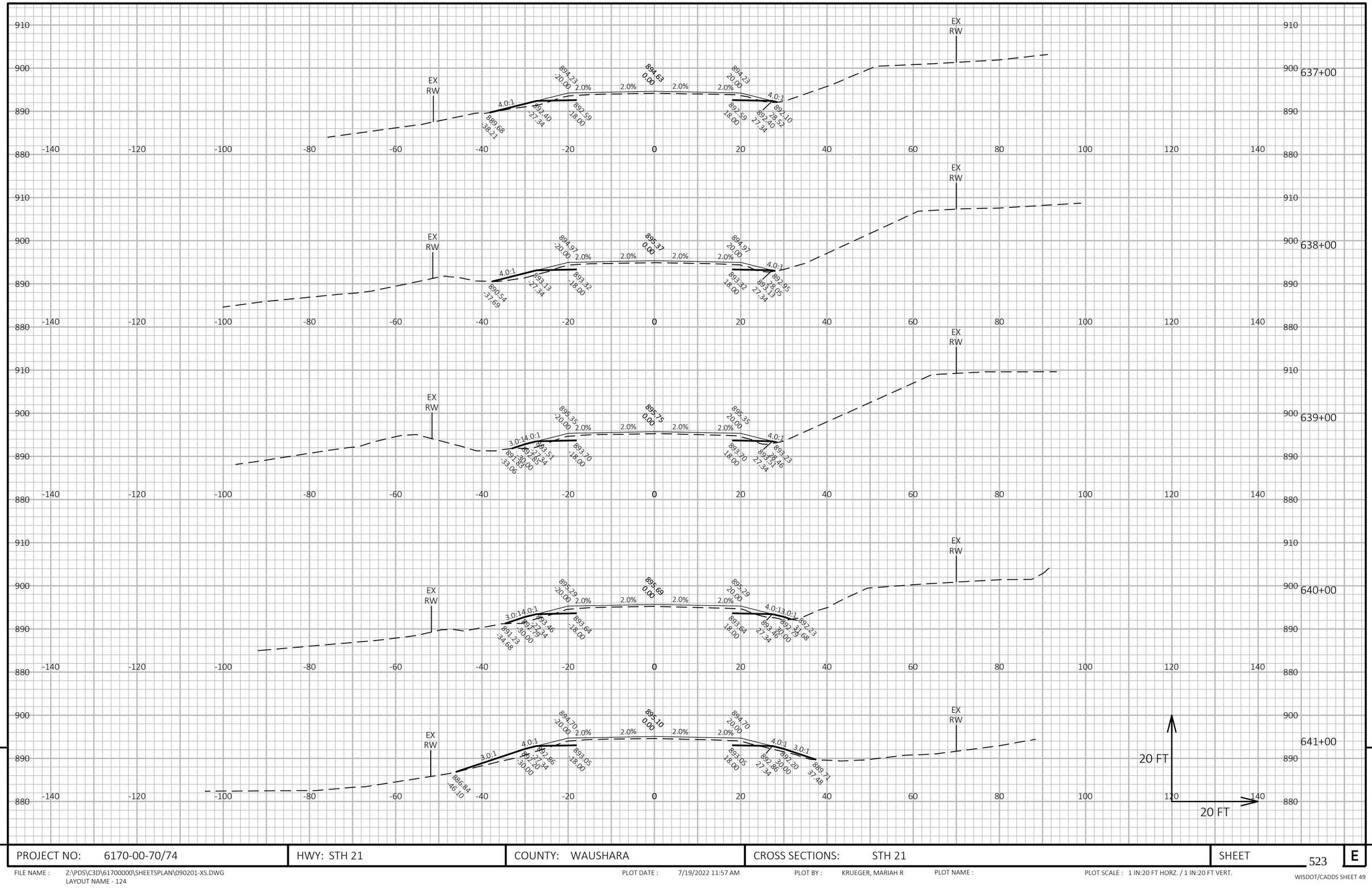


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 522	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 123

PLOT DATE : 7/19/2022 11:57 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

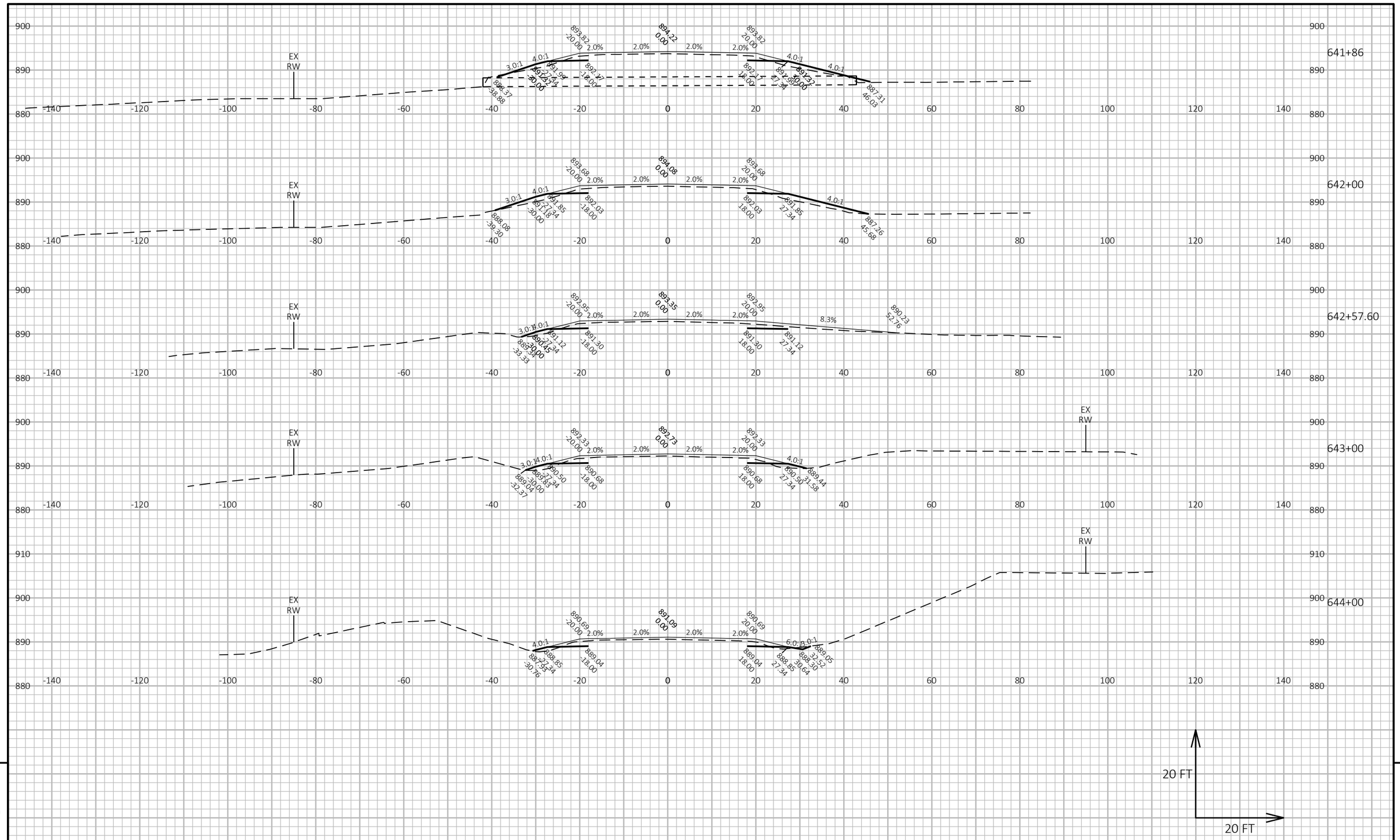


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 523	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 124

PLOT DATE : 7/19/2022 11:57 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

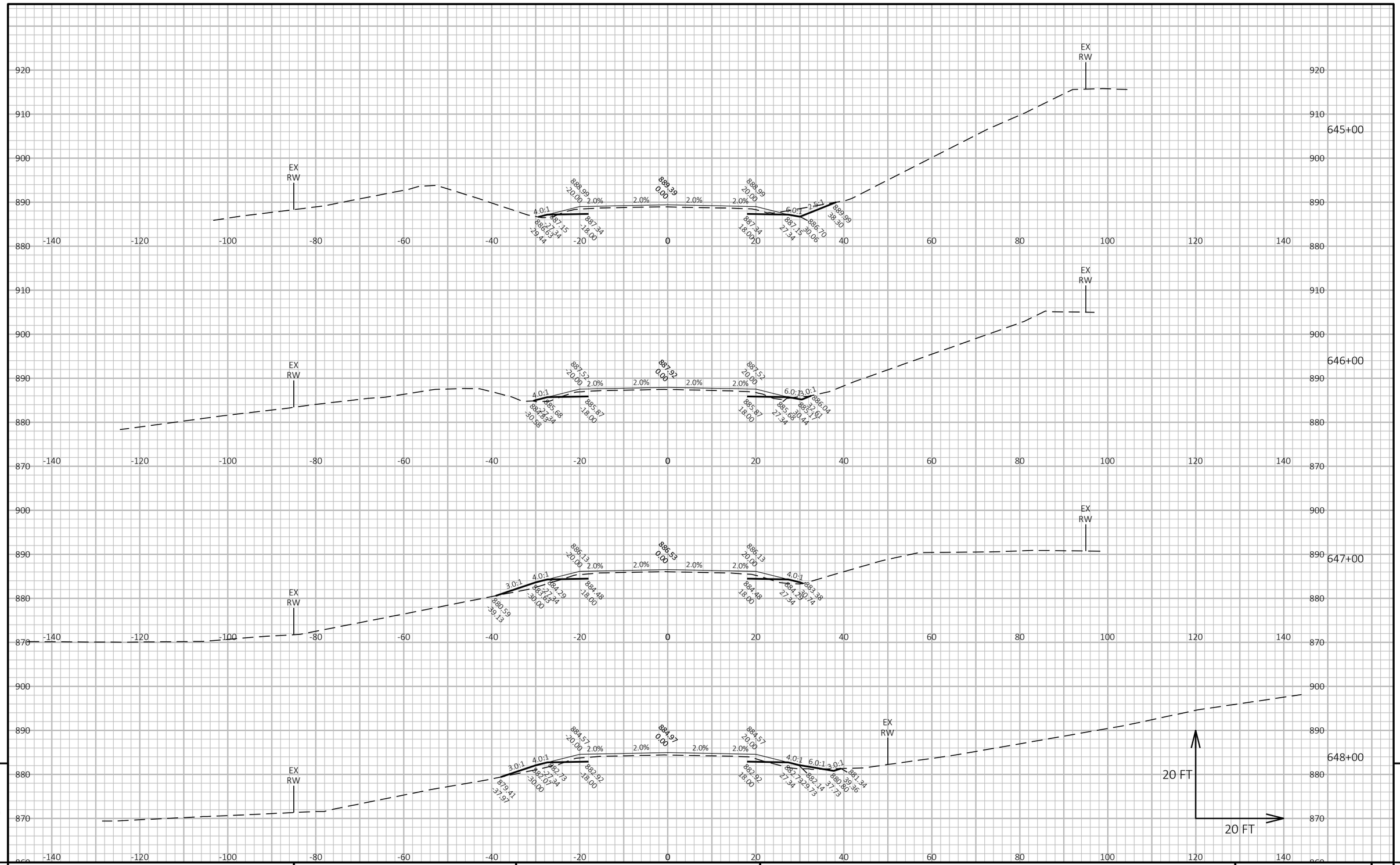
WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 524	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 125

PLOT DATE : 7/19/2022 11:58 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 525	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 126

PLOT DATE : 7/19/2022 11:58 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

649+00

650+00

651+00

652+00

653+00

653+58.50

654+00

20 FT

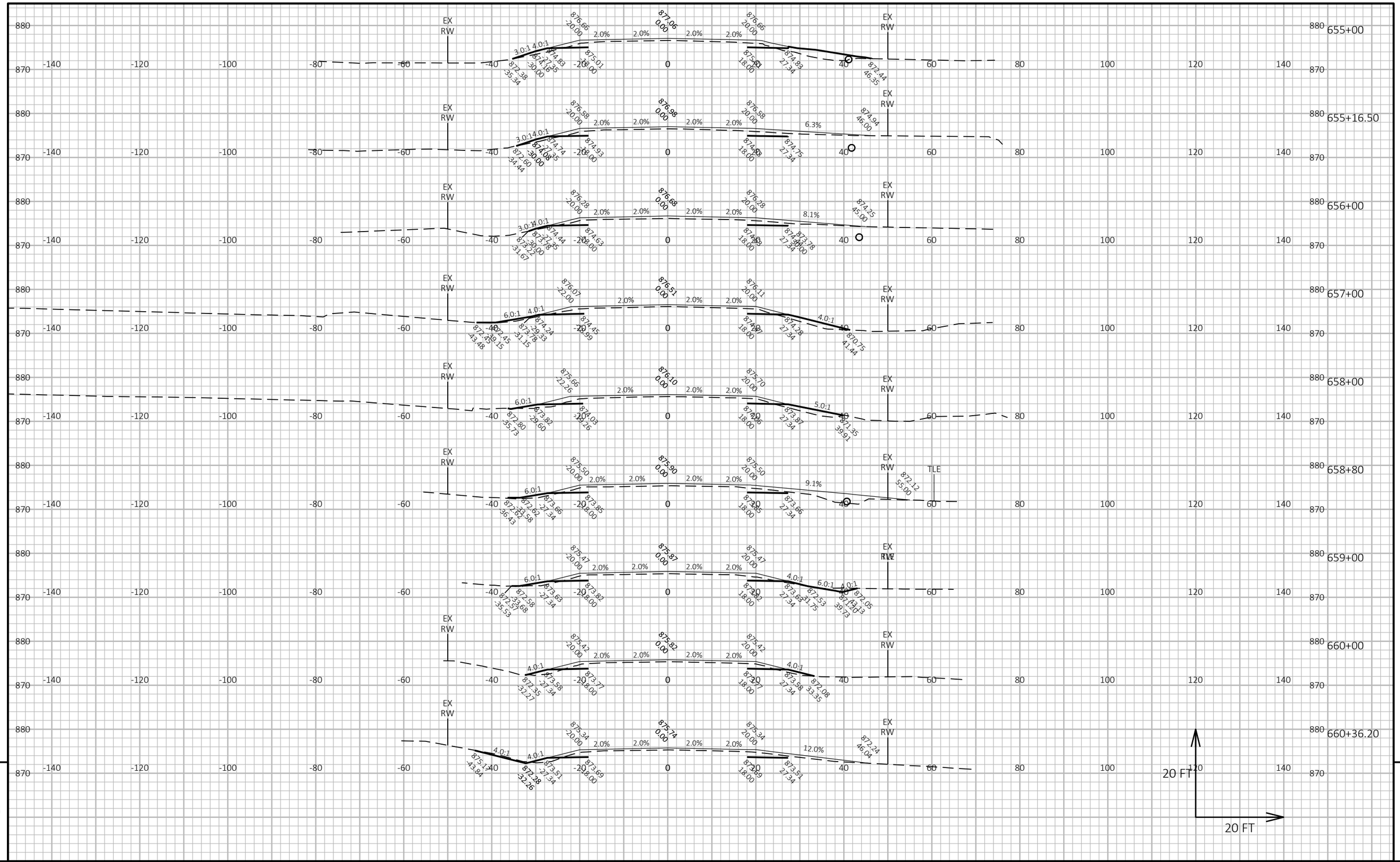
20 FT

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 526 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 127

PLOT DATE : 7/19/2022 11:59 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

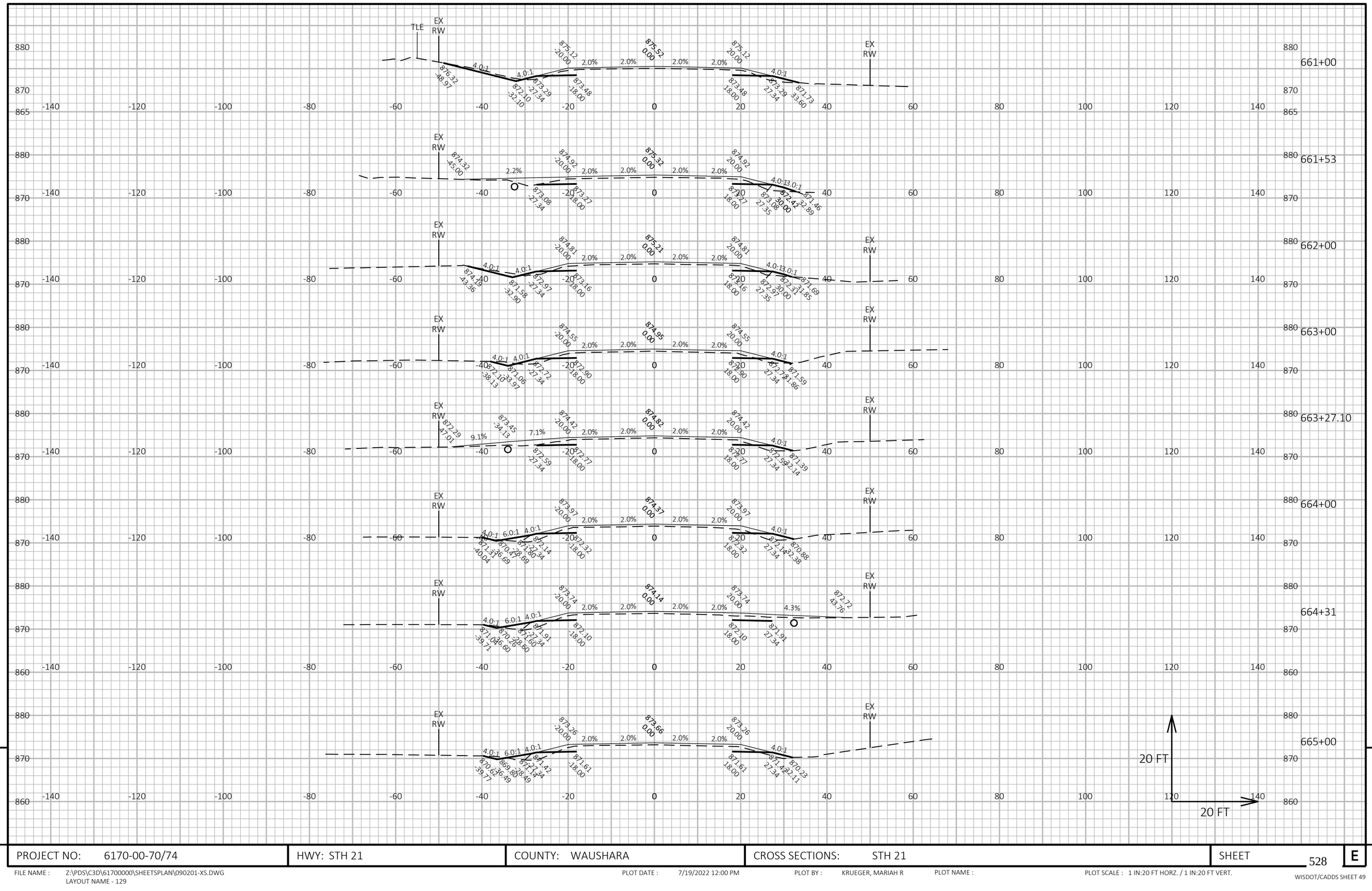
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 527	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 128

PLOT DATE : 7/19/2022 11:59 AM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

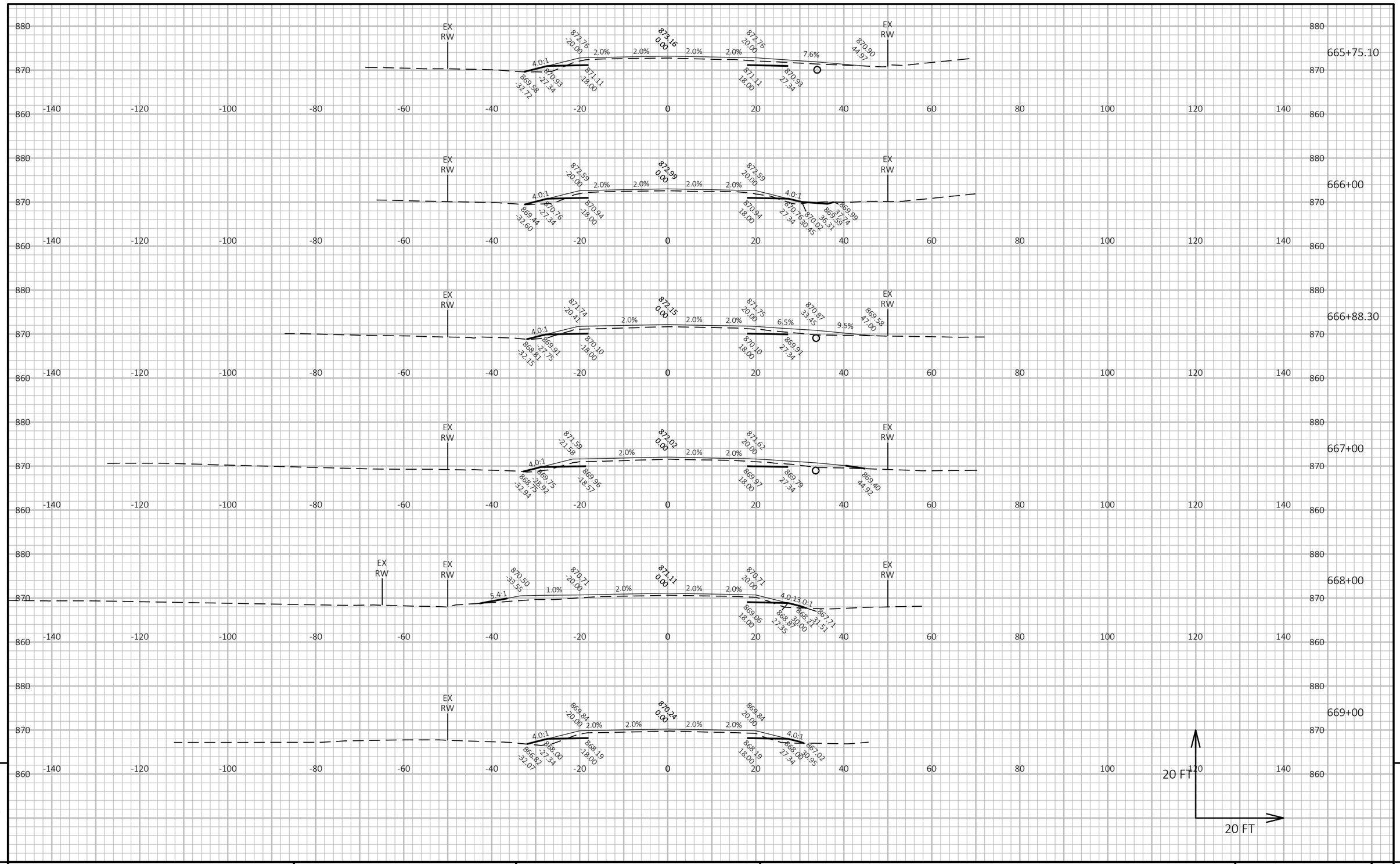
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 528	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 129

PLOT DATE : 7/19/2022 12:00 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

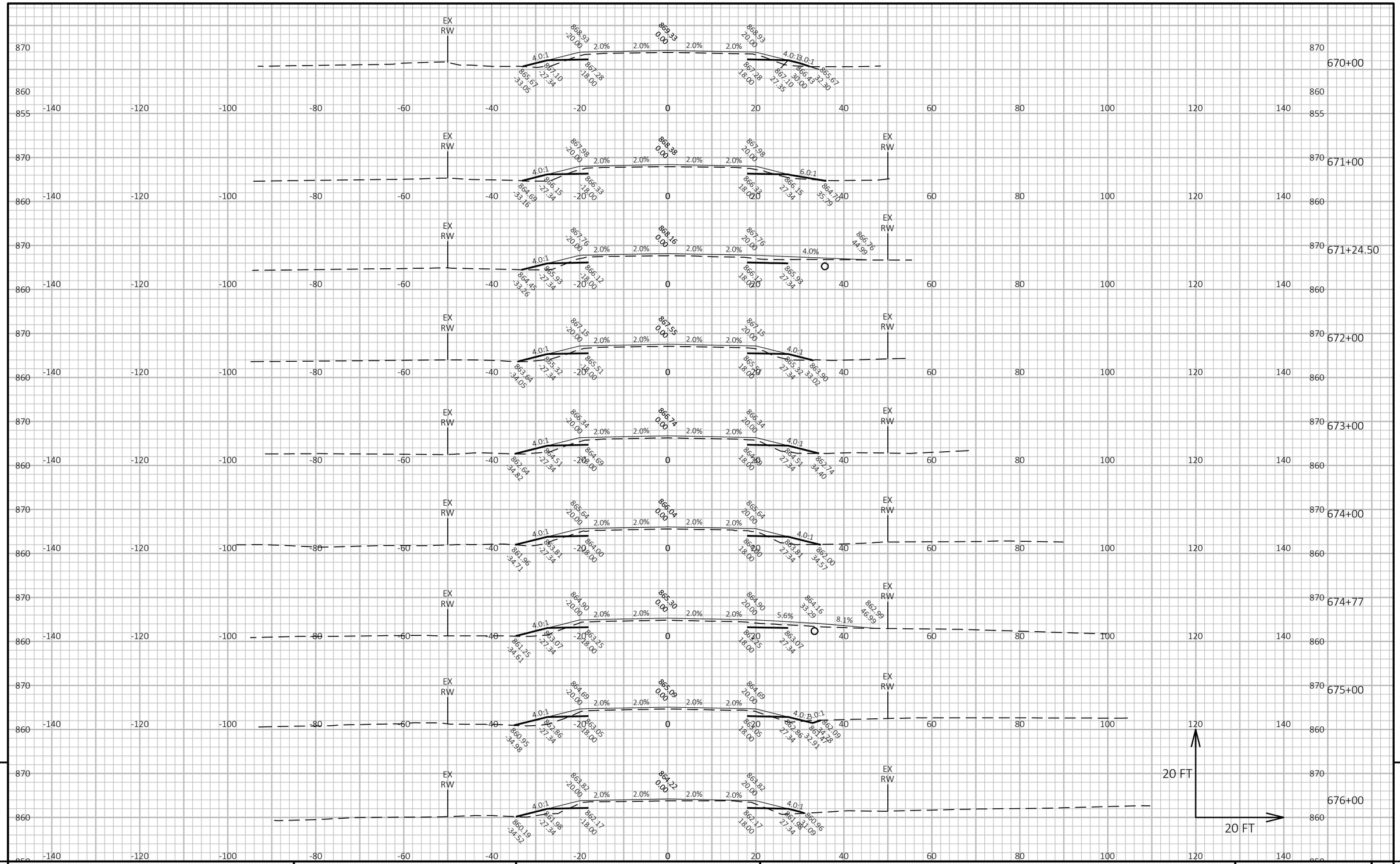
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 529	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 130

PLOT DATE : 7/19/2022 12:00 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

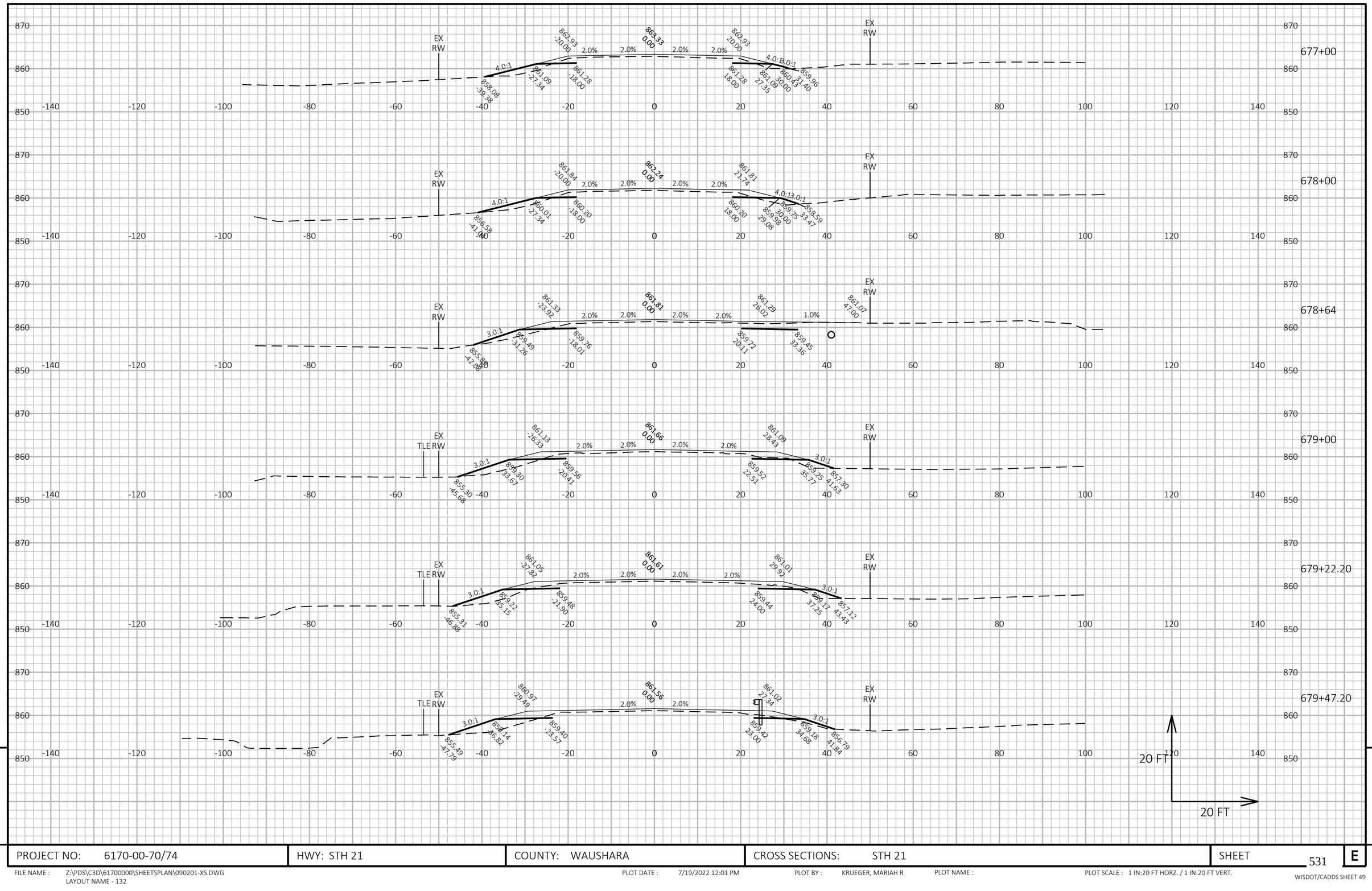
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 530	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 131

PLOT DATE : 7/19/2022 12:01 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 531	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 132

PLOT DATE : 7/19/2022 12:01 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 532	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 133

PLOT DATE : 7/19/2022 12:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

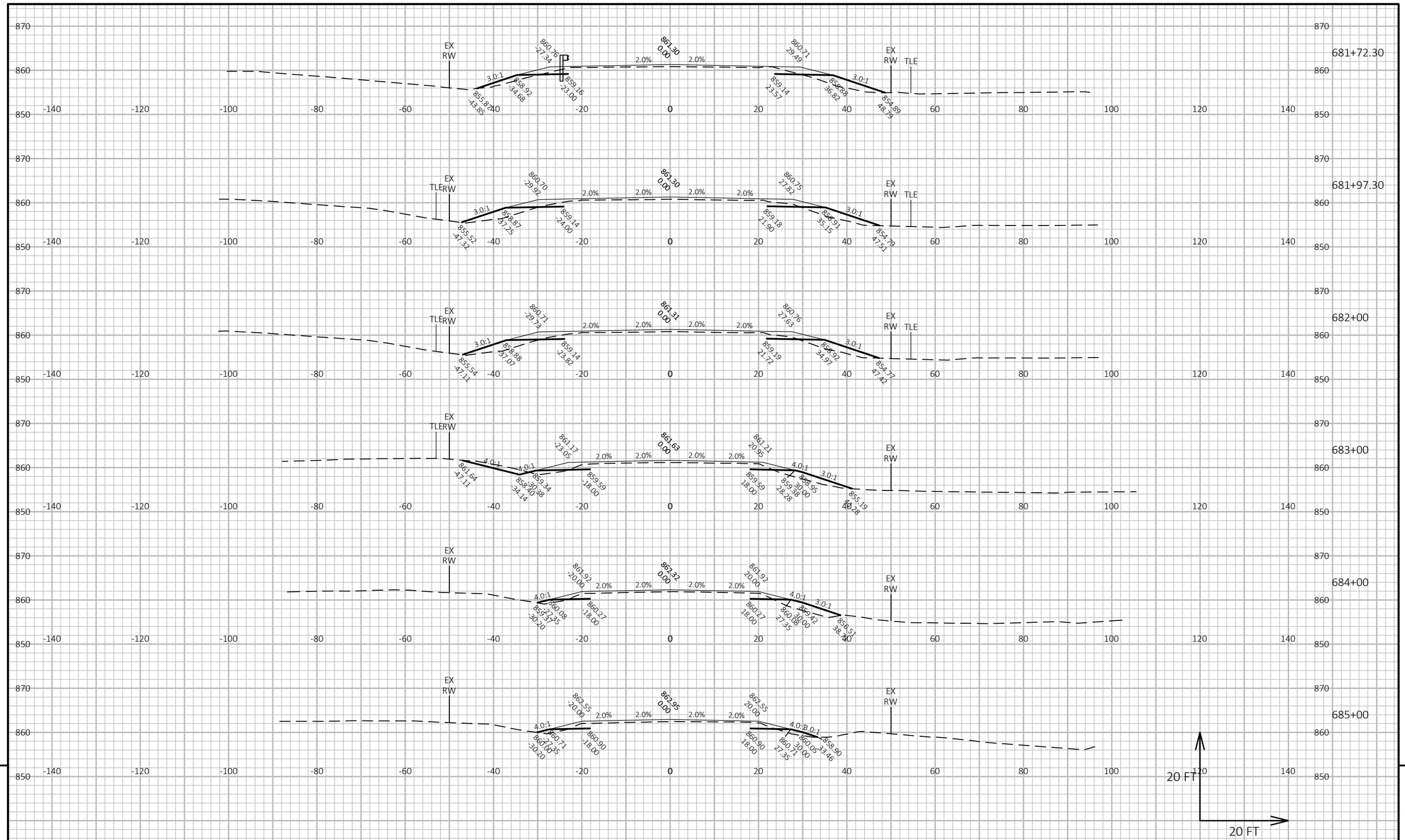


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 533	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 134

PLOT DATE : 7/19/2022 12:02 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

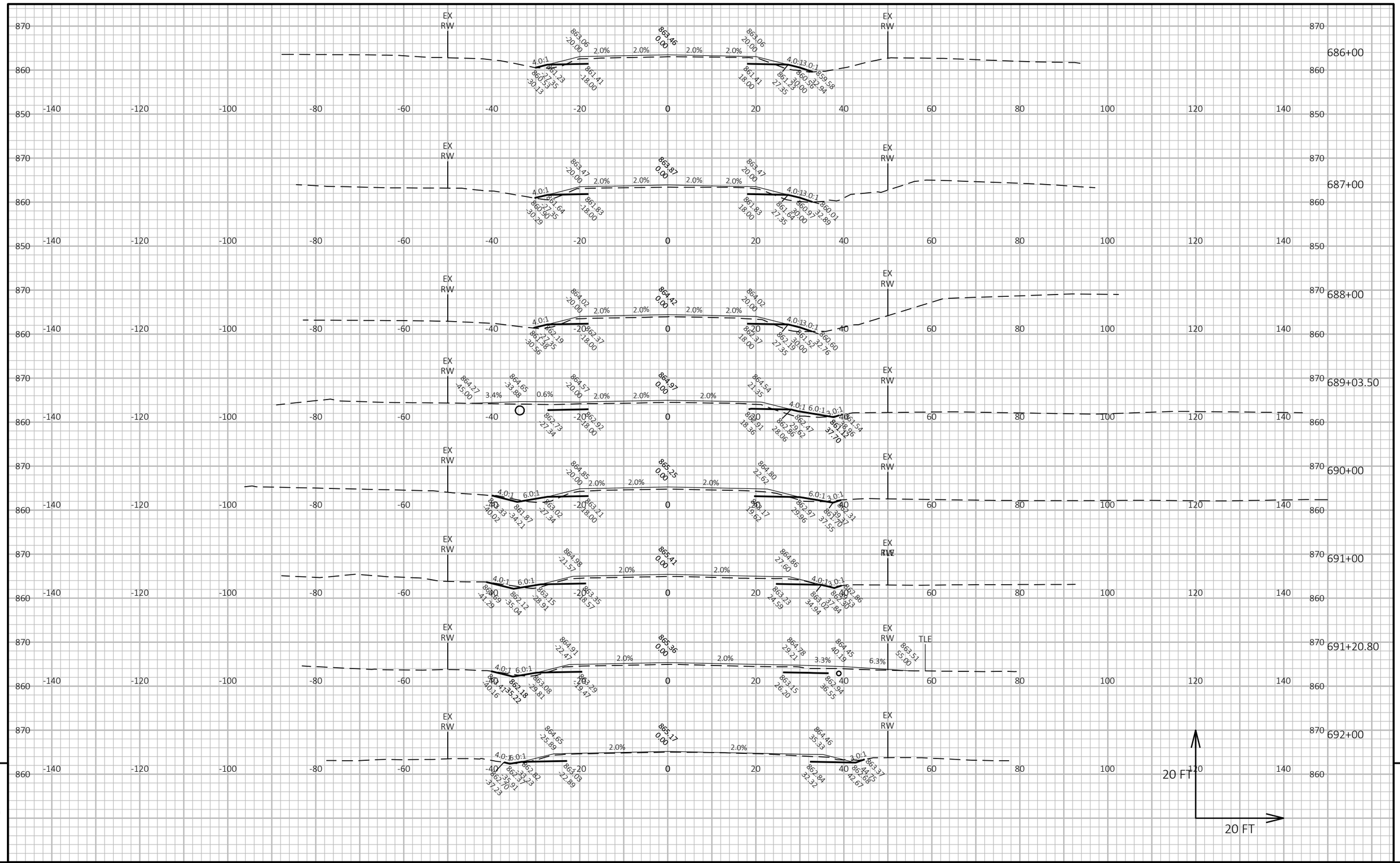


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 534	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 135

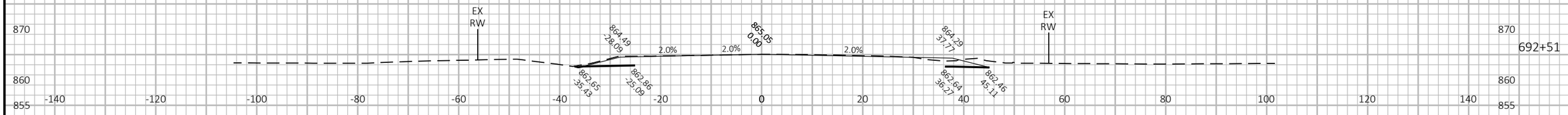
PLOT DATE : 7/19/2022 12:03 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

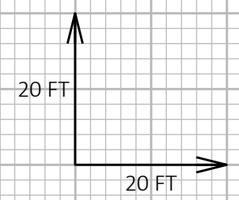
WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 535	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 136
PLOT DATE : 7/19/2022 12:03 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49





9

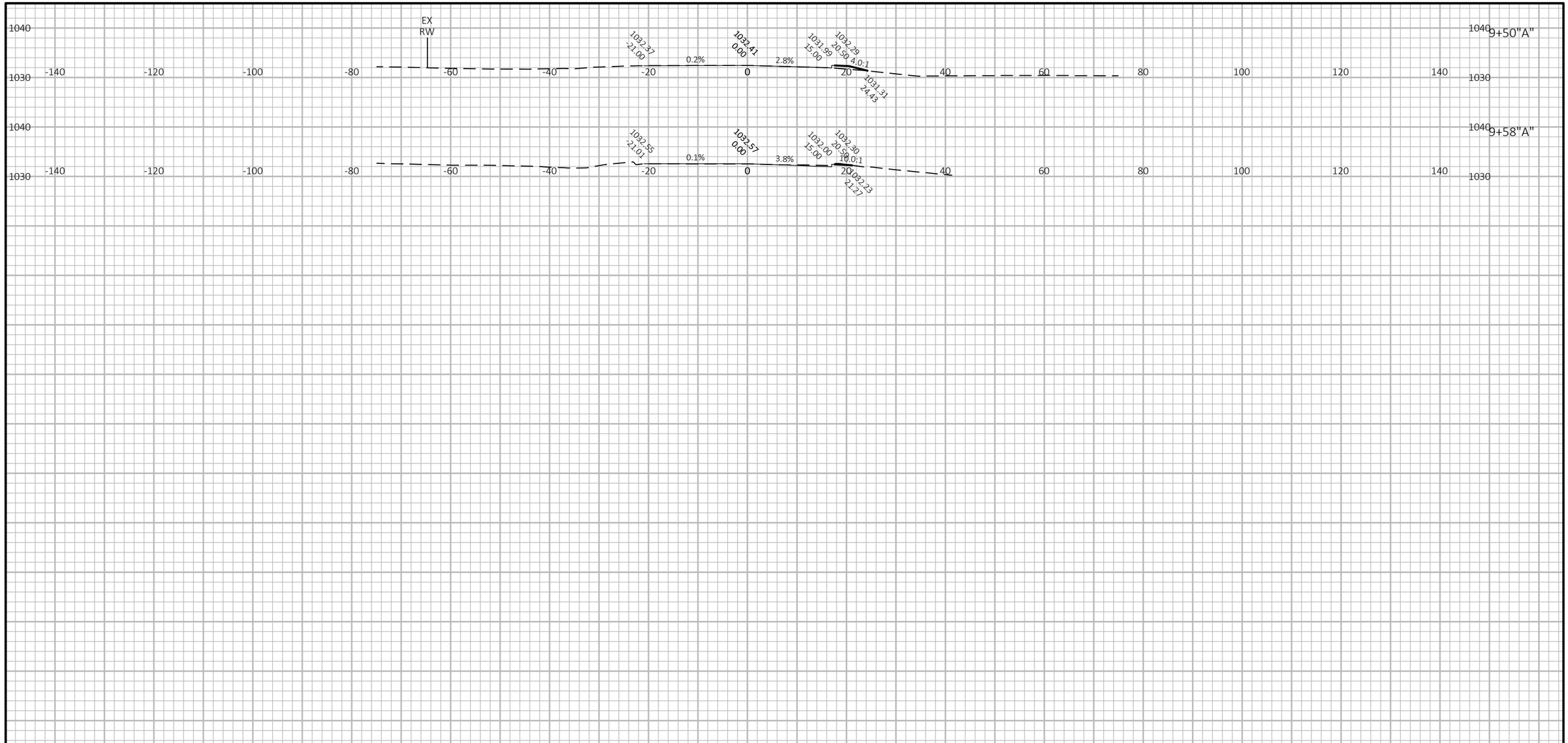
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: STH 21	SHEET 536	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 137

PLOT DATE : 7/19/2022 12:04 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



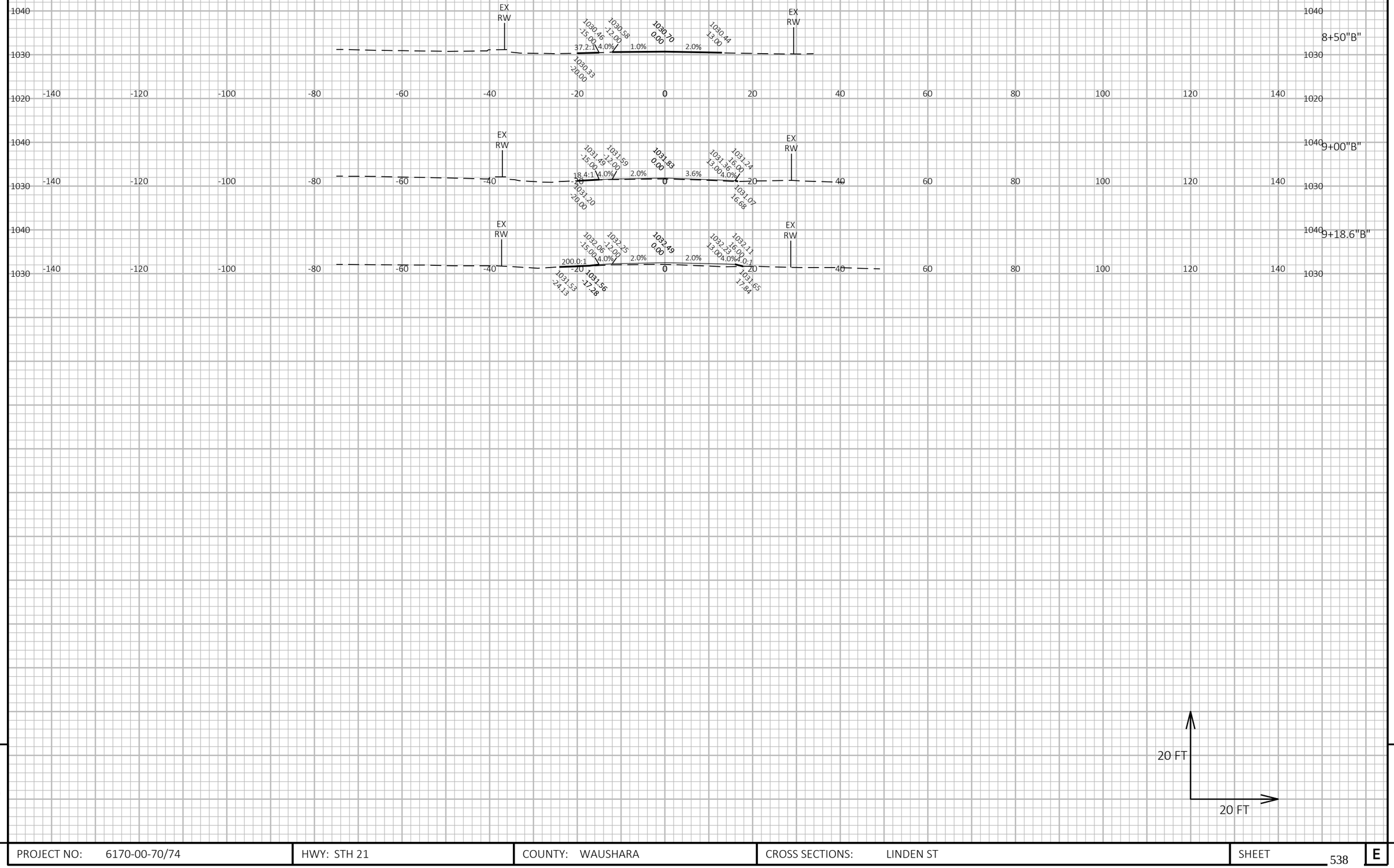
9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: MADISON ST	SHEET 537	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 1

PLOT DATE : 7/19/2022 12:35 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

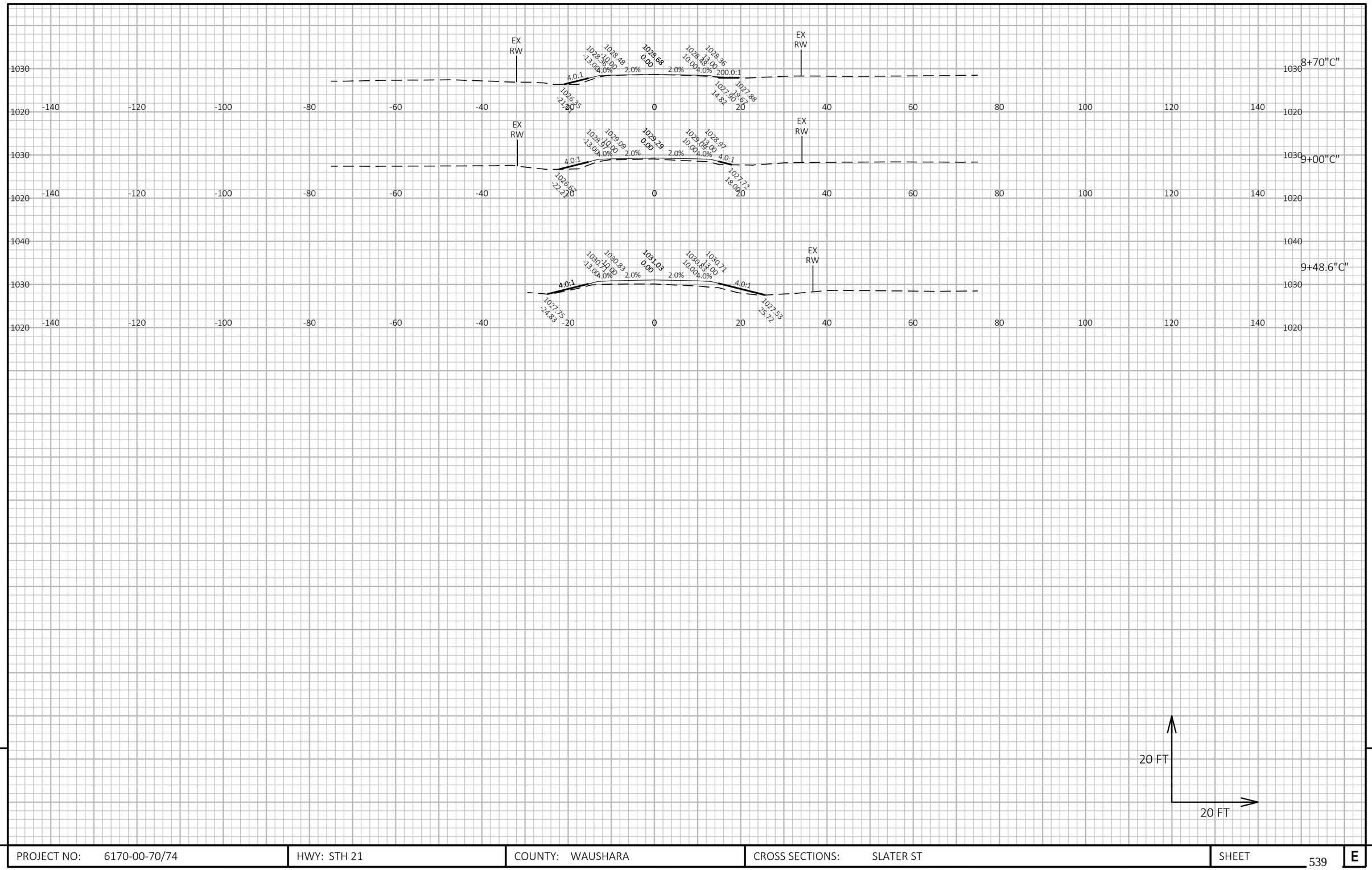
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: LINDEN ST	SHEET 538	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 2

PLOT DATE : 7/19/2022 12:35 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

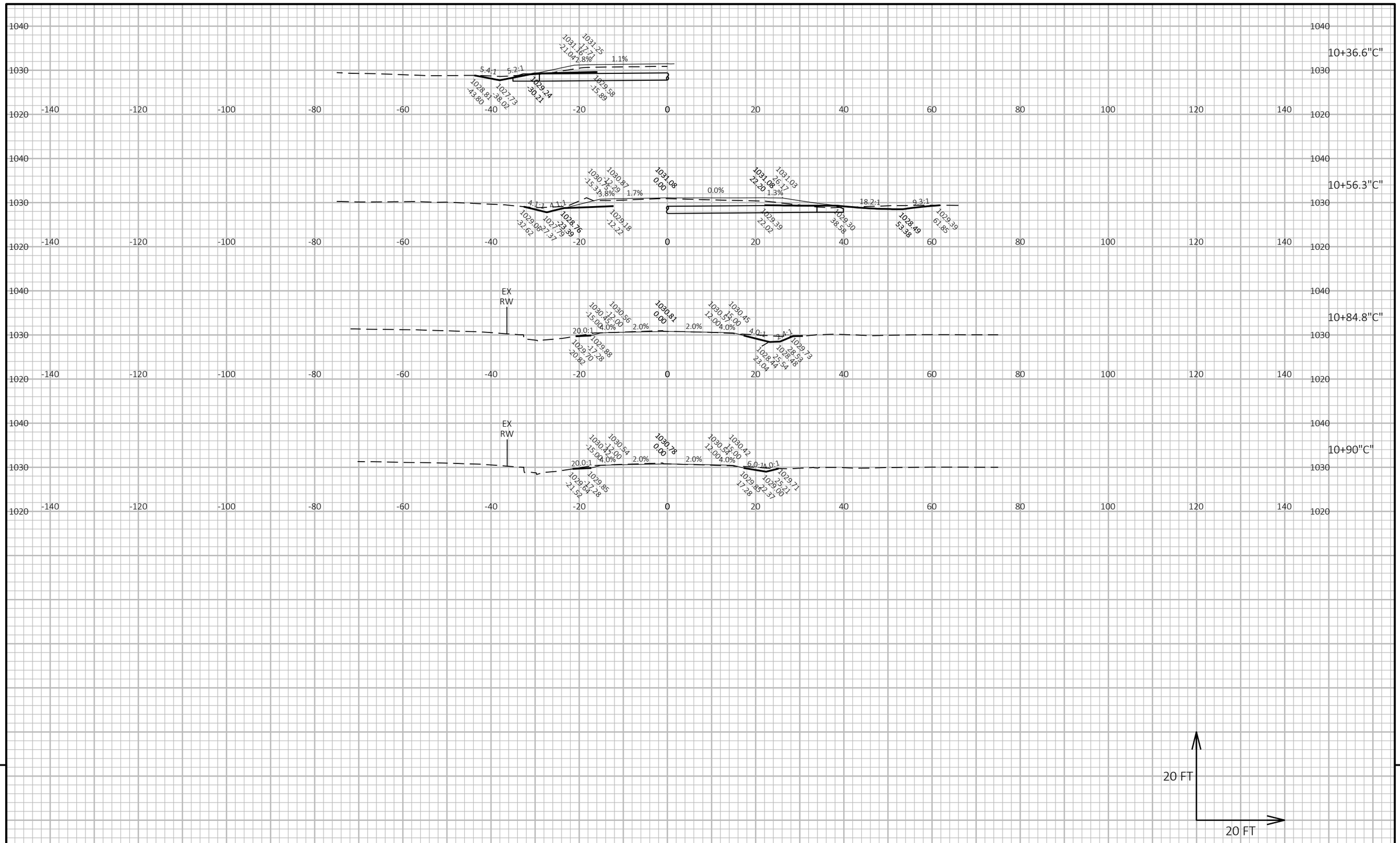


9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: SLATER ST	SHEET 539	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 3
PLOT DATE : 7/19/2022 12:35 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

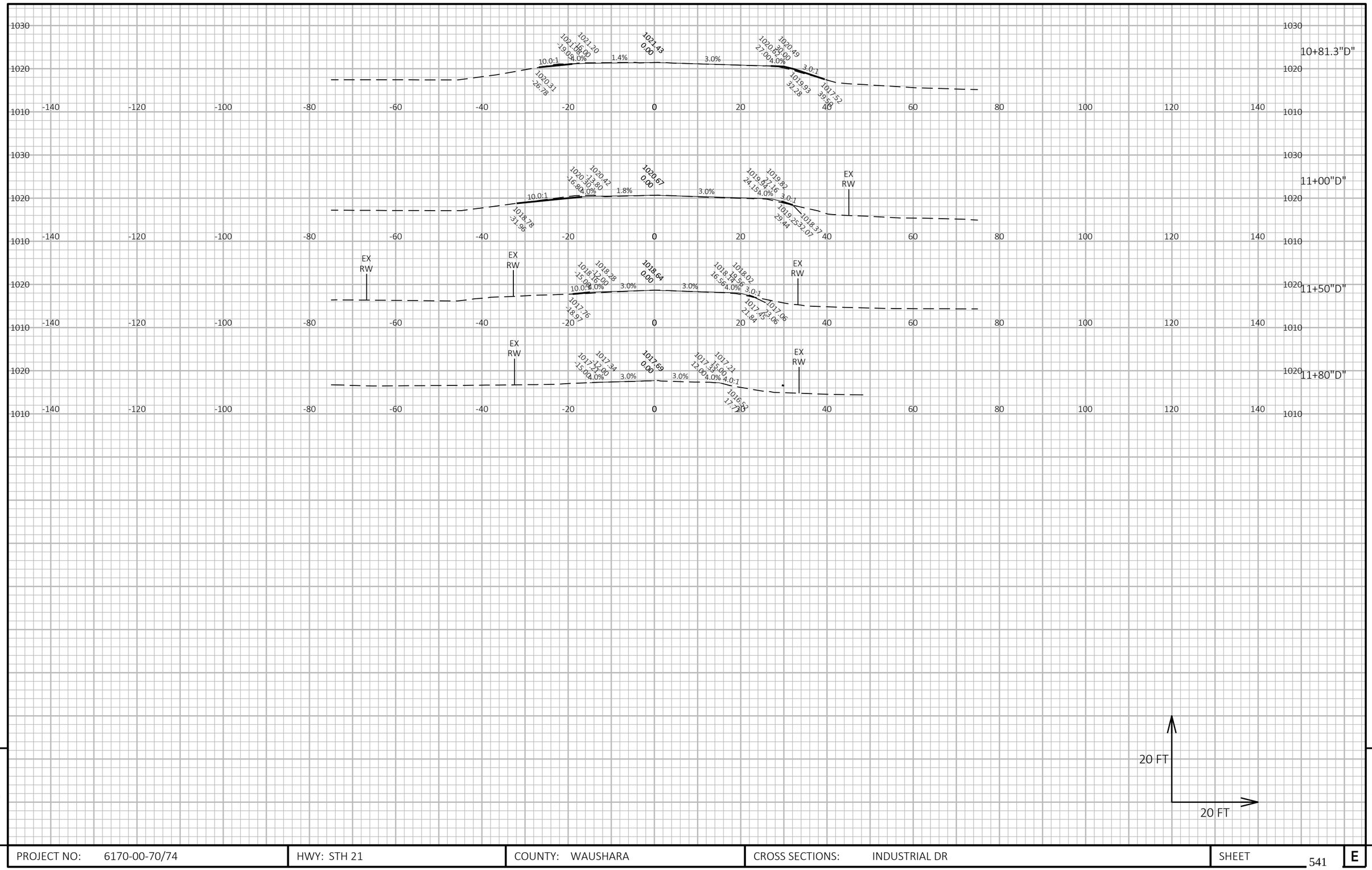
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: CTH FF	SHEET 540	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 4

PLOT DATE : 7/19/2022 12:36 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

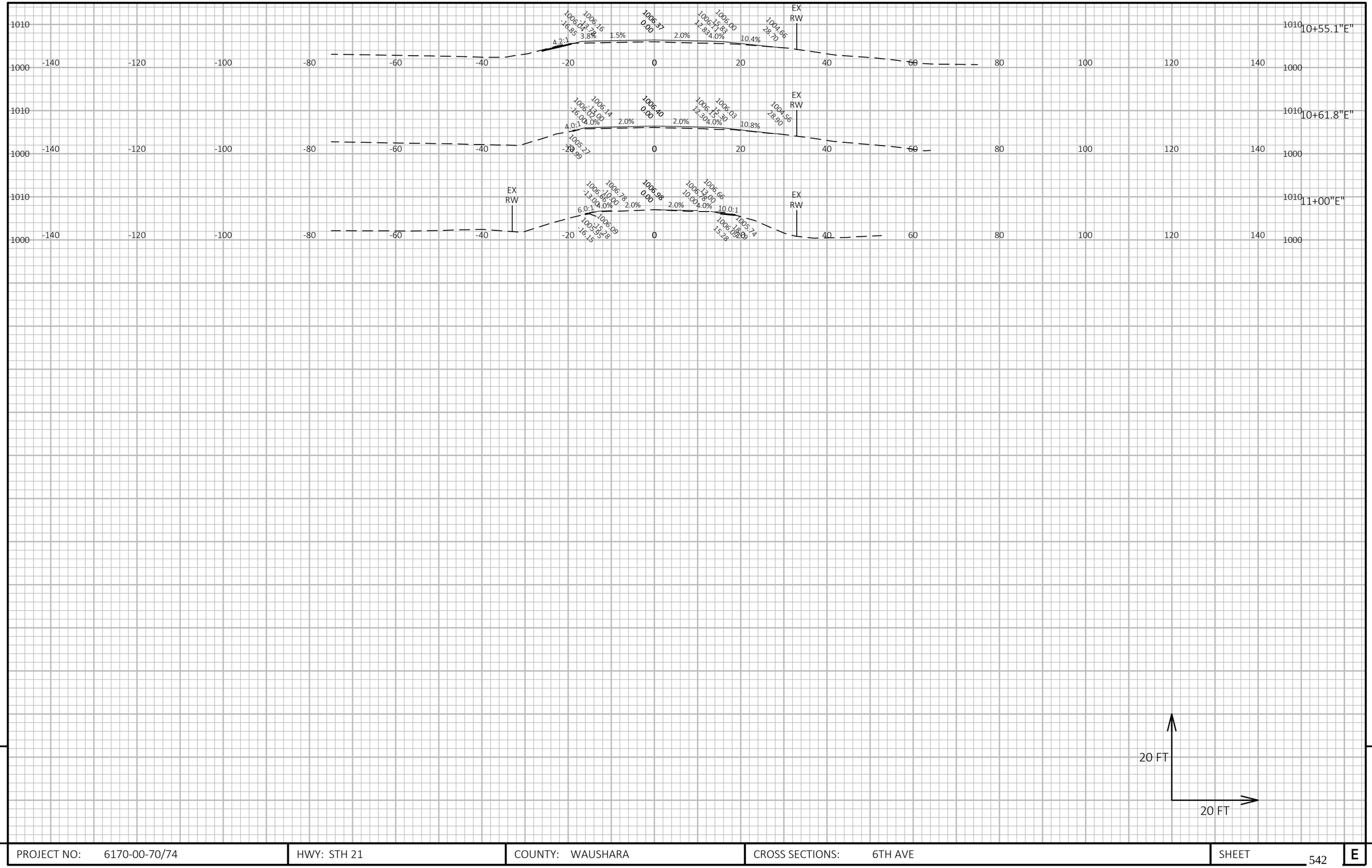
WISDOT/CADDS SHEET 49



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: INDUSTRIAL DR	SHEET 541	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 5

PLOT DATE : 7/19/2022 12:36 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



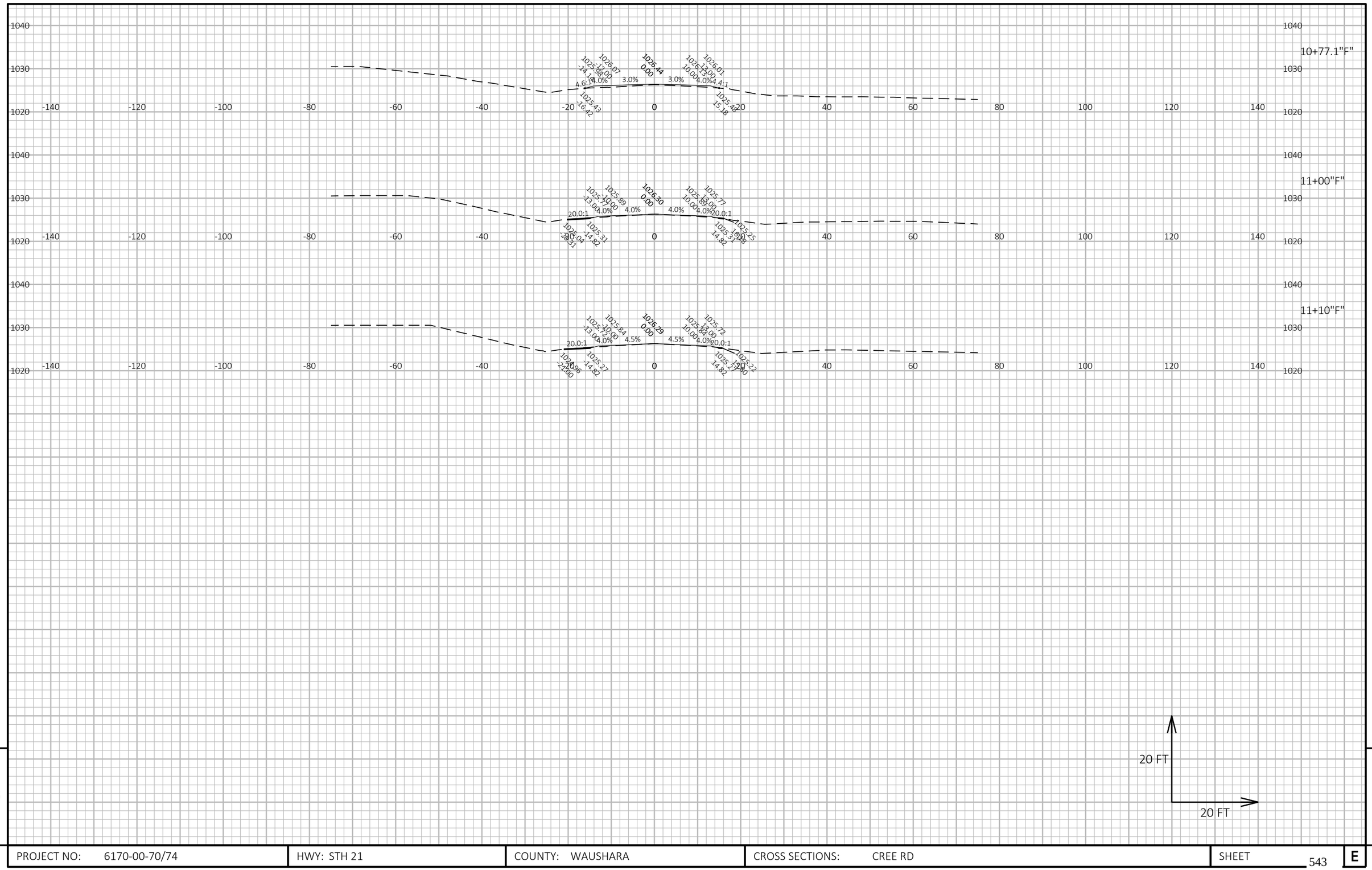
9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: 6TH AVE	SHEET 542	E

9

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 6

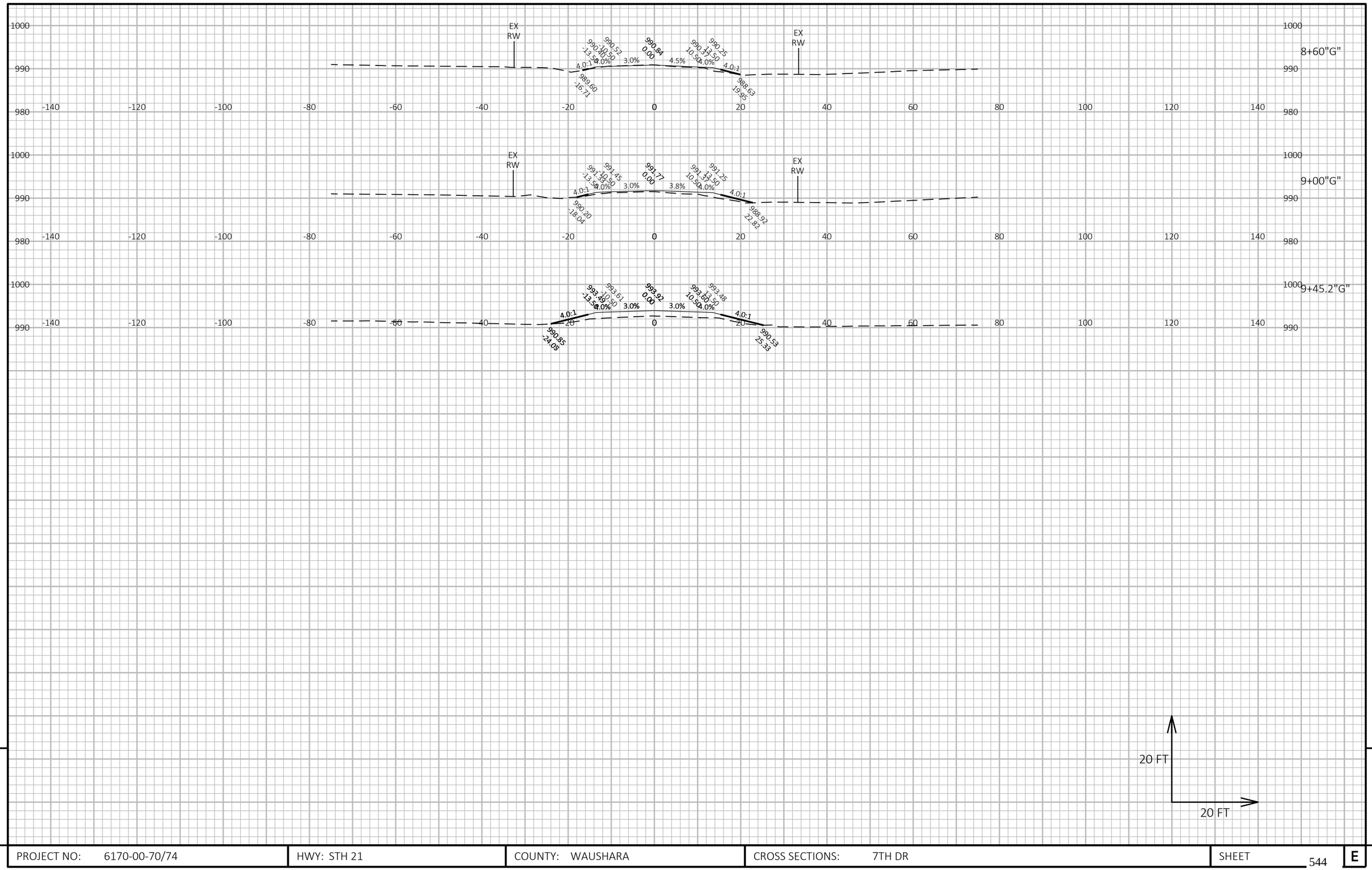
PLOT DATE : 7/19/2022 12:37 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.


10+77.1"F"
11+00"F"
11+10"F"
1040
1030
1020
-140
-120
-100
-80
-60
-40
-20
0
20
40
60
80
100
120
140
1026.44
0.00
1026.07
-14.14
1025.93
-16.42
1026.01
15.18
1025.42
4.6:1
4.4:1
3.0%
4.0%
1026.30
1025.89
1025.77
1025.31
1025.25
20.0:1
4.0%
1026.29
1025.84
1025.72
1025.27
1025.22
4.5%

20 FT

20 FT

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: CREE RD	SHEET 543	E



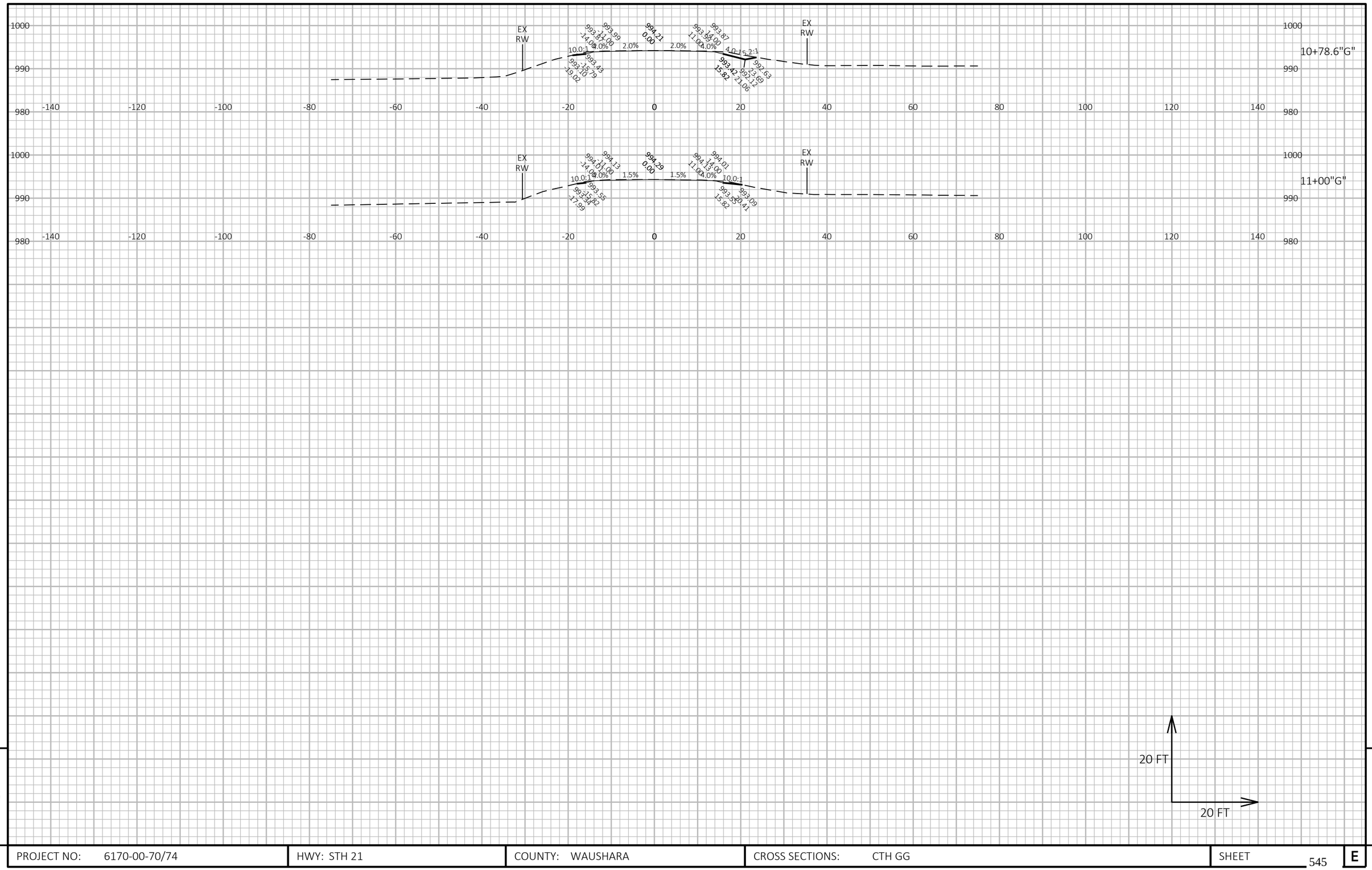
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9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: 7TH DR	SHEET 544	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 8

PLOT DATE : 7/19/2022 12:37 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



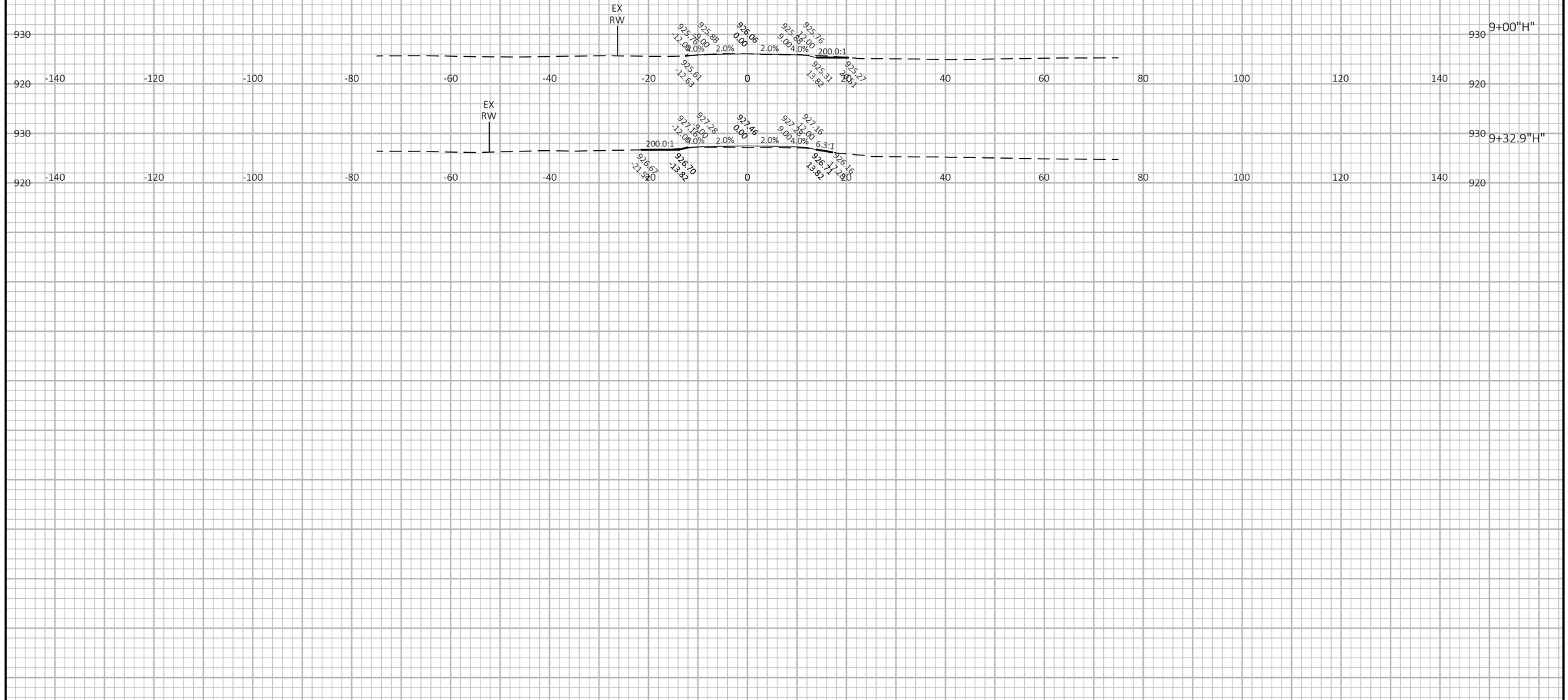
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9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: CTH GG	SHEET 545	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 9

PLOT DATE : 7/19/2022 12:38 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

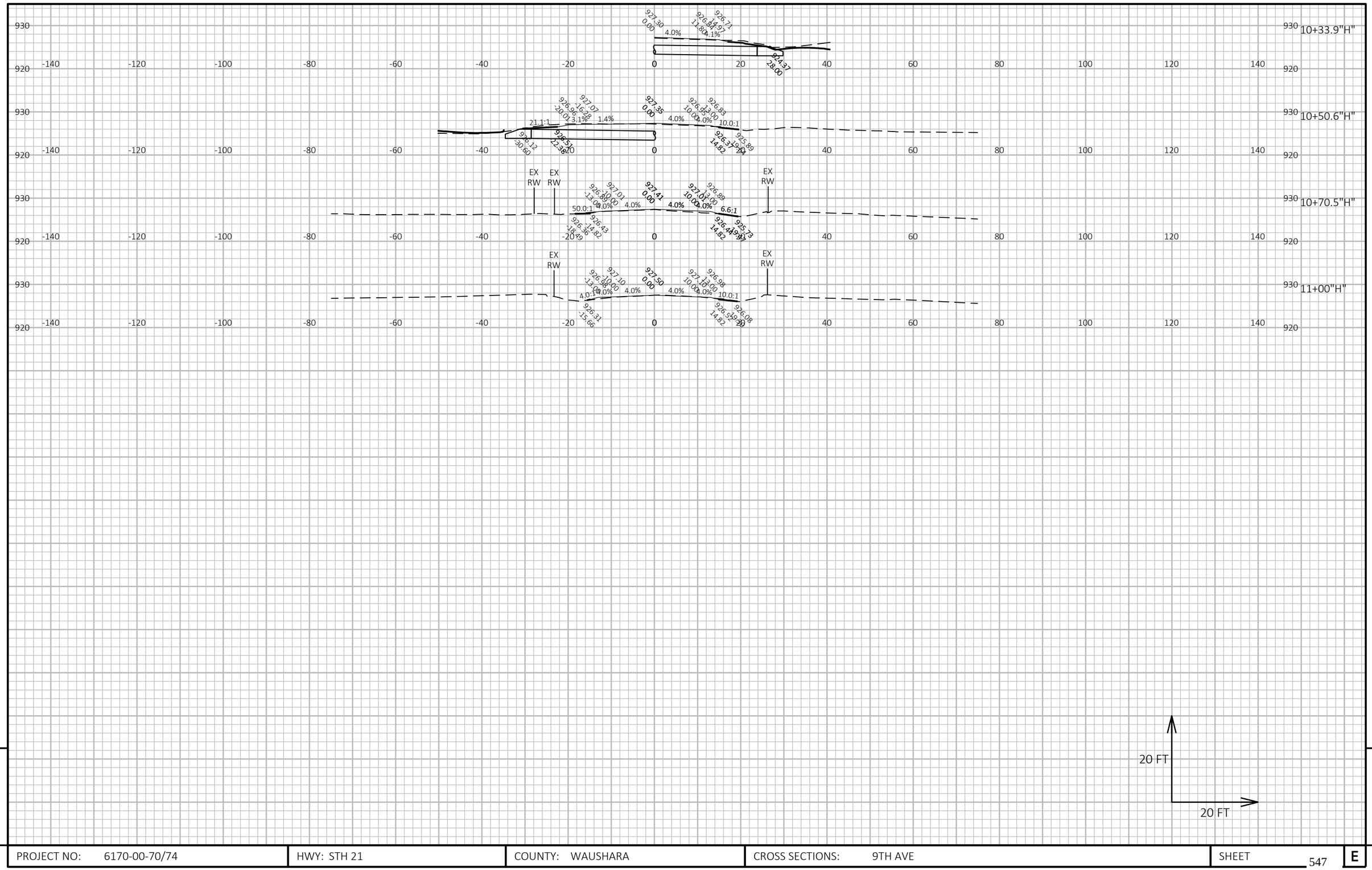


9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: 9TH AVE	SHEET 546	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 10
PLOT DATE : 7/19/2022 12:38 PM
PLOT BY : KRUEGER, MARIAH R
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



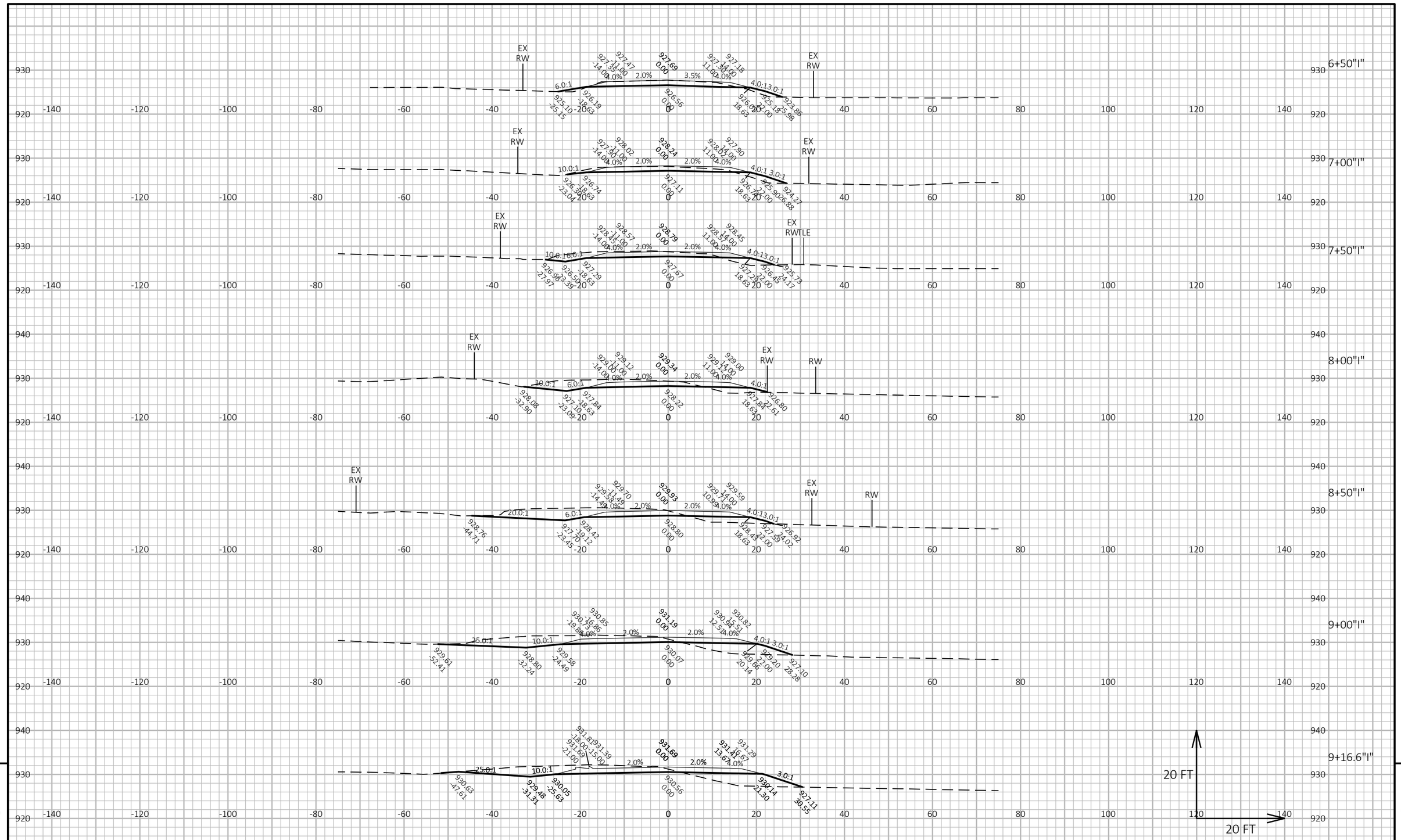
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9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: 9TH AVE	SHEET 547	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/19/2022 12:39 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

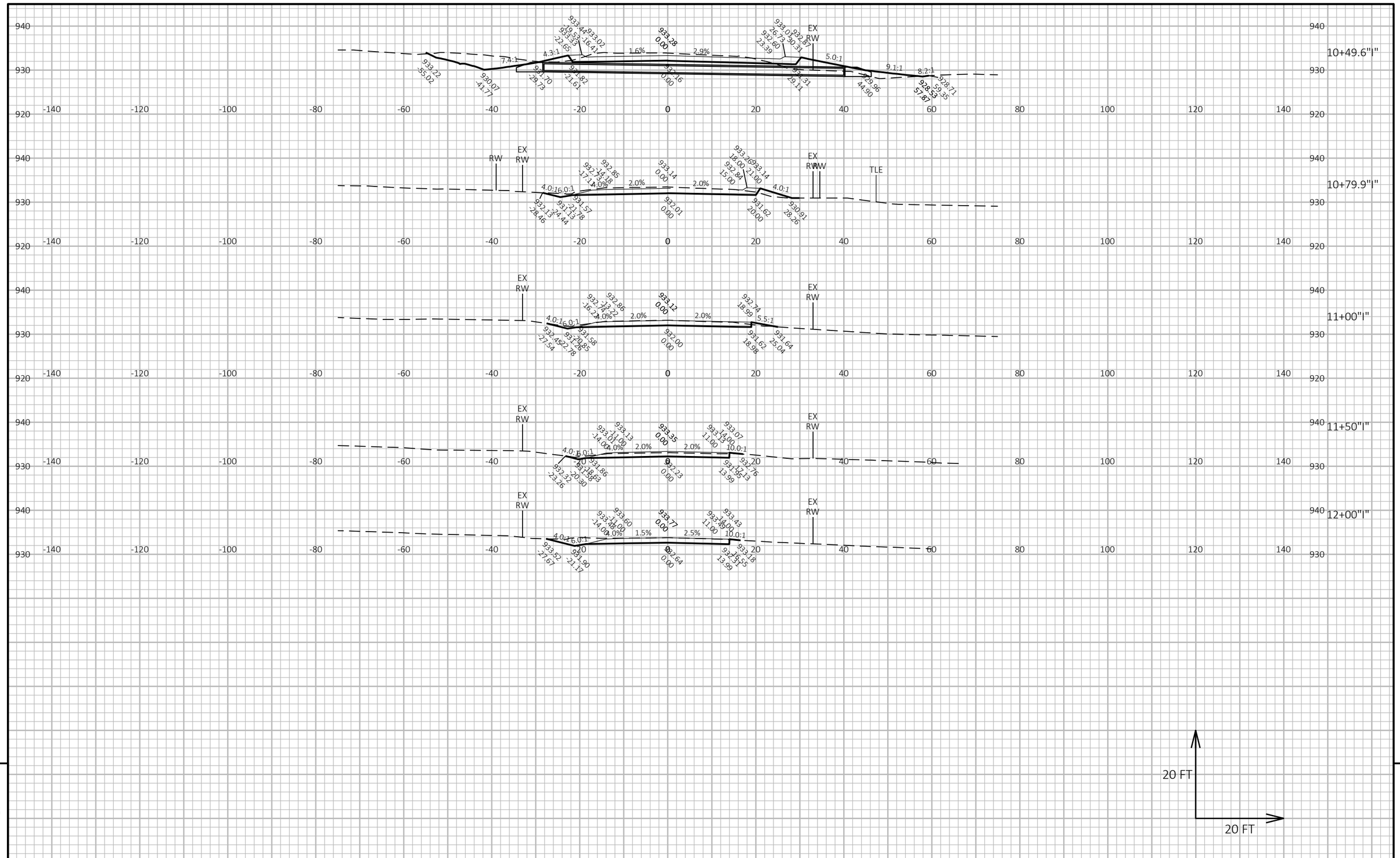


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: CTH B	SHEET 548 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/19/2022 12:39 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



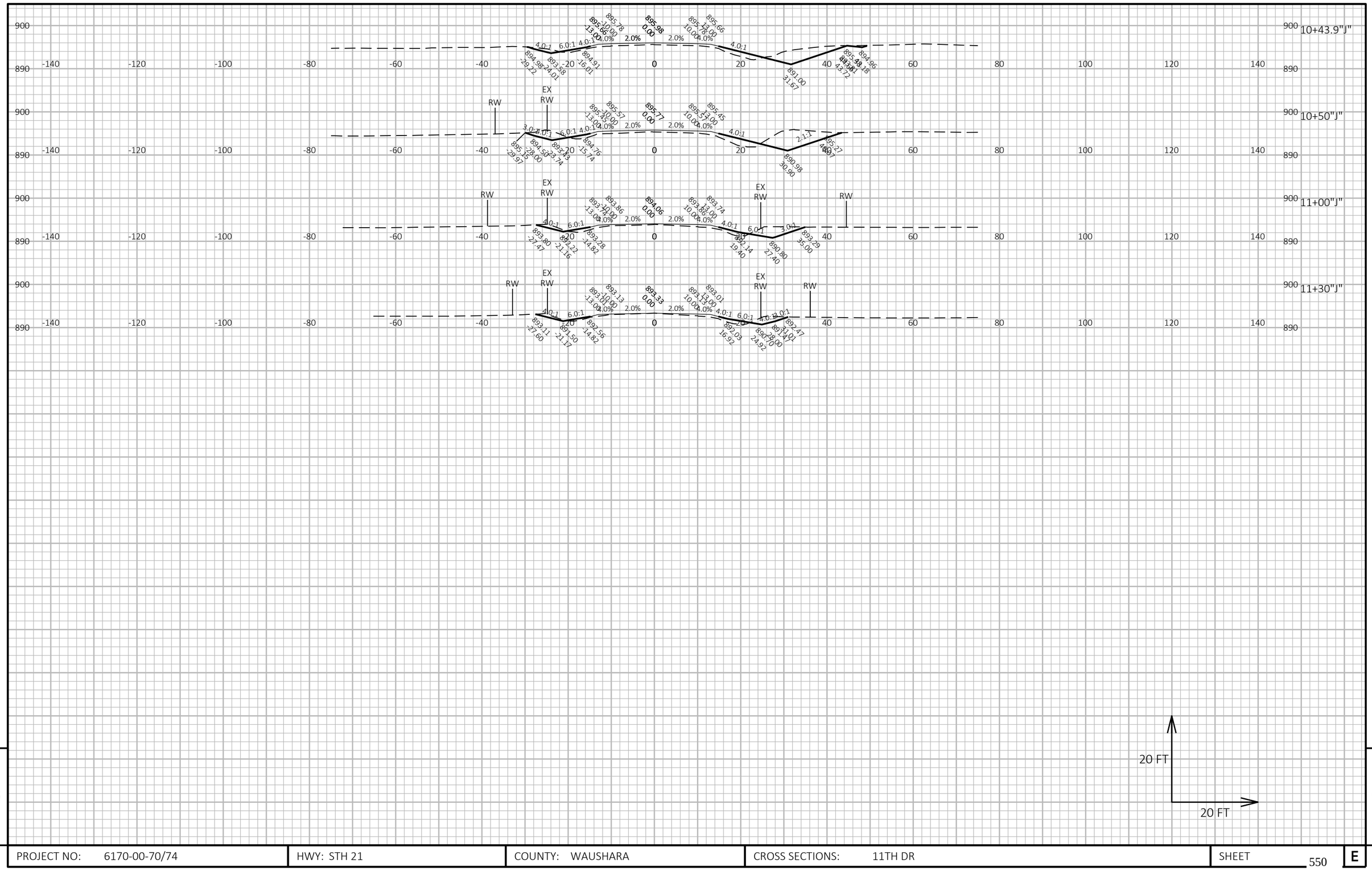
9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: CTH B	SHEET 549	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 13

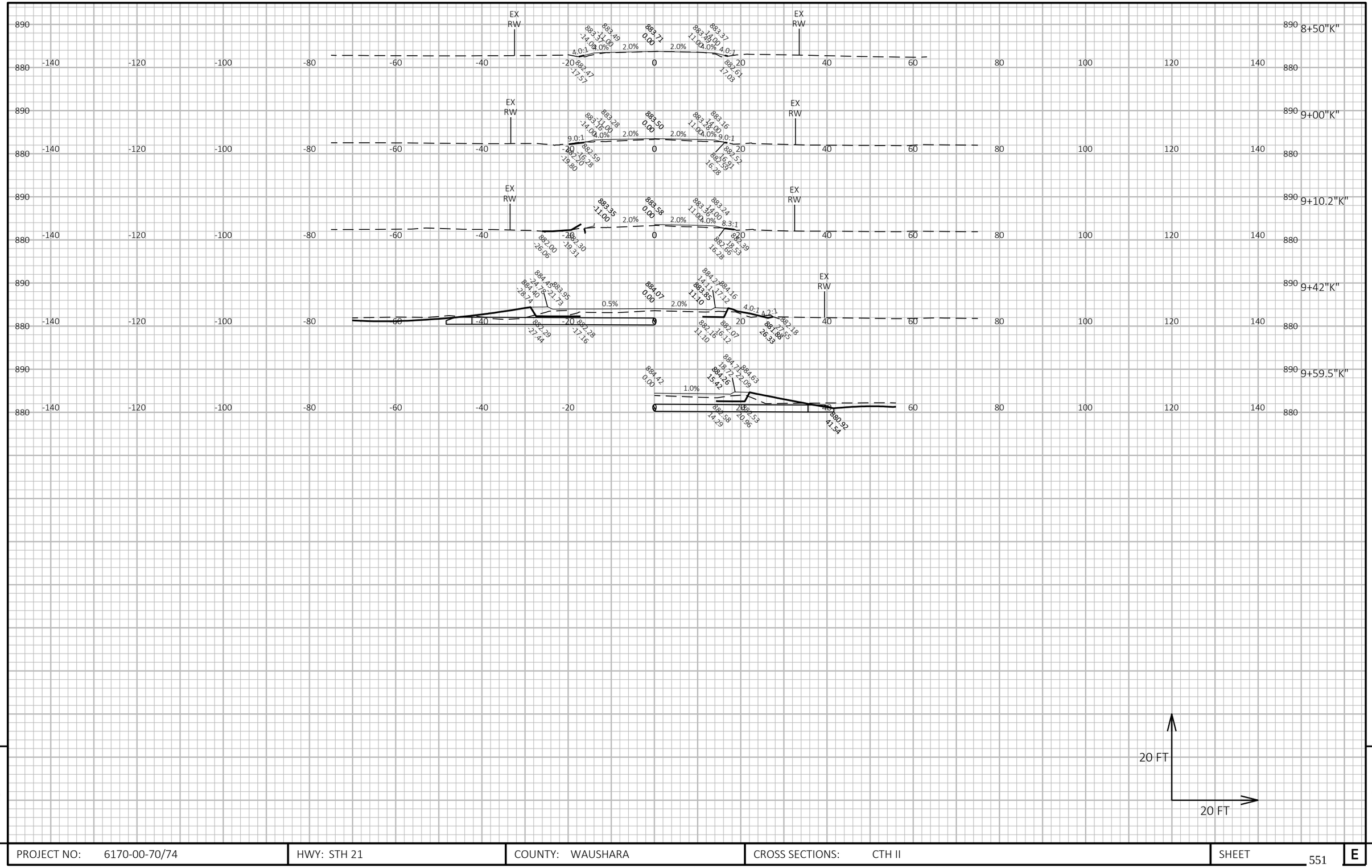
PLOT DATE : 7/19/2022 12:39 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: 11TH DR	SHEET 550 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/19/2022 12:40 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



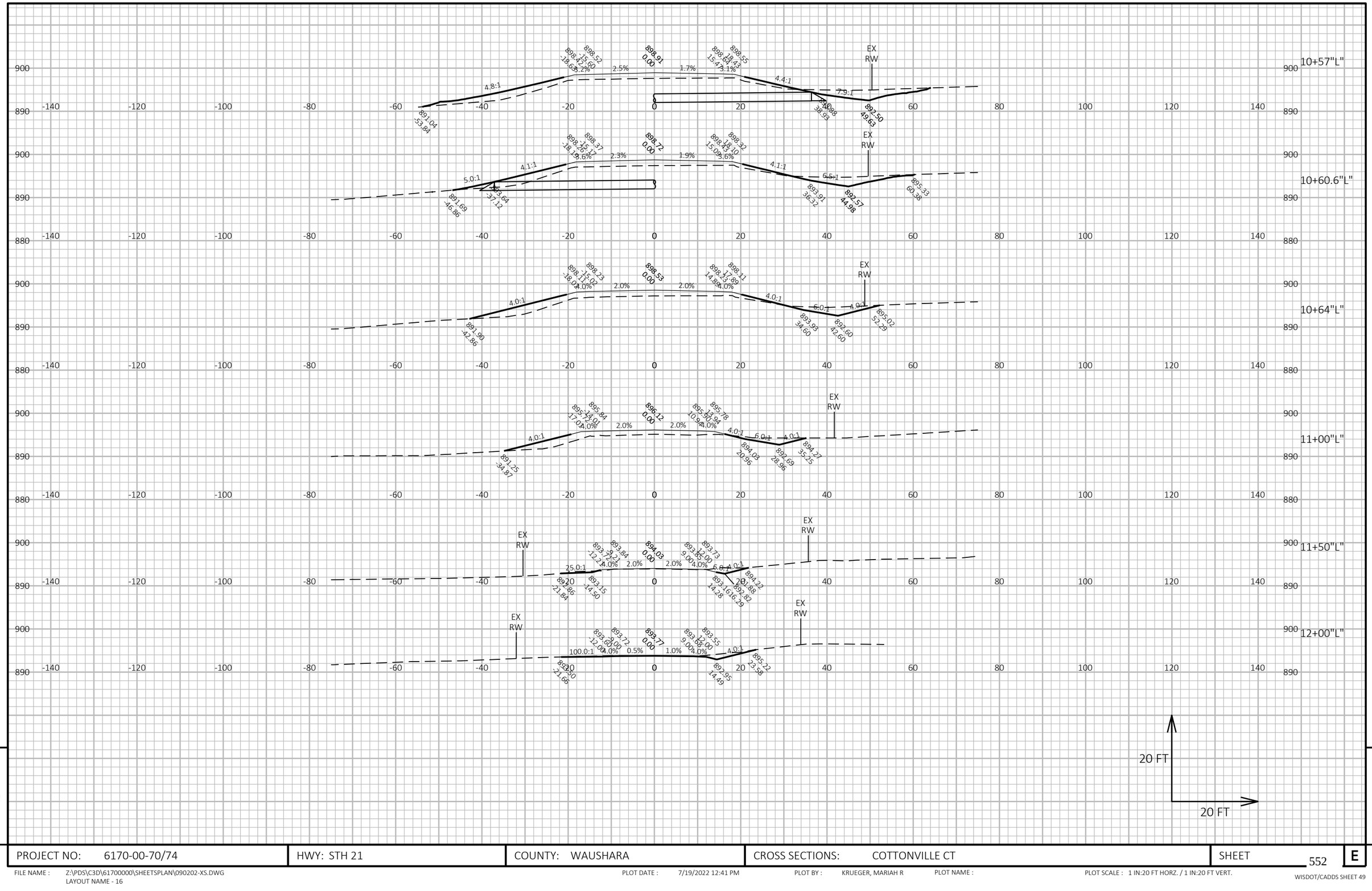
9

9

PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: CTH II	SHEET 551	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/19/2022 12:40 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

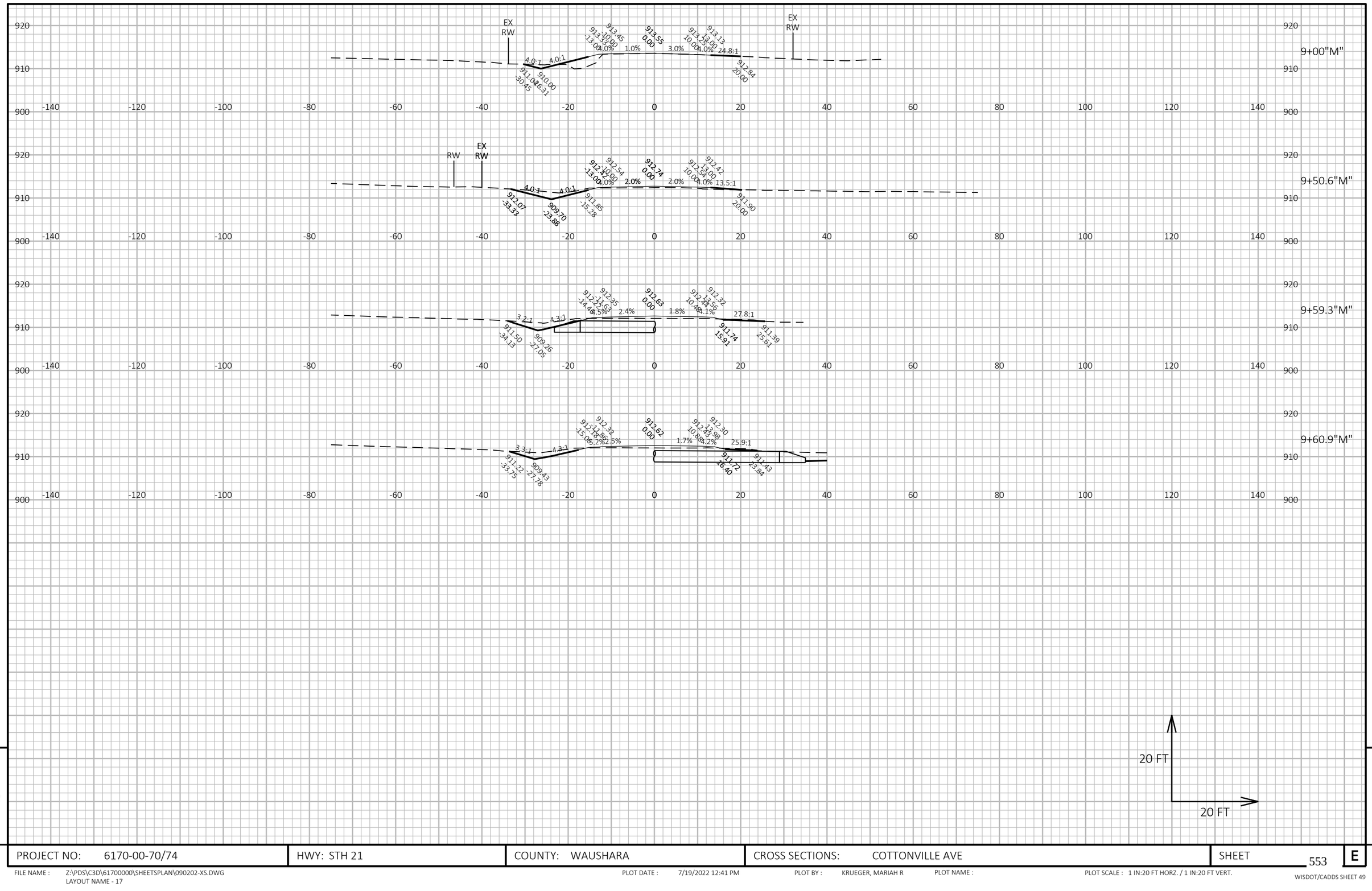


PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: COTTONVILLE CT	SHEET 552 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/19/2022 12:41 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

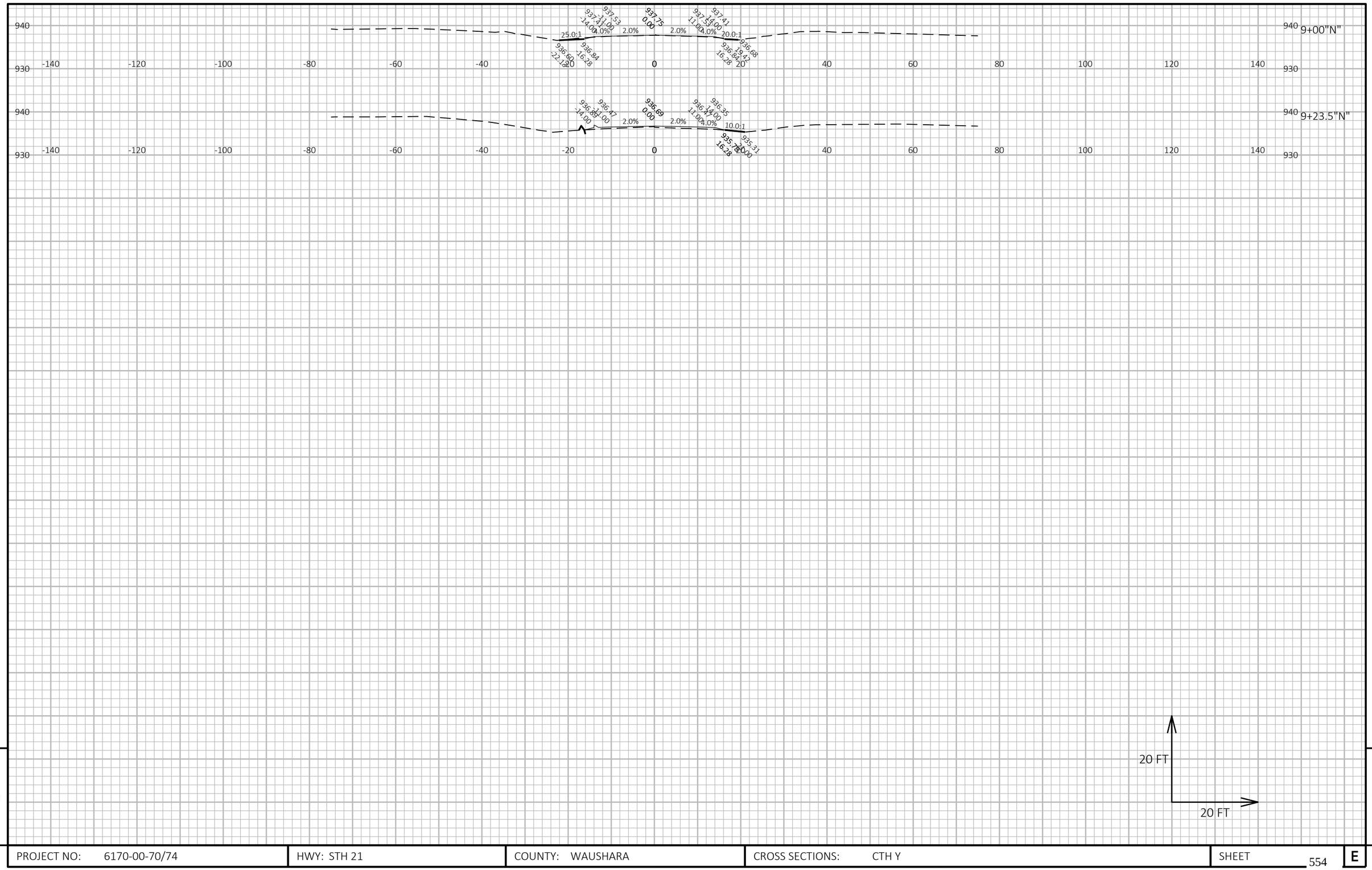
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: COTTONVILLE AVE	SHEET 553	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/19/2022 12:41 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



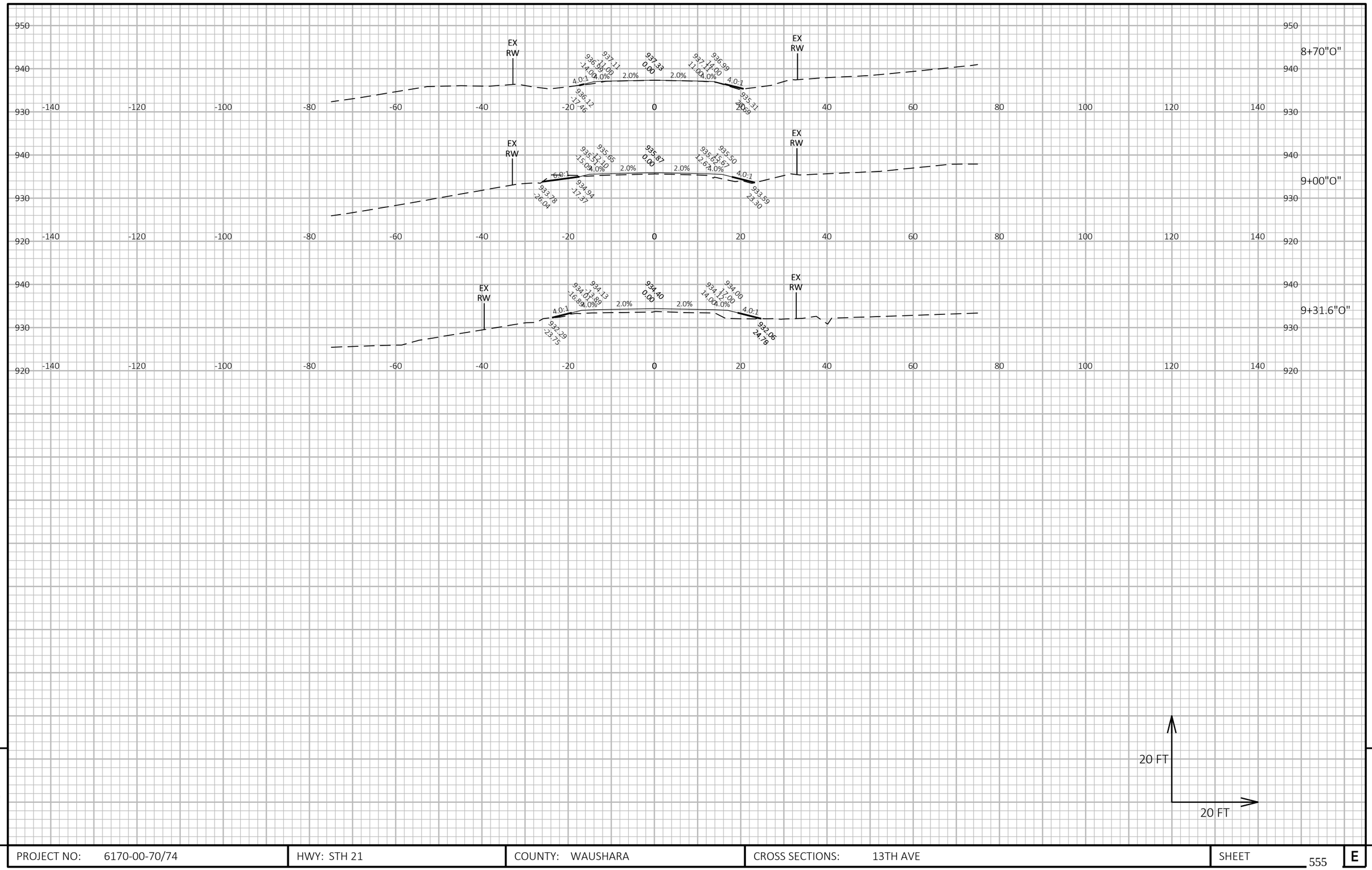
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: CTH Y	SHEET 554	E

9

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 18

PLOT DATE : 7/19/2022 12:41 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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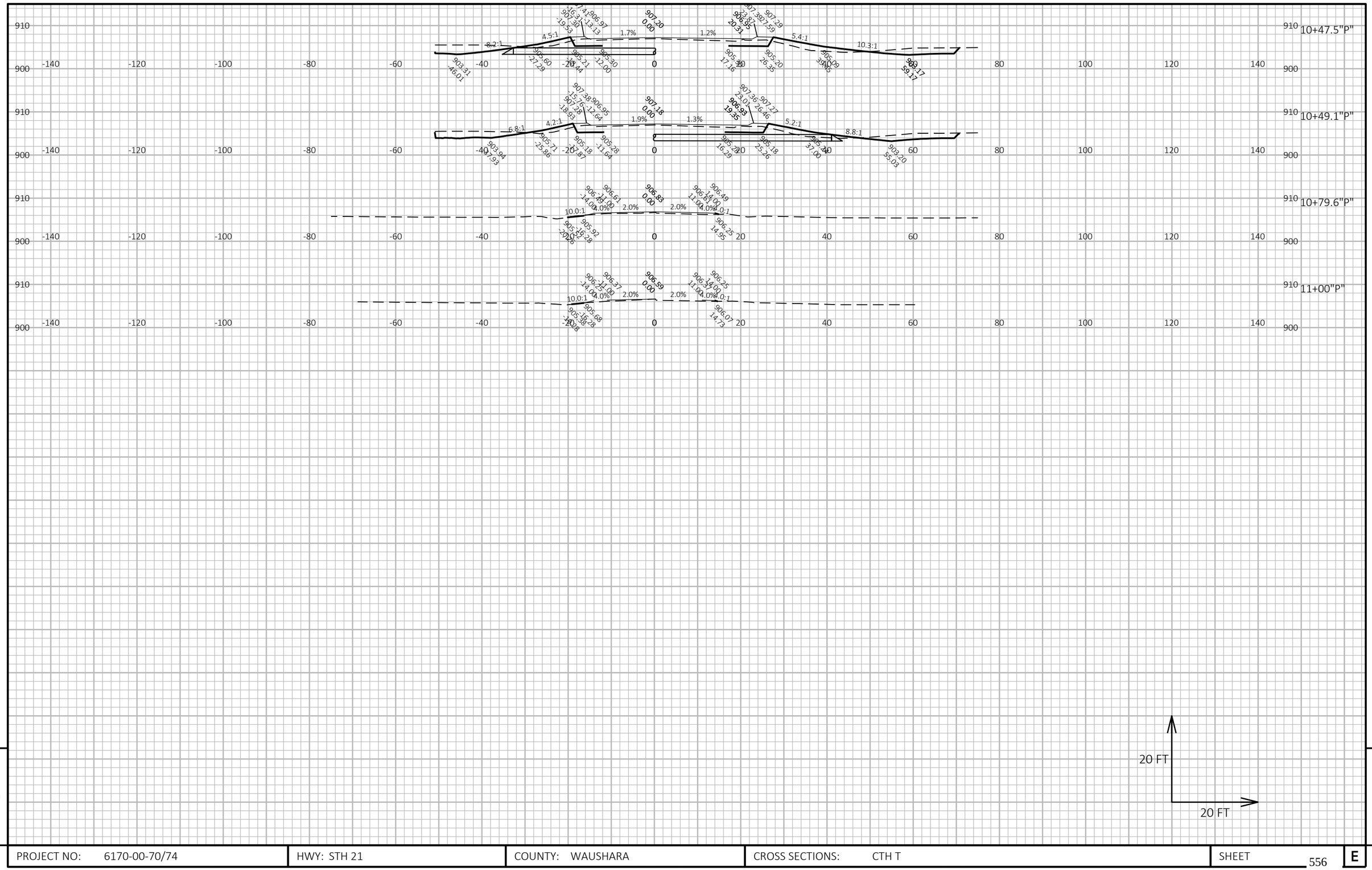
PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: 13TH AVE	SHEET 555	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 19

PLOT DATE : 7/19/2022 12:42 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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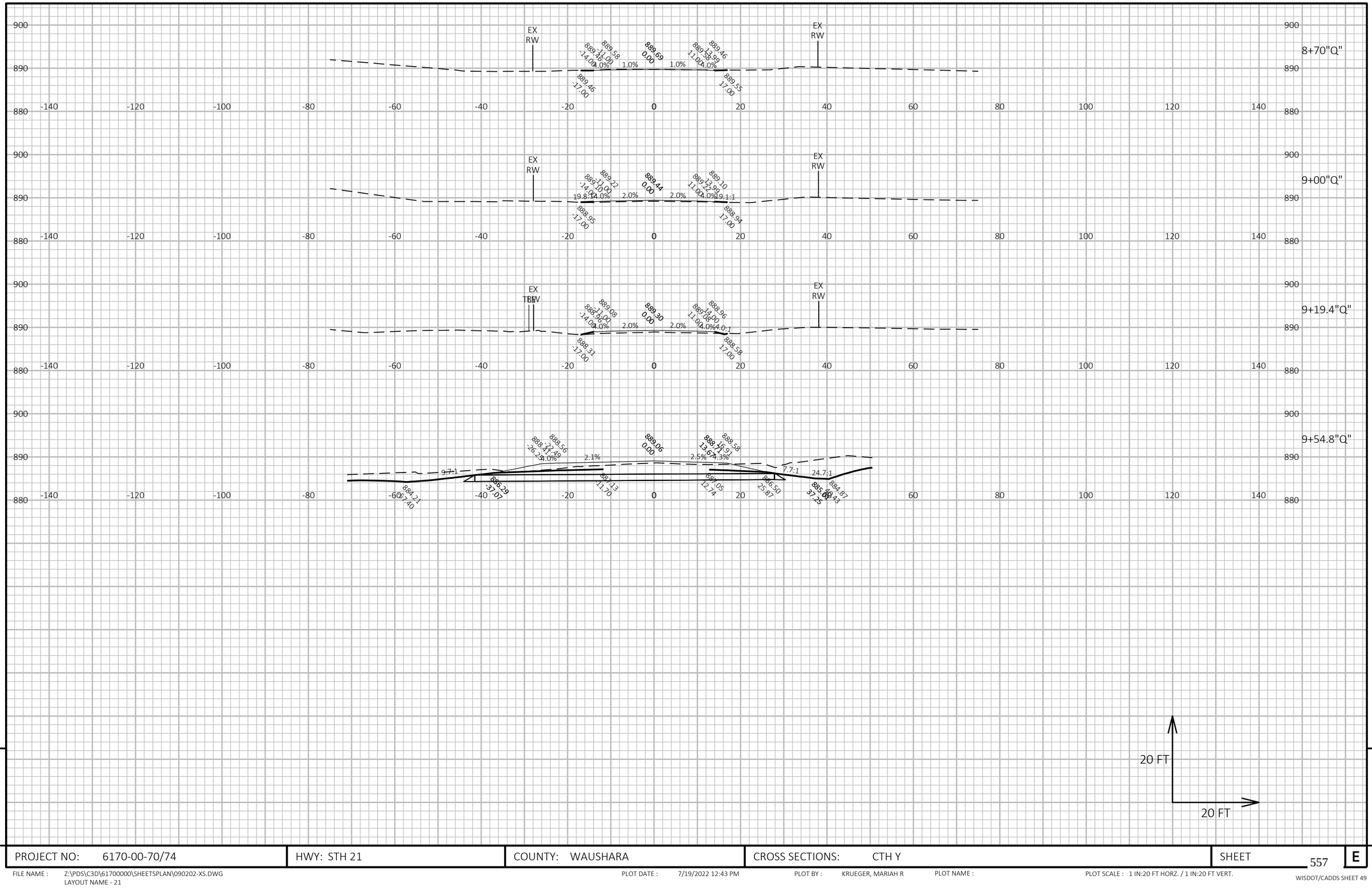


9	PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: CTH T	SHEET 556 E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 20

PLOT DATE : 7/19/2022 12:42 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



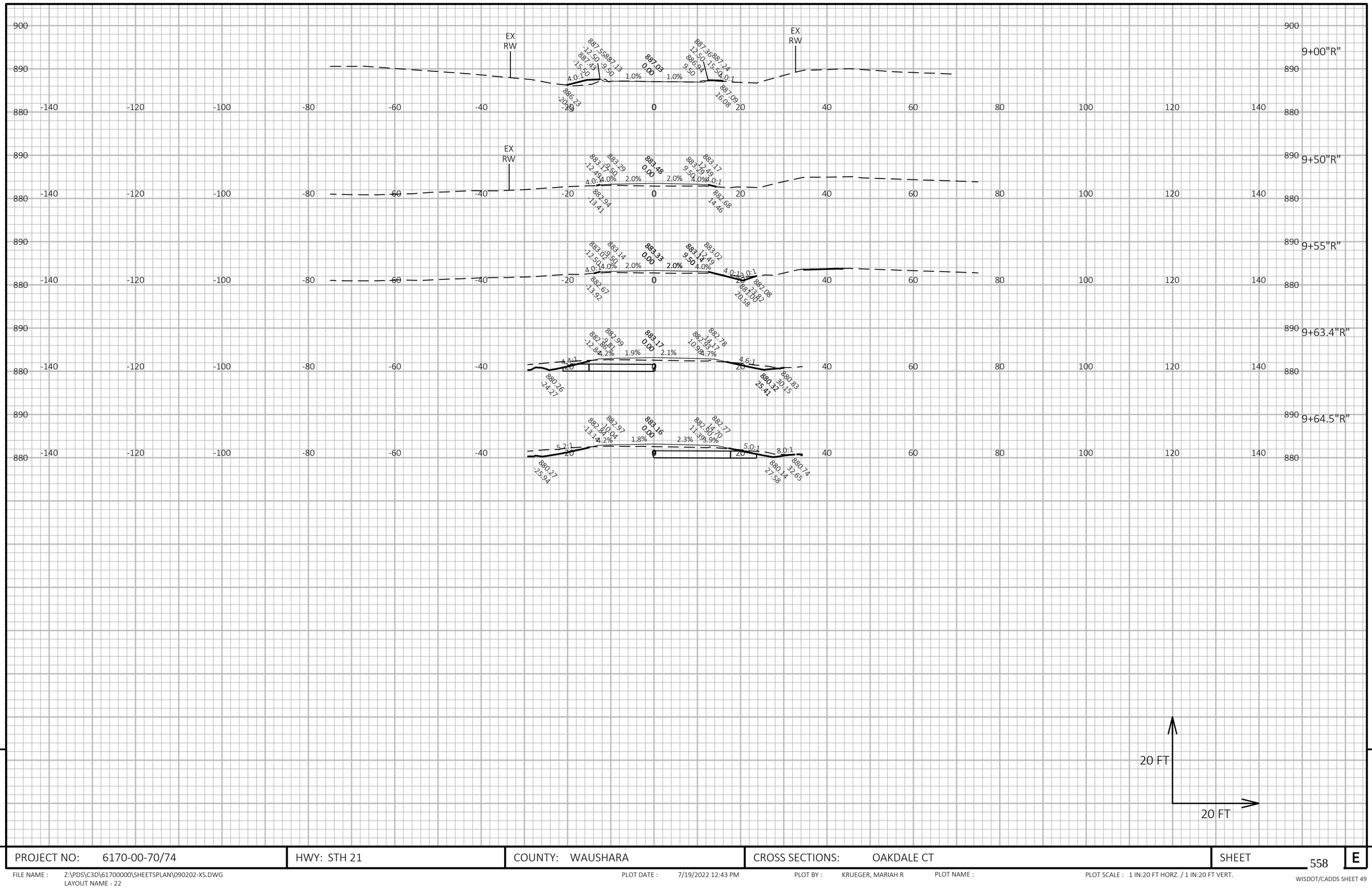
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: CTH Y	SHEET 557	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 21

PLOT DATE : 7/19/2022 12:43 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



20 FT

20 FT

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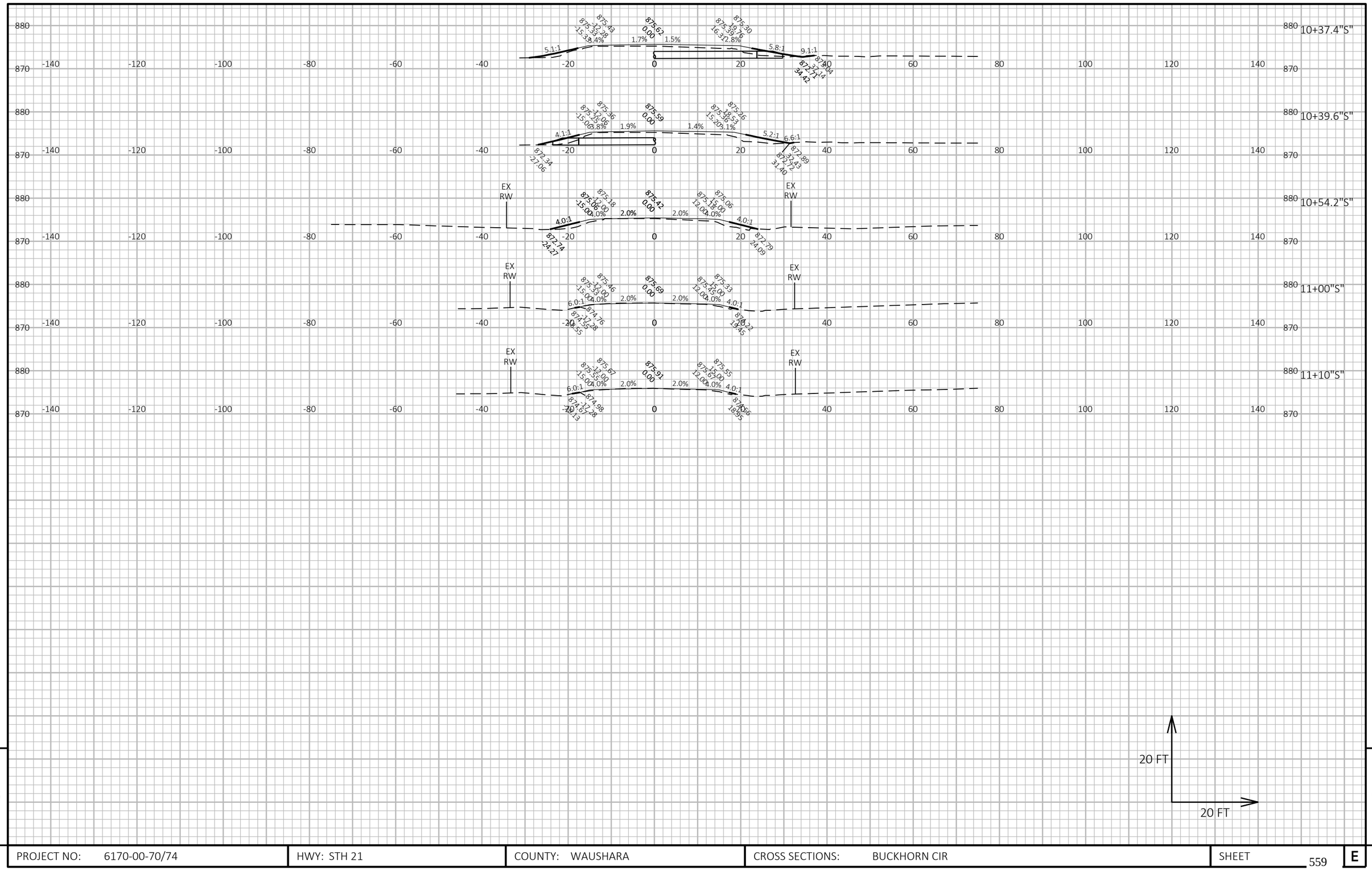
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: OAKDALE CT	SHEET 558	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 22

PLOT DATE : 7/19/2022 12:43 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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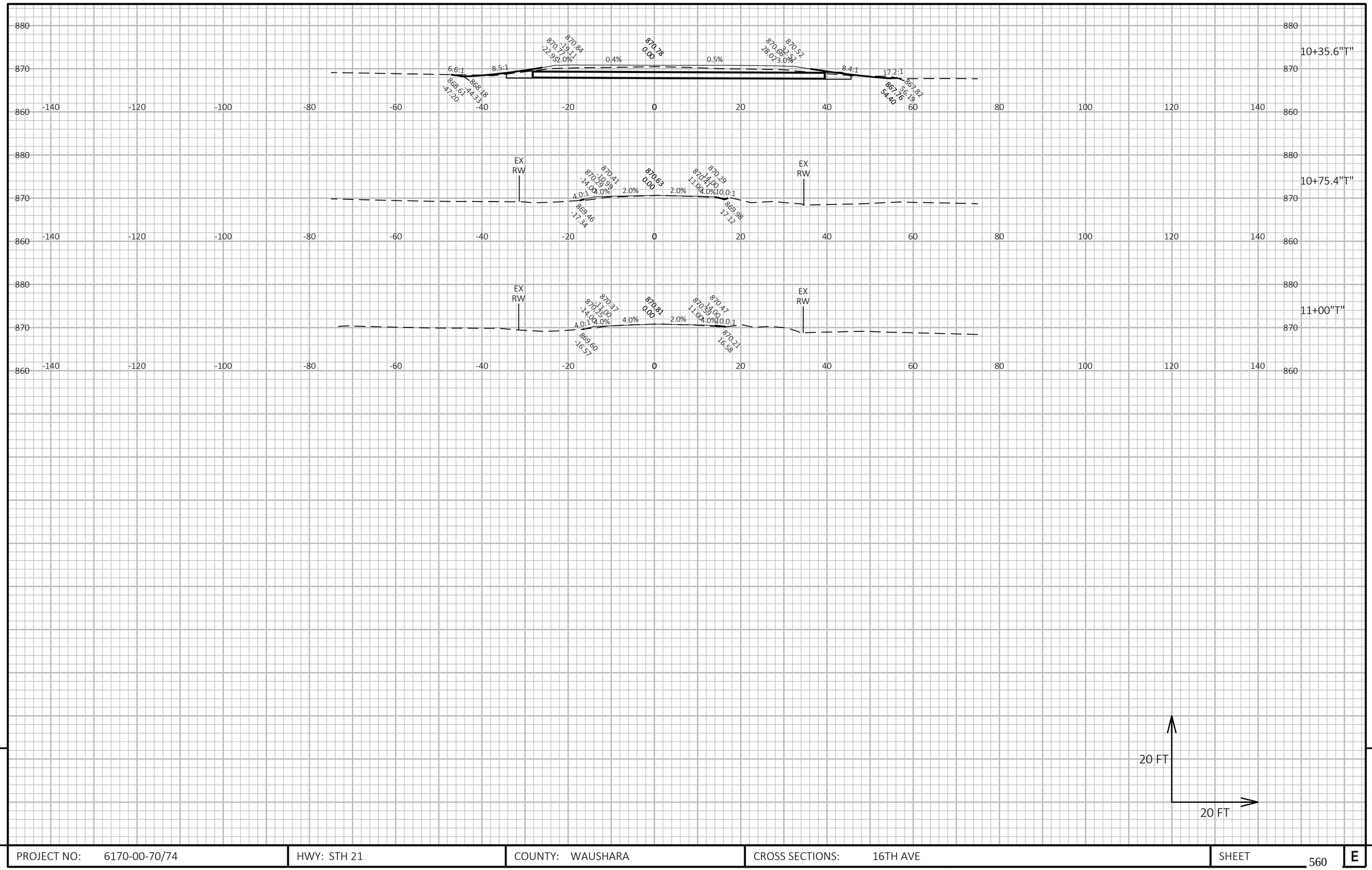
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: BUCKHORN CIR	SHEET 559	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 23

PLOT DATE : 7/19/2022 12:43 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



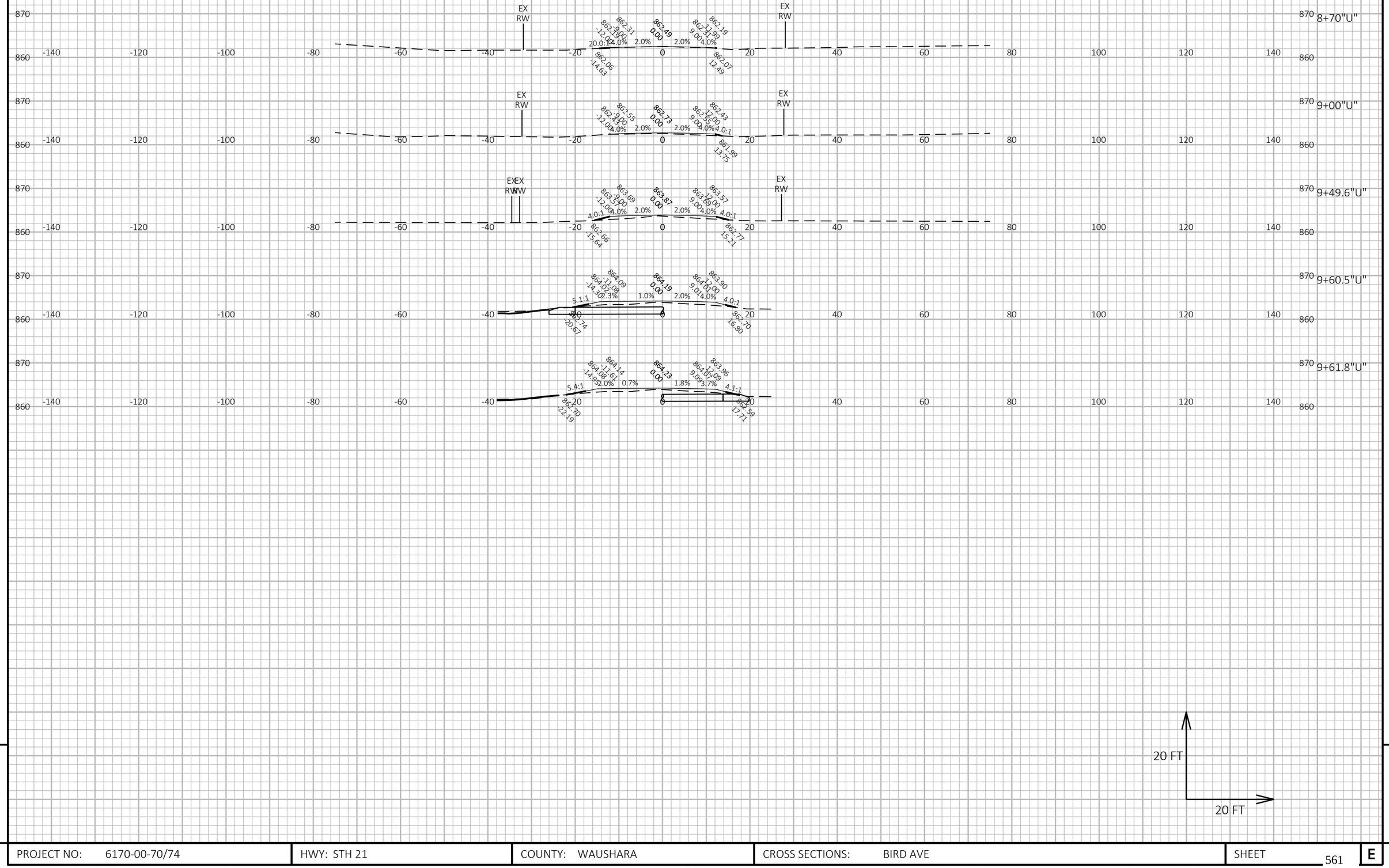
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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: 16TH AVE	SHEET 560	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 24

PLOT DATE : 7/19/2022 12:44 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 6170-00-70/74	HWY: STH 21	COUNTY: WAUSHARA	CROSS SECTIONS: BIRD AVE	SHEET 561	E

FILE NAME : Z:\PDS\C3D\61700000\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 25

PLOT DATE : 7/19/2022 12:44 PM PLOT BY : KRUEGER, MARIAH R PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

Wisconsin Department of Transportation

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