

PROJECT ID: 2240-00-77

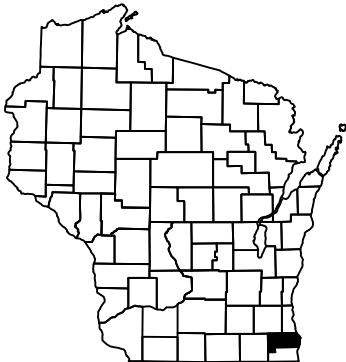
COUNTY: RACINE

WITH: 2240-03-74

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 =



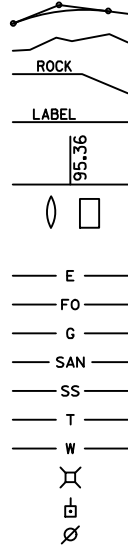
DESIGN DESIGNATION STH 36

A.A.D.T. 2020	=	13,300 to 18,900
A.A.D.T. 2040	=	15,400 to 23,500
D.H.V.	=	9.8
D.D.	=	60/40
T.	=	4.8
DESIGN SPEED	=	60 MPH
ESALS	=	5,000,000

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	////
PROPERTY LINE	---
LOT LINE	---
LIMITED HIGHWAY EASEMENT	---
EXISTING RIGHT OF WAY	---
PROPOSED OR NEW R/W LINE	---
SLOPE INTERCEPT	~
REFERENCE LINE	~
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)	—
SPECIAL DITCH	—
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

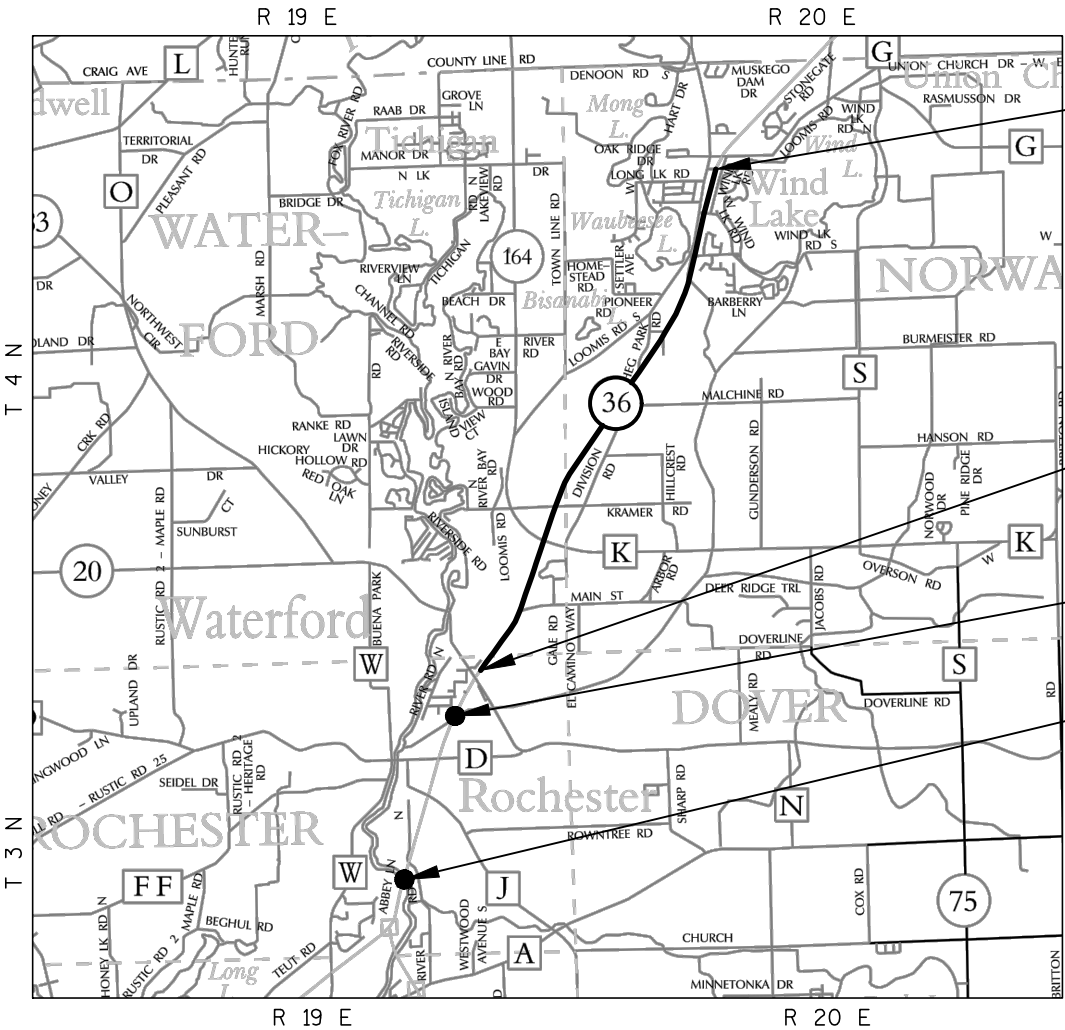
MILWAUKEE AVENUE

STH 20 to CTH Y

STH 36

RACINE COUNTY

STATE PROJECT NUMBER
2240-00-77



LAYOUT
SCALE 0 2 MILES

TOTAL NET LENGTH OF CENTERLINE = 5.709 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, KENOSHA COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATION SHOWN ON THE PLAN ARE REFERENCED TO THE AMERICAN GEODETIC VERTICAL DATUM OF 1988 NAVD 88 (2007)

STATE PROJECT

2240-00-77

FEDERAL PROJECT

PROJECT

CONTRACT

60% PLAN (DRAFT)
07/30/2018

END PROJECT
STA 653+20

BEGIN PROJECT
STA. 351+75
X: 526164.395'
Y: 196208.343'

BRIDGE
B-51-0057
STA. 321+00

BRIDGE
B-51-0056
STA. 229+00

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	R.A. SMITH
Designer	JENNIFER SCHROEDER
Project Manager	JUSTIN SUYDAM
Regional Examiner	
Regional Supervisor	JANET CANNON

APPROVED FOR THE DEPARTMENT

DATE: (Signature)

PRE_1

E

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS DESIGNATED FOR REMOVAL BY THE ENGINEER.

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

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

CONTACT THE PROJECT ENGINEER AND SEWRPC, AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

TRAFFIC CONTROL LOCATIONS AS SHOWN IN THE PLAN ARE SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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

PROTECT FROM DAMAGE AND AROUND ANY EXISTING SIGNS OR MAILBOXES THAT ARE TO REMAIN IN PLACE.

IF AN EXISTING SIGN IS TO BE REMOVED AND REPLACED WITH A NEW SIGN, DO NOT REMOVE THE EXITING SIGN PRIOR TO INSTALLATION OF THE NEW SIGN.

DO NOT USE FERTILIZER OR TEMPORARY SEED WITHIN 20' OF WATERWAYS OR WETLAND AREAS.

USE SEED MIXTURE NO. 60 FOR WETLAND AREAS AND WITHIN 20' OF WETLAND AREAS.

RETOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, SOD, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTANINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

SEE GEOTECHNICAL ENGINEERING REPORT FOR SOIL INFORMATION. REPORT IS AVAILABLE FROM THE SOUTHEAST REGION SOILS ENGINEER CASEY WIERZCHOWSKI, PHONE 262-521-4427 OR EMAIL CASEY.WIERZCHOWSKI@DOT.WI.GOV

HMA PAVEMENT

SECTION	LAYERS	THICKNESS	HMA TYPE
SB STH 36 4-INCH	UPPER LAYER	1 3/4 - INCH	4 MT 58-28 S
	LOWER LAYER	2 1/4 - INCH	3 MT 58-28 S
NB STH 36 6-1/2 INCH	UPPER LAYER	1 3/4 - INCH	4 MT 58-28 S
	MIDDLE LAYER	2 1/4 - INCH	3 MT 58-28 S
	LOWER LAYER	2 1/2 - INCH	3 MT 58-28 S

DESIGN INDEX OF SECTION 2 SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PLAN DETAILS
- STORM SEWER
- TRAFFIC SIGNALS
- TRAFFIC CONTROL AND CONSTRUCTION STAGING
- DETOURS
- ALIGNMENT

UTILITY CONTACTS

AT&T WISCONSIN
~~Mark Eder~~
2005 Pewaukee Road
Waukesha, WI 53188-2443
Phone: ~~(262) 896-7434~~
Fax: (262) 896-7435
~~me1754@att.com~~

WE ENERGIES (ELECTRIC) 
Terry Connelly 
S13W33800 Hwy 18
Delafield, WI 53018
Phone: (262) 968-5771
terry.connelly@we-energies.com

RACINE COUNTY DPW
Julie Anderson
14200 Washington Avenue
Sturtevant, WI 53177
Phone: (262) 532-8829
julie.anderson@racinecounty.com

DOT PROJECT MANAGER
Justin Suydam
WisDOT, SE Region
141 NW Barstow, PO Box 798
Waukesha, WI 53187-0798
Phone: (262) 548-8745
Justin.Suydam@dot.wi.gov

ANR PIPELINE CO.
~~Larry Huber, Property Rights Sp.~~
~~W3925 Pipeline Lane~~
~~Eden, WI 53019~~
Phone: ~~(920) 477-2235, Ext. 13~~
Fax: ~~(920) 477-2240~~
~~lawrence_huber@transcanada.com~~

WE ENERGIES (GAS OPERATIONS) 
Danielle Fink 
500 S 116th Street
West Allis, WI 53214
Phone: (414) 944-5627
Cell: (414) 651-3067
danielle.fink@we-energies.com

RACINE COUNTY ENGINEER
Nathan Plunkett
14200 Washington Avenue
Sturtevant, WI 53177
Phone: (262) 886-8440
Fax: (262) 886-8480
nathan.plunkett@racinecounty.com

WISDOT TRAFFIC LIGHTING
Eric Perea
141 NW Barstow, PO Box 798
Waukesha, WI 53187-0798
Phone: (262) 574-5422
eric.perea@dot.wi.gov

ATC MANAGEMENT, INC.
Anthony Marciniak
W234 N200 Ridgeview Parkway Ct, PO Box 47
Waukesha, WI 53187-0047
Phone: (262) 506-6814
amarciniak@atcllc.com

TOWN OF NORWAY SUPERVISOR OF PUBLIC WORKS
Scott Laux
6419 Heg Park Road
Wind Lake, WI 53185
Phone: (262) 534-2025
info@townofnorway.org

WISDOT SIGNALS
Red Phone
141 NW Barstow, PO Box 798
Waukesha, WI 53187-0798
Phone: (414) 750-2605

TDS METROCOM
Matthew Schulte
16924 West Victor Road
New Berlin, WI 53151
Phone: (262) 754-3063
Fax: (262) 754-3124
matt.schulte@tdstelecom.com

SOUTHEASTERN WISCONSIN REGIONAL PLANNING
COMMISSION (SEWRPC)
John Washburn
W239 N1812 Rockwood Drive, P.O. Box 1607
Waukesha, WI 53187-1607
Phone (262)953-4295
Cell 414-218-2866
Fax (262)547-1103
jwashburn@sewrpc.org

VILLAGE OF ROCHESTER DPW
Christopher Birkett
300 W Main Street, PO Box 65
Rochester, WI 53167
Phone: (262) 534-2431
Fax: (262) 534-4084
cbirkett@rochesterwi.us

WISDOT STOC
Jeff Madson
433 W St. Paul Avenue, Suite 300
Milwaukee, WI 53203-3007
Phone: (414) 225-3723
jeffrey.madson@dot.wi.gov

~~TIME WARNER CABLE~~
1320 N. Martin Luther King Jr. Dr.
Milwaukee, WI 53212
Phone: ~~(414) 277-4045~~
~~wis.engineering@twcable.com~~

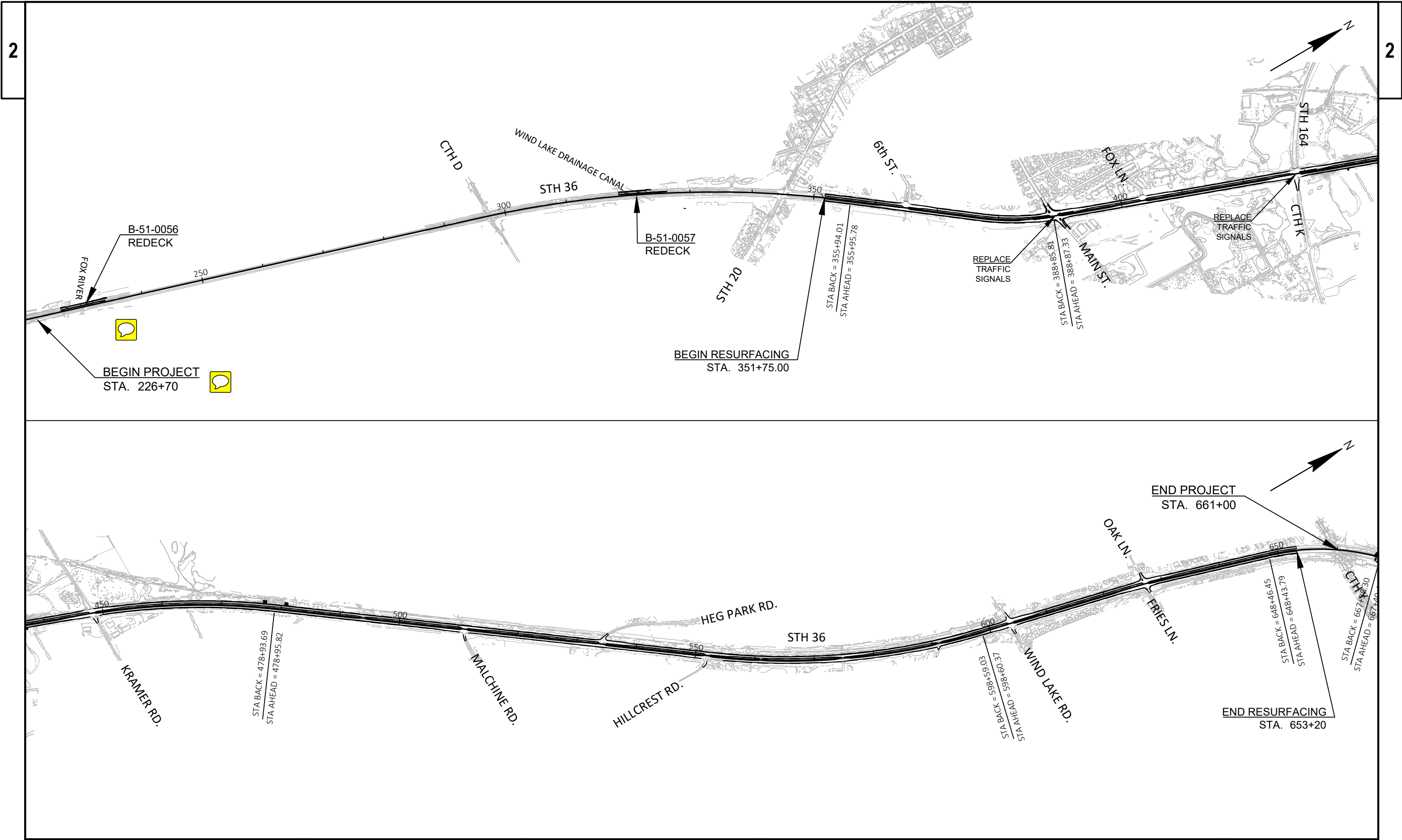
DNR CONTACT 
Craig Webster
141 NW Barstow Street
Waukesha, WI 53188
Phone: (262) 574-2141
Cell Phone: (414) 303-3011
Craig.Webster@wisconsin.gov

VILLAGE OF WATERFORD DPW
Jim Bergles
123 N River Street
Waterford, WI 53185
Phone: (262) 534-3980 ext. 321
Fax: (262) 534-5373
jbergles@waterfordwi.org

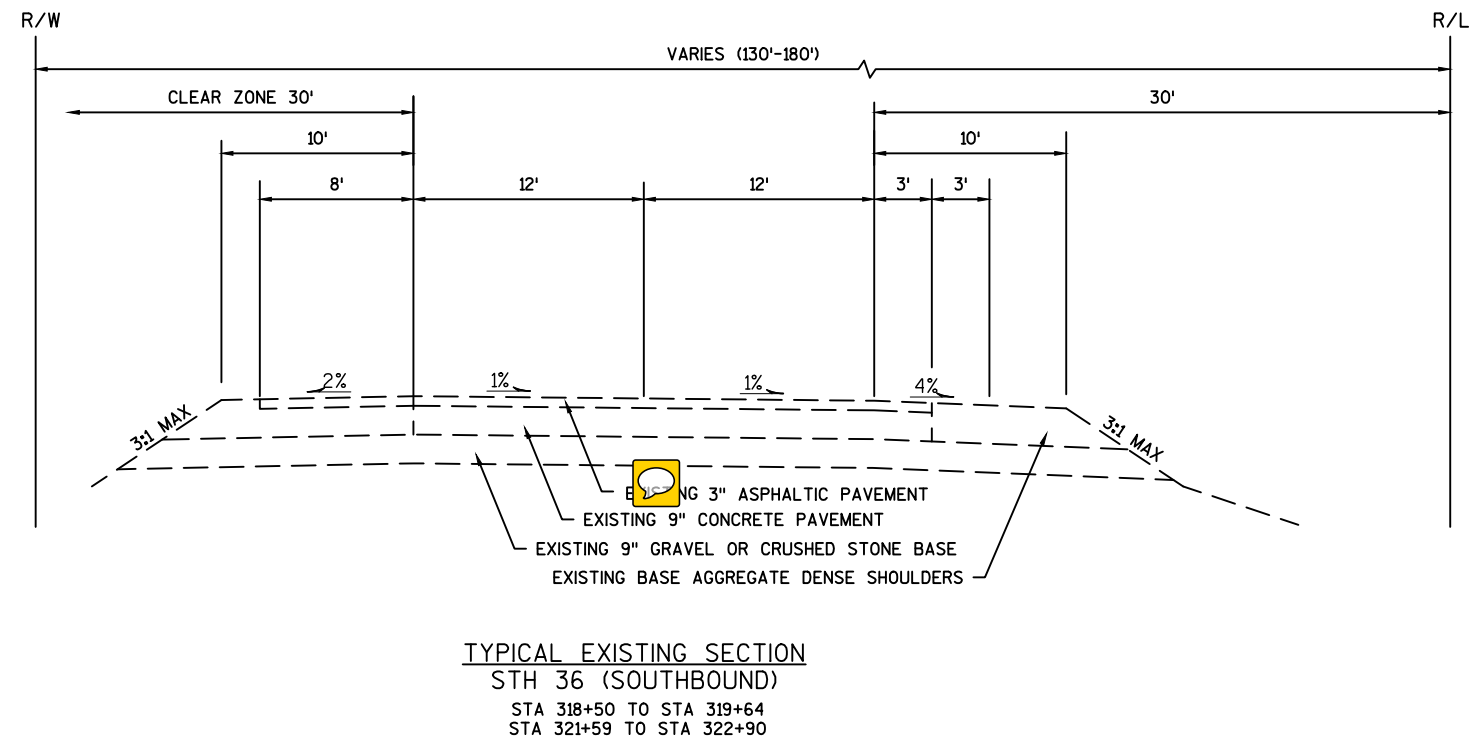
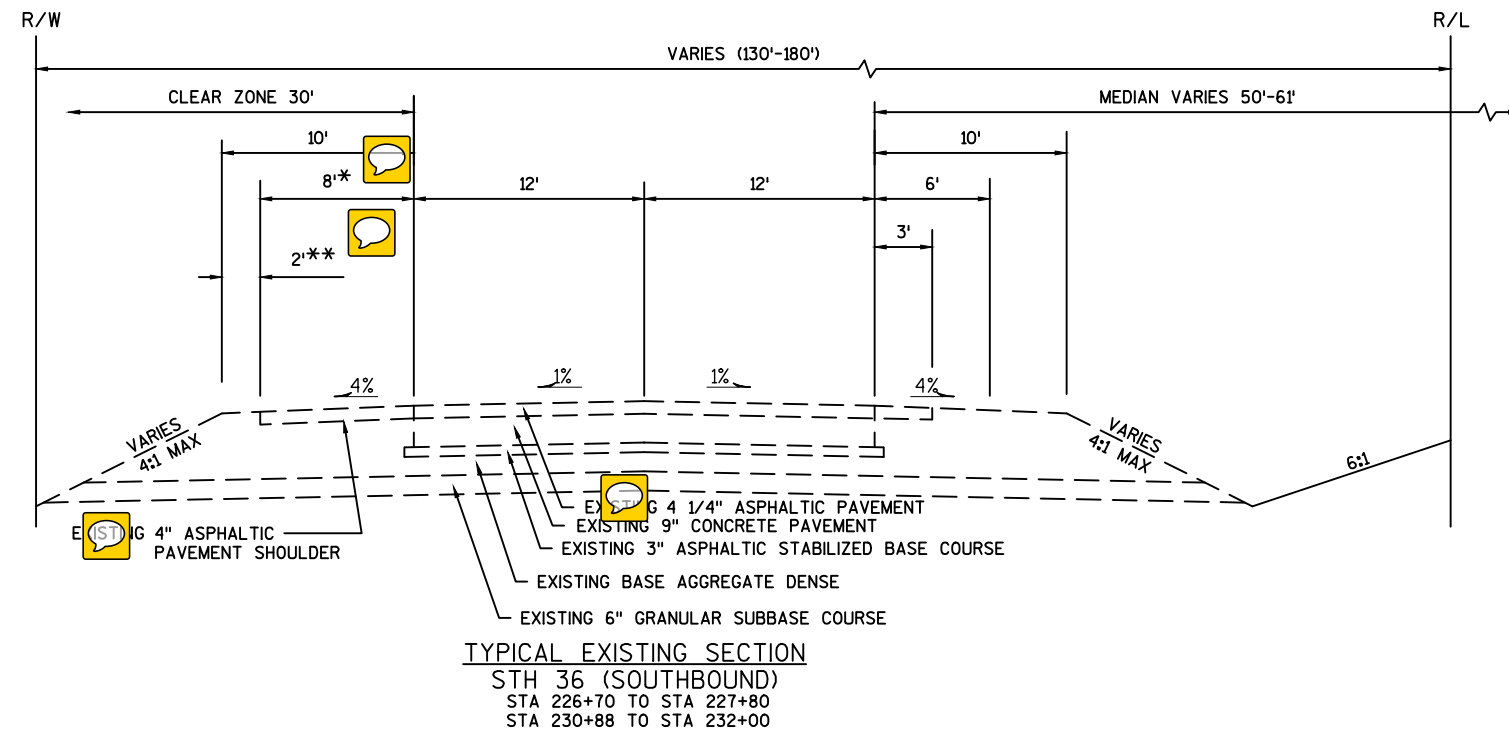


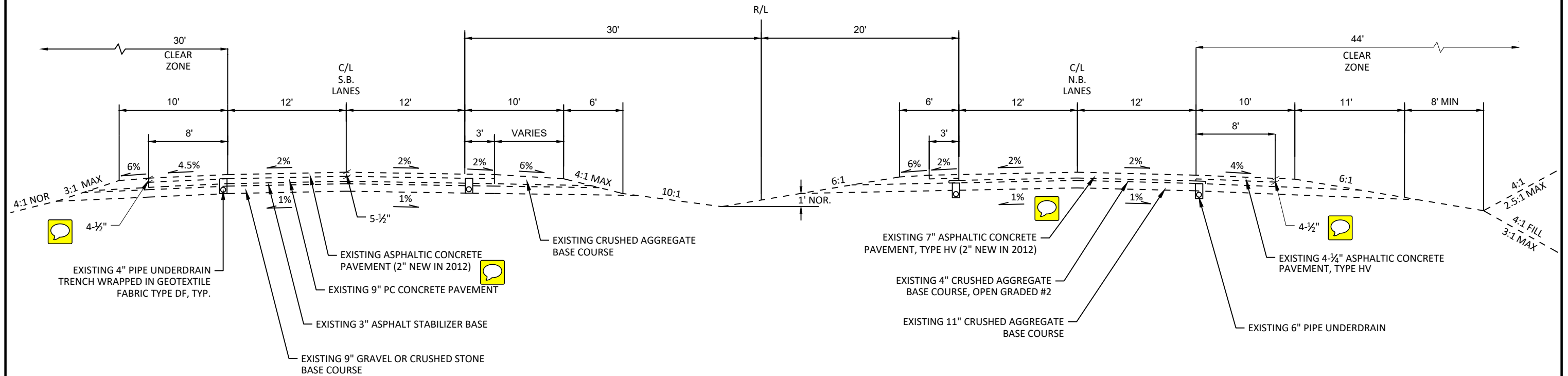
Dial  or (800) 242-8511

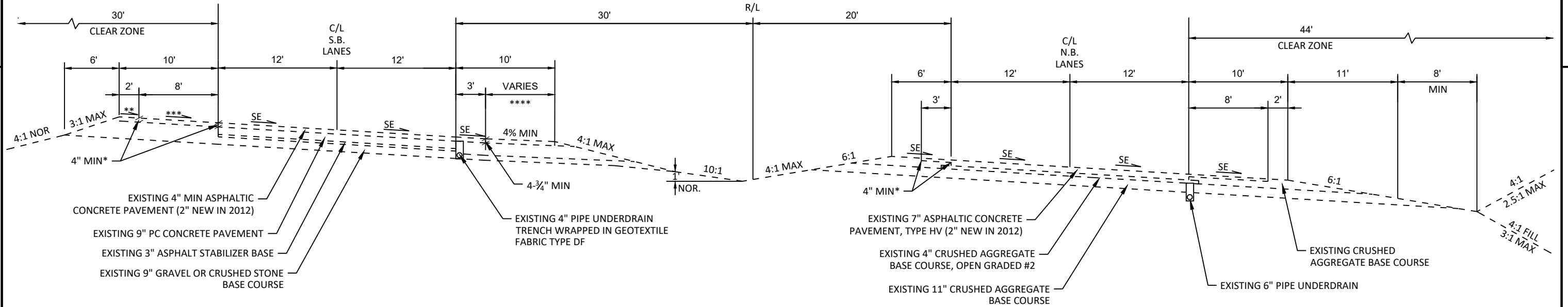
www.DiggersHotline.com



PROJECT NO: 2240-00-77	HWY: SYH 36	COUNTY: RACINE	PROJECT OVERVIEW	SHEET PRE_4 E
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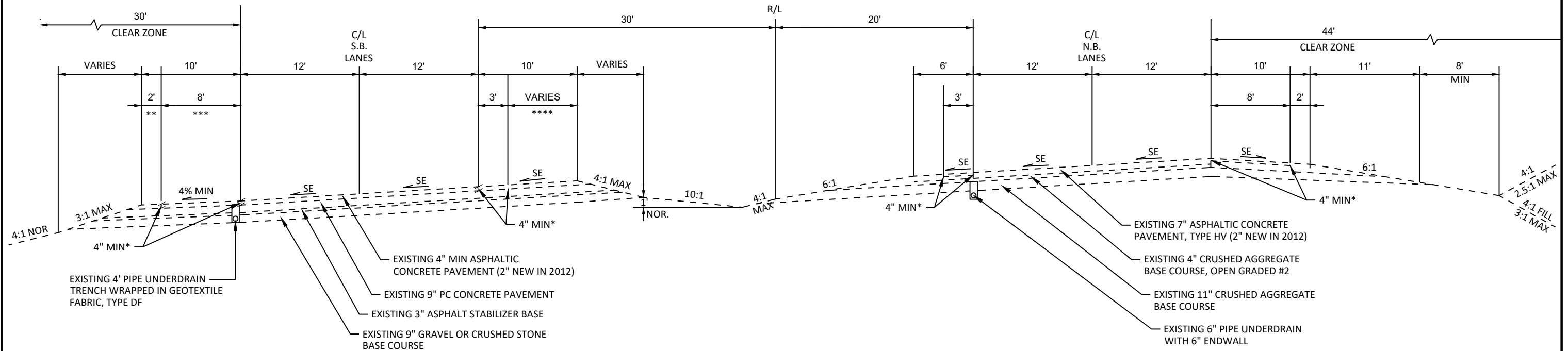
* SHOULDER DEPTH VARIES 4\"-7\"

STA 351+75 TO STA 358+80
STA 443+80 TO STA 841+80
STA 620+70 TO STA 633+80

EXISTING STH 36 (MAINLINE) SUPERELEVATED

STA. 351+75 TO STA. 358+80
STA. 443+80 TO STA. 481+80
STA. 620+70 TO STA. 633+80
STA. 644+80 TO STA. 663+50

	**	***	****
STA. 373+80 TO STA. 392+50	-2.0%	2.0%	6.0%
STA. 550+10 TO STA. 601+50	-2.0%	2.0%	6.0%
STA. 620+70 TO STA. 633+80	-2.0%	2.0%	6.0%
STA. 644+80 TO STA. 663+50	-2.0%	2.9%	5.1%



* SHOULDER DEPTH VARIES 4\"-7\"

STA 550+10 TO STA 601+50

EXISTING STH 36 (MAINLINE) SUPERELEVATED

STA. 373+80 TO STA. 392+50
STA. 550+10 TO STA. 601+50

	**	***	****
STA. 373+80 TO STA. 392+50	4.9%	4.9%	3.0%
STA. 550+10 TO STA. 601+50	4.8%	4.8%	0.9%

PROJECT NO: 2240-00-77

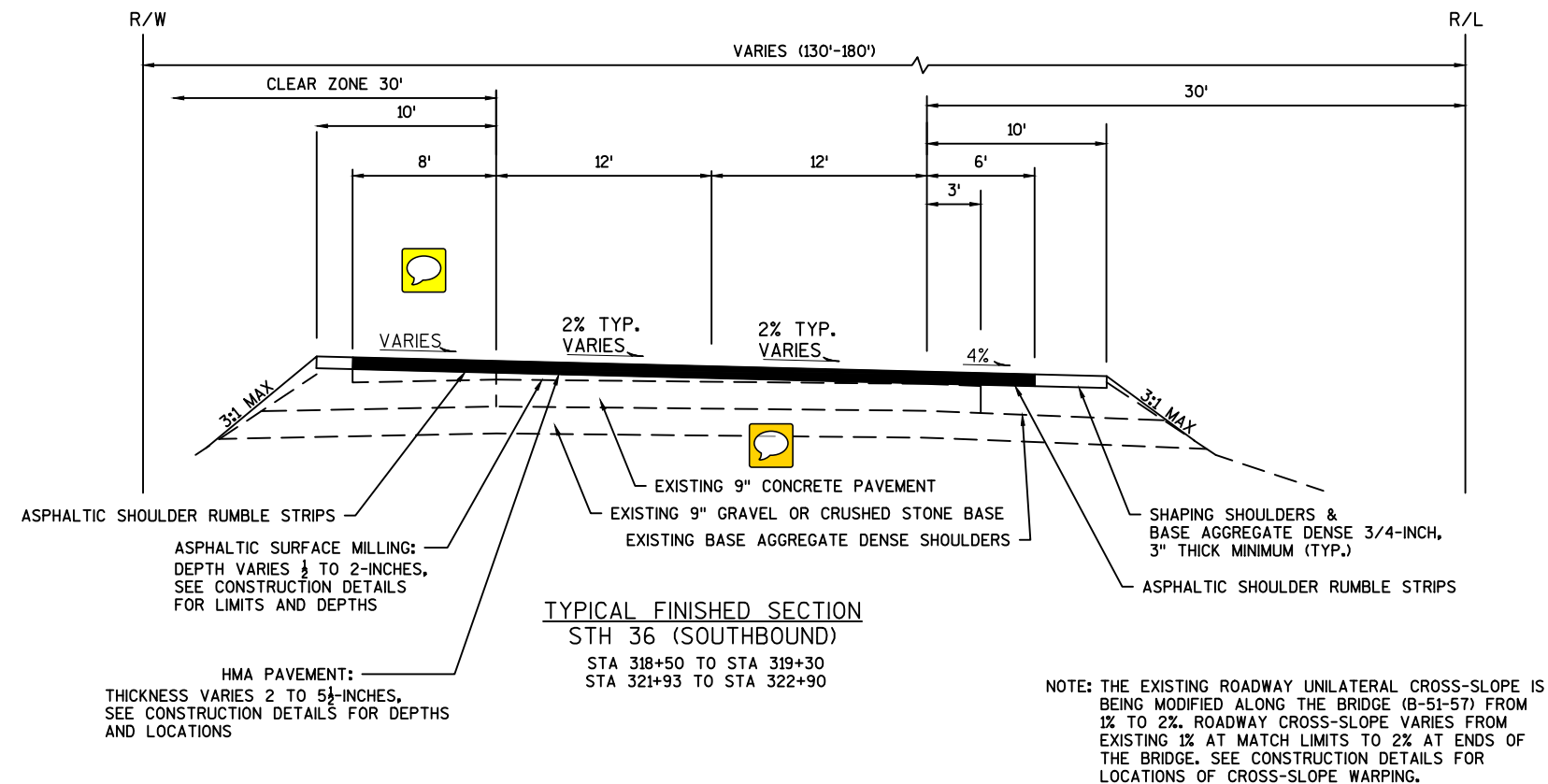
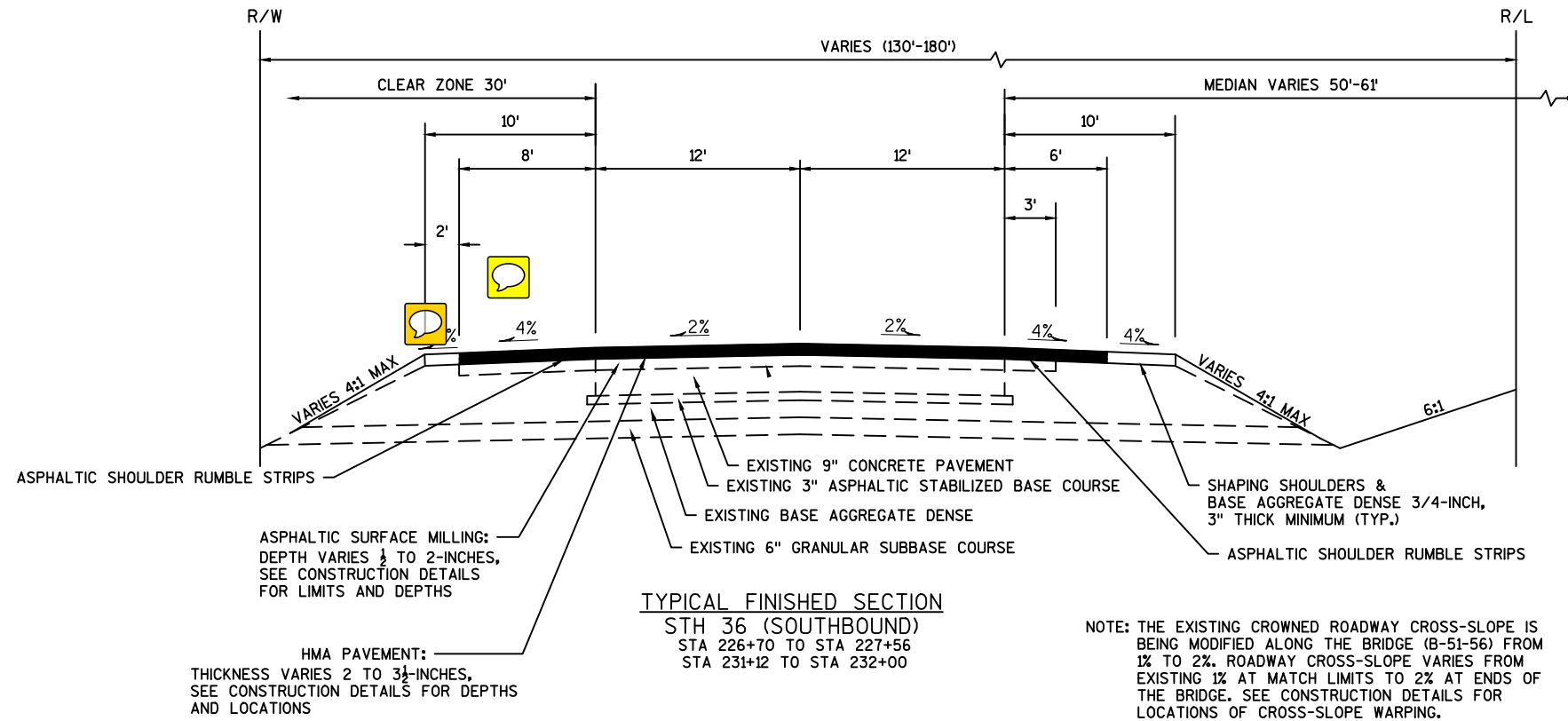
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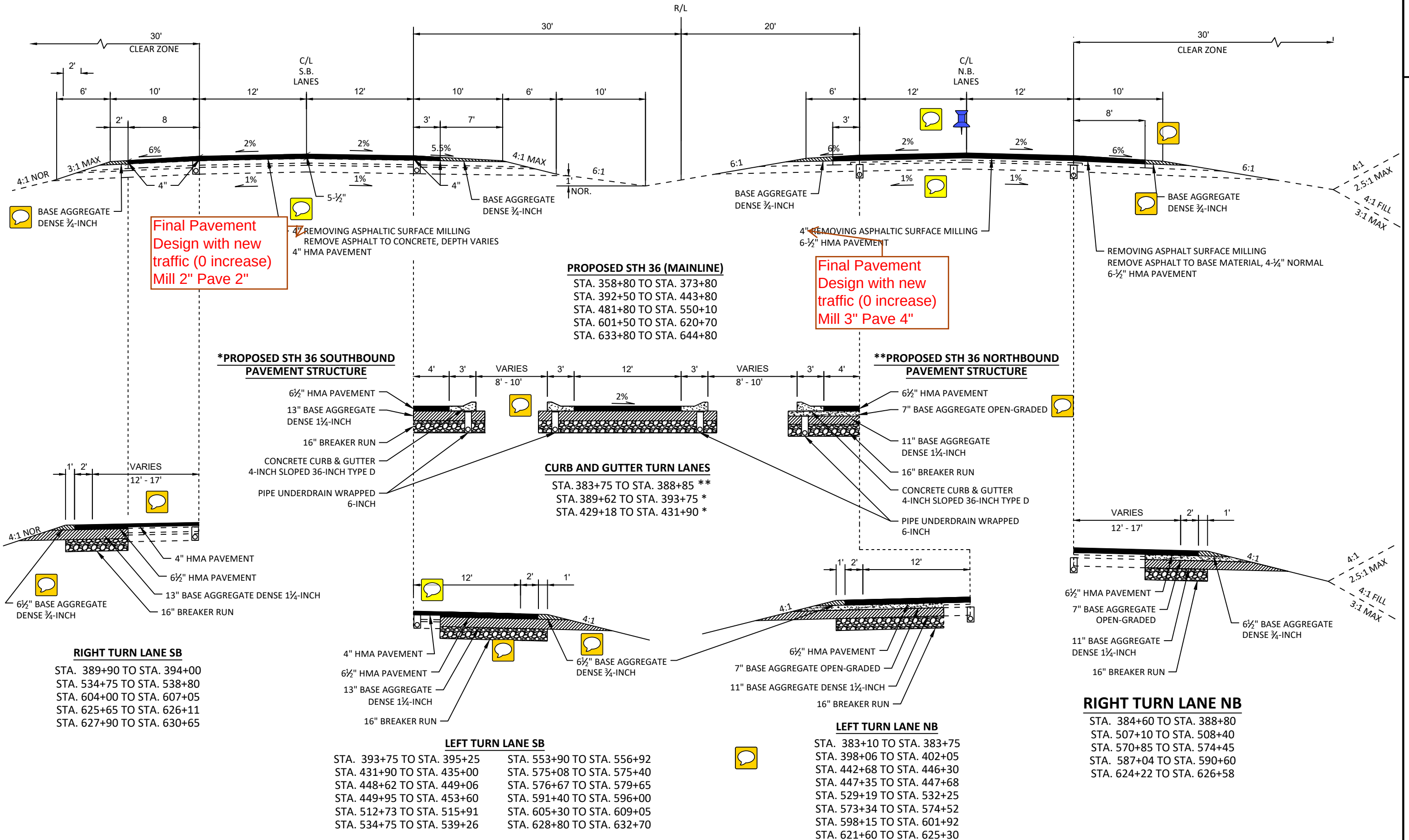
COUNTY: RACINE

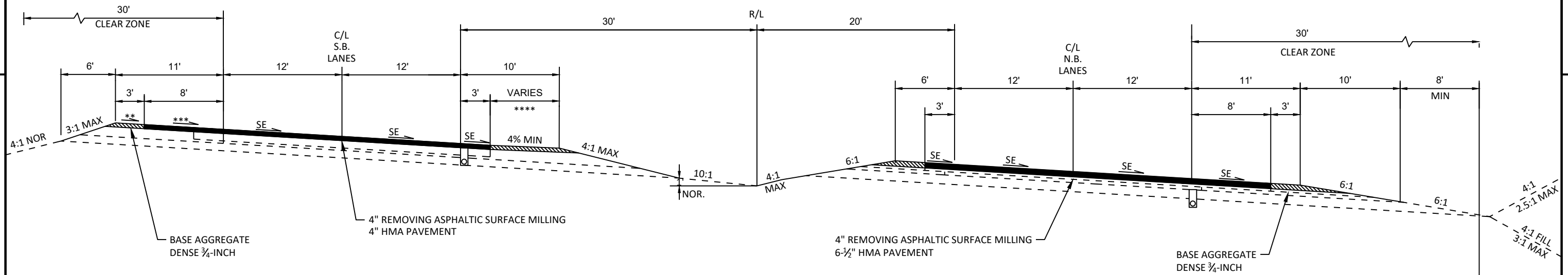
TYPICAL SECTIONS

SHEET

E

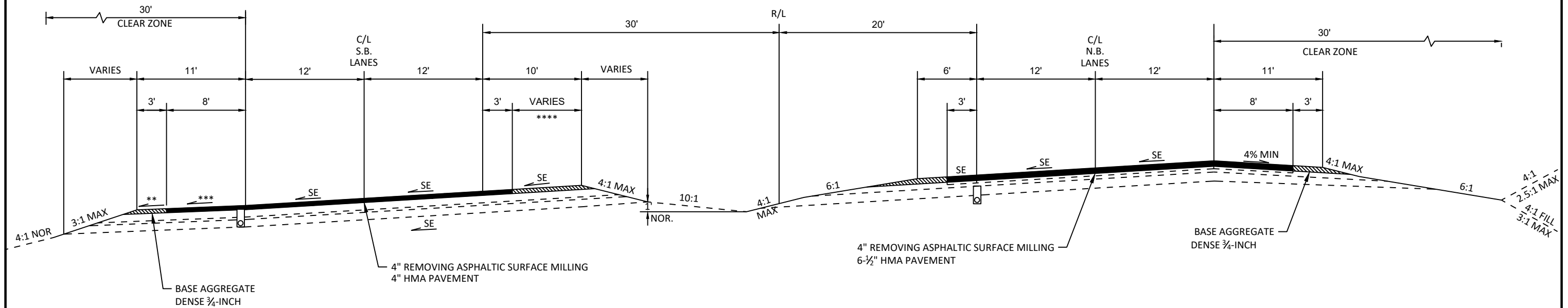




**PROPOSED STH 36 (MAINLINE) SUPERELEVATED**

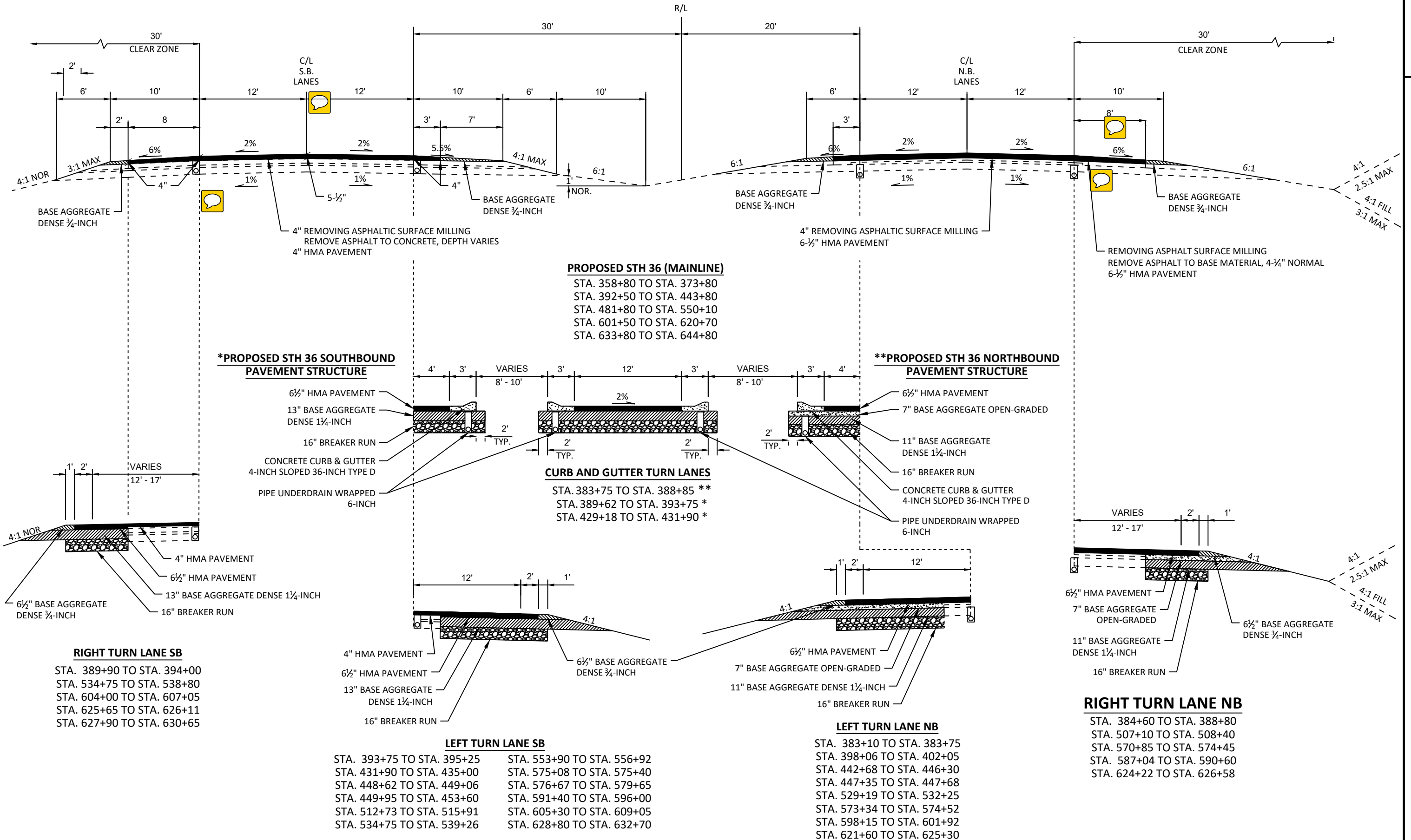
STA. 351+75 TO STA. 358+80
STA. 443+80 TO STA. 481+80
STA. 620+70 TO STA. 633+80
STA. 644+80 TO STA. 663+50

	**	***	****
STA. 373+80 TO STA. 392+50	-2.0%	2.0%	6.0%
STA. 550+10 TO STA. 601+50	-2.0%	2.0%	6.0%
STA. 620+70 TO STA. 633+80	-2.0%	2.0%	6.0%
STA. 644+80 TO STA. 663+50	-2.0%	2.9%	5.1%

**PROPOSED STH 36 (MAINLINE) SUPERELEVATED**

STA. 373+80 TO STA. 392+50
STA. 550+10 TO STA. 601+50

	**	***	****
STA. 373+80 TO STA. 392+50	4.9%	4.9%	3.0%
STA. 550+10 TO STA. 601+50	4.8%	4.8%	0.9%

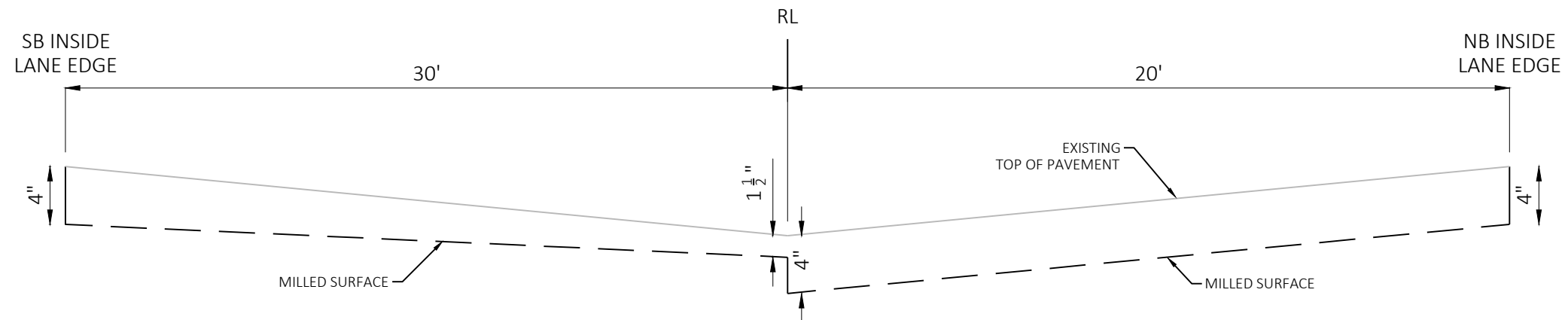




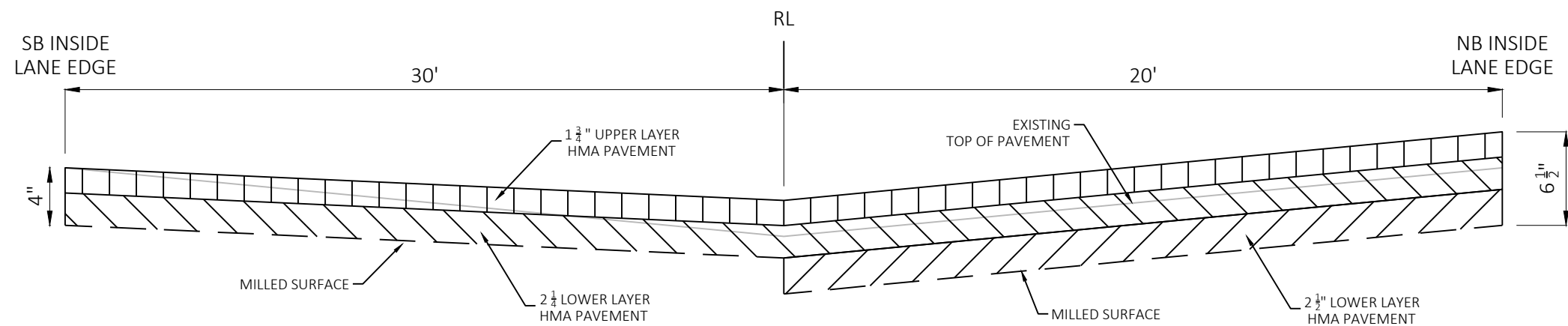
	**	***	****
STA. 373+80 TO STA. 392+50	-2.0%	2.0%	6.0%
STA. 550+10 TO STA. 601+50	-2.0%	2.0%	6.0%
STA. 620+70 TO STA. 633+80	-2.0%	2.0%	6.0%
STA. 644+80 TO STA. 663+50	-2.0%	2.9%	5.1%



	**	***	****
STA. 373+80 TO STA. 392+50	4.9%	4.9%	3.0%
STA. 550+10 TO STA. 601+50	4.8%	4.8%	0.9%

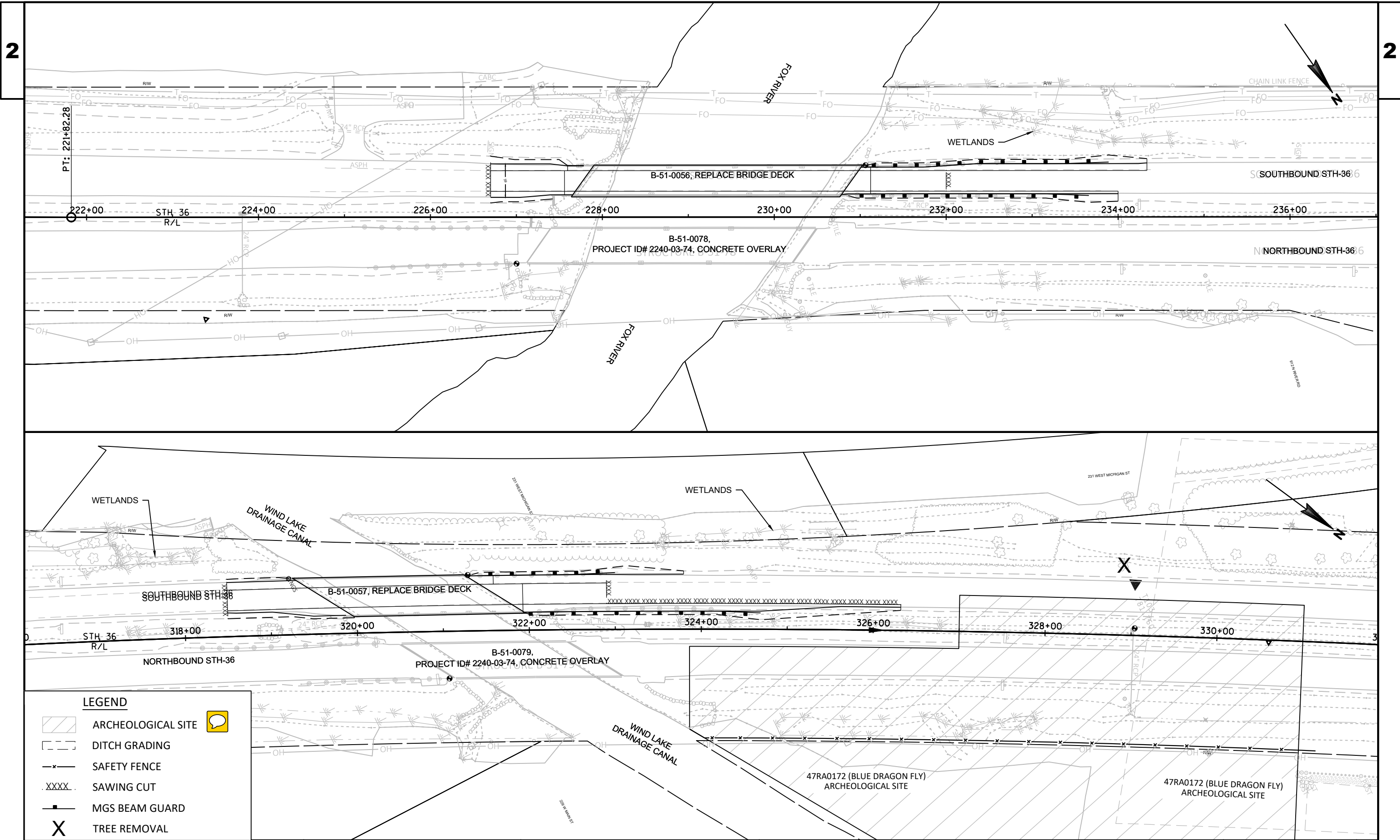


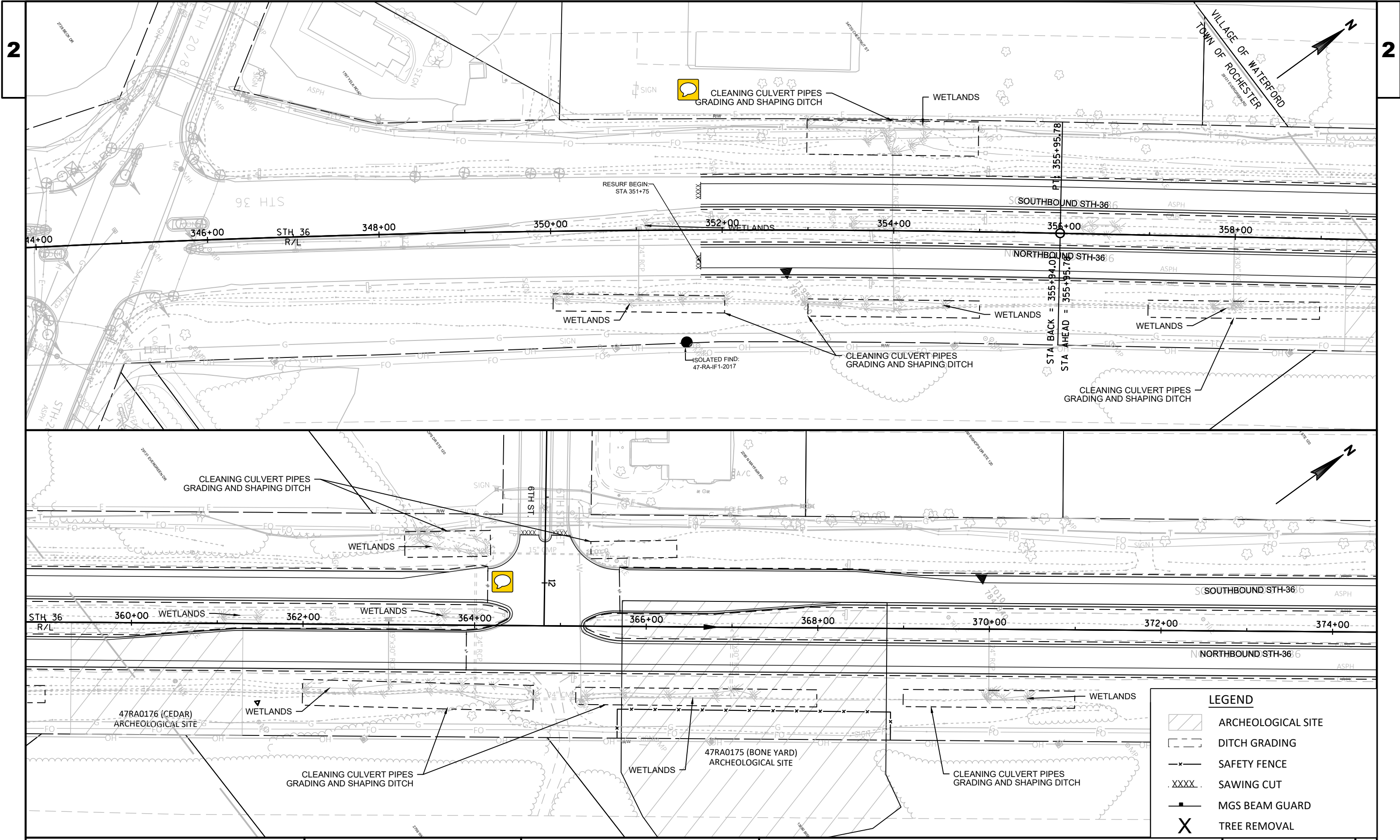
MILLING MEDIAN OPENINGS AND INTERSECTIONS



PAVING MEDIAN OPENINGS AND INTERSECTIONS

**MILLING AND PAVING MEDIAN
OPENINGS AND INTERSECTIONS**TRANSITION FROM 4" MILLING TO 1 1/2" DEPTH OVER 25' INTO AND OUT OF MEDIAN
OPENINGS AND INTERSECTIONS





LEGEND

ARCHEOLOGICAL SITE

DITCH GRADING

-x-

SAFETY FENCE

.XXXX.

SAWING CUT

-|

MGS BEAM GUARD

X

TREE REMOVAL



PROJECT NO:2240-00-77

HWY:STH 36

COUNTY:RACINE

PLAN DETAILS

SHEET

PRE_16

E

FILE NAME : N:\PDS\C3D\22400007\SHEETPLAN\021201-PD.DWG
LAYOUT NAME - STH 36 - (74)

PLOT DATE : 7/5/2018 2:21 PM

PLOT BY : SCHROEDER, JENNIFER PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADS SHEET 44



PROJECT NO:2240-00-77

HWY:STH 36

COUNTY:RACINE

PLAN DETAILS

SHEET

PRE_17

E

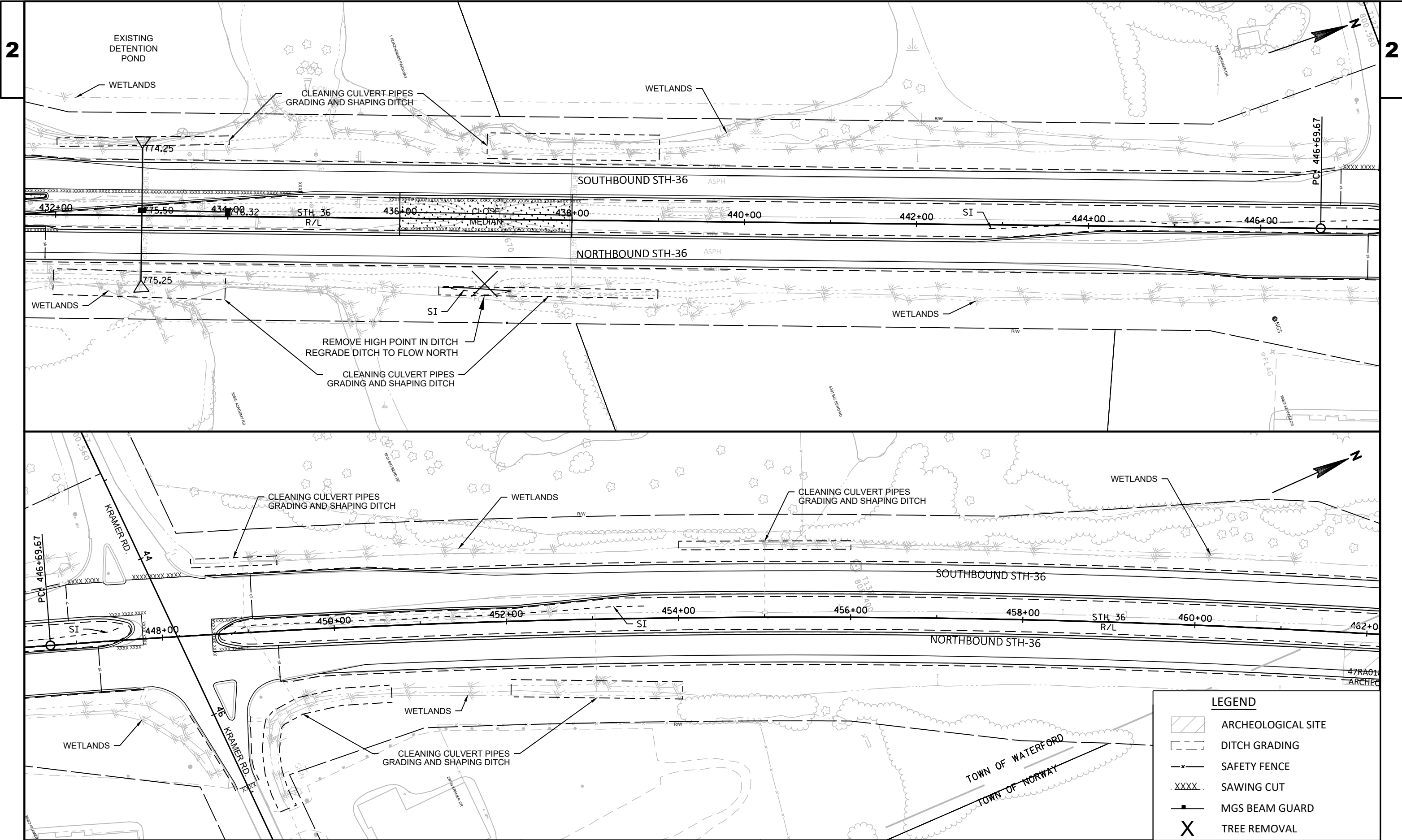
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LAYOUT NAME - STH 36 - (75)

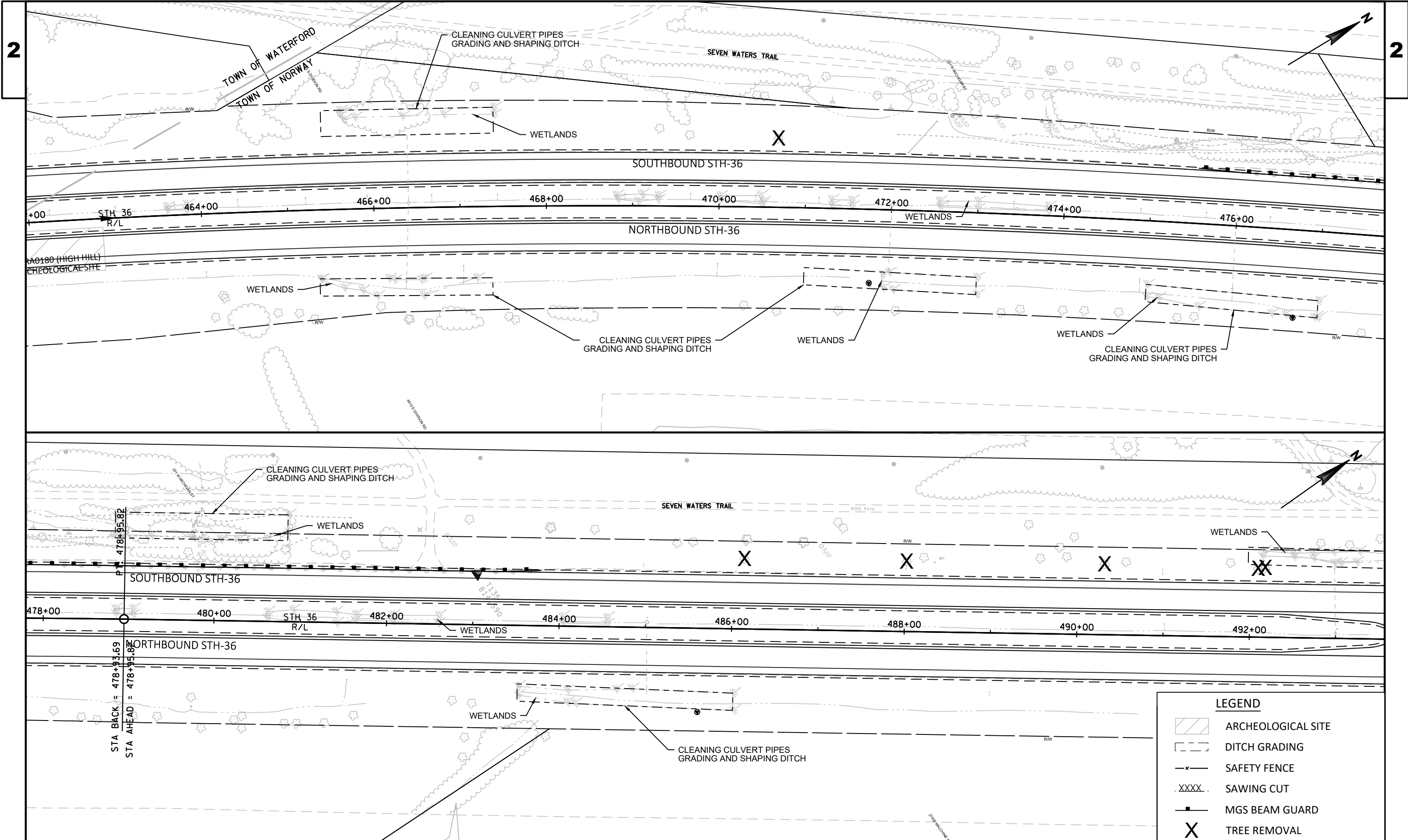
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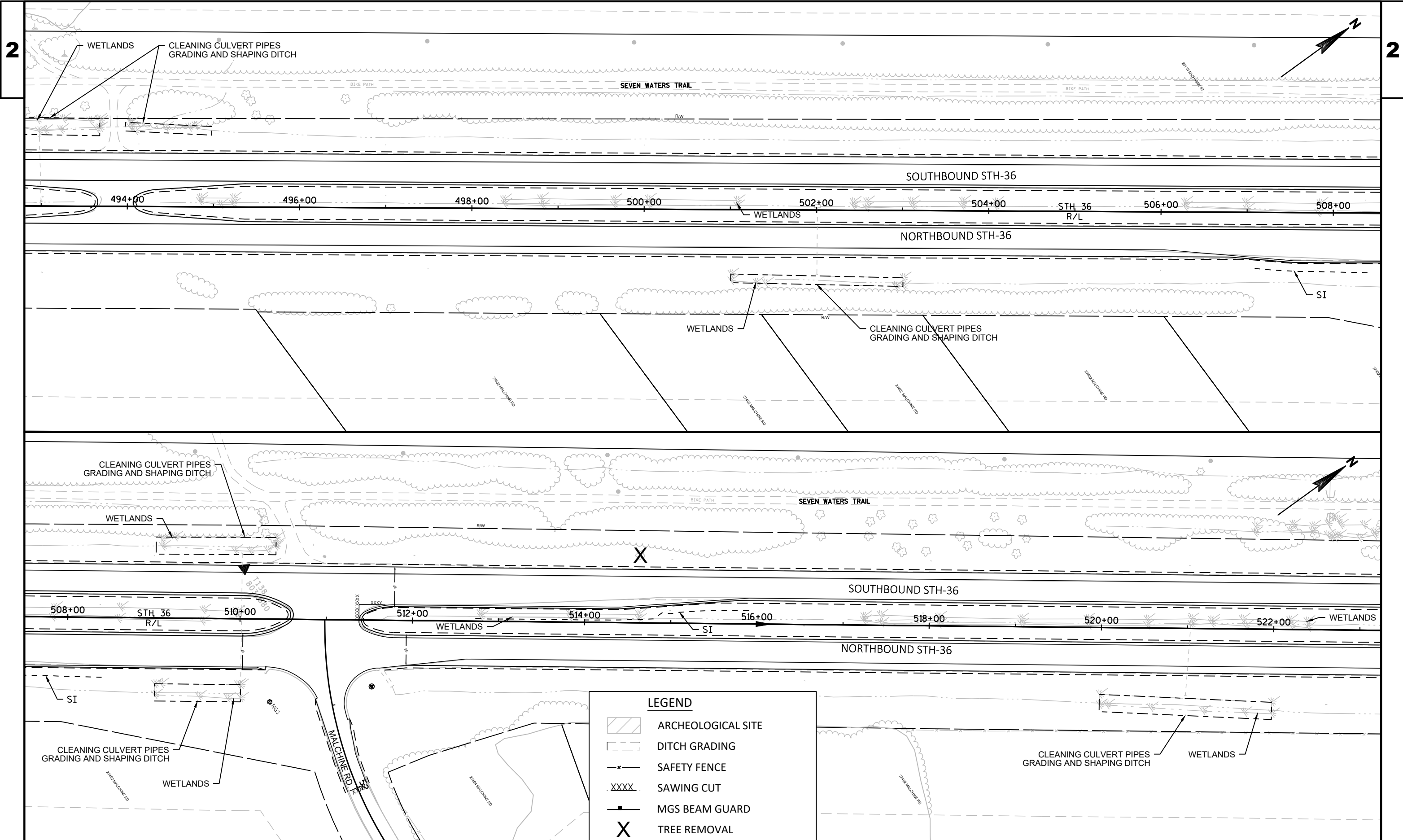
PLOT BY : SCHROEDER, JENNIFER PLOT NAME :

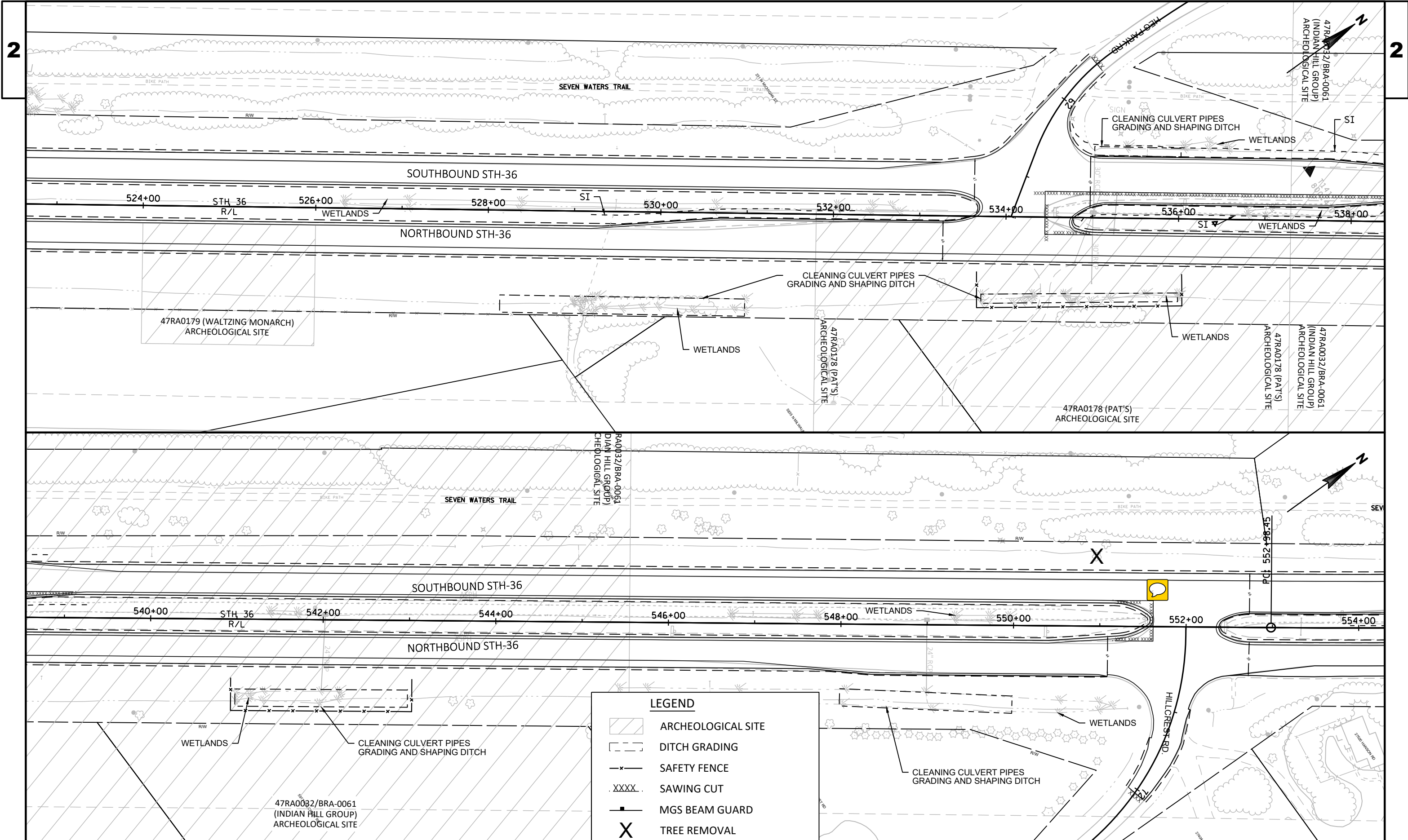
PLOT SCALE : 1 IN:100 FT

WISDOT/CADS SHEET 44

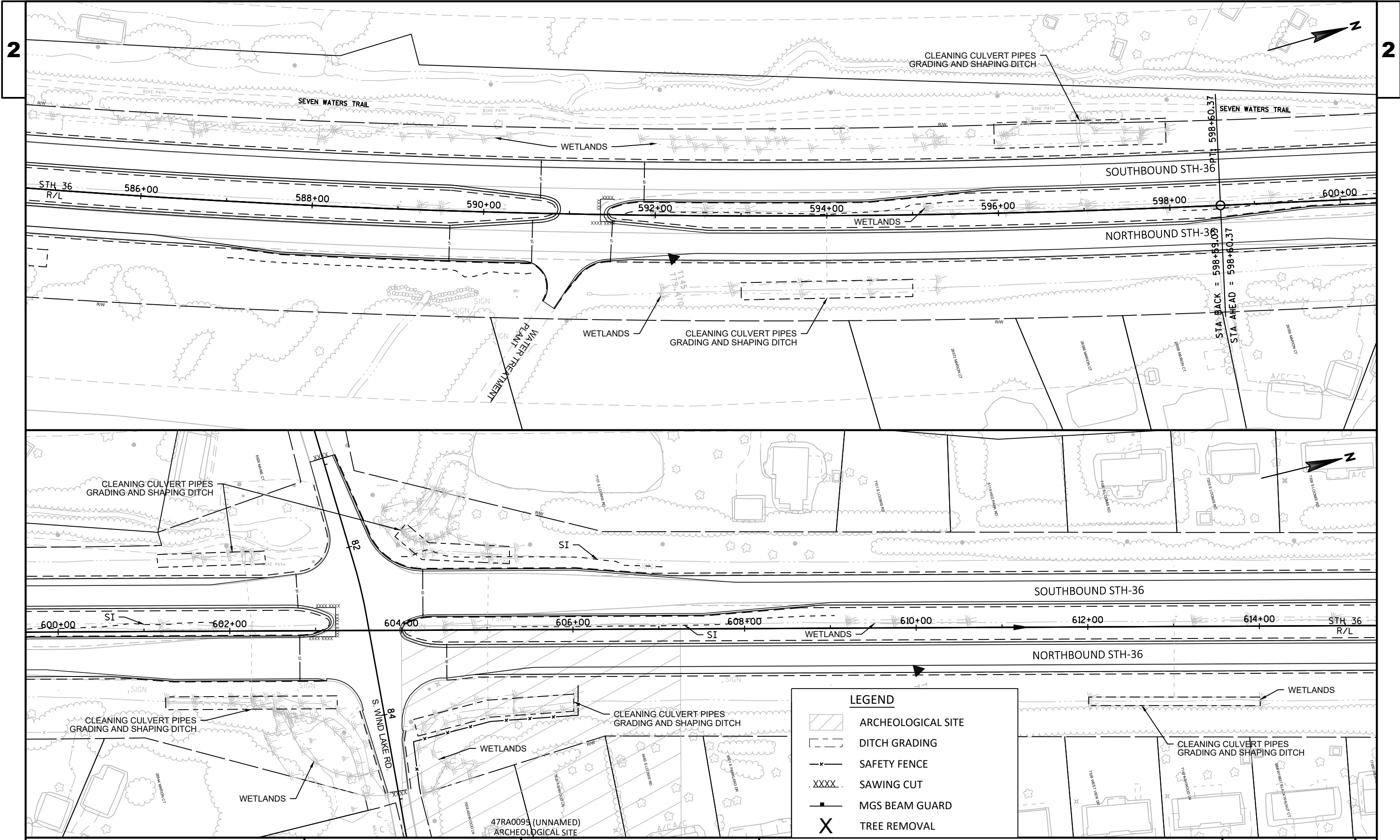






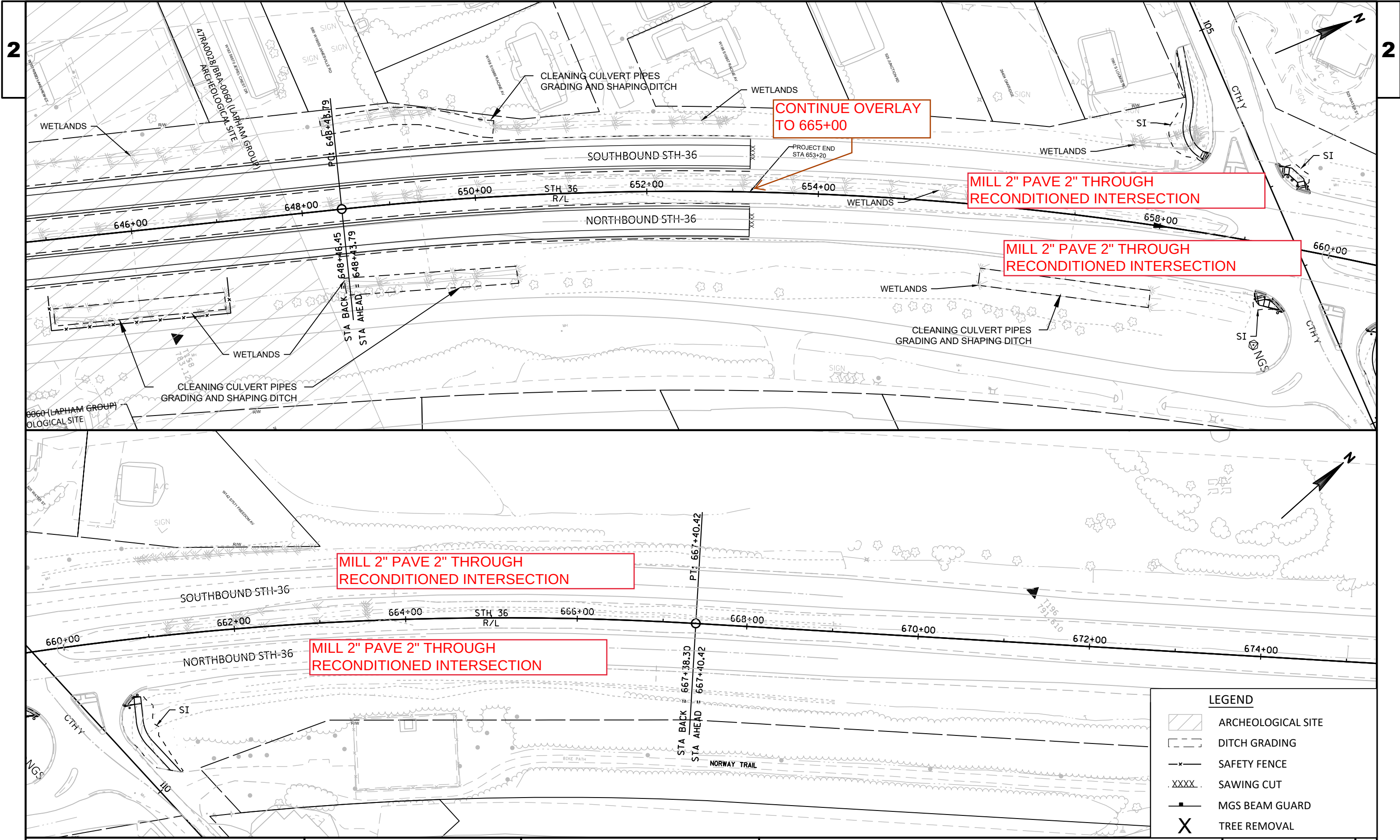


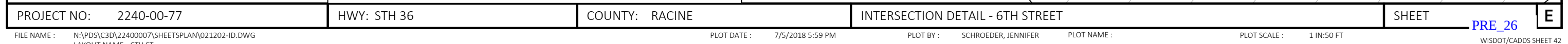


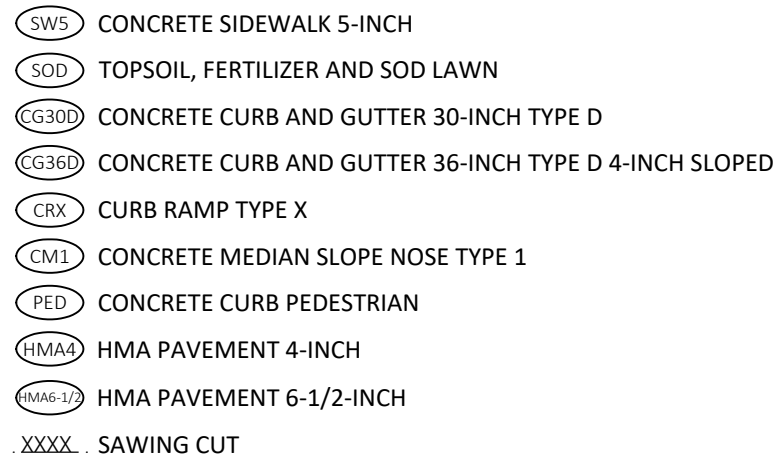


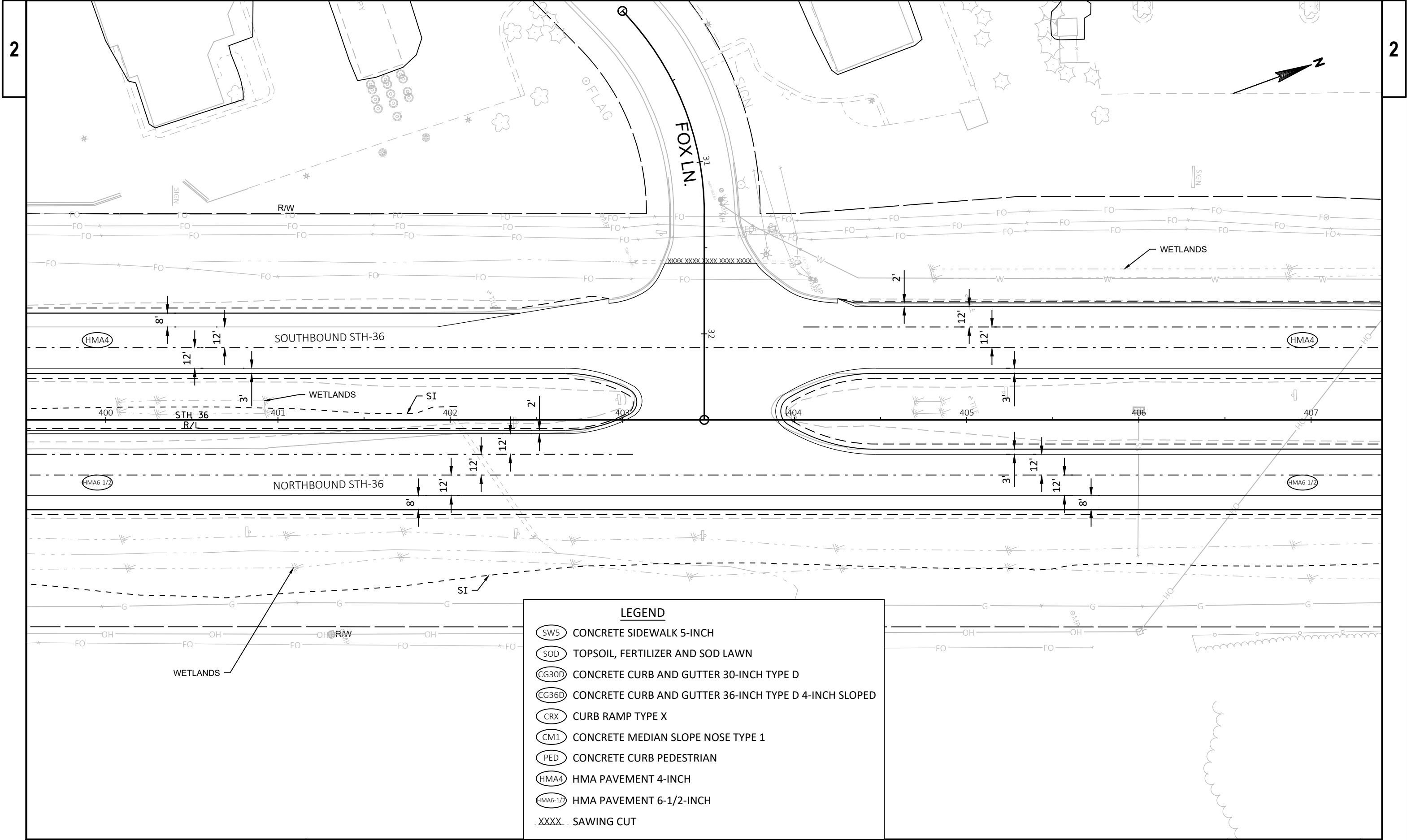
2











LEGEND

SW5

CONCRETE SIDEWALK 5-INCH

SOD

TOPSOIL, FERTILIZER AND SOD LAWN

CG30D

CONCRETE CURB AND GUTTER 30-INCH TYPE D

CG36D

CONCRETE CURB AND GUTTER 36-INCH TYPE D 4-INCH SLOPED

CRX

CURB RAMP TYPE X

CM1

CONCRETE MEDIAN SLOPE NOSE TYPE 1

PED

CONCRETE CURB PEDESTRIAN

HMA4

HMA PAVEMENT 4-INCH

HMA6-1/2

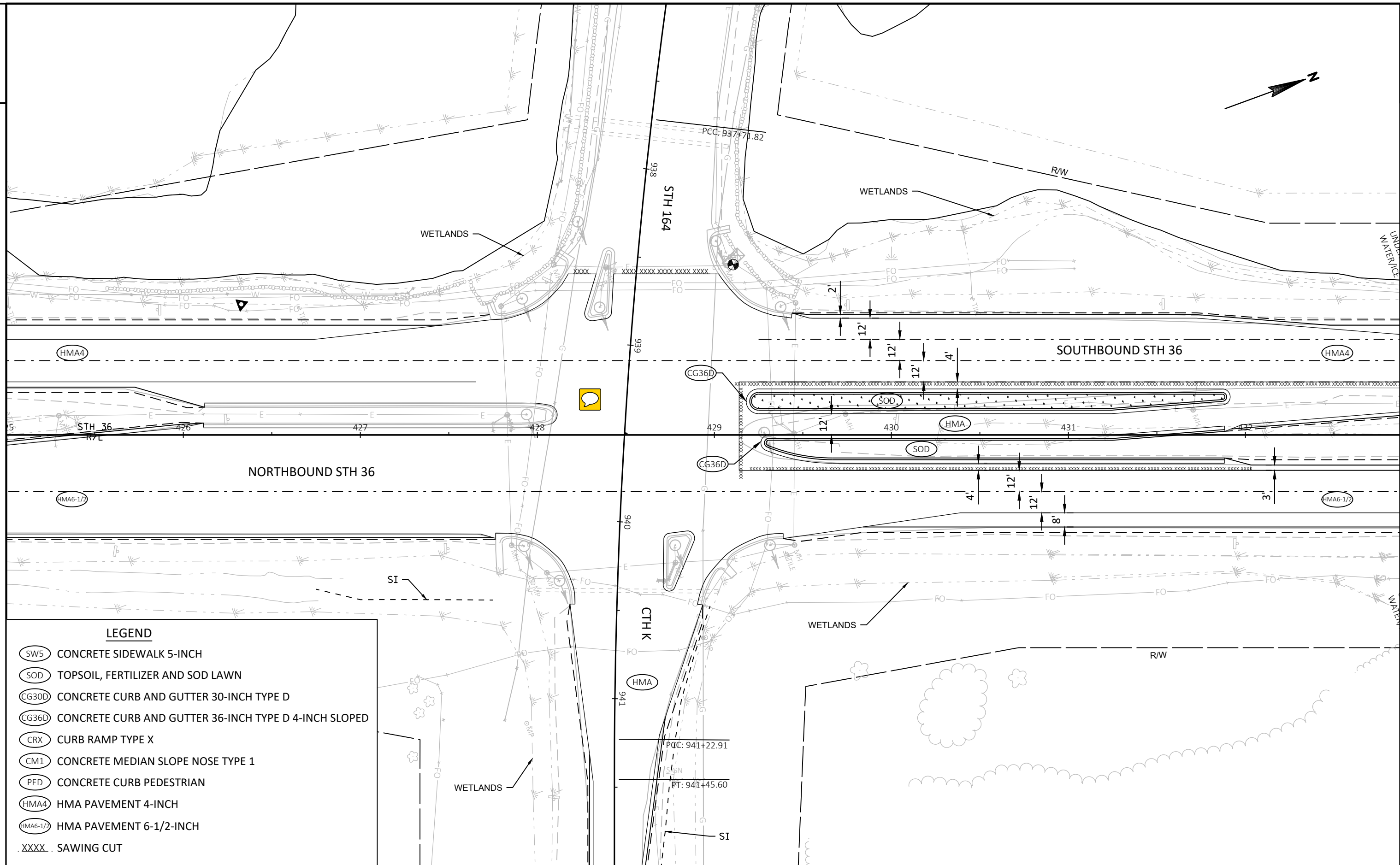
HMA PAVEMENT 6-1/2-INCH

XXXX

SAWING CUT

2

2



LEGEND

- (SW5) CONCRETE SIDEWALK 5-INCH
- (SOD) TOPSOIL, FERTILIZER AND SOD LAWN
- (CG30D) CONCRETE CURB AND GUTTER 30-INCH TYPE D
- (CG36D) CONCRETE CURB AND GUTTER 36-INCH TYPE D 4-INCH SLOPED
- (CRX) CURB RAMP TYPE X
- (CM1) CONCRETE MEDIAN SLOPE NOSE TYPE 1
- (PED) CONCRETE CURB PEDESTRIAN
- (HMA4) HMA PAVEMENT 4-INCH
- (HMA6-1/2) HMA PAVEMENT 6-1/2-INCH
- . XXXX . SAWING CUT

PROJECT NO:	2240-00-77
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HWY: STH 36

COUNTY: RACINE

INTERSECTION DETAIL - STH 164 / CTH K

SHEET

— PRE_29

E

FILE NAME : N:\PDS\C3D\22400007\SHEETSPLAN\021202-ID.DWG
LAYOUT NAME - STH 164-CTH K 1

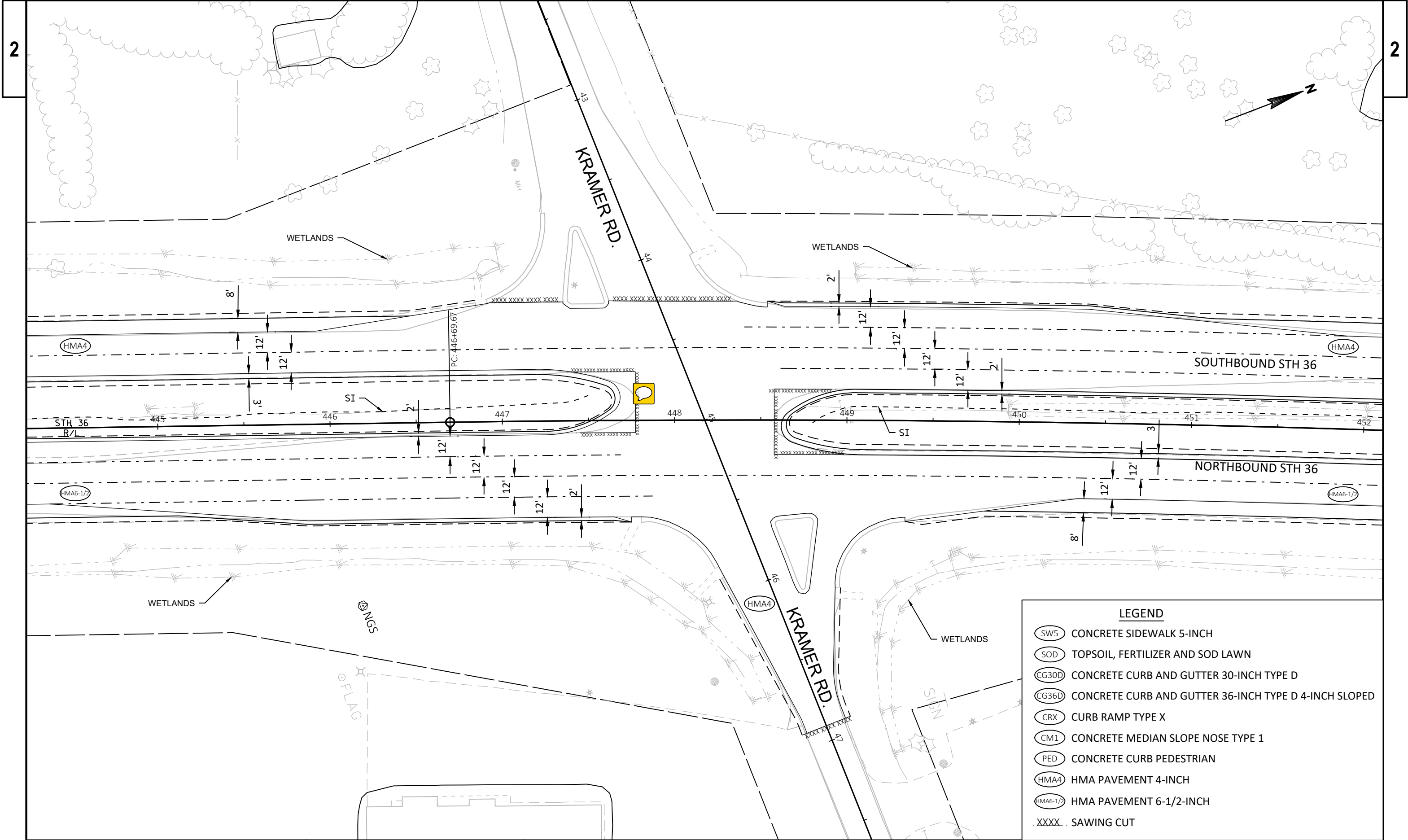
PLOT DATE : 7/5/2018 6:00 PM

PLOT BY : SCHROEDER, JENNIFER

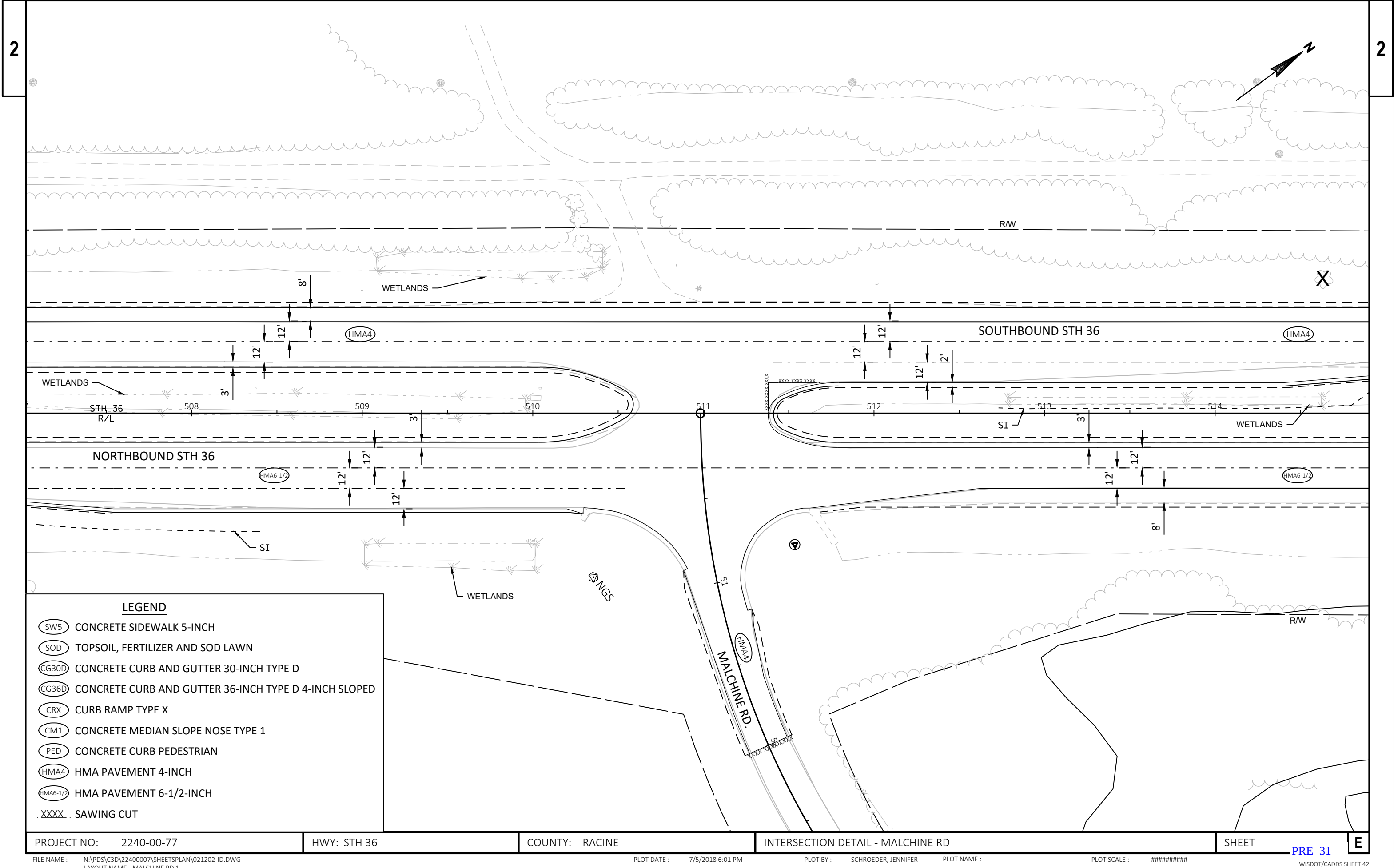
PLOT NAME :

PLOT SCALE : #####

WISDOT/CADDS SHEET 42



LEGEND	
(SW5)	CONCRETE SIDEWALK 5-INCH
(SOD)	TOPSOIL, FERTILIZER AND SOD LAWN
(CG30D)	CONCRETE CURB AND GUTTER 30-INCH TYPE D
(CG36D)	CONCRETE CURB AND GUTTER 36-INCH TYPE D 4-INCH SLOPED
(CRX)	CURB RAMP TYPE X
(CM1)	CONCRETE MEDIAN SLOPE NOSE TYPE 1
(PED)	CONCRETE CURB PEDESTRIAN
(HMA4)	HMA PAVEMENT 4-INCH
(HMA6-1/2)	HMA PAVEMENT 6-1/2-INCH
.XXXX.	SAWING CUT



LEGEND

SW5

CONCRETE SIDEWALK 5-INCH

SOD

TOPSOIL, FERTILIZER AND SOD LAWN

CG30D

CONCRETE CURB AND GUTTER 30-INCH TYPE D

CG36D

CONCRETE CURB AND GUTTER 36-INCH TYPE D 4-INCH SLOPED

CRX

CURB RAMP TYPE X

CM1

CONCRETE MEDIAN SLOPE NOSE TYPE 1

PED

CONCRETE CURB PEDESTRIAN

HMA4

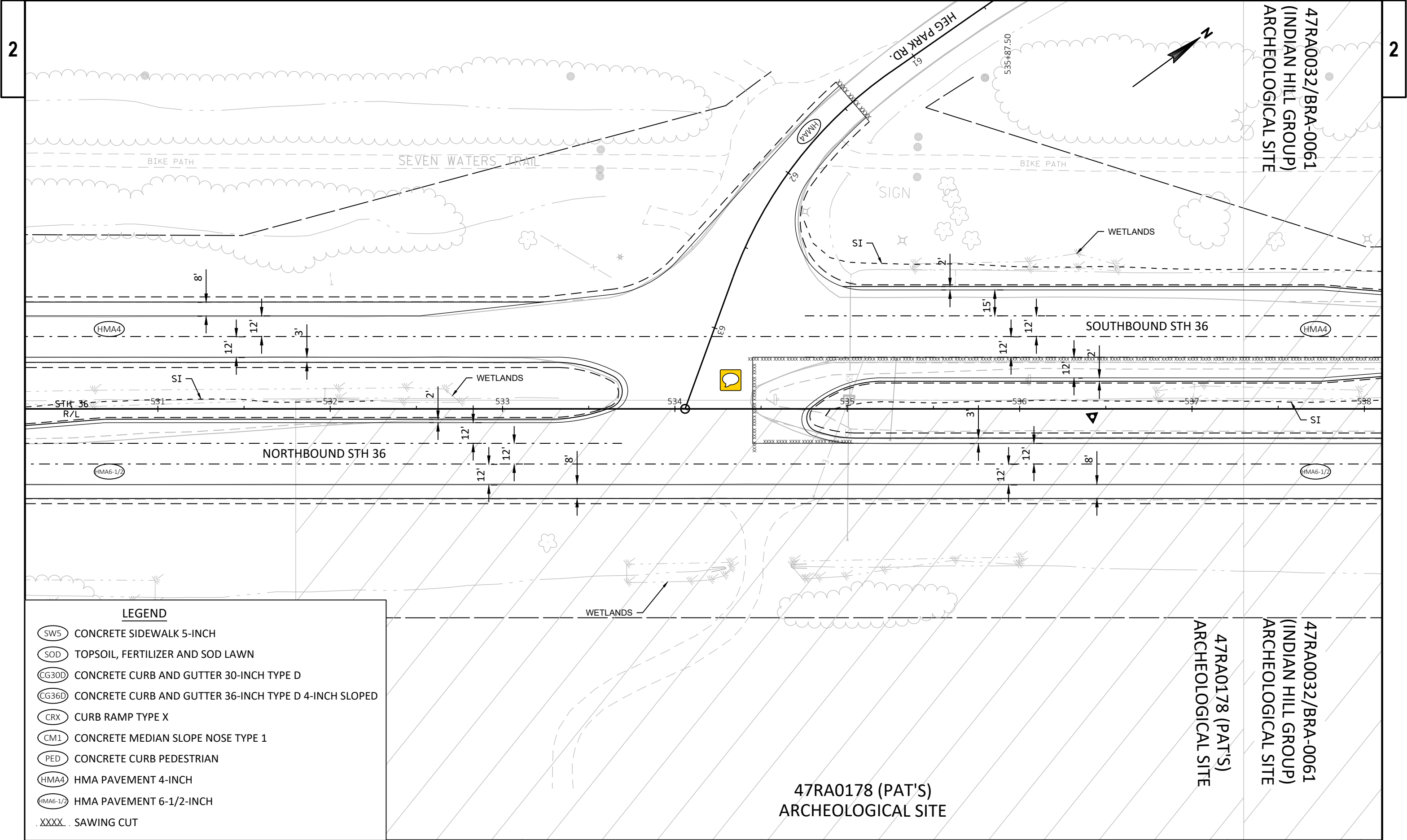
HMA PAVEMENT 4-INCH

HMA6-1/2

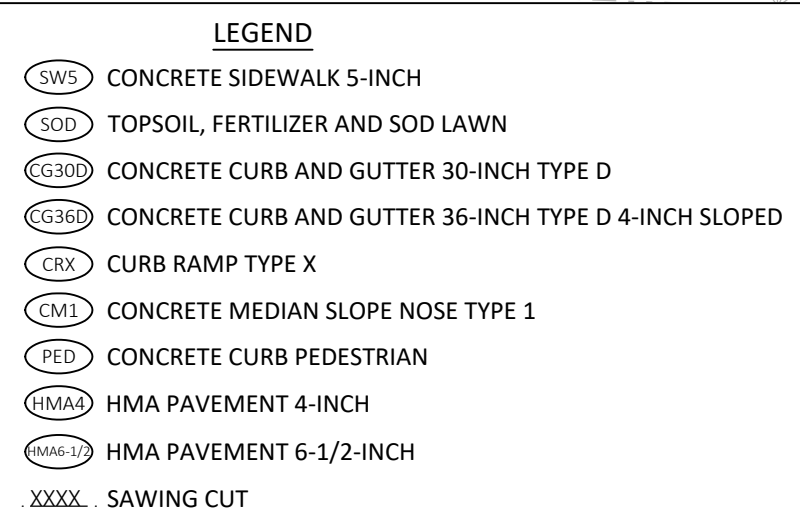
HMA PAVEMENT 6-1/2-INCH

.XXXX.

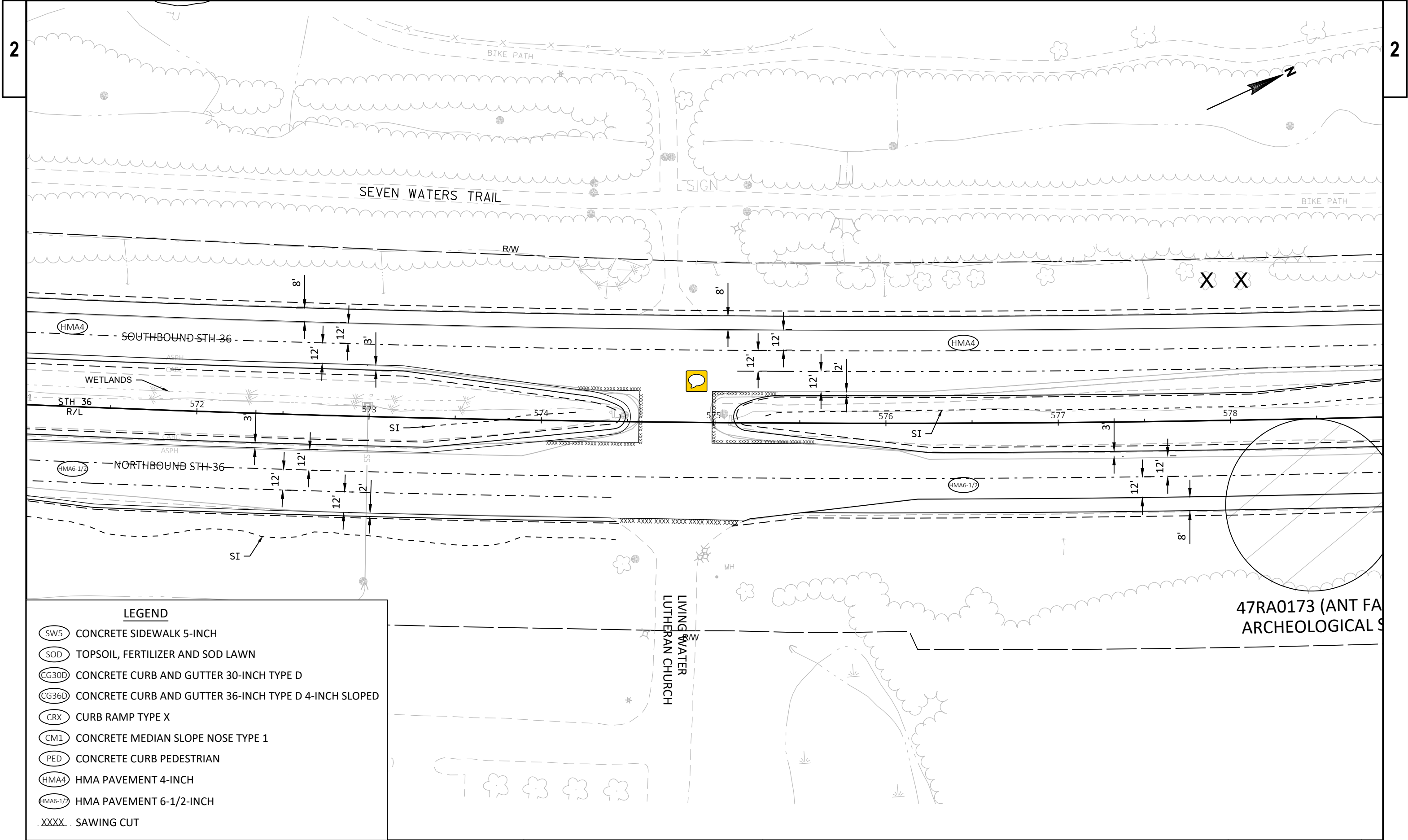
SAWING CUT



2



FILE NAME : N:\PDS\C3D\22400007\SHEETS\PLAN\021202-ID.DWG PLOT DATE : 7/5/2018 6:02 PM PLOT BY : SCHROEDER, JENNIFER PLOT NAME :
LAYOUT NAME - HILLCREST RD 1 PLOT SCALE : ##### WISDOT/CADDs SHEET 42



LEGEND

SW5

CONCRETE SIDEWALK 5-INCH

SOD

TOPSOIL, FERTILIZER AND SOD LAWN

CG30D

CONCRETE CURB AND GUTTER 30-INCH TYPE D

CG36D

CONCRETE CURB AND GUTTER 36-INCH TYPE D 4-INCH SLOPED

CRX

CURB RAMP TYPE X

CM1

CONCRETE MEDIAN SLOPE NOSE TYPE 1

PED

CONCRETE CURB PEDESTRIAN

HMA4

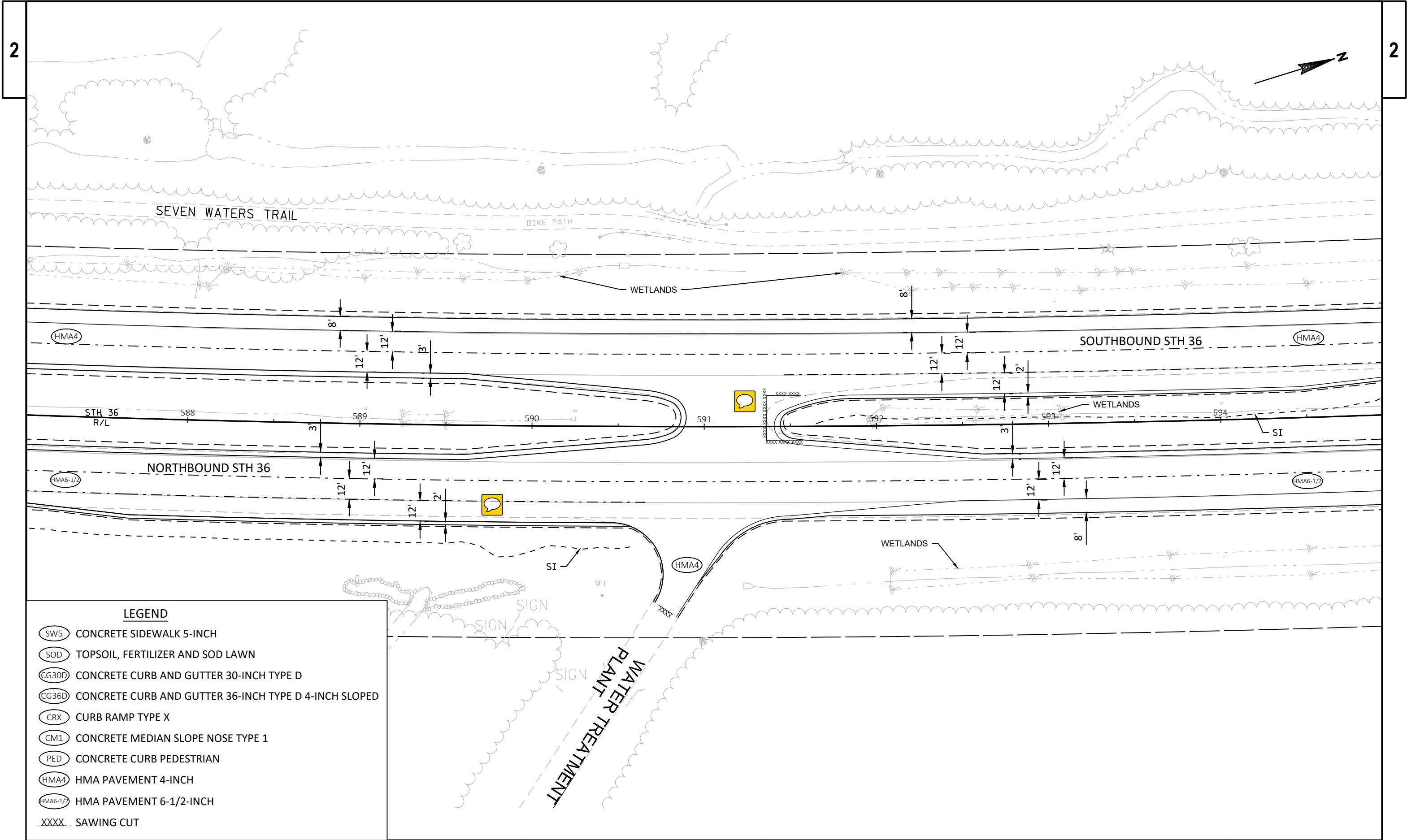
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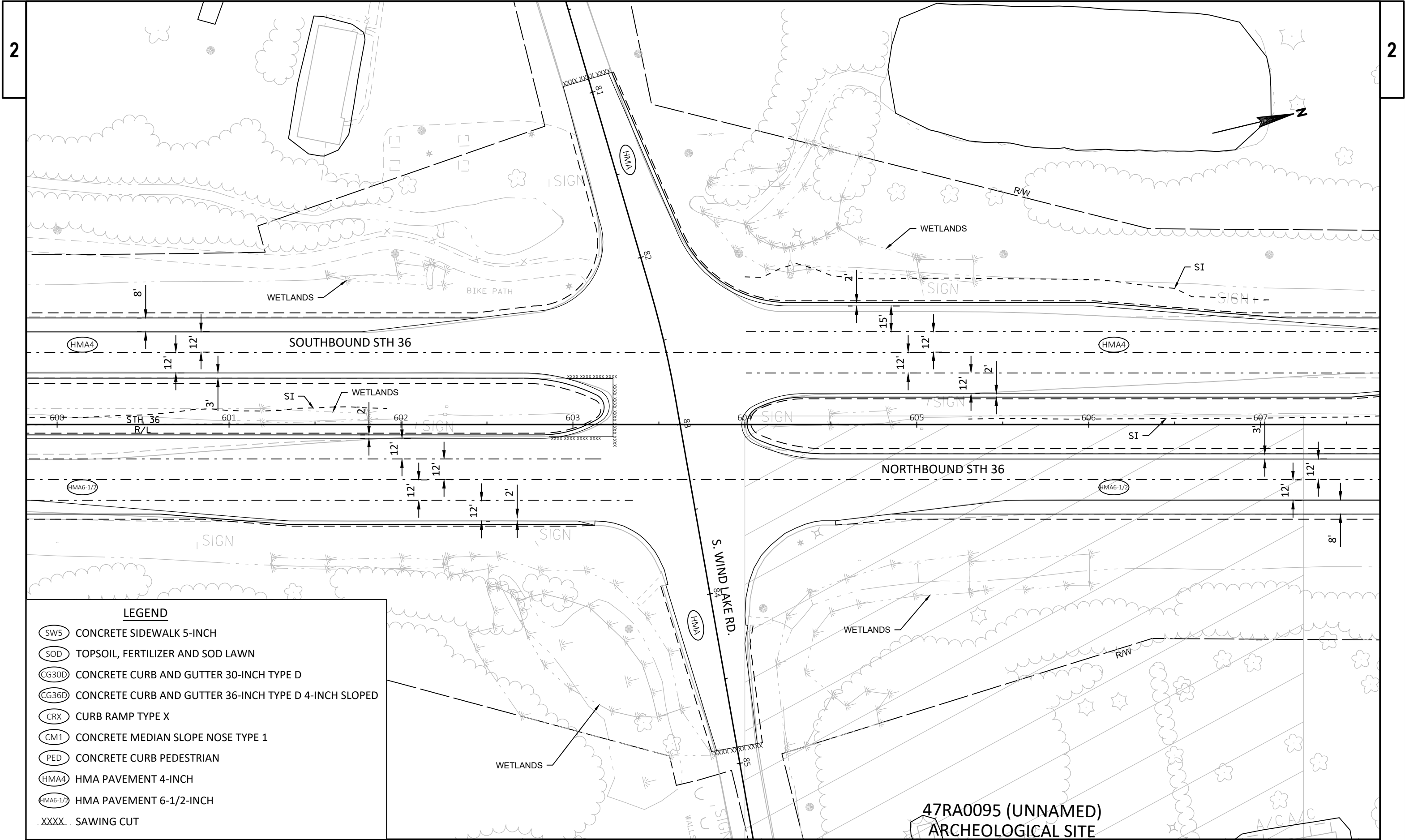
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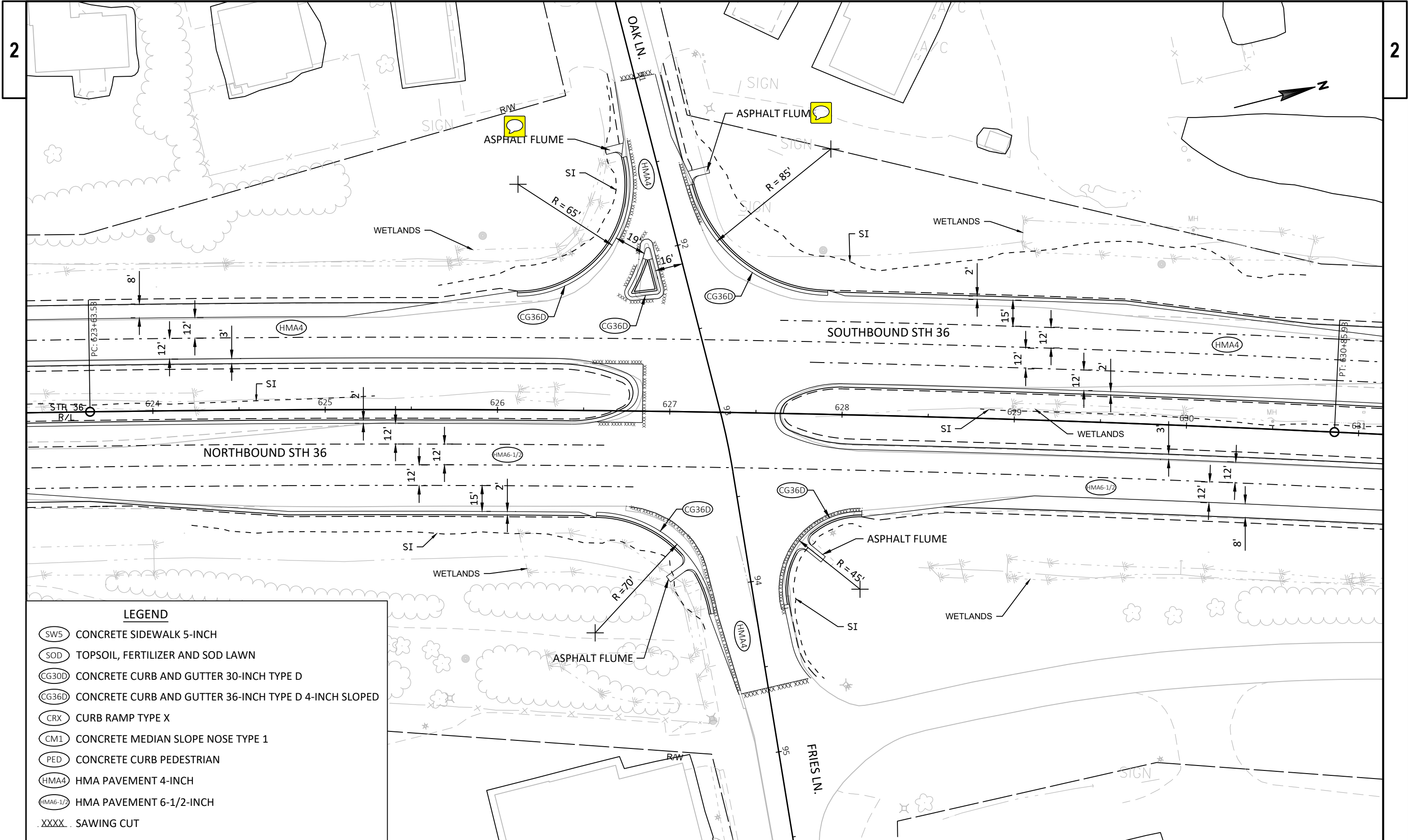
HMA PAVEMENT 6-1/2-INCH

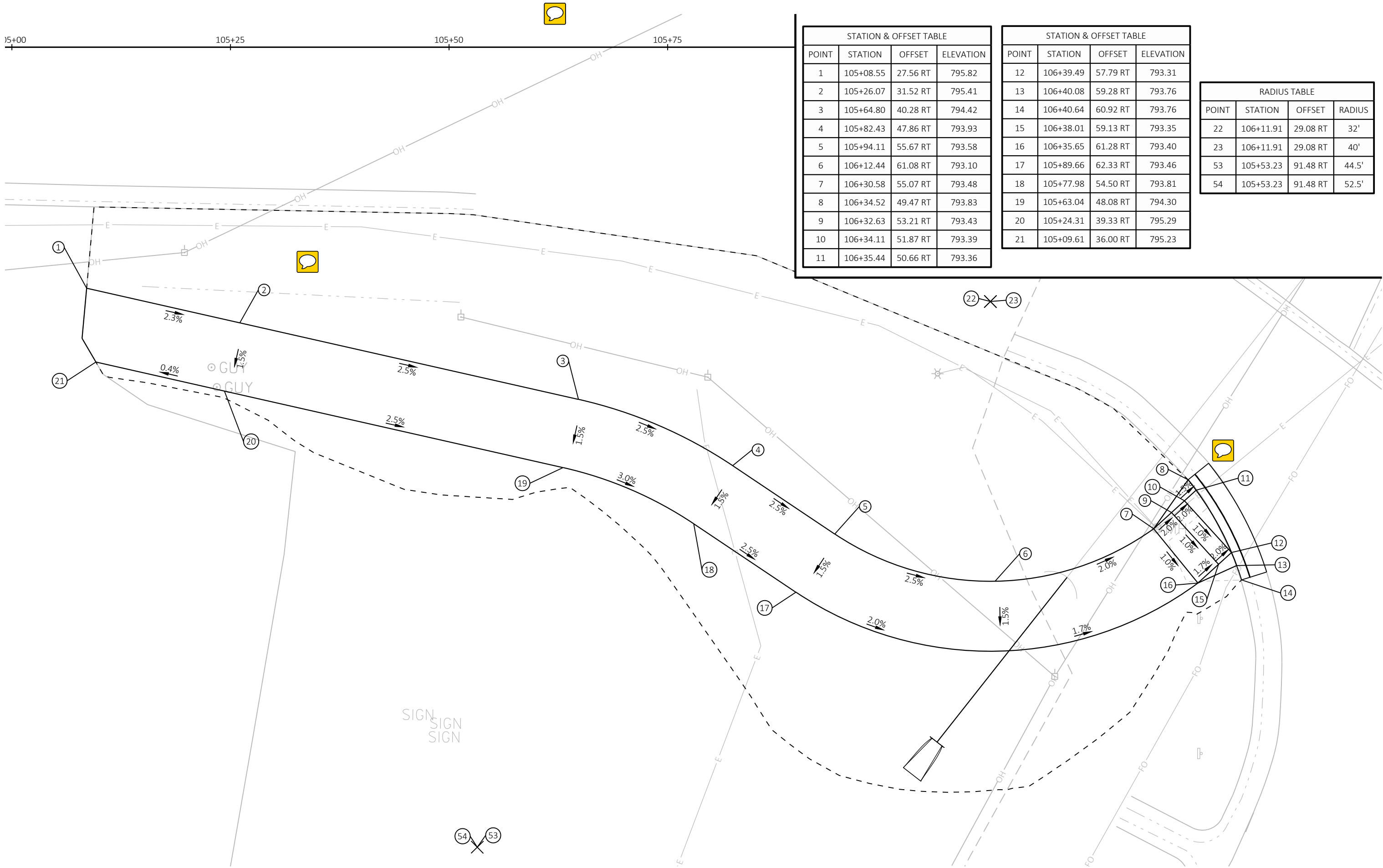
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SAWING CUT





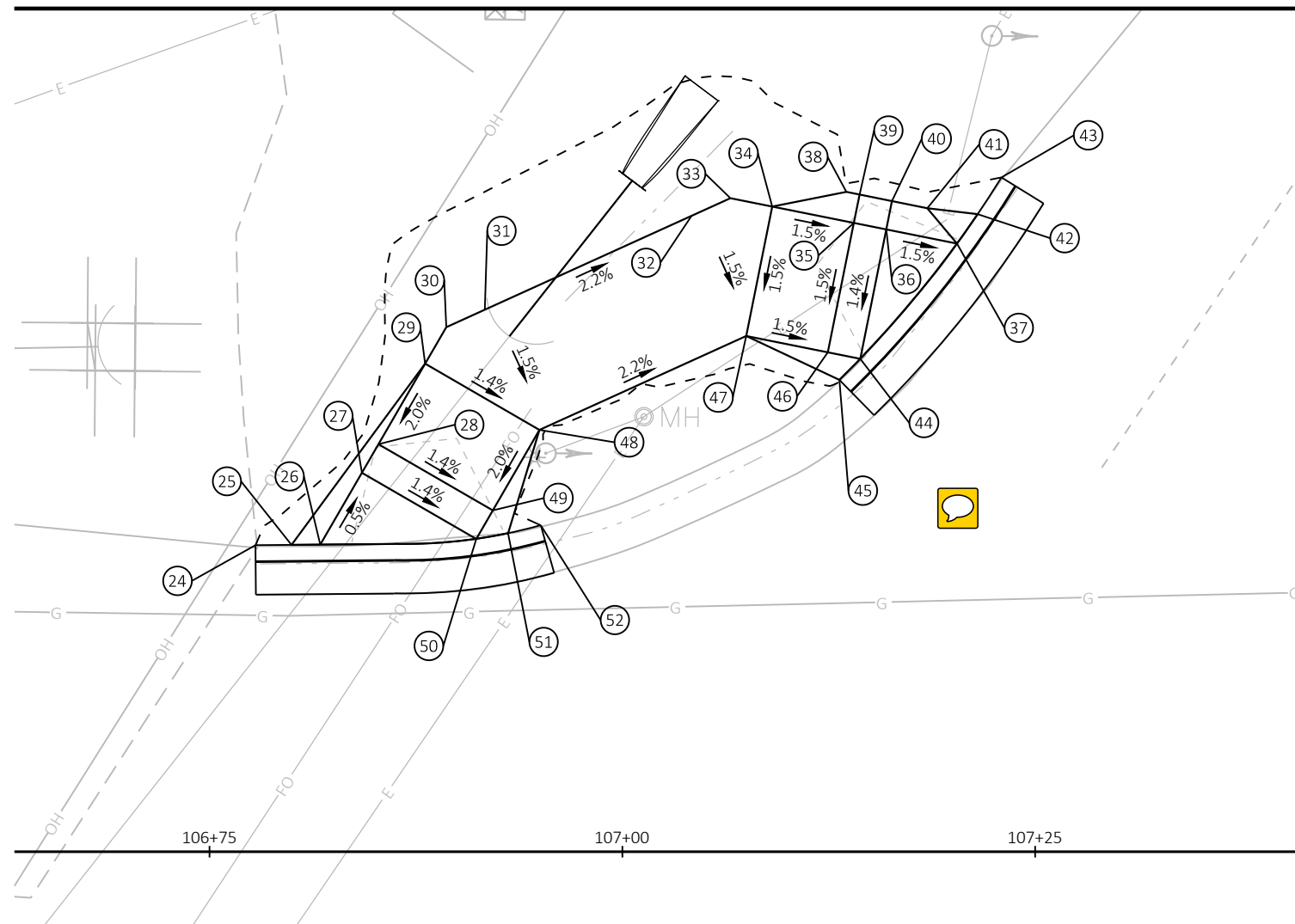




STATION & OFFSET TABLE				STATION & OFFSET TABLE				STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION	POINT	STATION	OFFSET	ELEVATION	POINT	STATION	OFFSET	ELEVATION
24	106+77.78	18.57 LT	793.90	34	107+09.08	39.09 LT	793.67	44	107+14.41	29.86 LT	793.46
25	106+79.97	18.59 LT	794.33	35	107+14.02	38.09 LT	793.60	45	107+13.14	28.58 LT	793.94
26	106+81.71	18.60 LT	793.85	36	107+15.98	37.70 LT	793.57	46	107+12.45	30.25 LT	793.48
27	106+84.23	22.95 LT	793.82	37	107+20.27	36.84 LT	793.50	47	107+07.50	31.24 LT	793.55
28	106+85.23	24.69 LT	793.86	38	107+13.57	39.97 LT	793.63	48	106+94.98	25.55 LT	793.86
29	106+88.06	29.56 LT	793.97	39	107+14.37	39.81 LT	793.62	49	106+92.15	20.67 LT	793.75
30	106+89.34	31.78 LT	793.98	40	107+16.33	39.42 LT	793.59	50	106+91.15	18.94 LT	793.71
31	106+91.67	32.84 LT	793.98	41	107+18.47	38.99 LT	793.56	51	106+93.08	19.29 LT	794.13
32	107+04.19	38.53 LT	793.67	42	107+21.52	38.63 LT	793.97	52	106+95.06	19.77 LT	794.12
33	107+06.55	39.59 LT	793.68	43	107+22.96	40.85 LT	793.53				

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
56	108+13.77	55.92 RT	792.26
57	108+12.36	57.18 RT	791.81
58	108+14.32	57.55 RT	791.84
59	108+17.28	58.11 RT	791.88
60	108+20.99	53.10 RT	791.75
61	108+20.71	50.95 RT	792.15
62	108+23.76	49.36 RT	791.68
63	108+39.06	44.65 RT	791.97
64	108+36.93	45.02 RT	791.53
65	108+35.13	47.44 RT	791.58
66	108+30.19	54.12 RT	791.70

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
67	108+27.42	57.86 RT	791.77
68	108+23.71	62.87 RT	791.96
69	108+20.73	66.90 RT	792.02
70	108+15.80	65.97 RT	792.00
71	108+15.34	68.43 RT	792.04
72	108+12.38	67.87 RT	791.99
73	108+12.84	65.42 RT	791.96
74	108+10.87	65.05 RT	791.93
75	108+10.41	67.50 RT	791.96
76	108+05.43	65.55 RT	791.90
77	108+06.32	64.19 RT	791.89



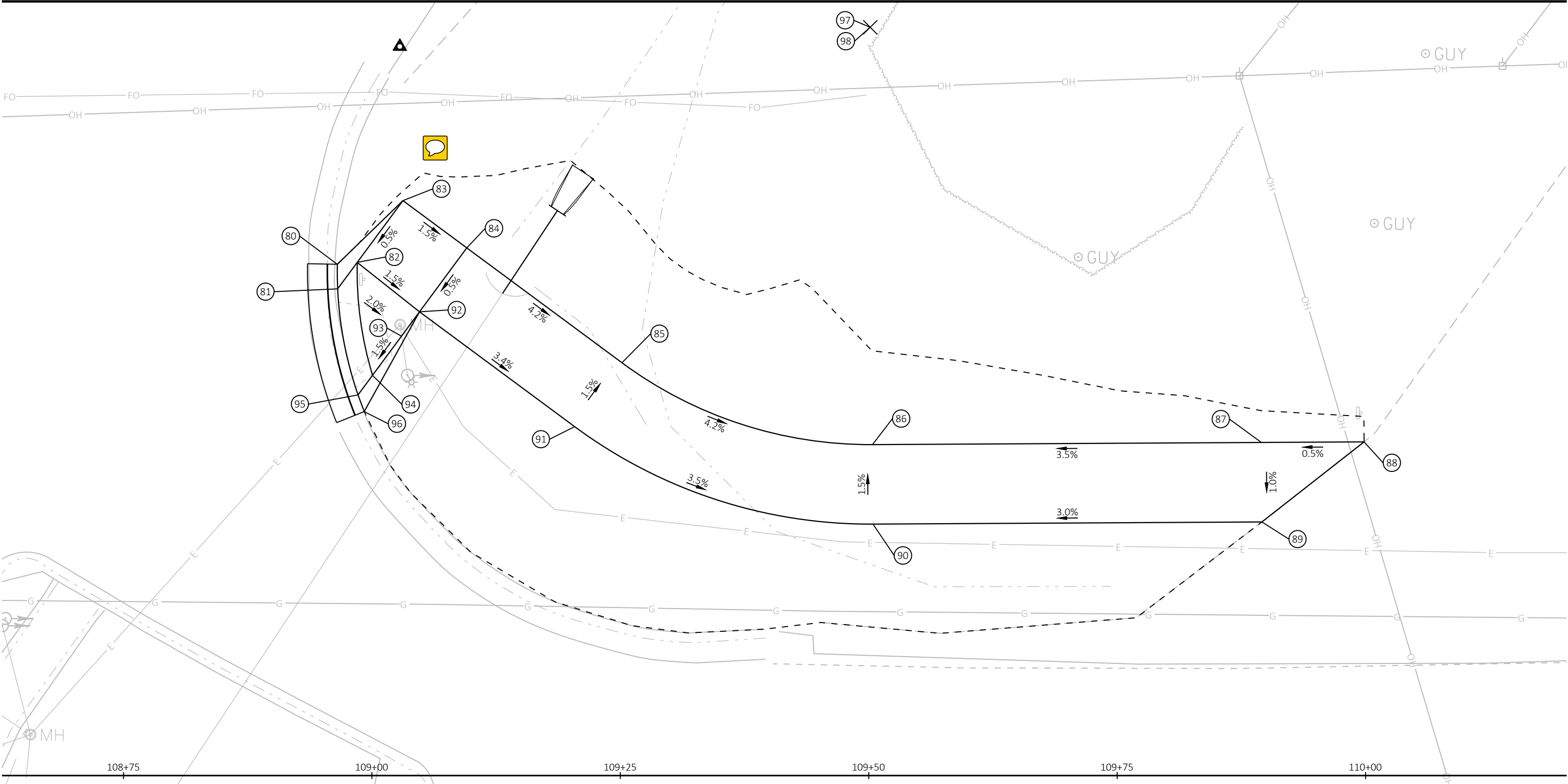
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POINT	STATION	OFFSET	ELEVATION
80	108+96.51	51.46 LT	792.25
81	108+96.54	48.98 LT	791.76
82	108+98.52	51.64 LT	791.76
83	109+03.12	57.86 LT	791.80
84	109+09.55	53.10 LT	791.68

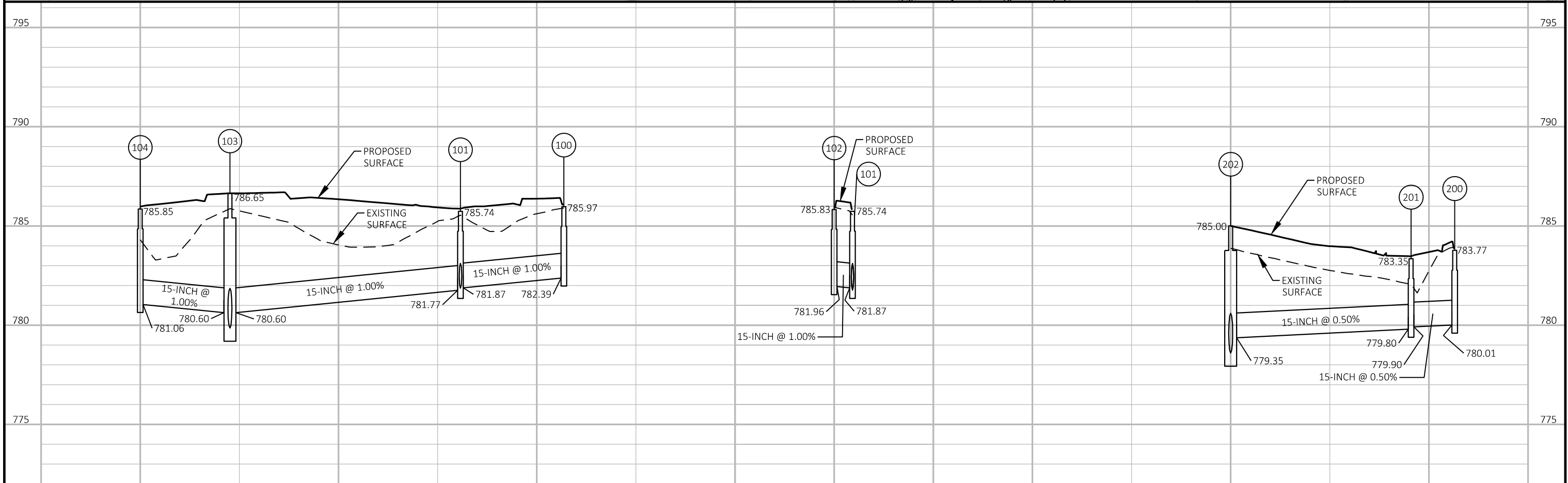
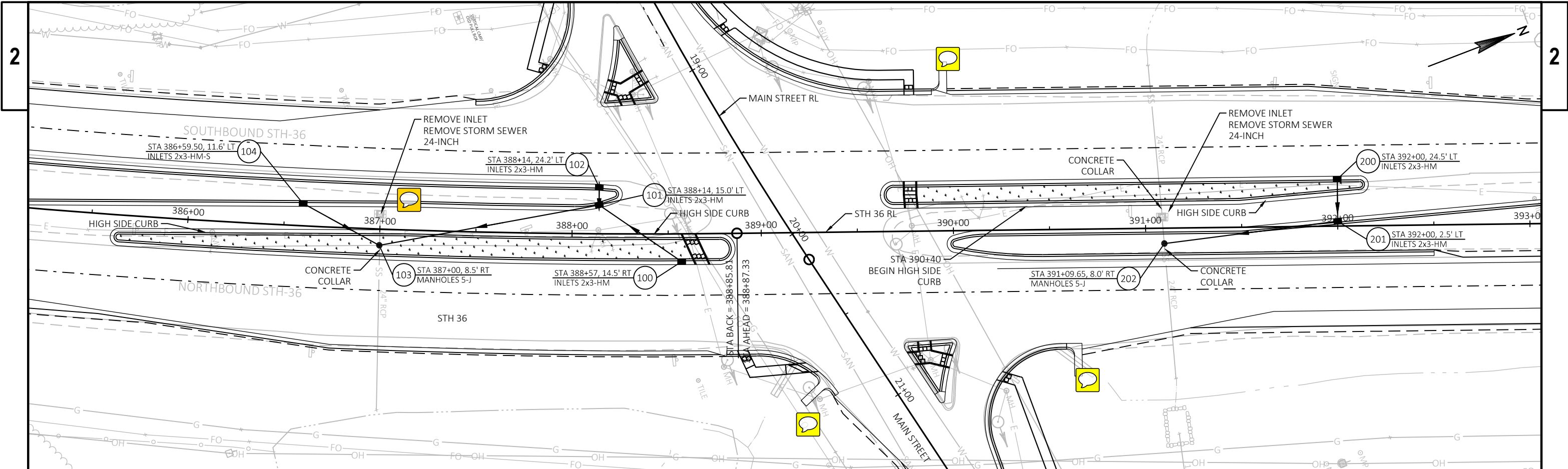
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POINT	STATION	OFFSET	ELEVATION
85	109+25.16	41.55 LT	790.85
86	109+50.38	33.31 LT	789.73
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88	109+99.85	33.58 LT	791.15
89	109+89.56	25.53 LT	791.02

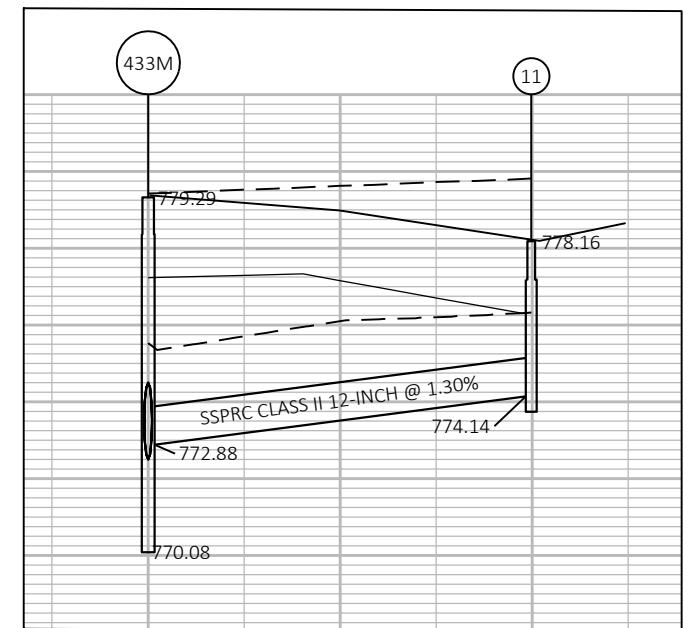
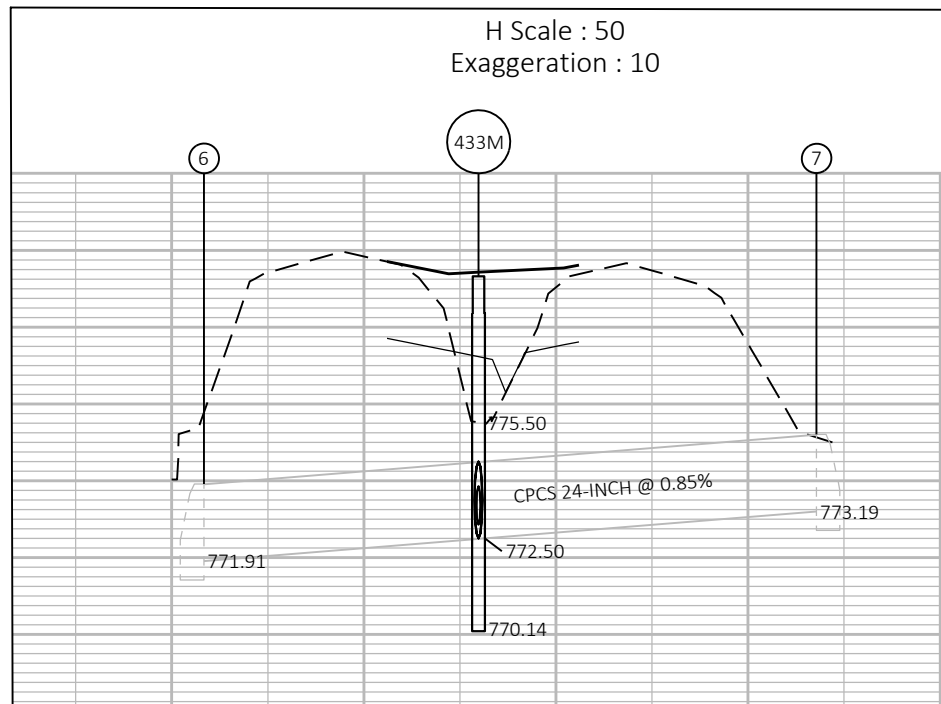
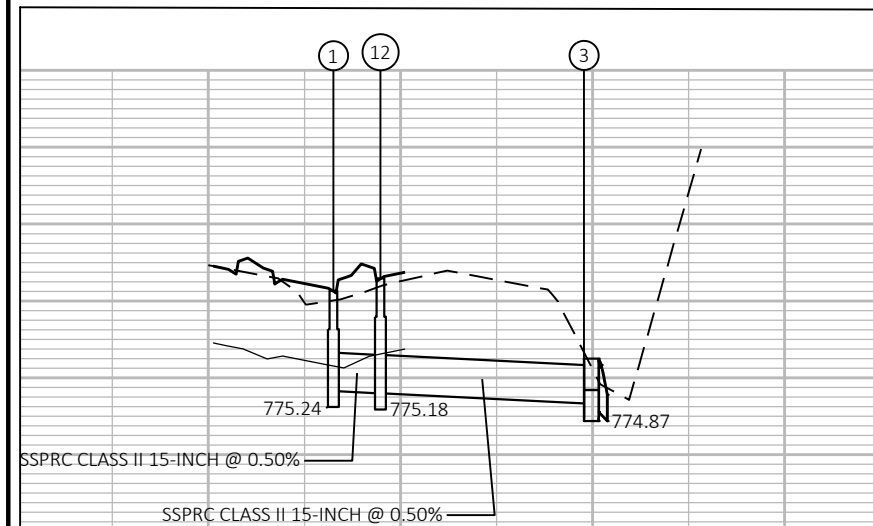
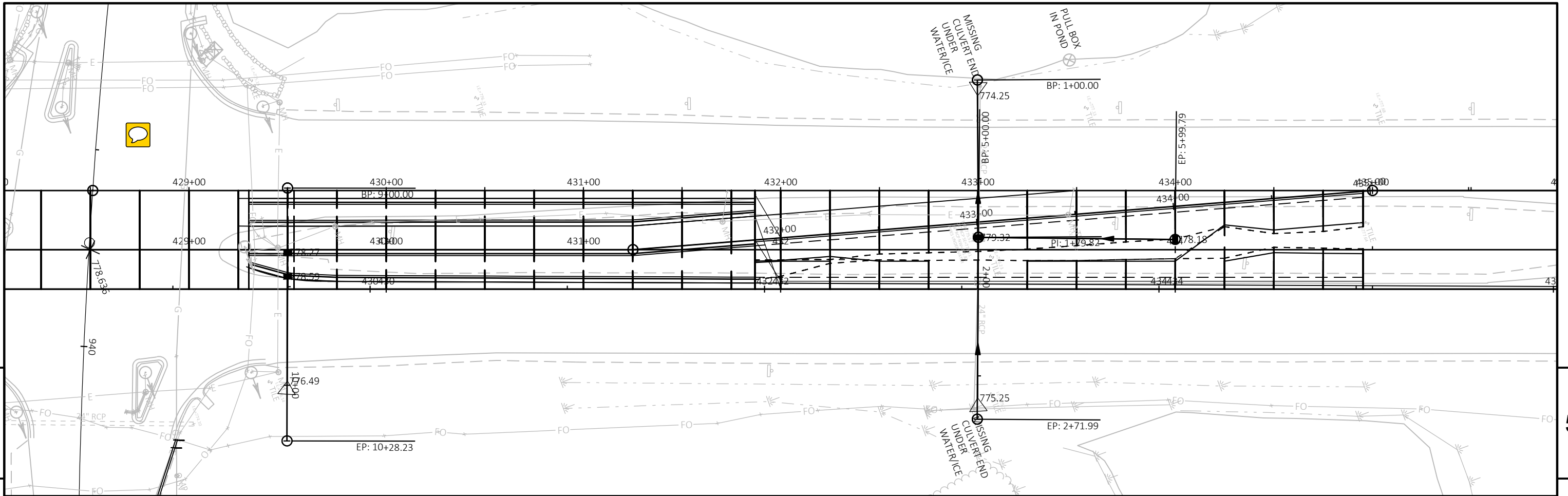
STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
90	109+50.43	25.31 LT	789.85
91	109+20.40	35.12 LT	790.97
92	109+04.79	46.67 LT	791.64
93	109+02.97	44.22 LT	791.59
94	109+00.06	40.28 LT	791.52

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	ELEVATION
95	108+98.60	38.30 LT	791.48
96	108+99.22	36.63 LT	791.89

RADIUS TABLE			
POINT	STATION	OFFSET	RADIUS
97	109+50.15	75.31 LT	42.0'
98	109+50.15	75.31 LT	50.0'



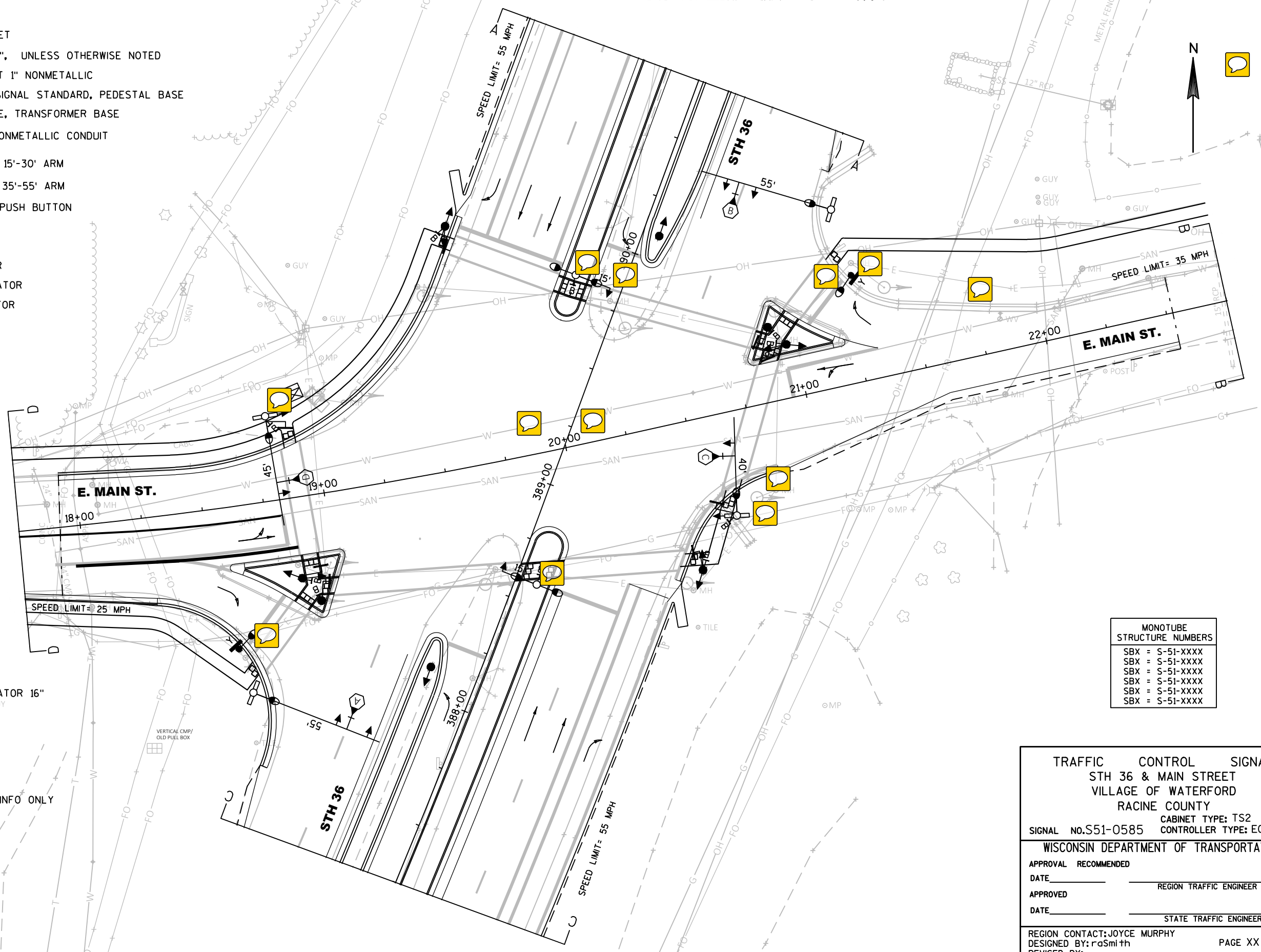




LEGEND

- ☒ TRAFFIC CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- ◀● SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- * □ * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- (XX) ○ MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) ○ MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

- ◡ WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- ⊗ EVP DESIGNATOR
- ⊕ EVP DETECTOR HEAD
- ⊖ YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY



MONOTUBE STRUCTURE NUMBERS	
SBX	= S-51-XXXX
SBX	= S-51-XXXX
SBX	= S-51-XXXX
SBX	= S-51-XXXX
SBX	= S-51-XXXX
SBX	= S-51-XXXX

TRAFFIC CONTROL SIGNAL	
STH 36 & MAIN STREET	
VILLAGE OF WATERFORD	
RACINE COUNTY	
SIGNAL NO. S51-0585	CABINET TYPE: TS2 CONTROLLER TYPE: ECONOLITE
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL	RECOMMENDED
DATE	REGION TRAFFIC ENGINEER
APPROVED	
DATE	STATE TRAFFIC ENGINEER
REGION CONTACT: JOYCE MURPHY	
DESIGNED BY: raSmith	PAGE XX OF XX
REVISED BY:	

PROJECT NO: 2240-00-77

HWY: STH 36

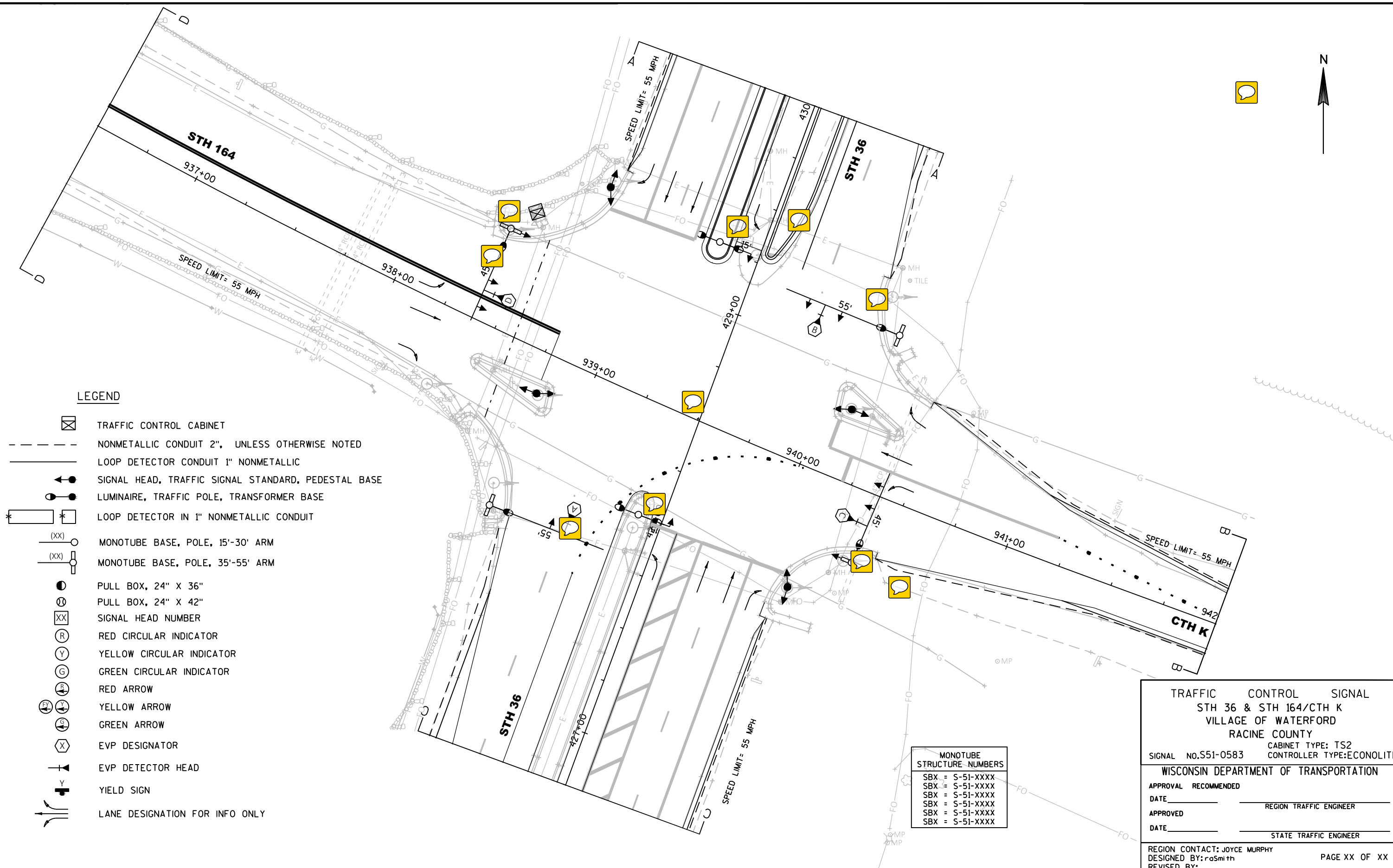
COUNTY: RACINE

TRAFFIC SIGNAL PLAN

SHEET

PRE_43

E



PROJECT NO:2240-00-77

HWY:STH 36

COUNTY:RACINE

TRAFFIC SIGNAL PLAN

SHEET

PRE_44

E

FILE NAME : T:\1162705.03\TRAFFIC\SIGNAL DESIGN\024201-SP.DWG
LAYOUT NAME - 024201-SP - STH36-STH164

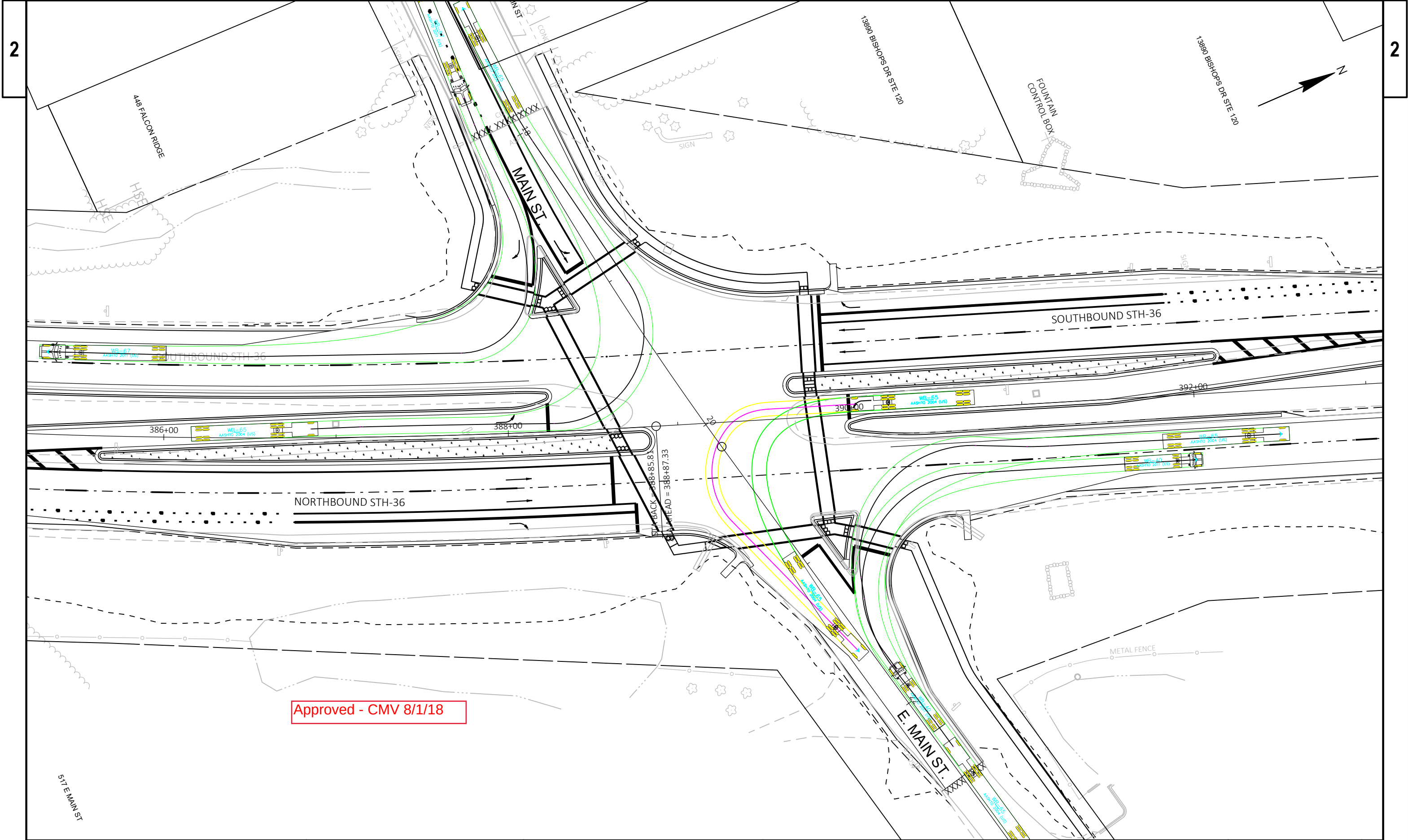
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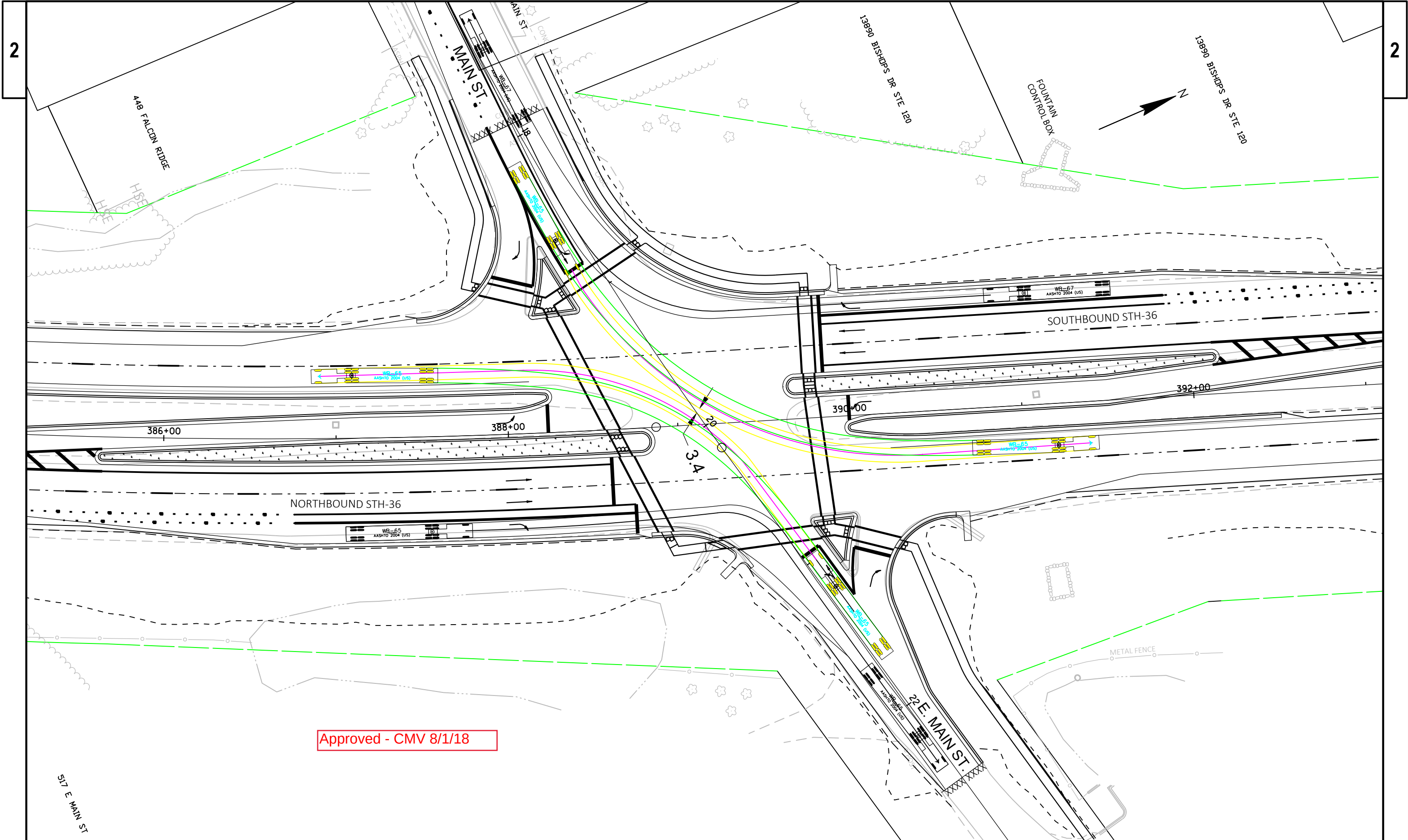
PLOT BY : BECKENDORF, RANDY

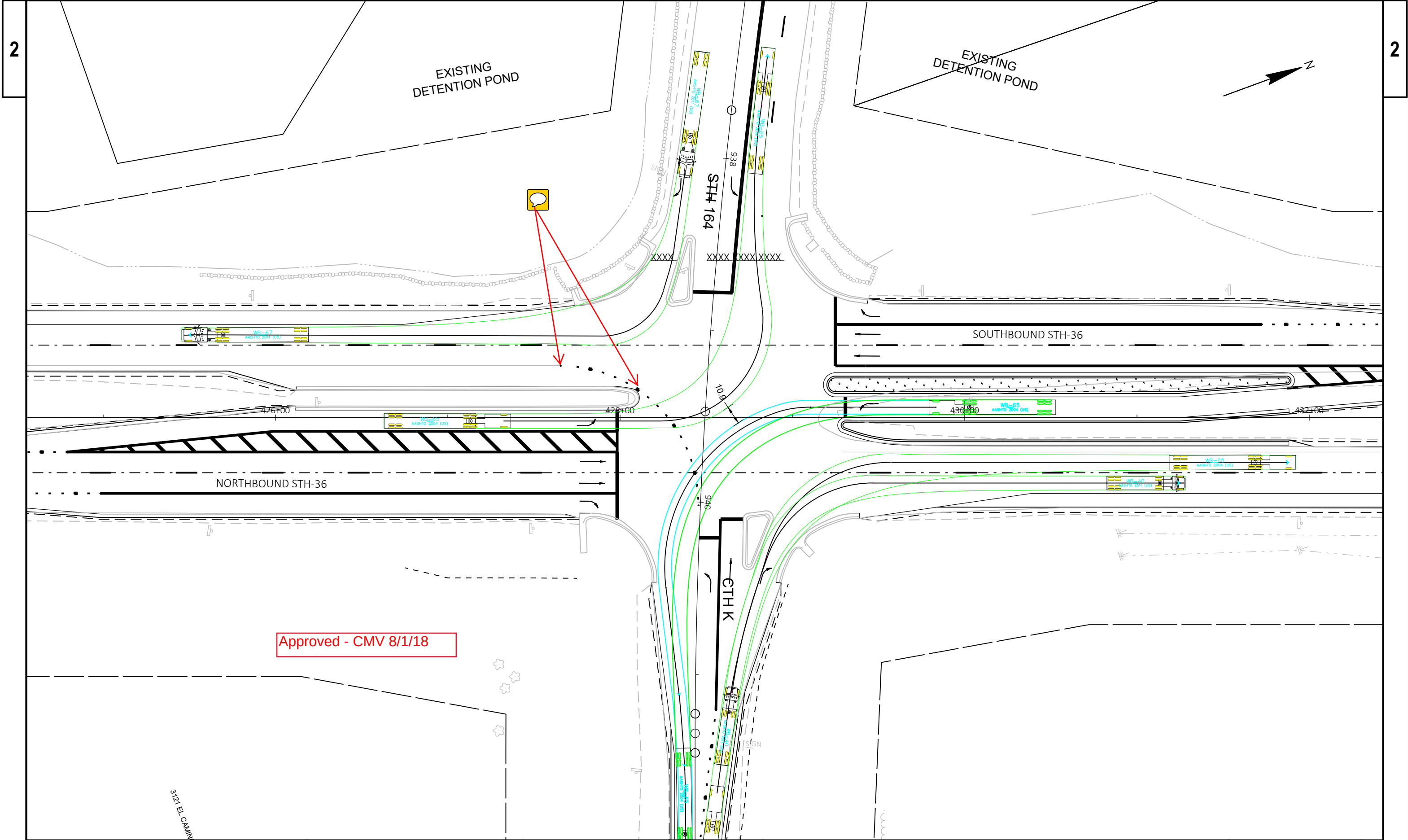
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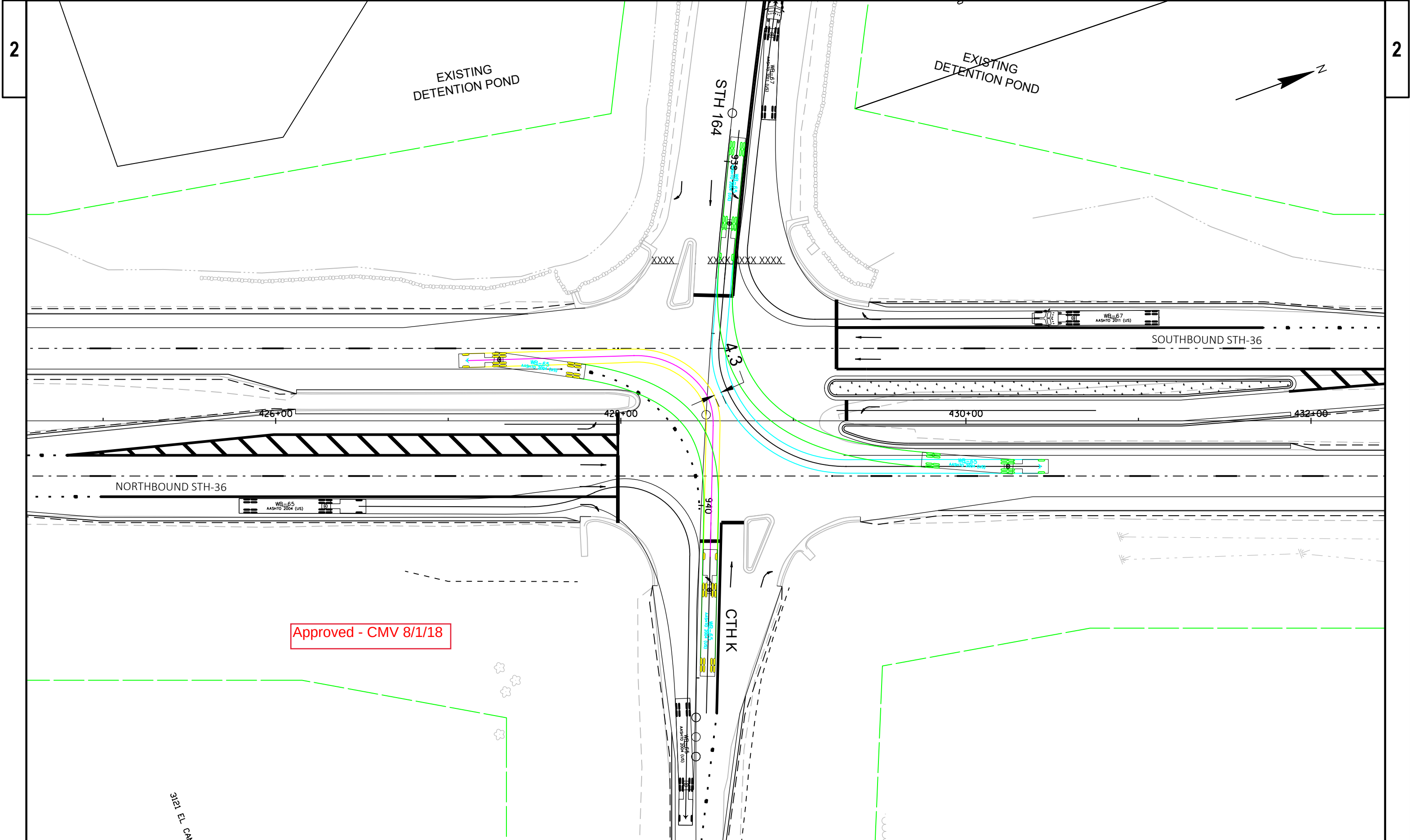
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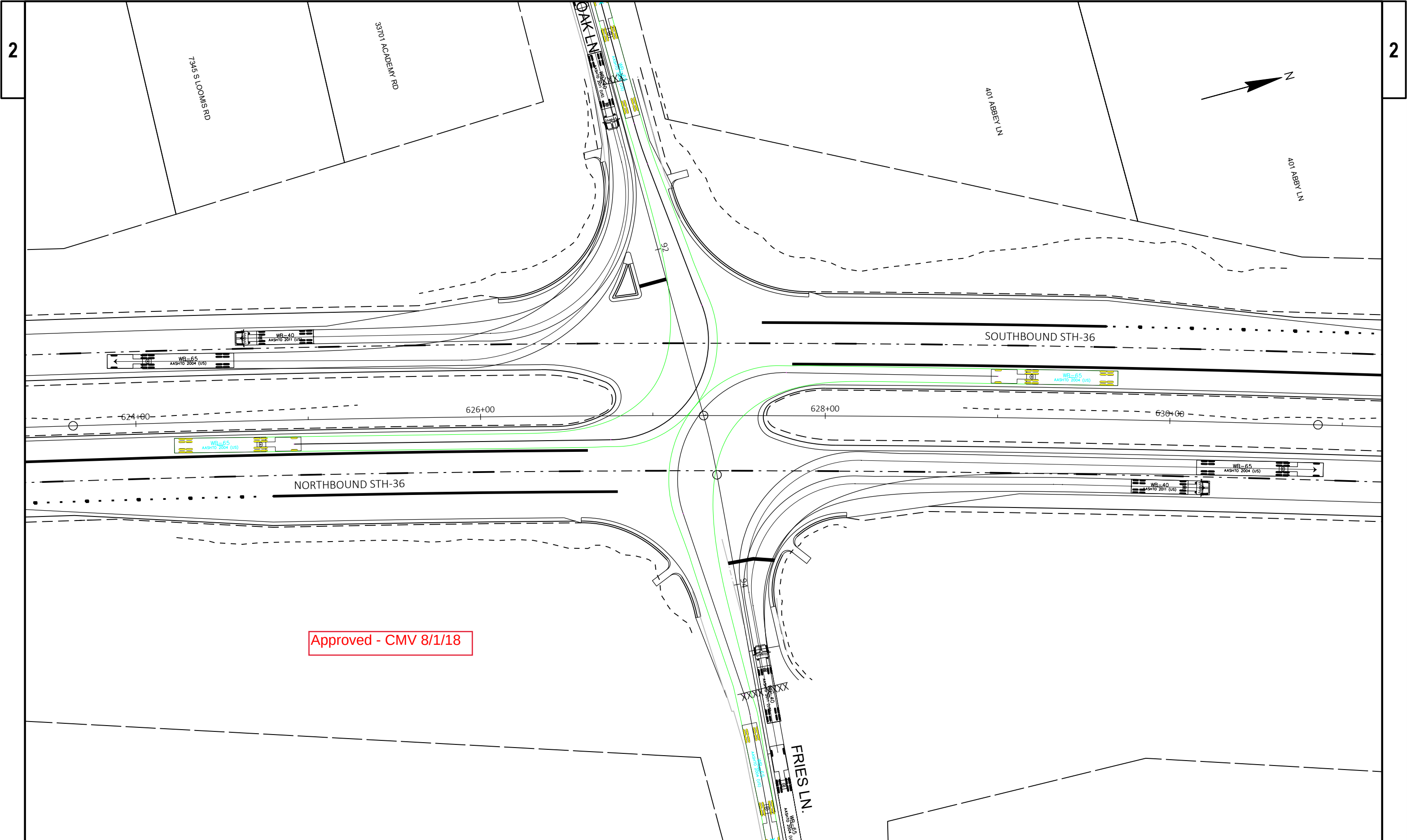
WISDOT/CADDs SHEET 42







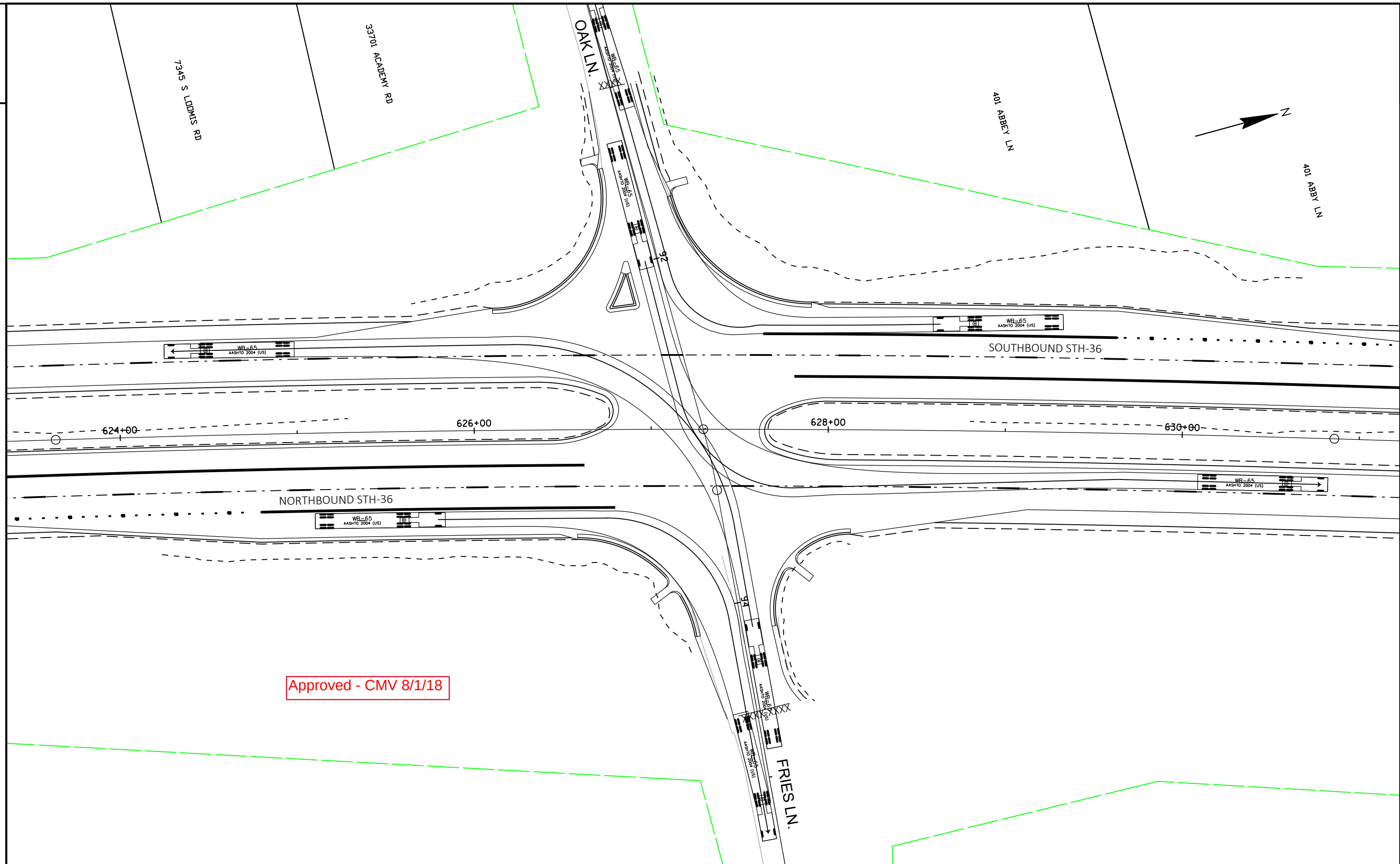




PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	TRUCK TURNS - CHECK VEH - OAK LN / FRIES LN	SHEET	PRE_49	E
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2

2



PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

TRUCK TURNS - CHECK VEH - OAK LN / FRIES LN

SHEET 0050

E

FILE NAME : N:\PDS\C3D\22400007\DESIGN\EDGELINES\TRUCK TURNS\22400007_TRUCK TURNS_CHECK VEH_SIDEStreets.DWG
LAYOUT NAME - CHECK VEH Side Streets - (3)

PLOT DATE : 6/1/2018 2:42 PM PLOT BY : SCHROEDER, JENNIFER

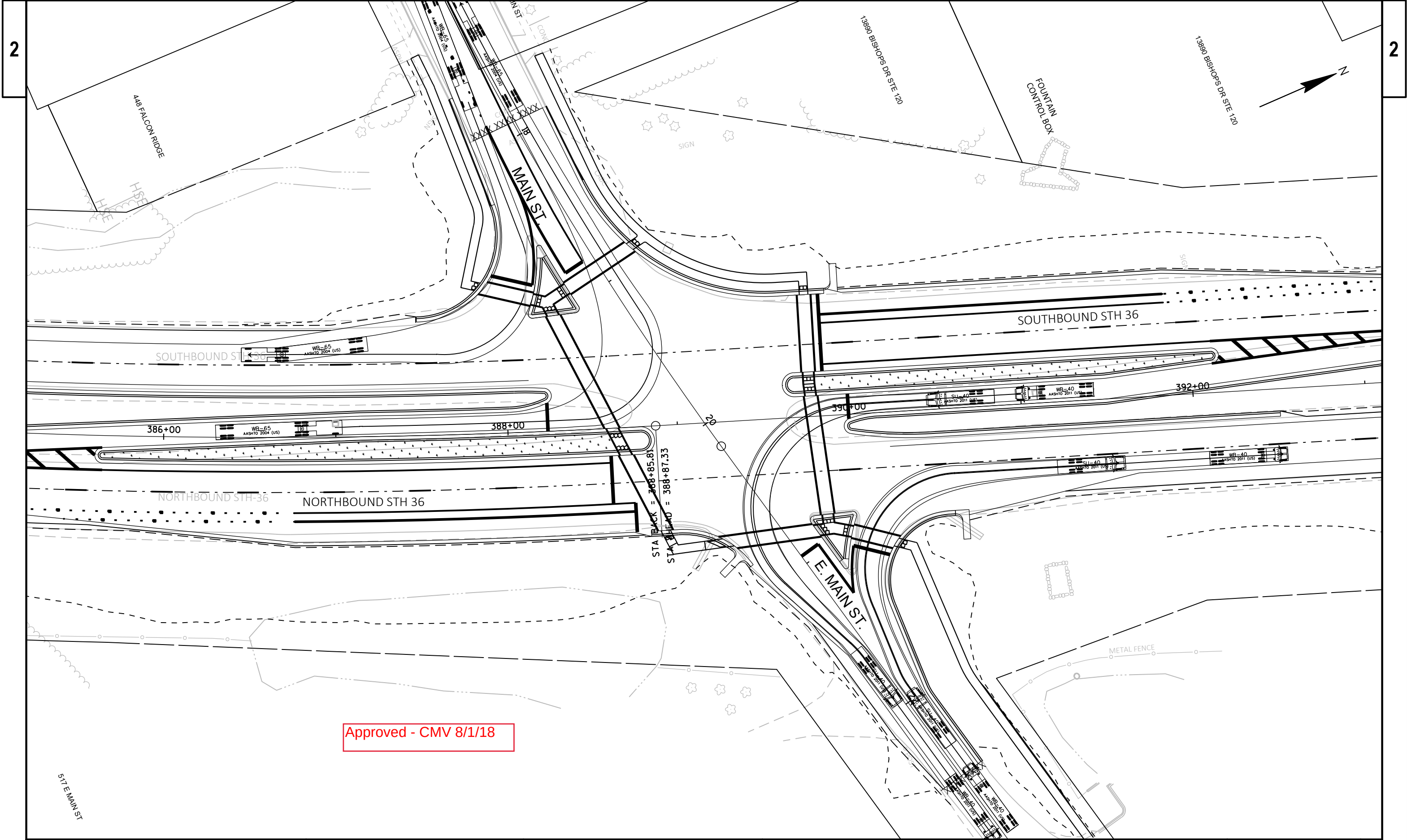
PLOT BY : SCHROEDER, JENNIFER

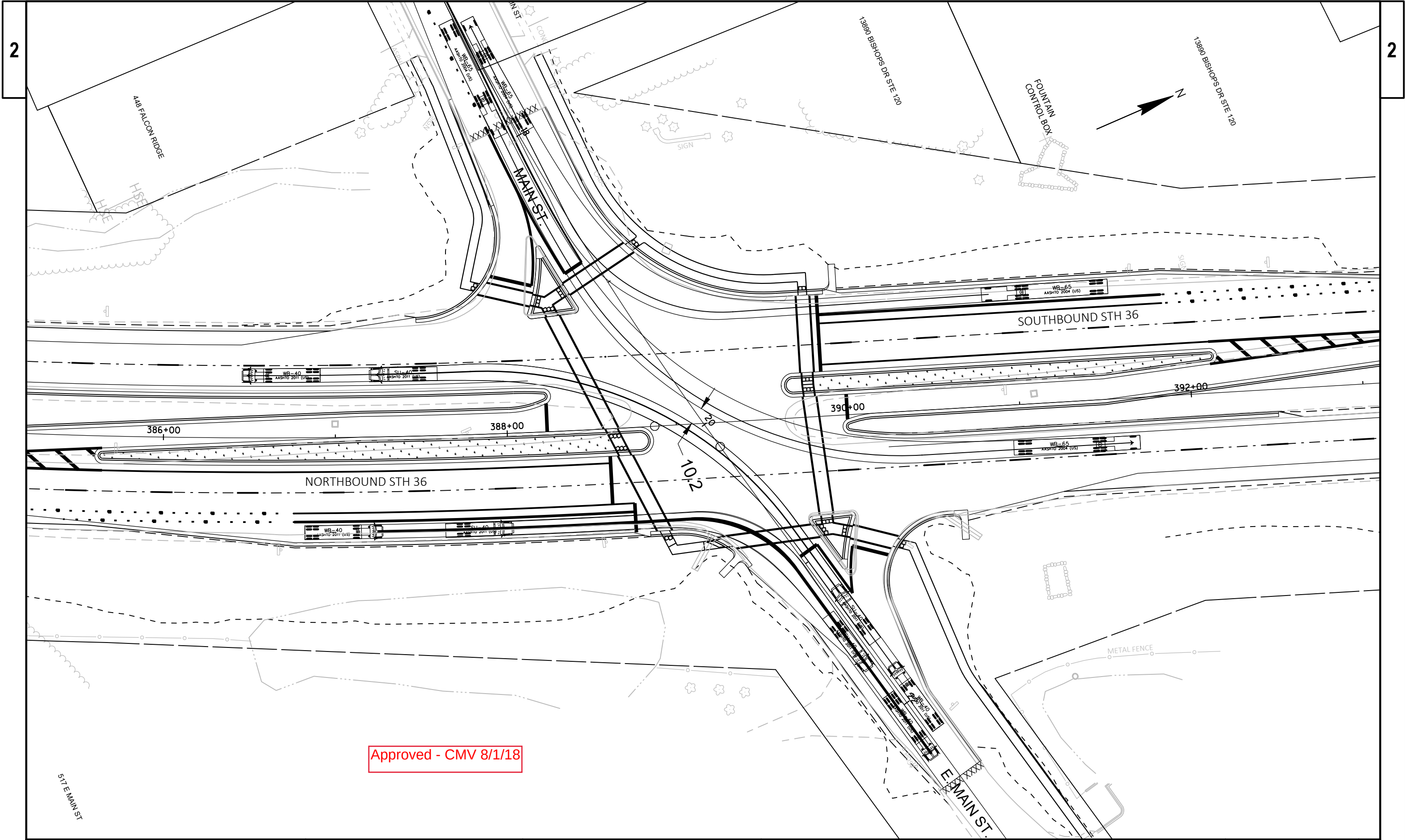
PLOT NAME : _____

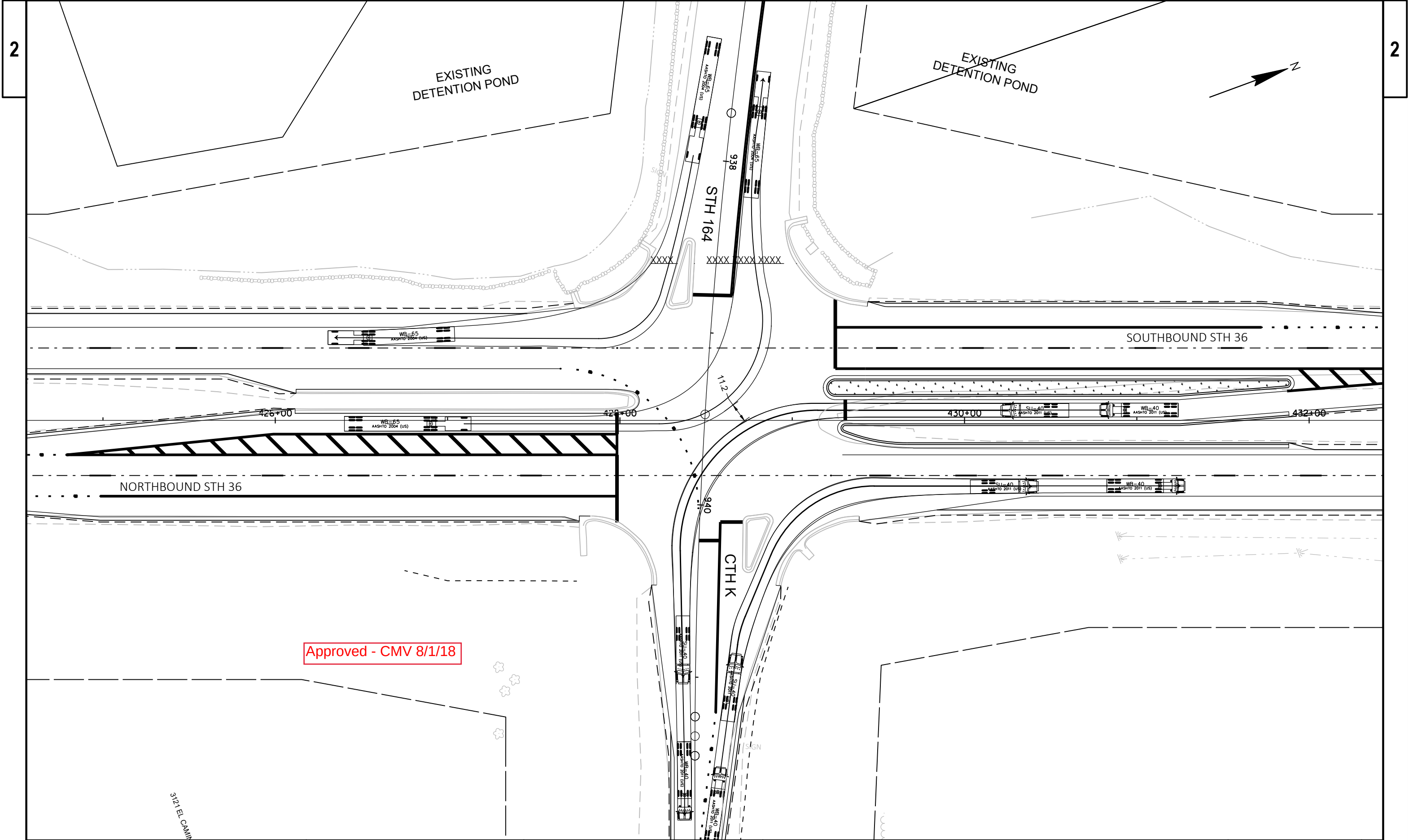
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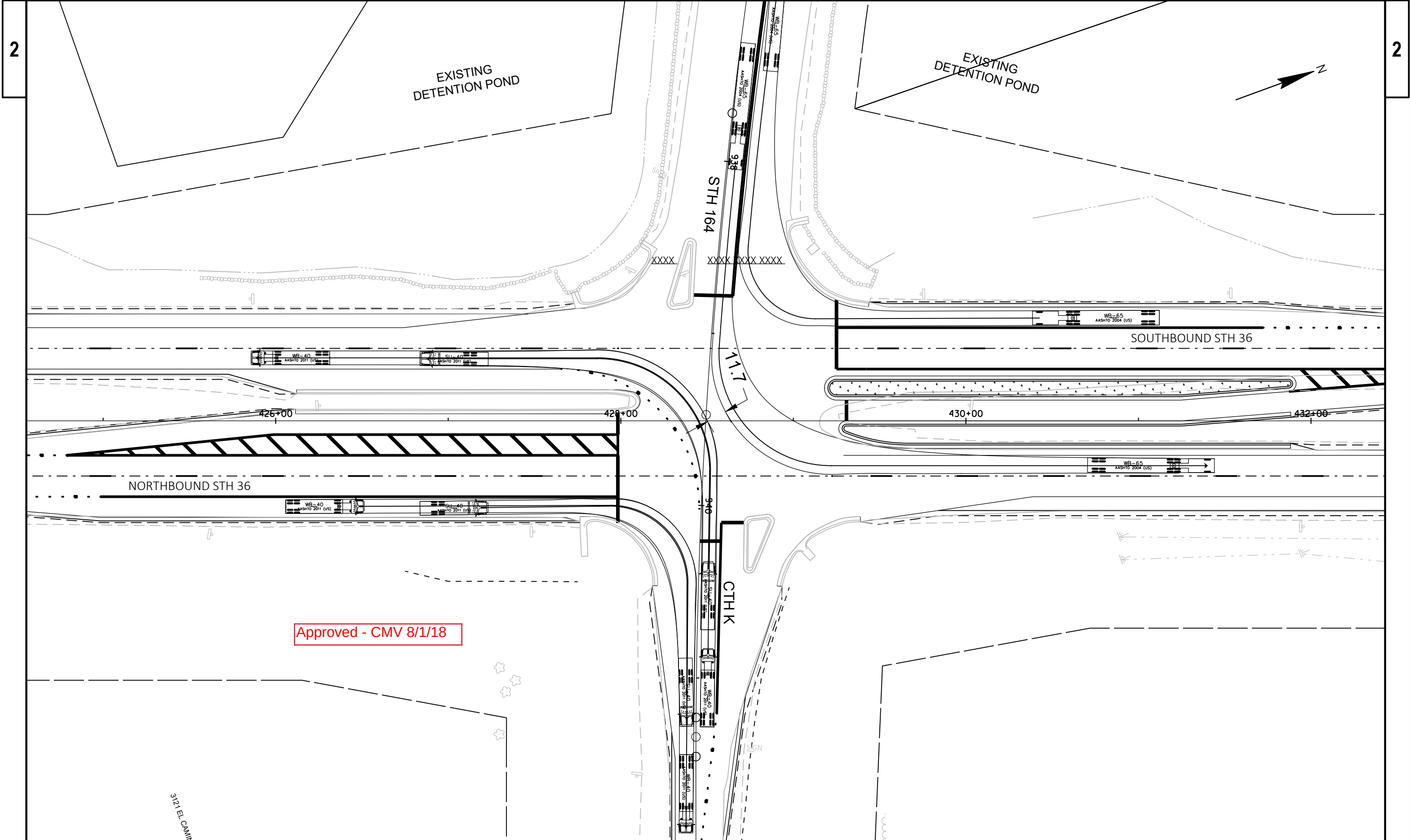
PRE_50

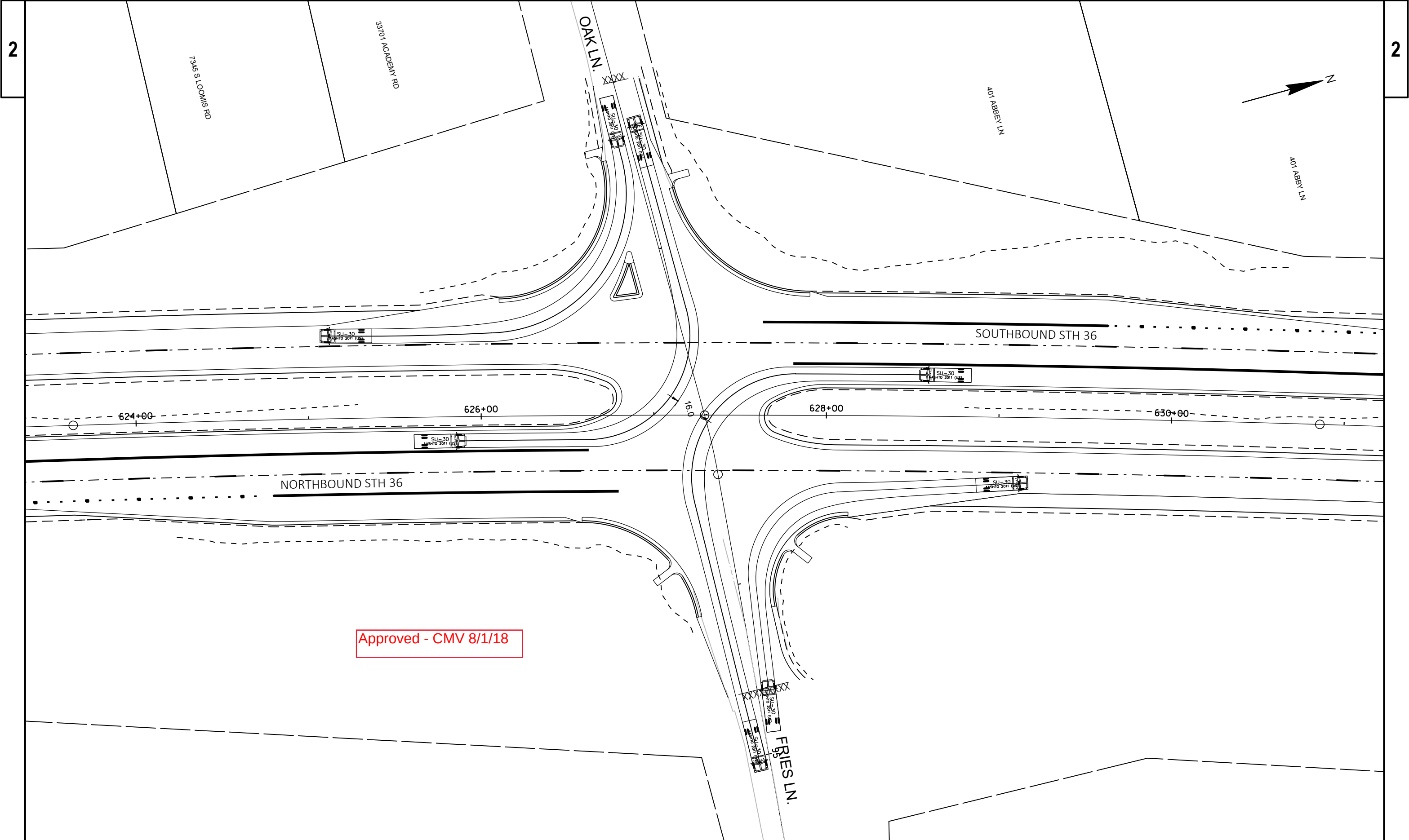
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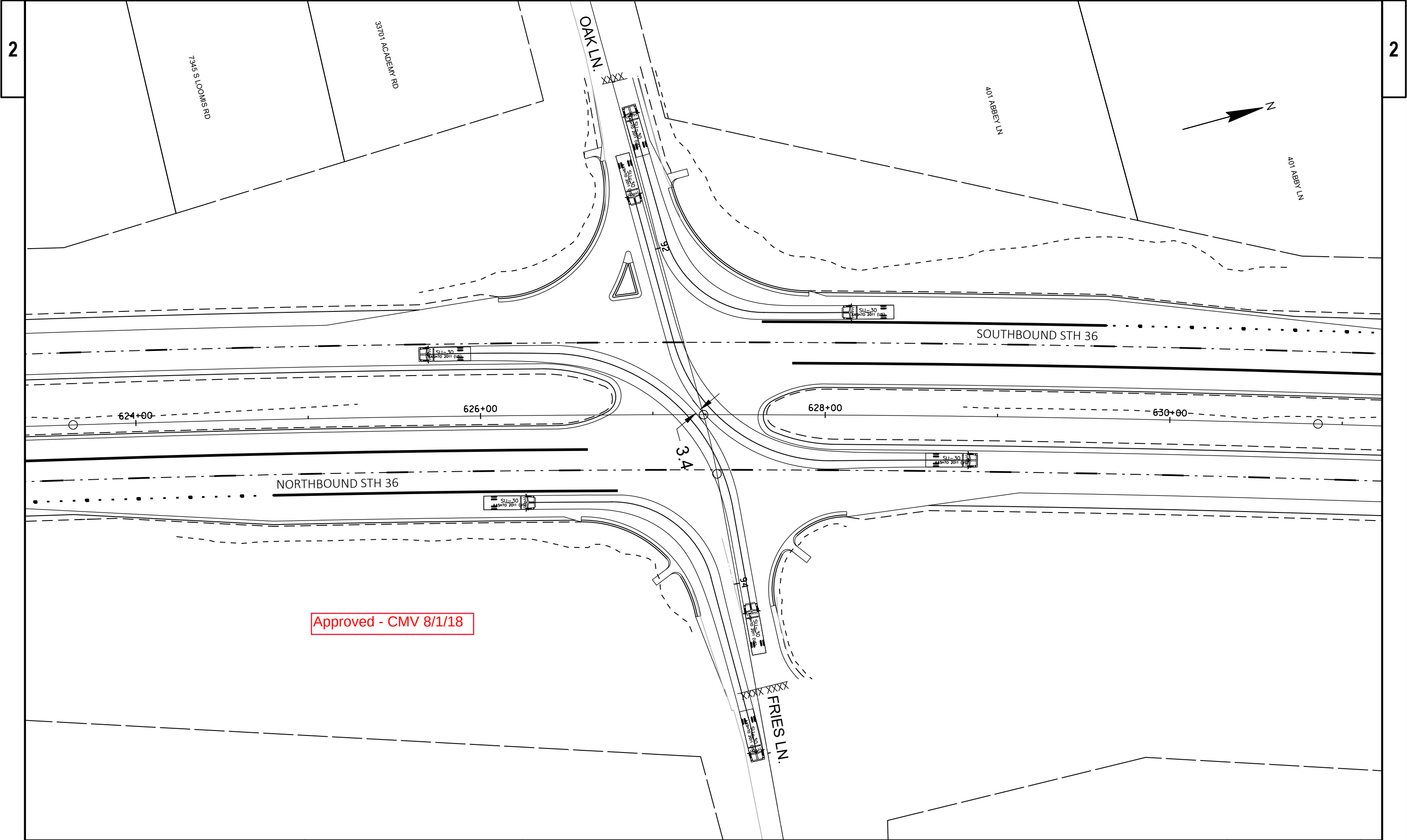




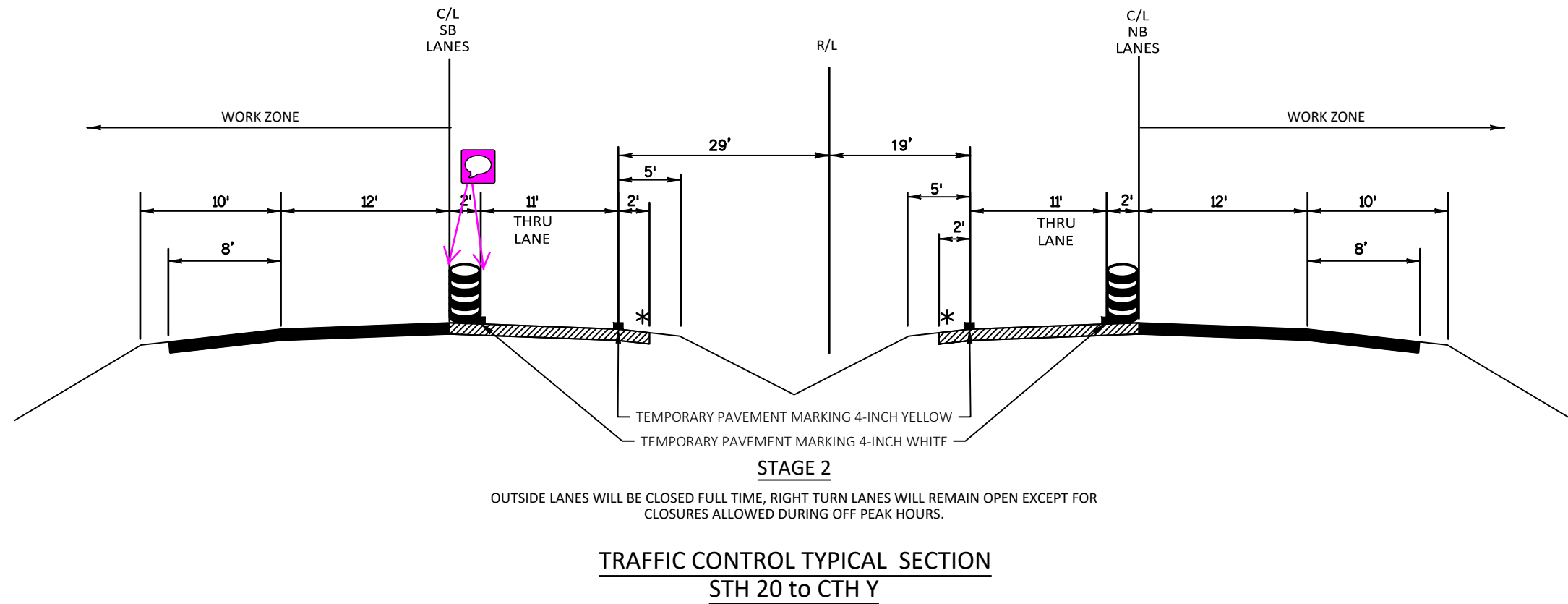
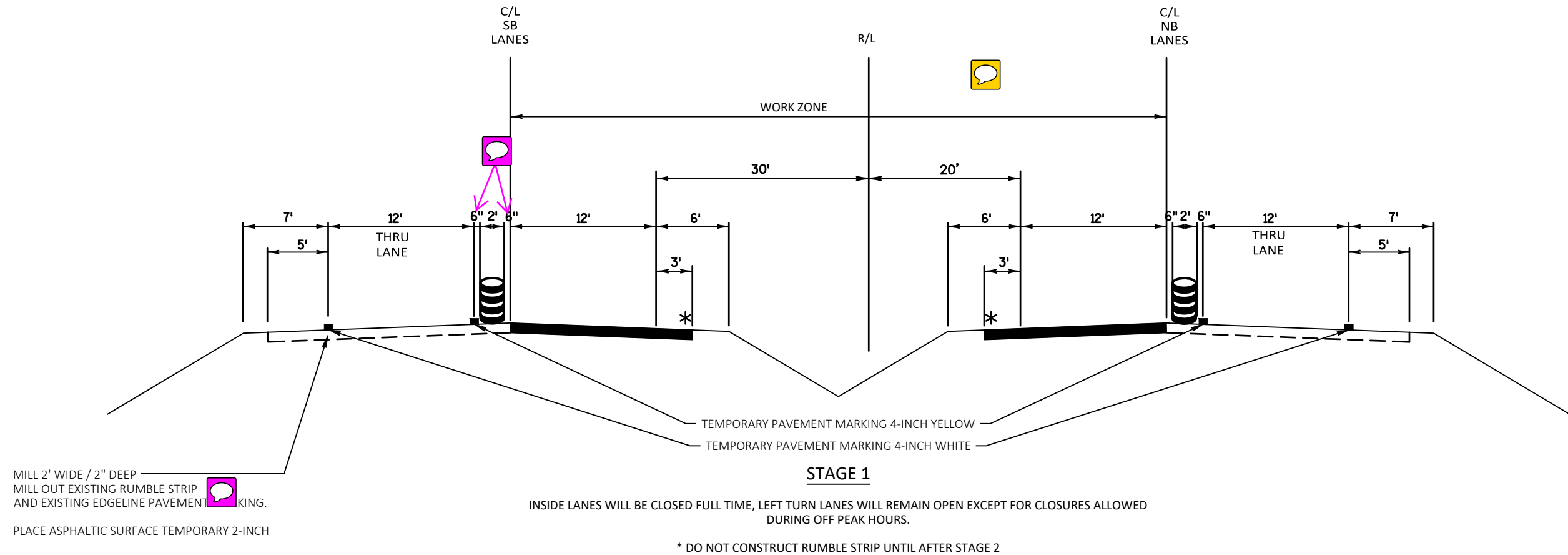


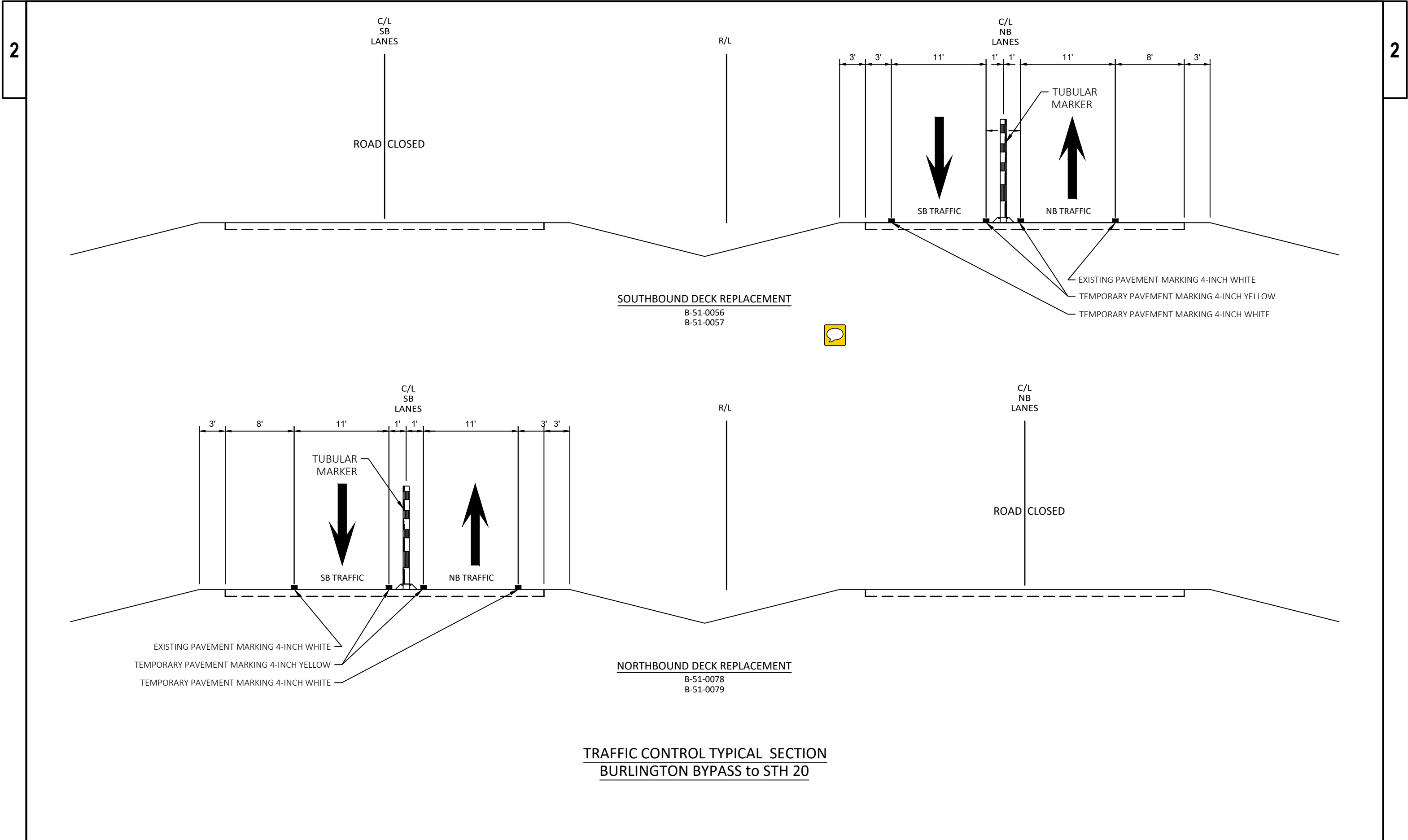


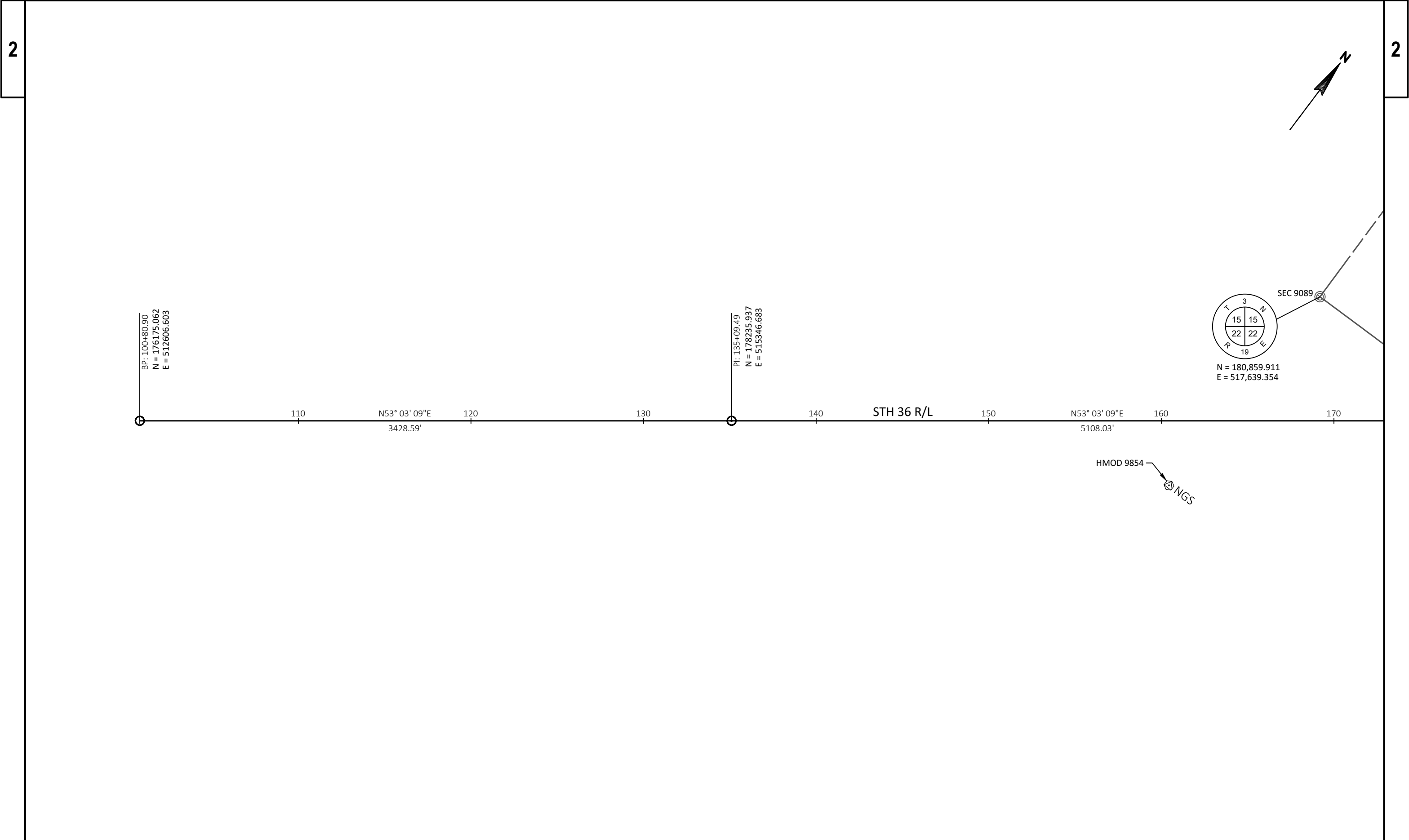


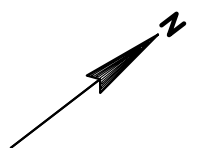


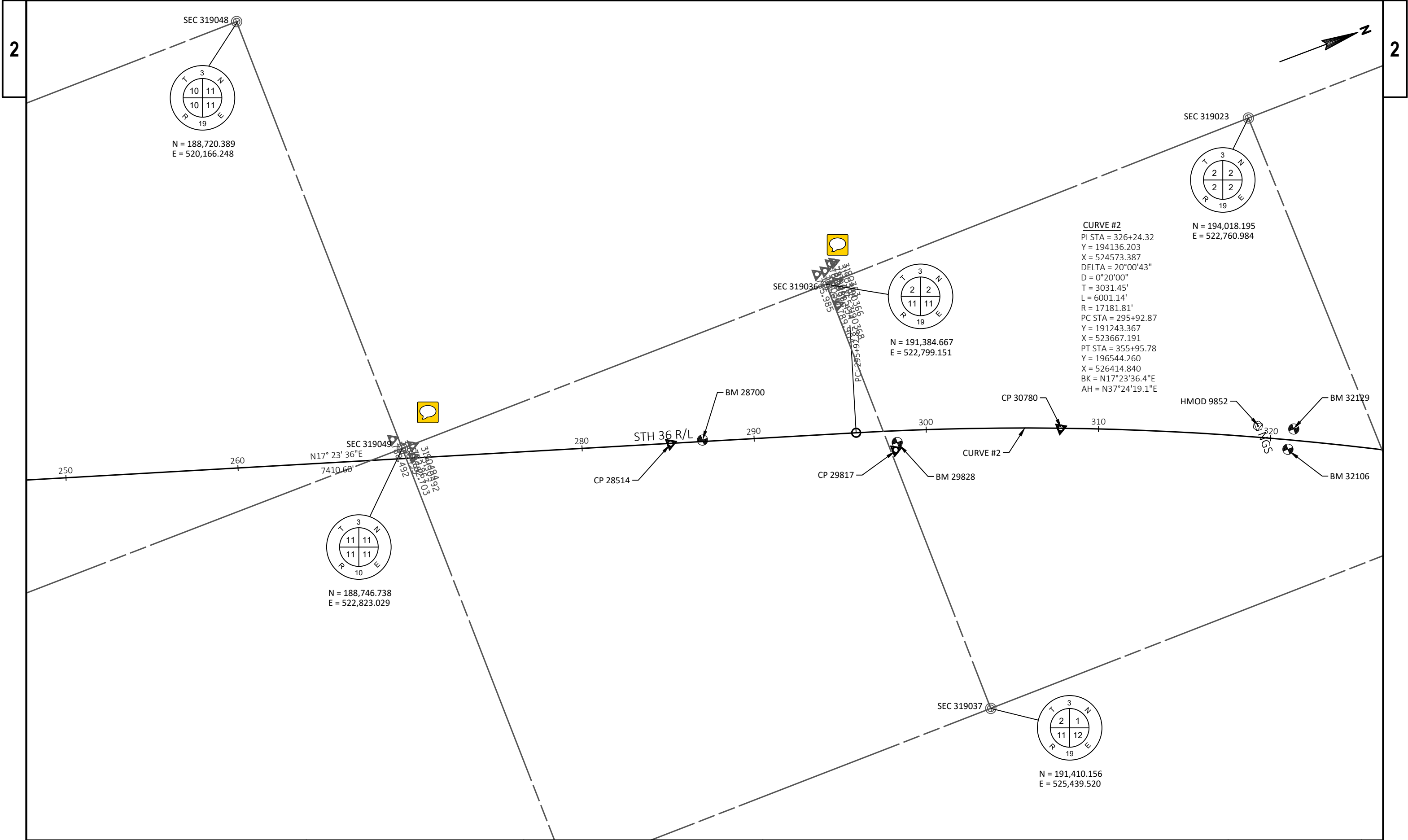
Approved - CMV 8/1/18



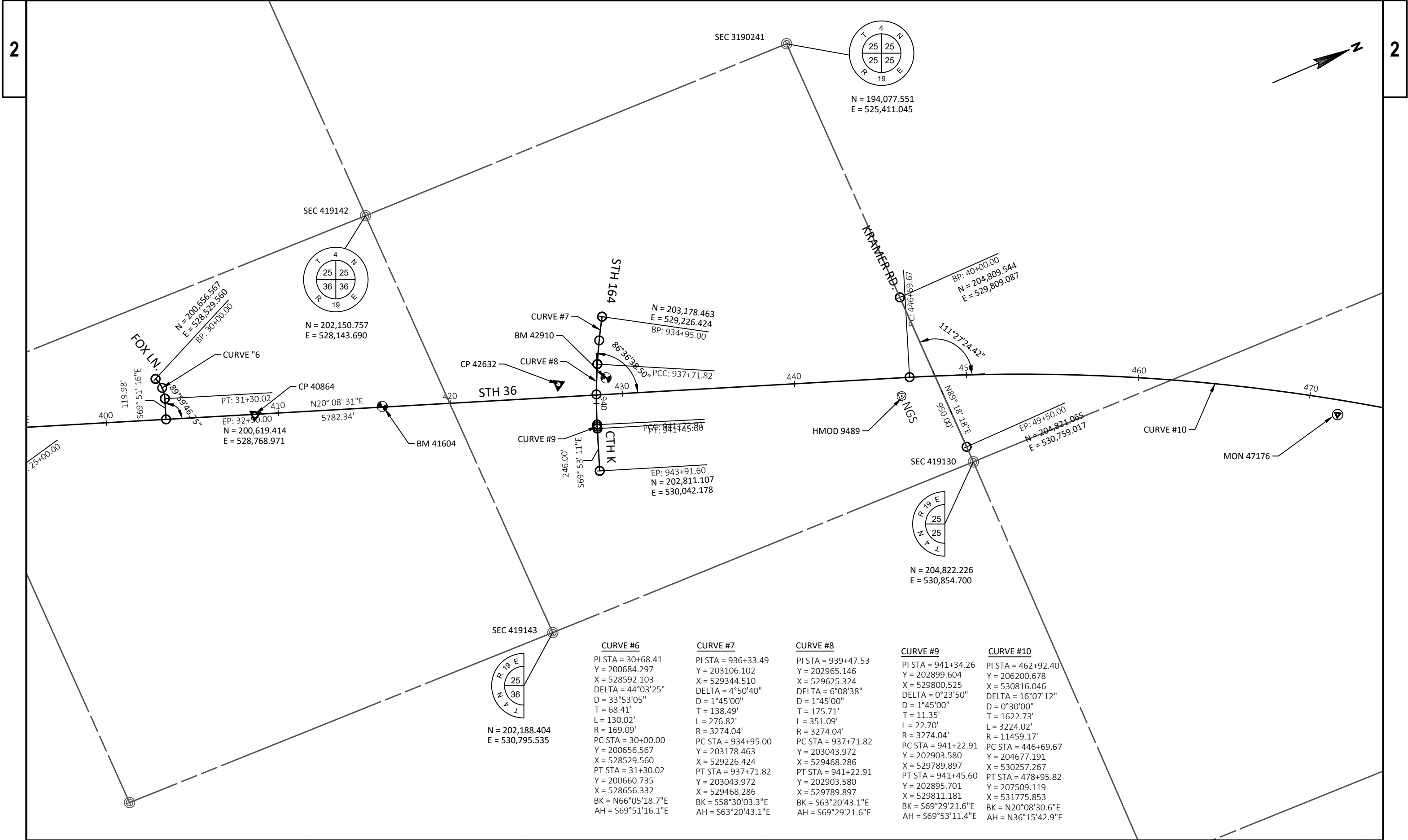


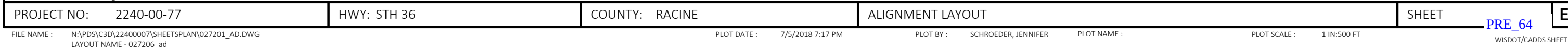


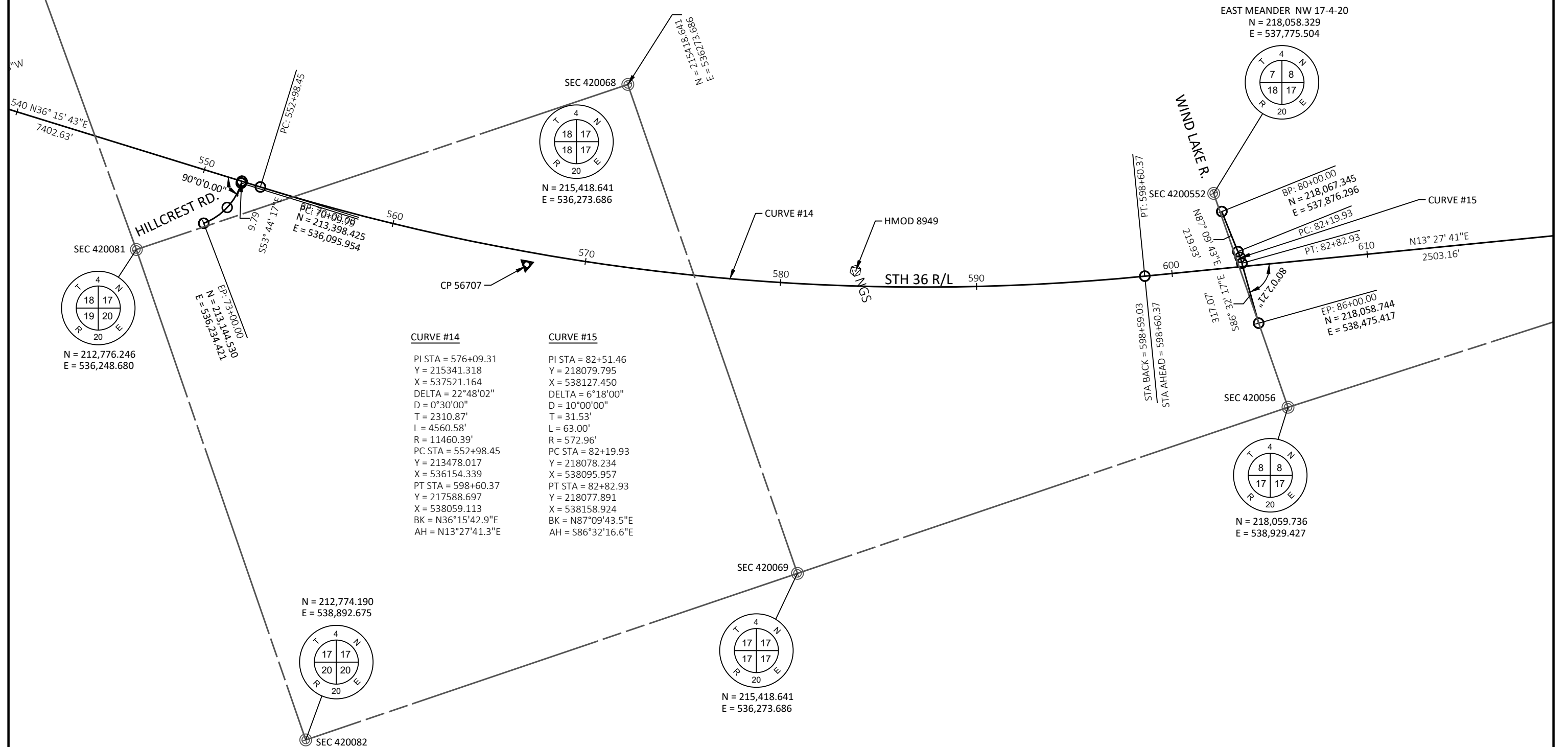












PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

ALIGNMENT LAYOUT

SHEET

E

FILE NAME : N:\PDS\C3D\22400007\22400007\027201_AD.DWG
LAYOUT NAME - 027207_ad

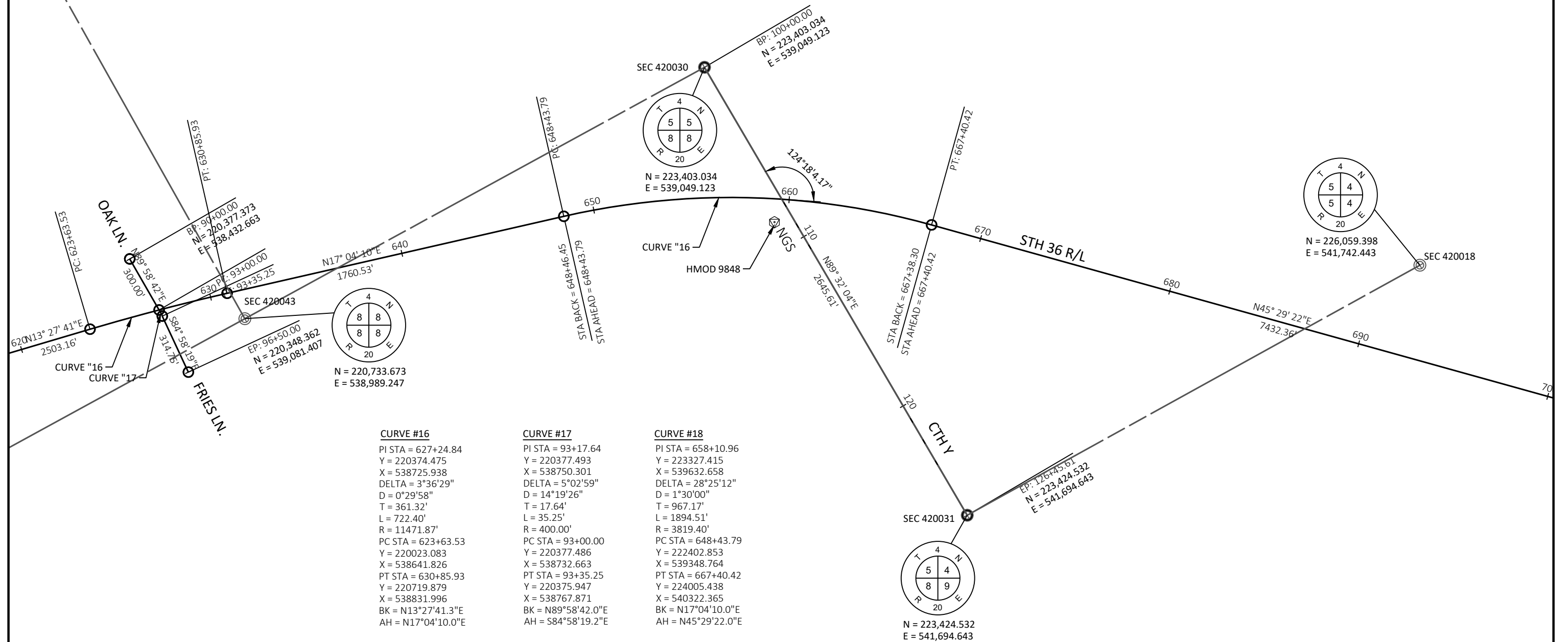
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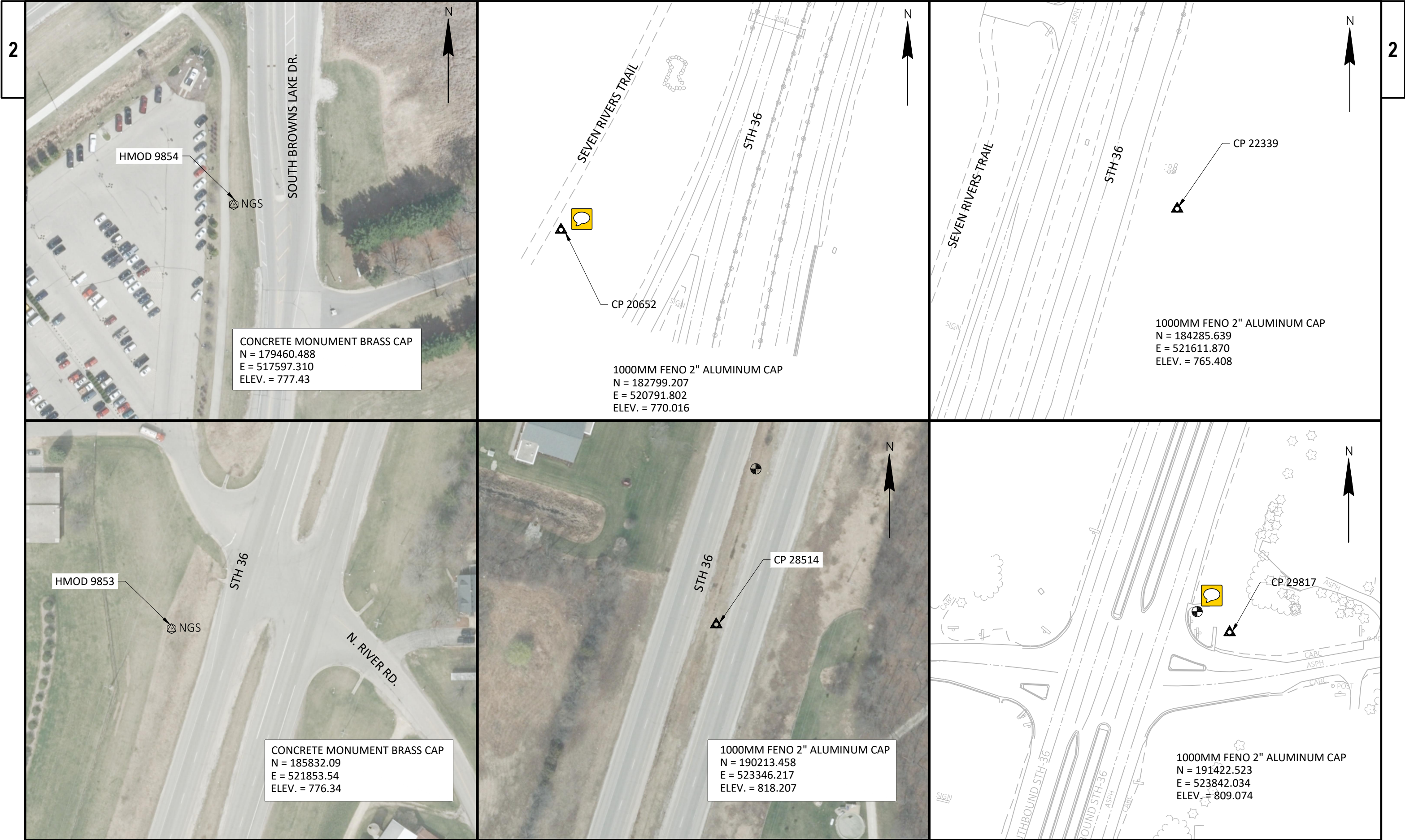
PLOT BY : SCHROEDER, JENNIFER

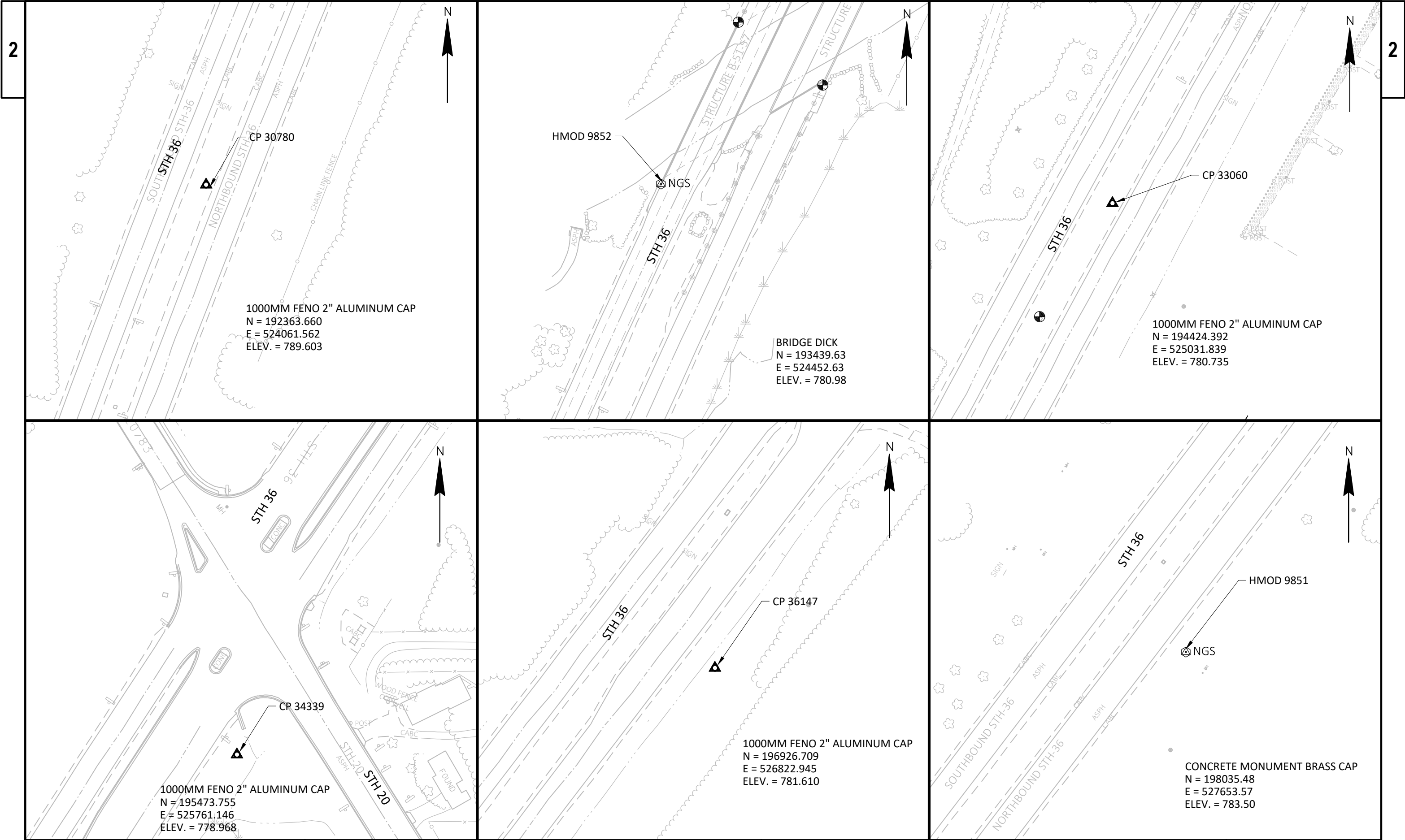
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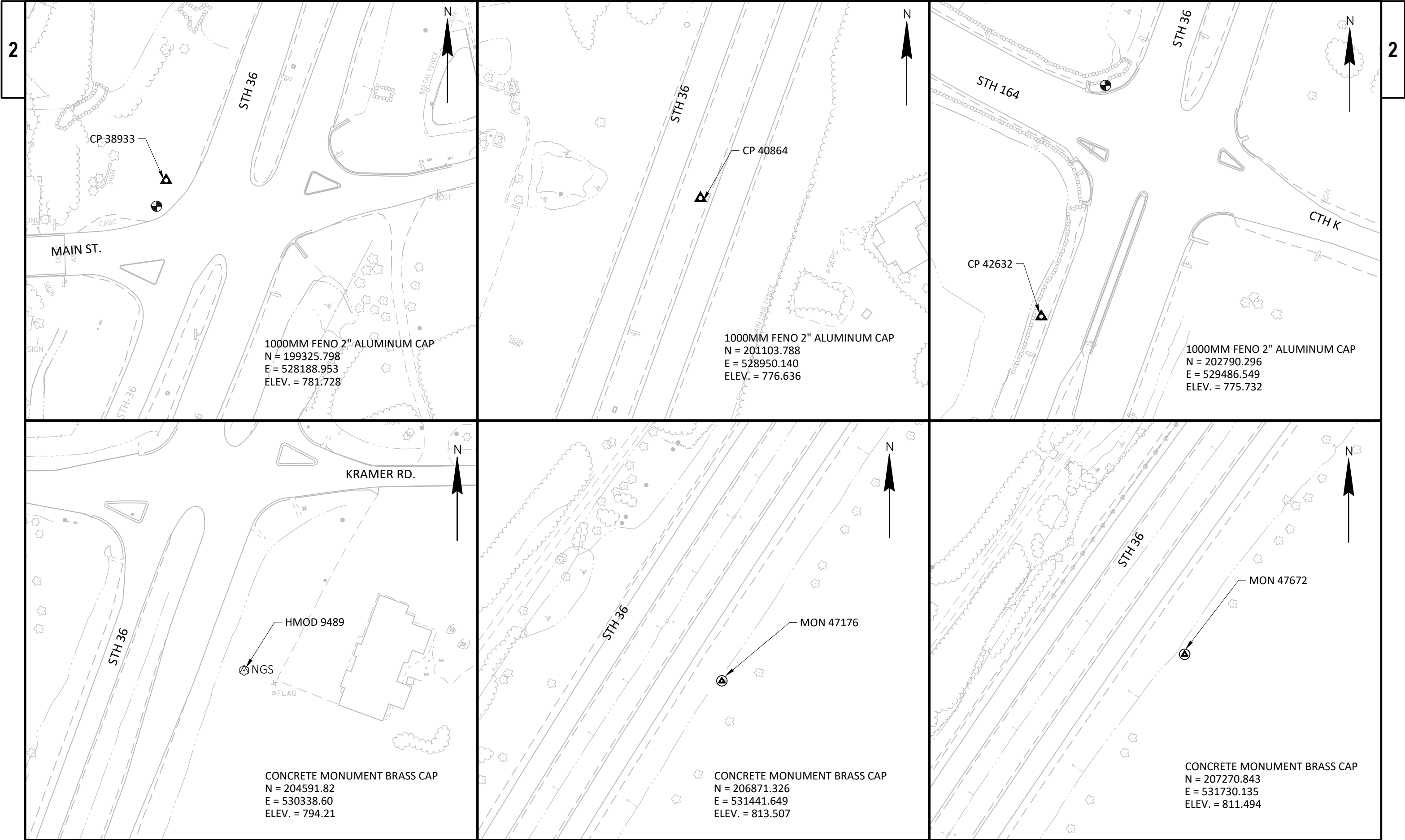
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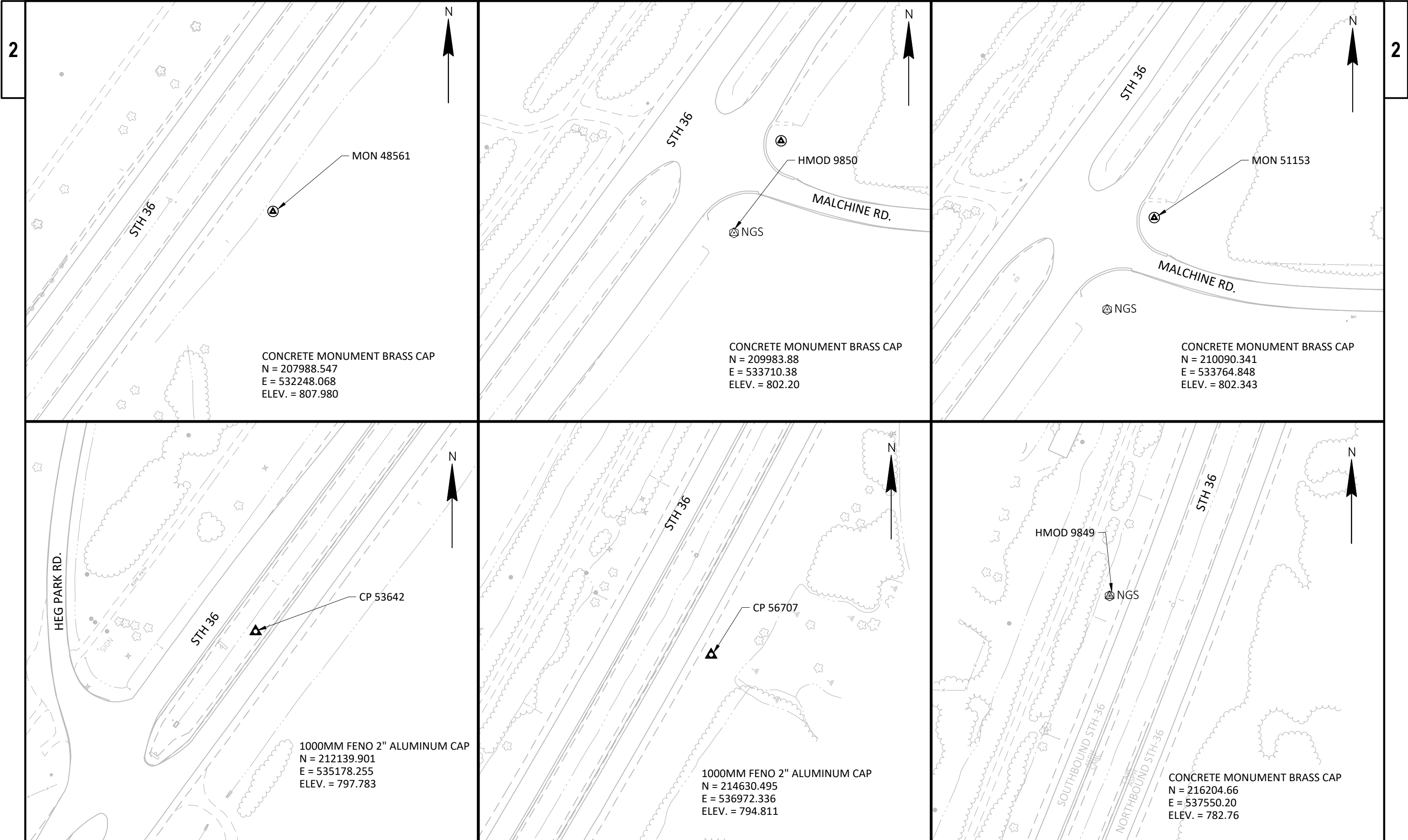
PRE_65
WISDOT/CADDs SHEET 42

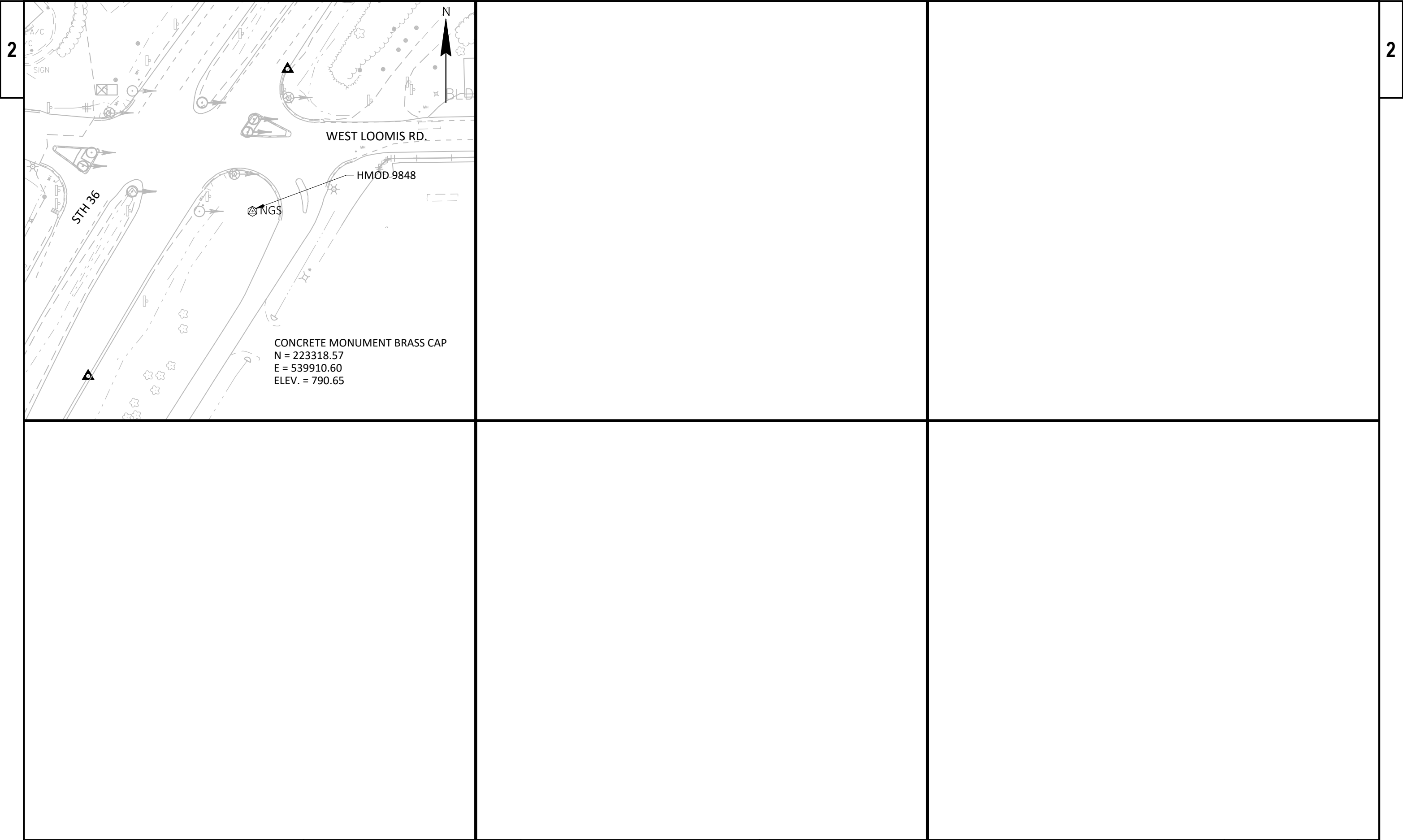


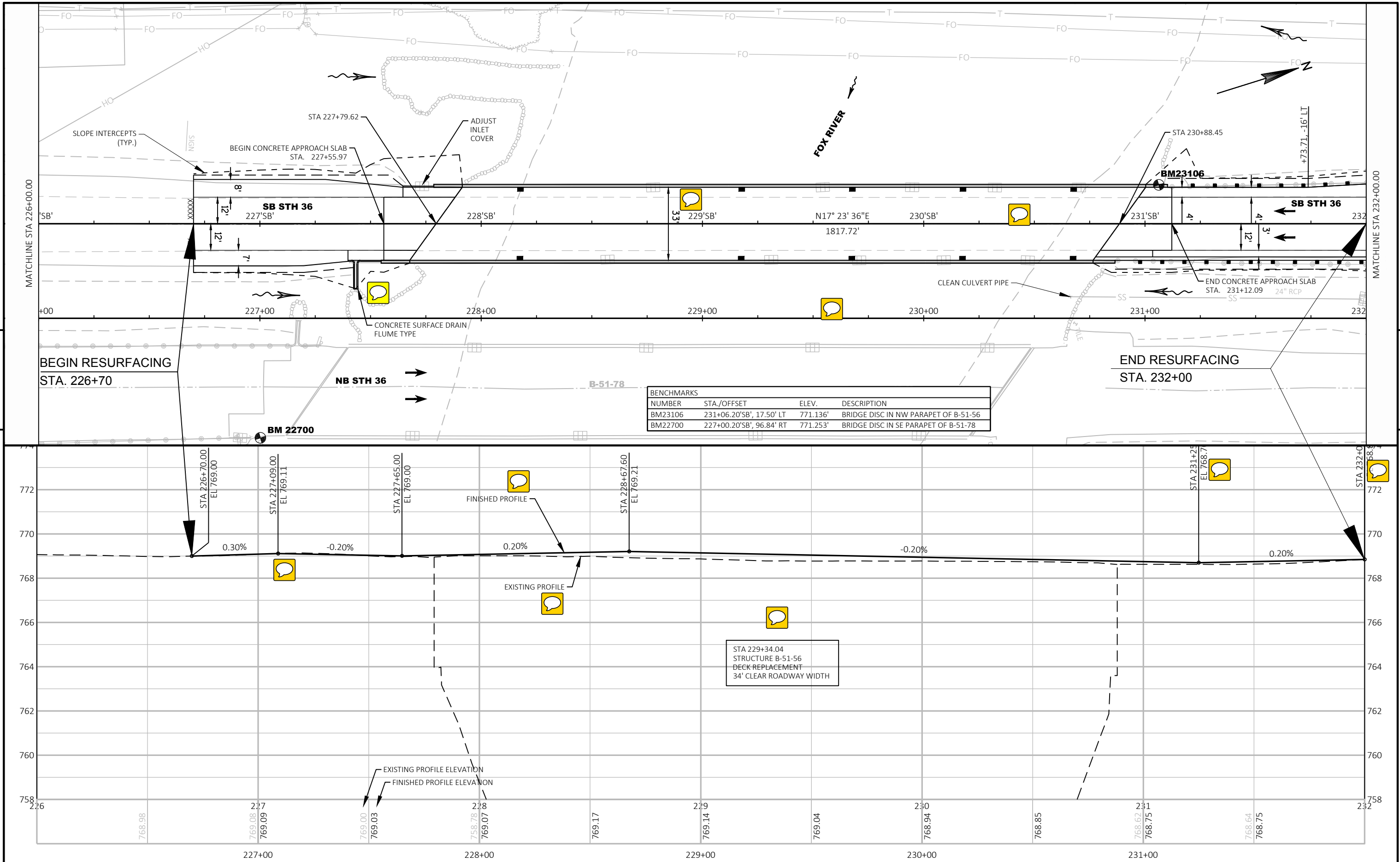


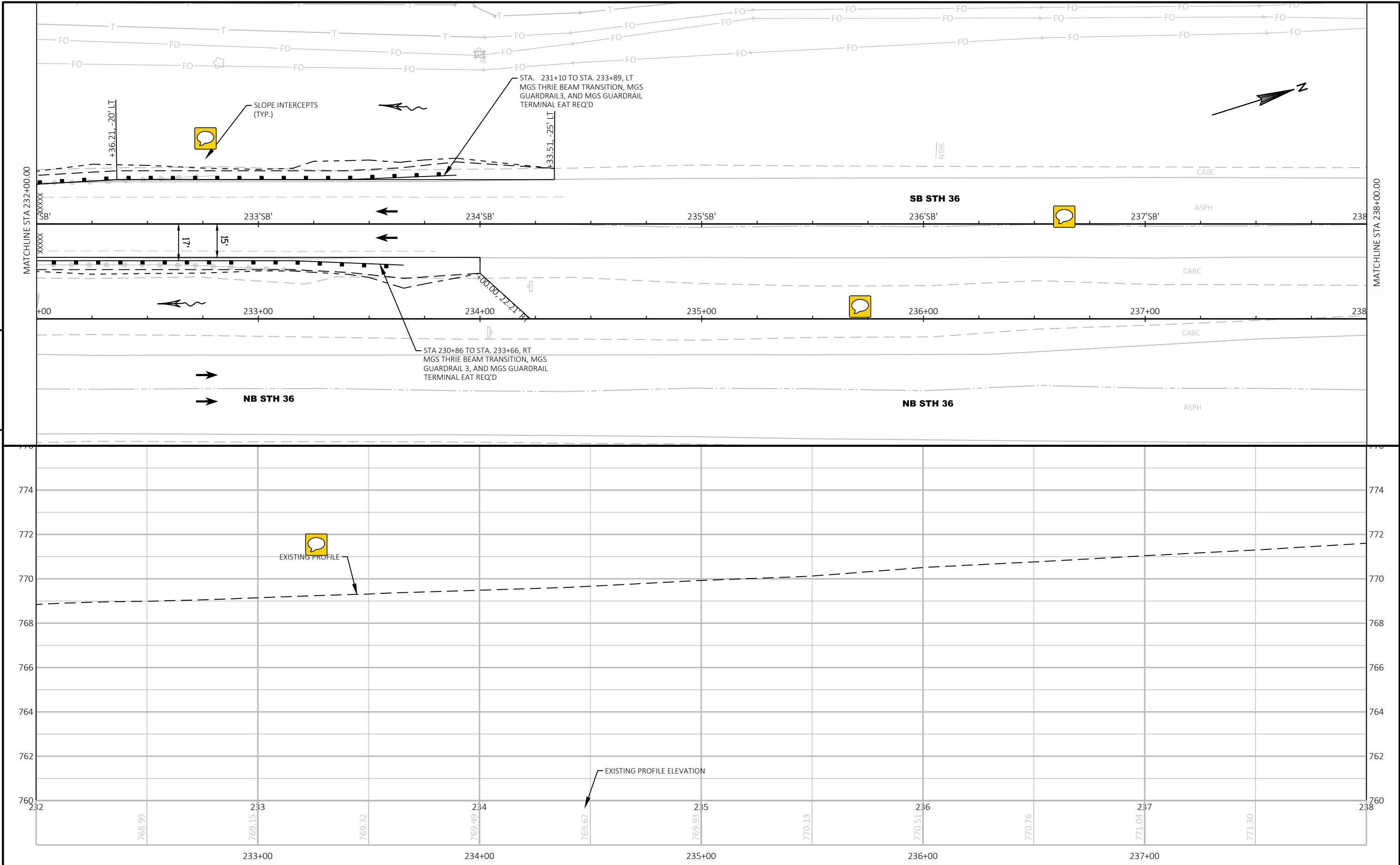


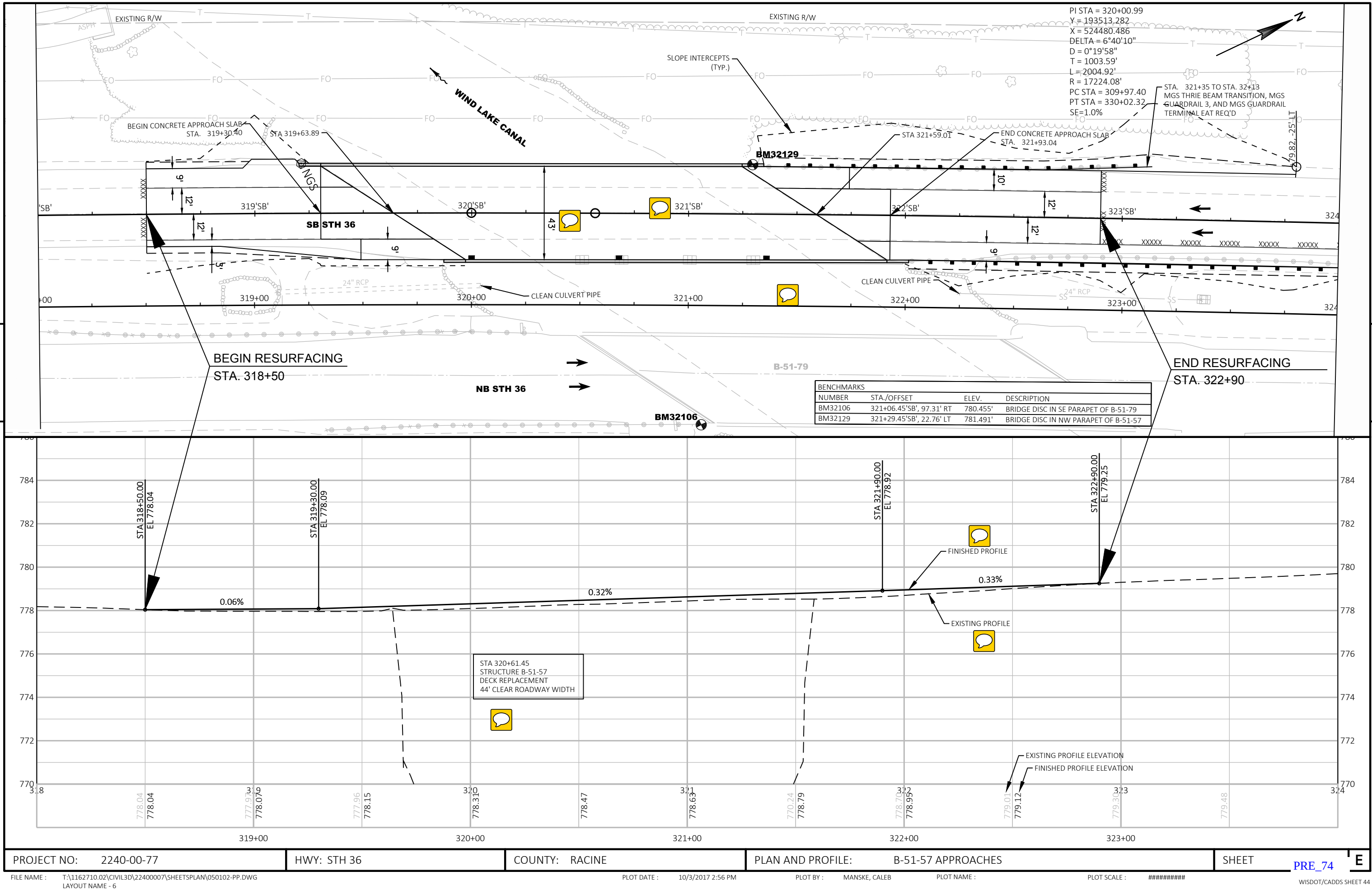


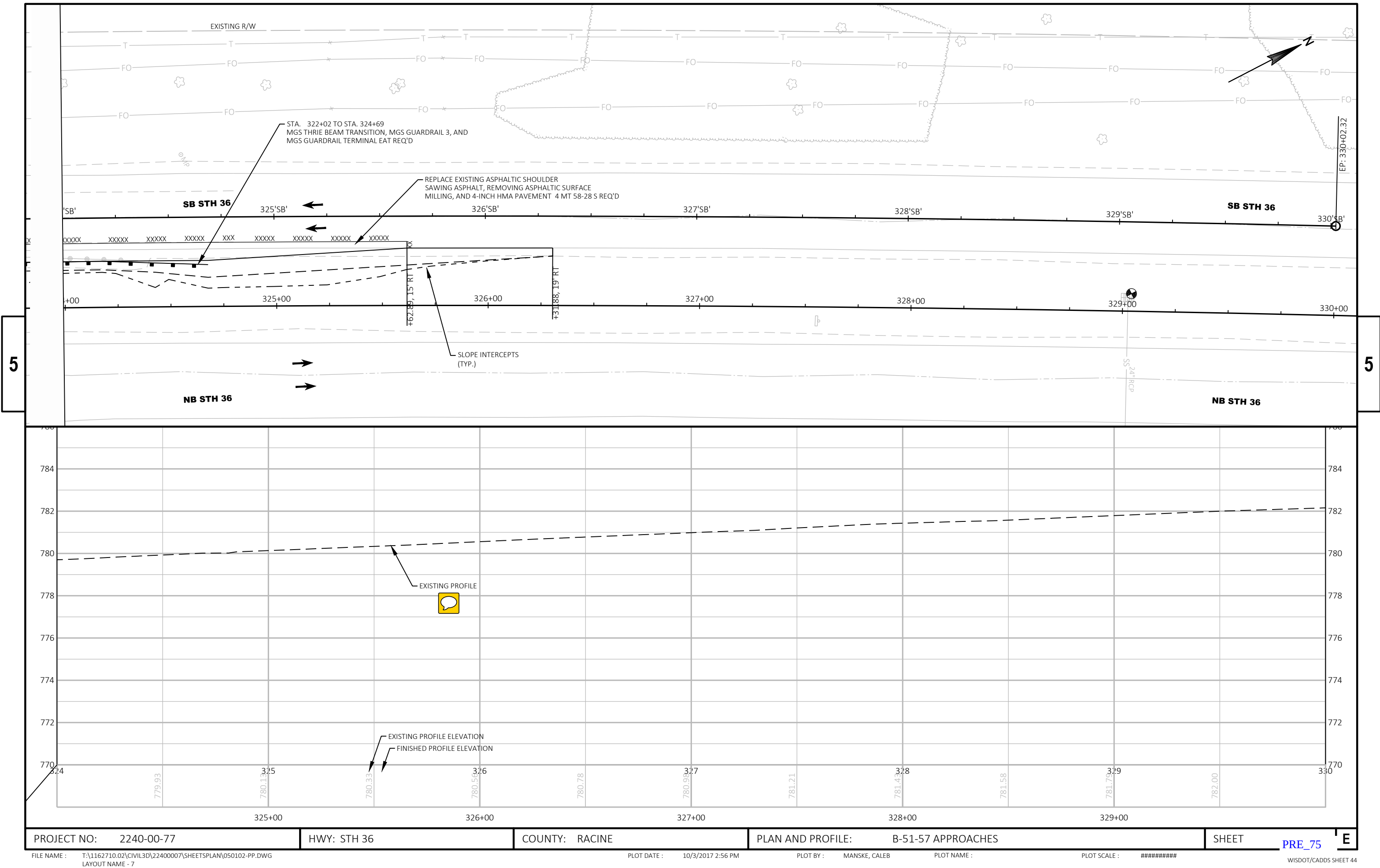


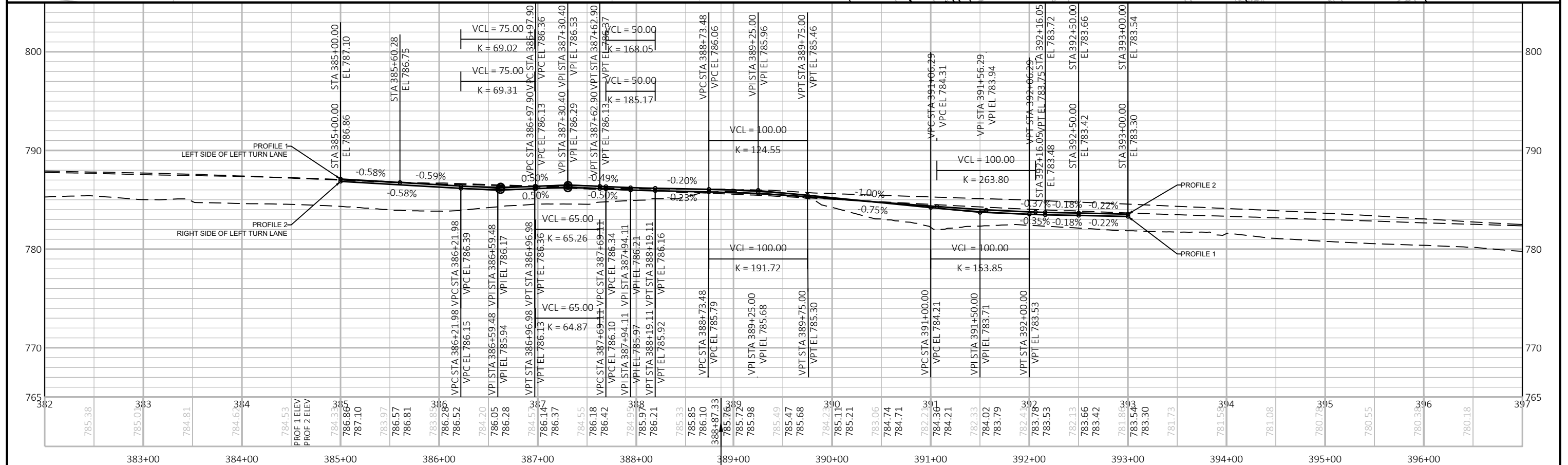
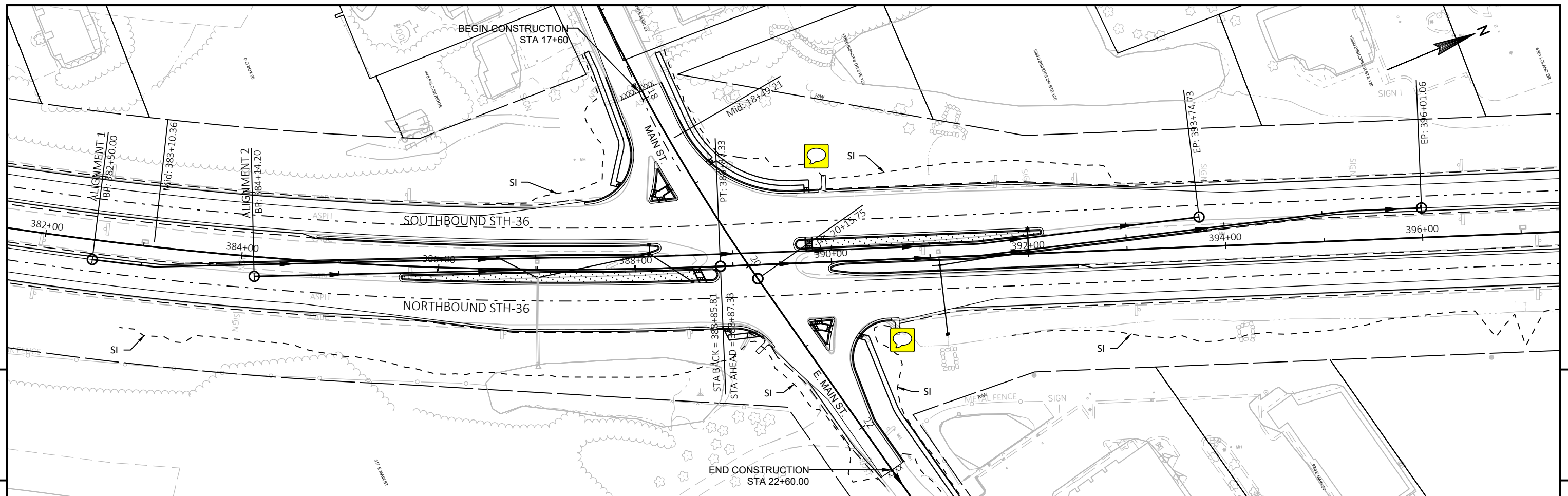


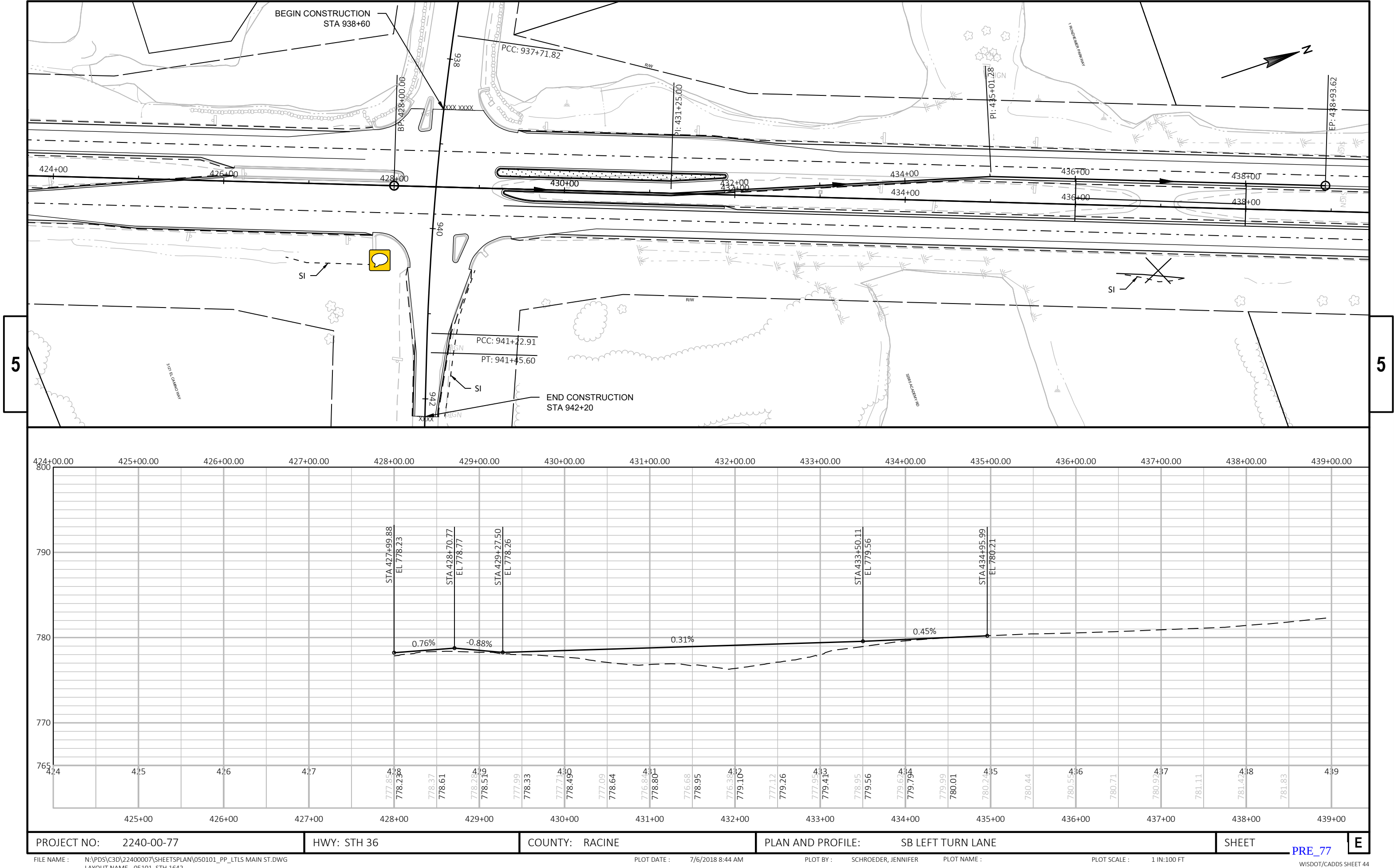


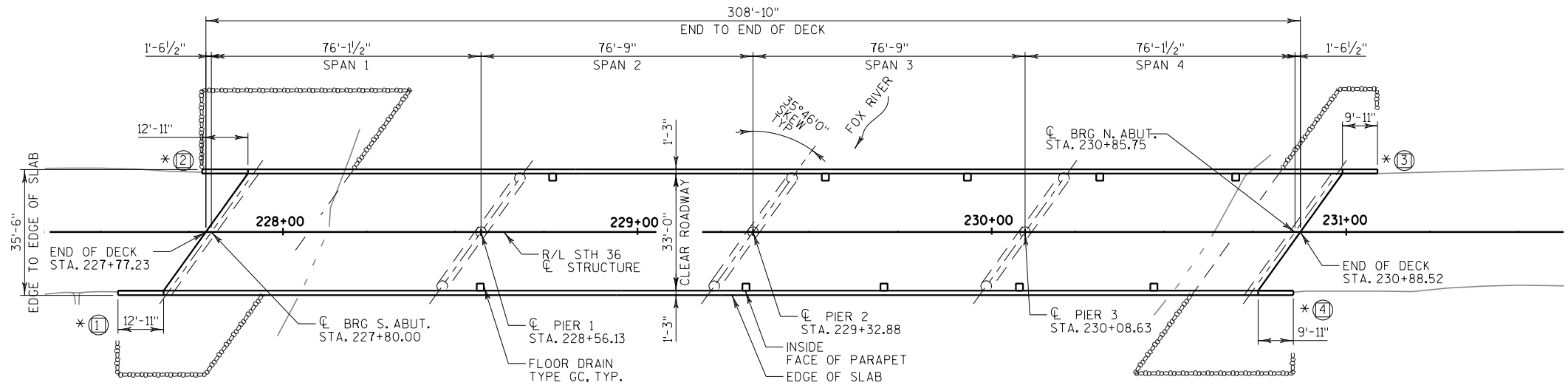
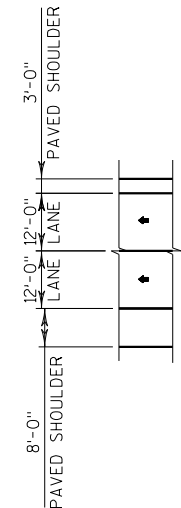
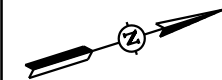






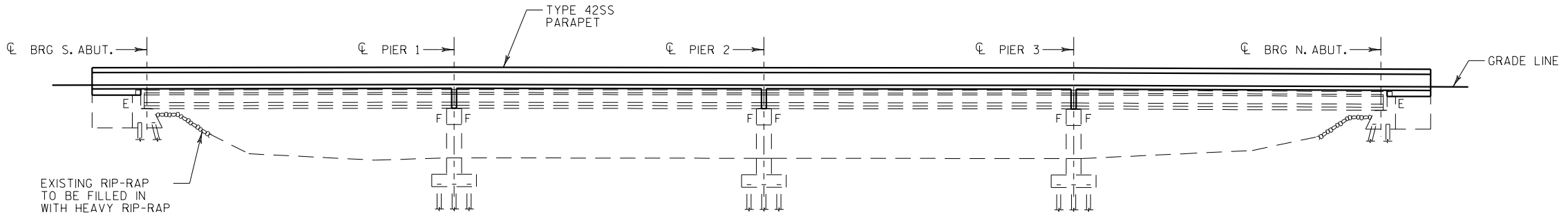






PLAN

(DECK REPLACEMENT FOUR SPAN 45" PRESTRESSED CONCRETE GIRDER BRIDGE)



ELEVATION

(LOOKING WEST)

BENCH MARK

ID	DESCRIPTION	STATION	ELEVATION
CP BM 23106	WISDOT DISK IN TOP OF PARAPET AT NORTHWEST CORNER OF B-51-56	STA. 231+06.20 17.5' LT.	771.14

CONTACTS

CONSULTANT CONTACT	BRIDGE OFFICE CONTACT
SCOTT GINAL	WILLIAM DREHER
(262)-317-3344	(608)-266-8489

STATE PROJECT NUMBER

2240-00-77

DESIGN DATA

LIVE LOAD:

DESIGN LOADING (DECK):	HL-93
DESIGN LOADING (EXISTING GIRDERS):	HS-20
INVENTORY RATING FACTOR:	RF-TBD
OPERATING RATING FACTOR:	RF-TBD
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV):	TBD

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES

CONCRETE MASONRY	
SUPERSTRUCTURE	f'c = 4,000 P.S.I.
ALL OTHER	f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT,	
GRADE 60	fy = 60,000 P.S.I.

LEGEND

- * PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT
- ⊖ - INDICATES WING NUMBER

TRAFFIC VOLUME

STH 36
A.D.T. = 15,600 (2040)
R.D.S. = 60 M.P.H.

LIST OF DRAWINGS

- 1 GENERAL PLAN
- 2 PROFILE, NOTES AND QUANTITIES
- 3 CROSS SECTIONS

NO.	DATE	REVISION	BY
raSmith CREATIVITY BEYOND ENGINEERING			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER DATE			
STRUCTURE B-51-56			
STH 36 OVER FOX RIVER			
COUNTY	TOWN/CITY/VILLAGE		
RACINE	ROCHESTER		
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	JAD	DESIGN CK'D.	SJG
DRAWN BY	JAD	PLANS CK'D.	SJG
GENERAL PLAN			SHEET 1 OF 3 PRE_78

TOTAL ESTIMATED QUANTITIES

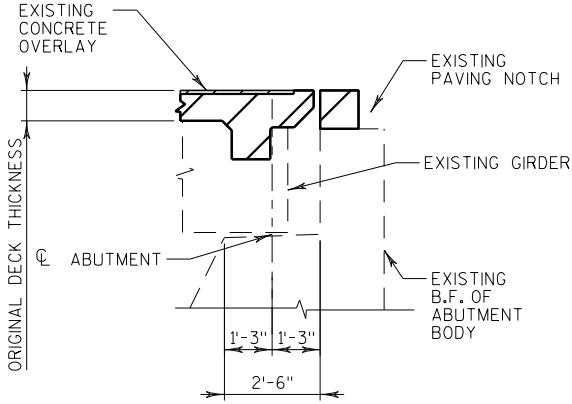
BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	PIER 1	PIER 2	PIER 3	NORTH ABUT.	TOTALS
203.0610.S	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-51-56	LS	---	---	---	---	---	---	---
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS (STATION)	LS	---	---	---	---	---	---	---
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-51-56	LS	---	---	---	---	---	---	---
210.1500	BACKFILL STRUCTURE TYPE A	TON	---	---	---	---	---	---	---
502.0100	CONCRETE MASONRY BRIDGES	CY	---	---	---	---	---	---	---
502.3100	EXPANSION DEVICE B-51-56	LS	---	---	---	---	---	---	---
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	---	---	---	---
502.4205	ADHESIVE ANCHORS NO.5 BAR	EACH	---	---	---	---	---	---	---
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	---	---	---	---	---	---	---
506.4000	STEEL DIAPHRAGMS B-51-56	EACH	---	---	---	---	---	---	---
509.1500	CONCRETE SURFACE REPAIR	SF	---	---	---	---	---	---	---
514.0445	FLOOR DRAINS TYPE GC	EACH	---	---	---	---	---	---	---
514.2625	DOWNSPOUT 6-INCH	LF	---	---	---	---	---	---	---
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	---	---	---	---	---	---	---
603.0300	RIPRAP HEAVY	CY	---	---	---	---	---	---	---
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	---	---	---	---	---	---	---
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	---	---	---	---	---	---	---
645.0120	GEOTEXTILE TYPE HR	SY	---	---	---	---	---	---	---
SPV.0165.01	FIBER WRAP REINFORCING	SF	---	---	---	---	---	---	---

STATE PROJECT NUMBER

2240-00-77

GENERAL NOTES

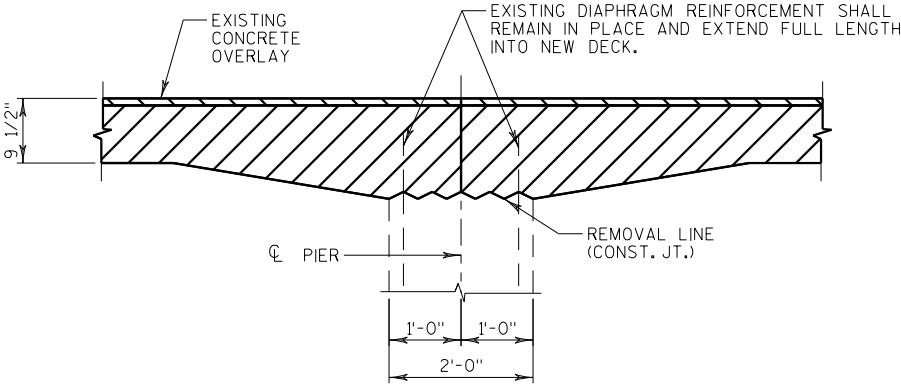
- DRAWINGS SHALL NOT BE SCALED.
- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
- THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.
- THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH EQUAL TO TBD INCHES.
- PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE FOLLOWING SURFACES: ENTIRE TOP OF DECK, AND TO THE TOP AND TRAFFIC SIDE OF CONCRETE PARAPET.
- DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND 3-D SCAN DATA TAKEN BY R.A. SMITH ON MAY 22, 2015.
- UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.
- VARIATIONS TO THE NEW GRADE LINE OVER 1/4" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE DESIGNER FOR REVIEW.
- THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND STANDARD DETAIL DRAWING 12A3. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR.
- FILL VOIDS UNDER EAST AND WEST ABUTMENT AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR UNDER BID ITEM "BACKFILL CONTROLLED LOW STRENGTH".
- CONCRETE FOR ABUTMENT AND PIER DIAPHRAGMS SHALL BE PLACED WITH THE DECK CONCRETE. OPTIONAL CONSTRUCTION JOINT WILL BE PERMITTED.
- THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE 'HR' TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET.
- ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT.
- CONCRETE SURFACE REPAIR IS REQUIRED AT ALL SUBSTRUCTURE UNITS AND THE REPAIR QUANTITIES SHALL BE VERIFIED BY THE ENGINEER.
- A FIBER-REINFORCED POLYMER (FRP) STRENGTHENING SYSTEM SHALL BE DESIGNED AND APPLIED TO PORTIONS OF THE EXISTING GIRDERS AS SHOWN IN THESE PLANS AND IN ACCORDANCE WITH THE "FIBER WRAP REINFORCING" SPECIAL PROVISIONS.



NOTE: DIMENSIONS SHOWN ARE TAKEN NORMAL TO ϕ SUBSTRUCTURE UNITS.

SECTION AT ABUTMENTS

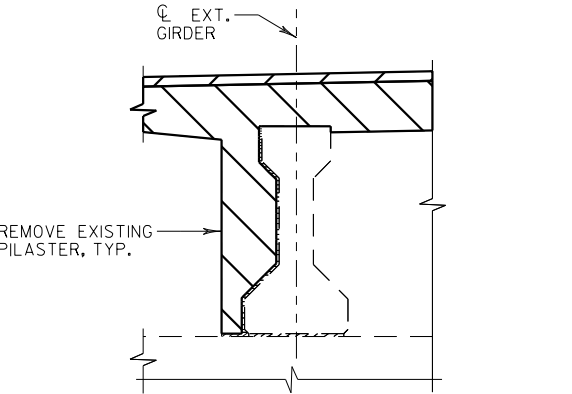
(SHOWING REMOVAL)



NOTE: DIMENSIONS SHOWN ARE TAKEN NORMAL TO ϕ SUBSTRUCTURE UNITS.

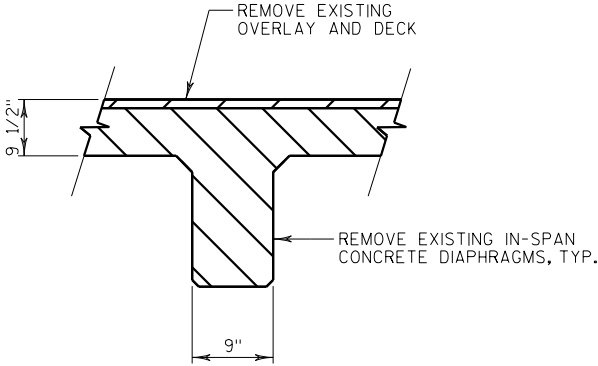
SECTION THRU PIER

(SHOWING REMOVAL)



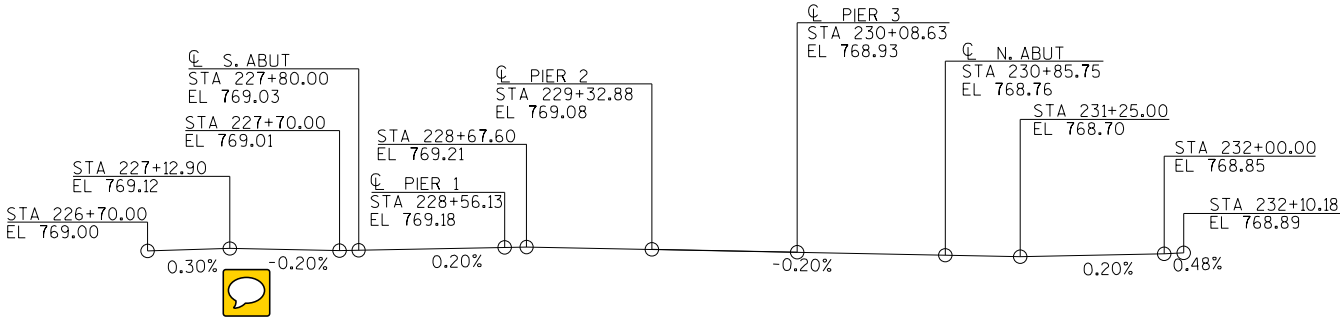
SECTION THRU EXT. GIRDER AT PIER

(SHOWING REMOVAL)



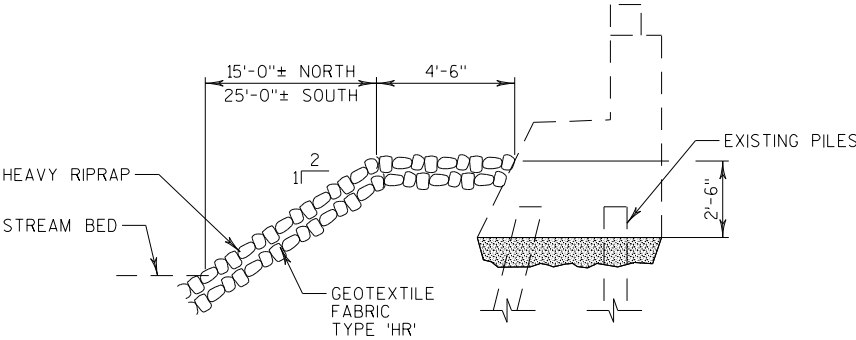
SECTION THRU EXISTING IN-SPAN CONCRETE DIAPHRAGMS

(SHOWING REMOVAL)



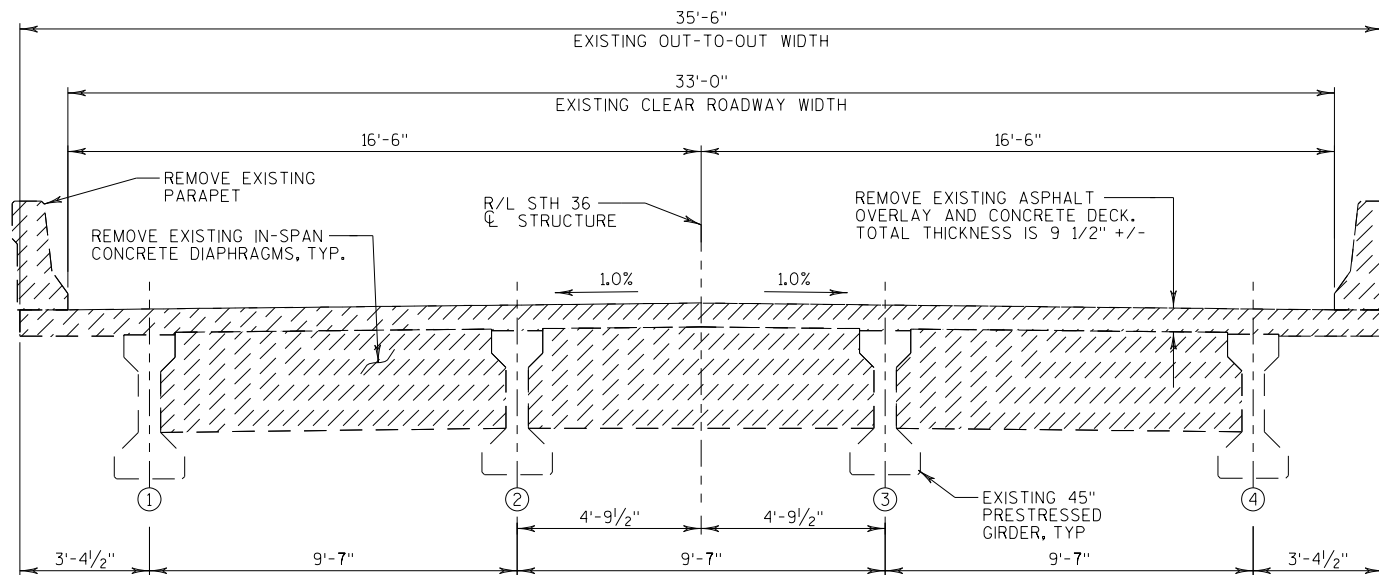
PROFILE GRADE LINE B-51-56

THE PROFILE GRADE LINE HERE SHALL BE USED FOR THE BRIDGE DECK AND APPROACH WORK ONLY. SEE SITE PLAN FOR EXTENT OF WORK BEYOND BRIDGE DECK LIMITS.

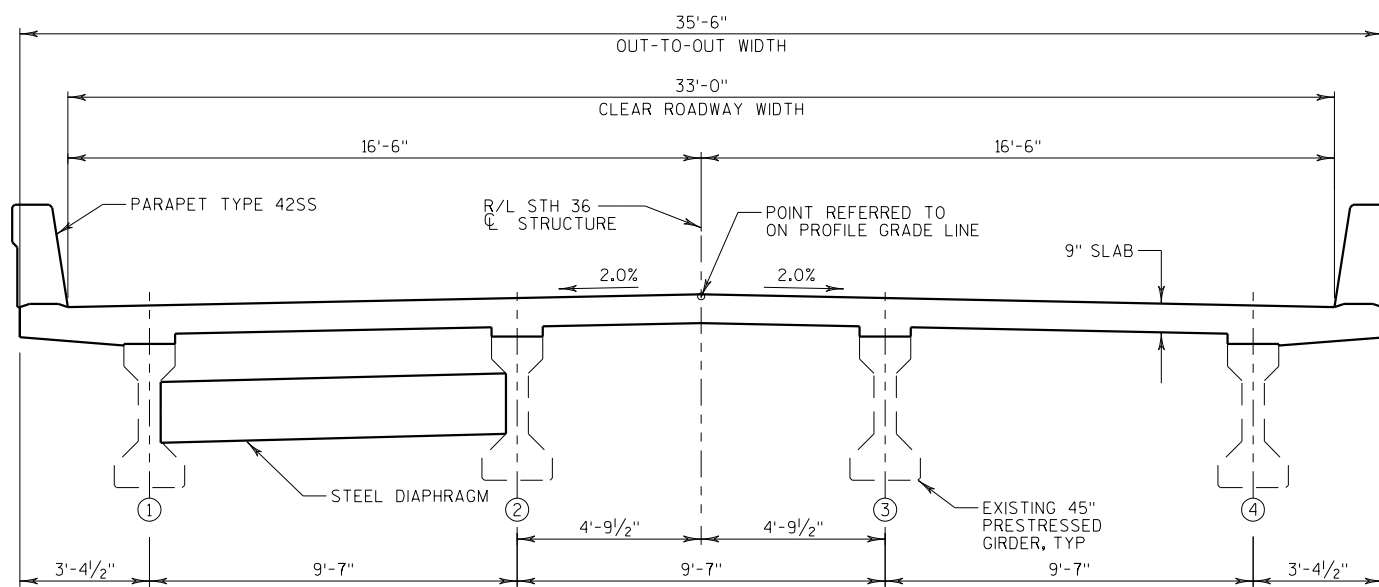


SLOPE RESTORATION DETAIL

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-51-56			
DRAWN BY JAD		PLANS CK'D. SJG	
PROFILE, NOTES & QUANTITIES		SHEET 2 OF 3 PRE_79	

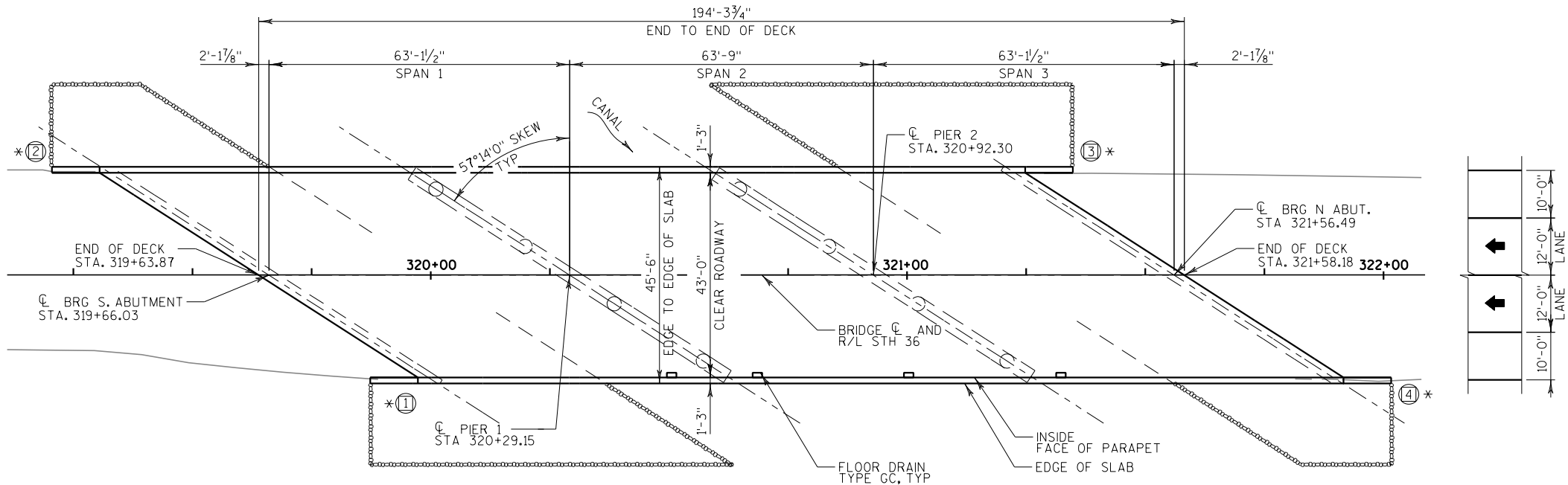
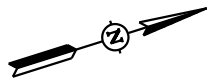


EXISTING SECTION THRU ROADWAY
(SHOWING REMOVAL - LOOKING NORTH)



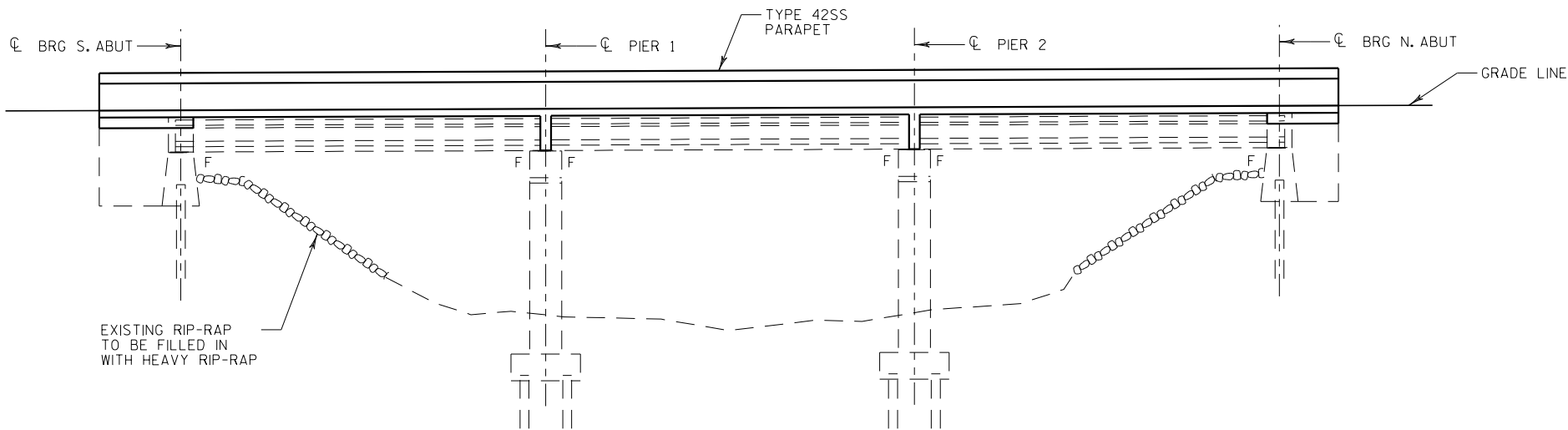
NEW SECTION THRU ROADWAY
(LOOKING NORTH)

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-51-56			
DRAWN BY		JAD	PLANS CK'D. SJG
CROSS SECTIONS		SHEET 3 OF 3 PRE_80	



PLAN

(DECK REPLACEMENT 3 SPAN 36" PRESTRESSED CONCRETE GIRDER BRIDGE)



ELEVATION

(LOOKING WEST)

BENCH MARK

ID	DESCRIPTION	STATION	ELEVATION
HMOD 9852	BRONZE WISDOT DISK IN TOP OF PARAPET AT SOUTHWEST CORNER OF B-51-57	STA. 319+21.47 22.7' LT.	780.98
CP_BM 32129	WISDOT DISK IN TOP OF PARAPET AT NORTHWEST CORNER OF B-51-57	STA. 321+29.70 22.4' LT.	781.49

LEGEND

* PROVIDE FOR THRIE BEAM
GUARD RAIL ATTACHMENT

○ - INDICATES WING NUMBER

CONTACTS

CONSULTANT CONTACT
SCOTT GINAL
(262)-317-3344

BRIDGE OFFICE CONTACT
WILLIAM DREHER
(608)-266-8489

STATE PROJECT NUMBER

2240-00-77

DESIGN DATA

LIVE LOAD:
DESIGN LOADING (DECK): HL-93
DESIGN LOADING (EXISTING GIRDERS): HS-20
INVENTORY RATING FACTOR: RF-TBD
OPERATING RATING FACTOR: RF-TBD
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): TBD

STRUCTURE IS DESIGNED FOR A FUTURE WEARING
SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:
CONCRETE MASONRY
SUPERSTRUCTURE ----- f'c = 4,000 P.S.I.
ALL OTHER ----- f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT,
GRADE 60 ----- fy = 60,000 P.S.I.

TRAFFIC VOLUME

STH 36
A.D.T. = 15,600 (2040)
R.D.S. = 60 M.P.H.

LIST OF DRAWINGS

- 1 GENERAL PLAN
- 2 PROFILE, NOTES AND QUANTITIES
- 3 CROSS SECTIONS

NO.	DATE	REVISION	BY
raSmith CREATIVITY BEYOND ENGINEERING			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____		DATE _____	
CHIEF STRUCTURES DESIGN ENGINEER			
STRUCTURE B-51-57			
STH 36 OVER WIND LAKE DRAINAGE CANAL			
COUNTY	RACINE	TOWN/CITY/VILLAGE	ROCHESTER
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	JAD	DESIGN CK'D.	SJG
DRAWN BY	JAD	PLANS CK'D.	SJG
GENERAL PLAN			SHEET 1 OF 3 PRE_81

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	PIER 1	PIER 2	NORTH ABUT.	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS (320+60)	LS	---	---	---	---	---	---
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-51-57	LS	---	---	---	---	---	---
209.0200.S	BACKFILL CONTROLLED LOW STRENGTH	CY	---	---	---	---	---	---
210.1500	BACKFILL STRUCTURE TYPE A	TON	---	---	---	---	---	---
502.0100	CONCRETE MASONRY BRIDGES	CY	---	---	---	---	---	---
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	---	---	---
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	---	---	---	---	---	---
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	---	---	---	---	---	---
506.4000	STEEL DIAPHRAGMS B-51-57	EACH	---	---	---	---	---	---
509.1500	CONCRETE SURFACE REPAIR	SF	---	---	---	---	---	---
514.0445	FLOOR DRAINS TYPE GC	EACH	---	---	---	---	---	---
514.2625	DOWNSPOUT 6-INCH	LF	---	---	---	---	---	---
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	---	---	---	---	---	---
606.0300	RIPRAP HEAVY	CY	---	---	---	---	---	---
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	---	---	---	---	---	---
645.0120	GEOTEXTILE TYPE HR	SY	---	---	---	---	---	---
SPV.0165.XX	FIBER WRAP REINFORCING	SF	---	---	---	---	---	---

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.

THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH EQUAL TO TBD INCHES.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE FOLLOWING SURFACES:ENTIRE TOP OF DECK, AND TO THE TOP AND TRAFFIC SIDE OF CONCRETE PARAPET.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND 3-D SCAN DATA TAKEN BY R.A. SMITH NATIONAL ON MAY 22, 2015.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

VARIATIONS TO THE NEW GRADE LINE OVER ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE DESIGNER FOR REVIEW.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND STANDARD DETAIL DRAWING I2A3. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR.

FILL VOIDS UNDER EAST AND WEST ABUTMENT AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR UNDER BID ITEM "BACKFILL CONTROLLED LOW STRENGTH".

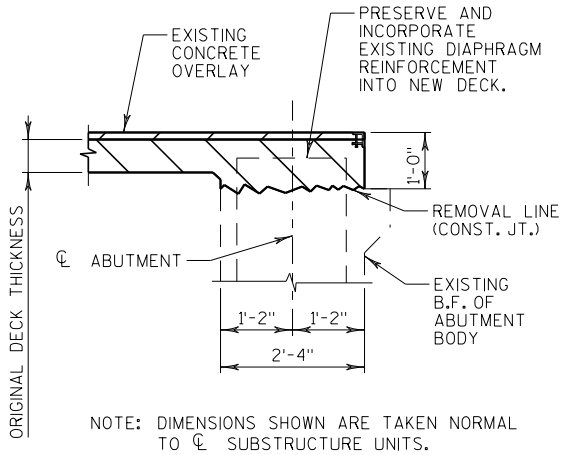
CONCRETE FOR ABUTMENT AND PIER DIAPHRAGMS SHALL BE PLACED WITH THE DECK CONCRETE. OPTIONAL CONSTRUCTION JOINT WILL BE PERMITTED.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE 'HR' TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET.

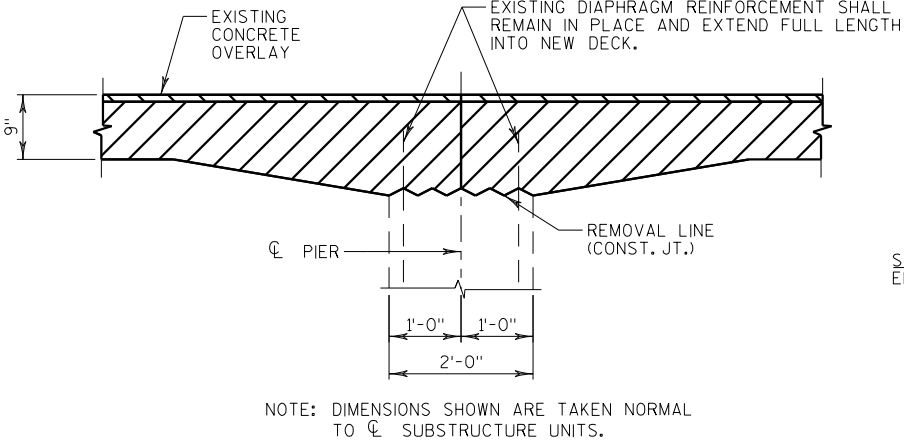
ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT.

CONCRETE SURFACE REPAIR IS REQUIRED AT ALL SUBSTRUCTURE UNITS AND THE REPAIR QUANTITIES SHALL BE VERIFIED BY THE ENGINEER.

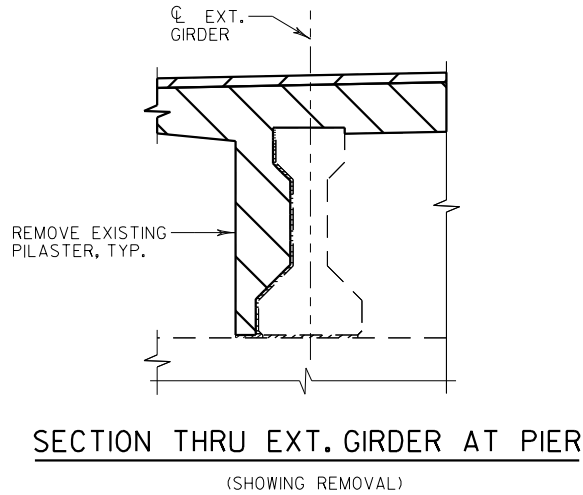
A FIBER-REINFORCED POLYMER (FRP) STRENGTHENING SYSTEM SHALL BE DESIGNED AND APPLIED TO PORTIONS OF THE EXISTING GIRDERS AS SHOWN IN THESE PLANS AND IN ACCORDANCE WITH THE "FIBER WRAP REINFORCING" SPECIAL PROVISIONS.



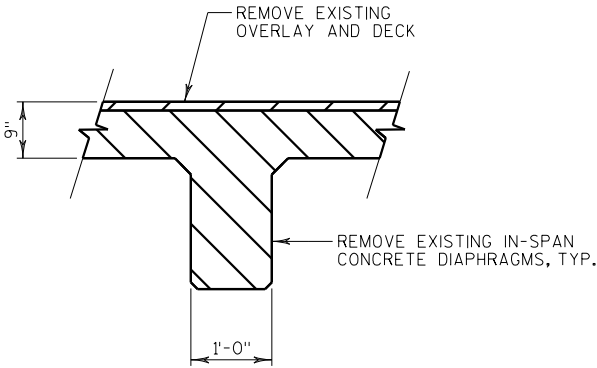
SECTION AT ABUTMENTS
(SHOWING REMOVAL)



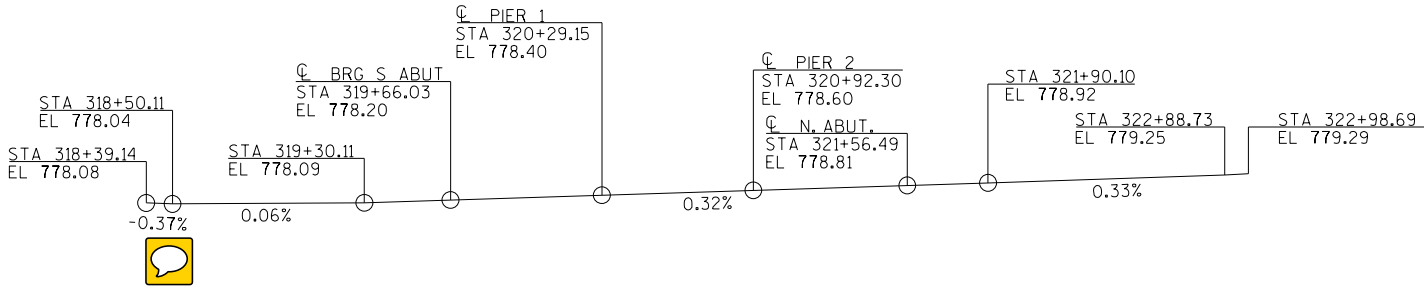
SECTION THRU PIER
(SHOWING REMOVAL)



SECTION THRU EXT. GIRDER AT PIER
(SHOWING REMOVAL)

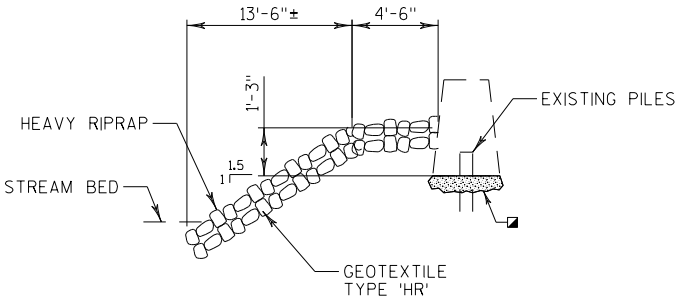


SECTION THRU EXISTING
IN-SPAN CONCRETE DIAPHRAGMS
(SHOWING REMOVAL)



PROFILE GRADE LINE B-51-57

THE PROFILE GRADE LINE HERE SHALL BE USED FOR THE BRIDGE DECK AND APPROACH WORK ONLY. SEE SITE PLAN FOR EXTENT OF WORK BEYOND BRIDGE DECK LIMITS.



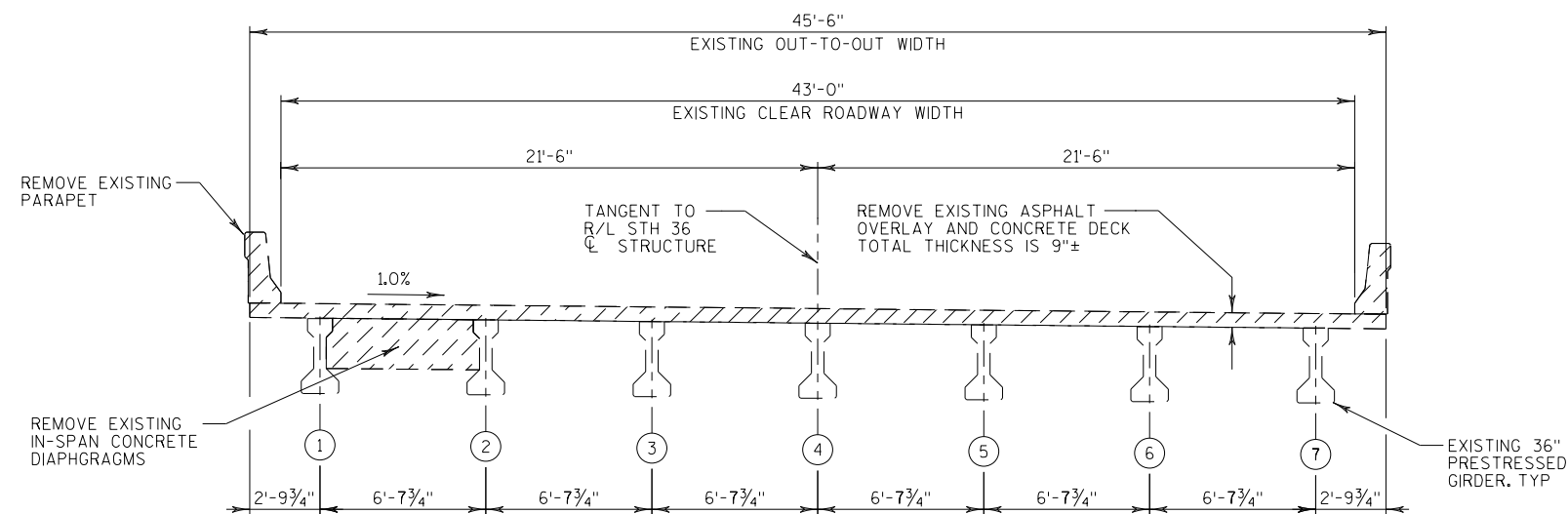
SLOPE RESTORATION DETAIL

STATE PROJECT NUMBER
2240-00-77

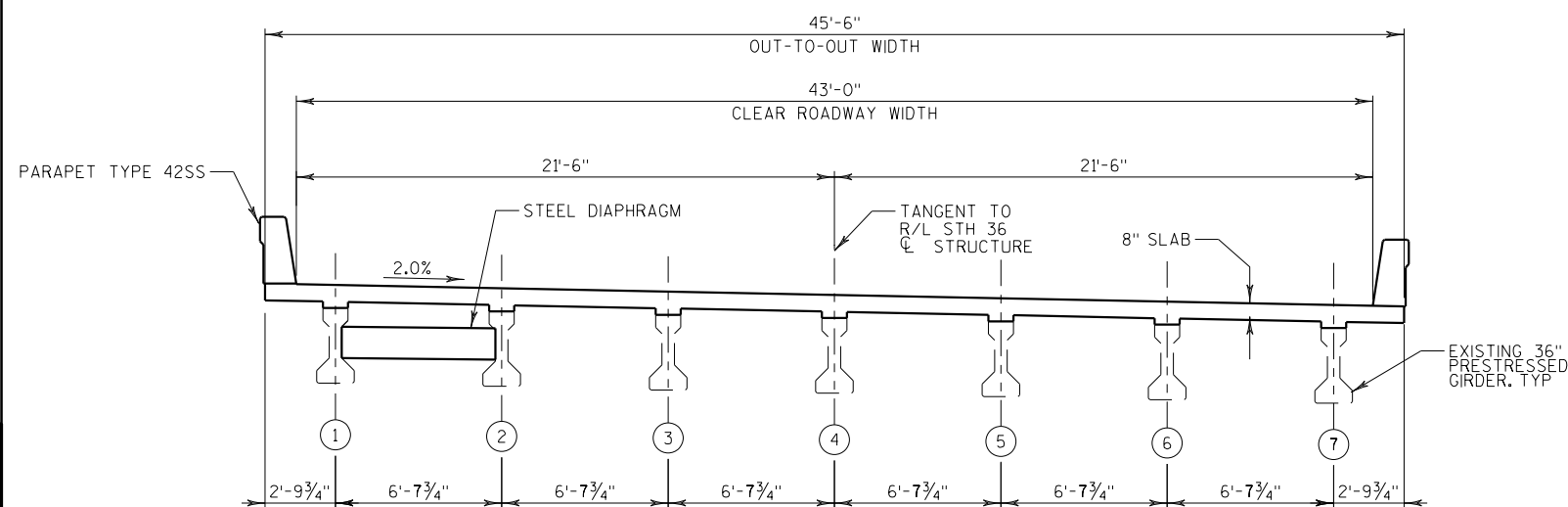
LEGEND

- REPAIR SCoured AREAS UNDER NORTH ABUTMENT USING BACKFILL CONTROLLED LOW STRENGTH.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-51-57			
	DRAWN BY	JAD	PLANS CK'D. SJG
PROFILE, NOTES & QUANTITIES			SHEET 2 OF 3 PRE_82

**EXISTING SECTION THRU ROADWAY**

(SHOWING REMOVAL - LOOKING NORTH)

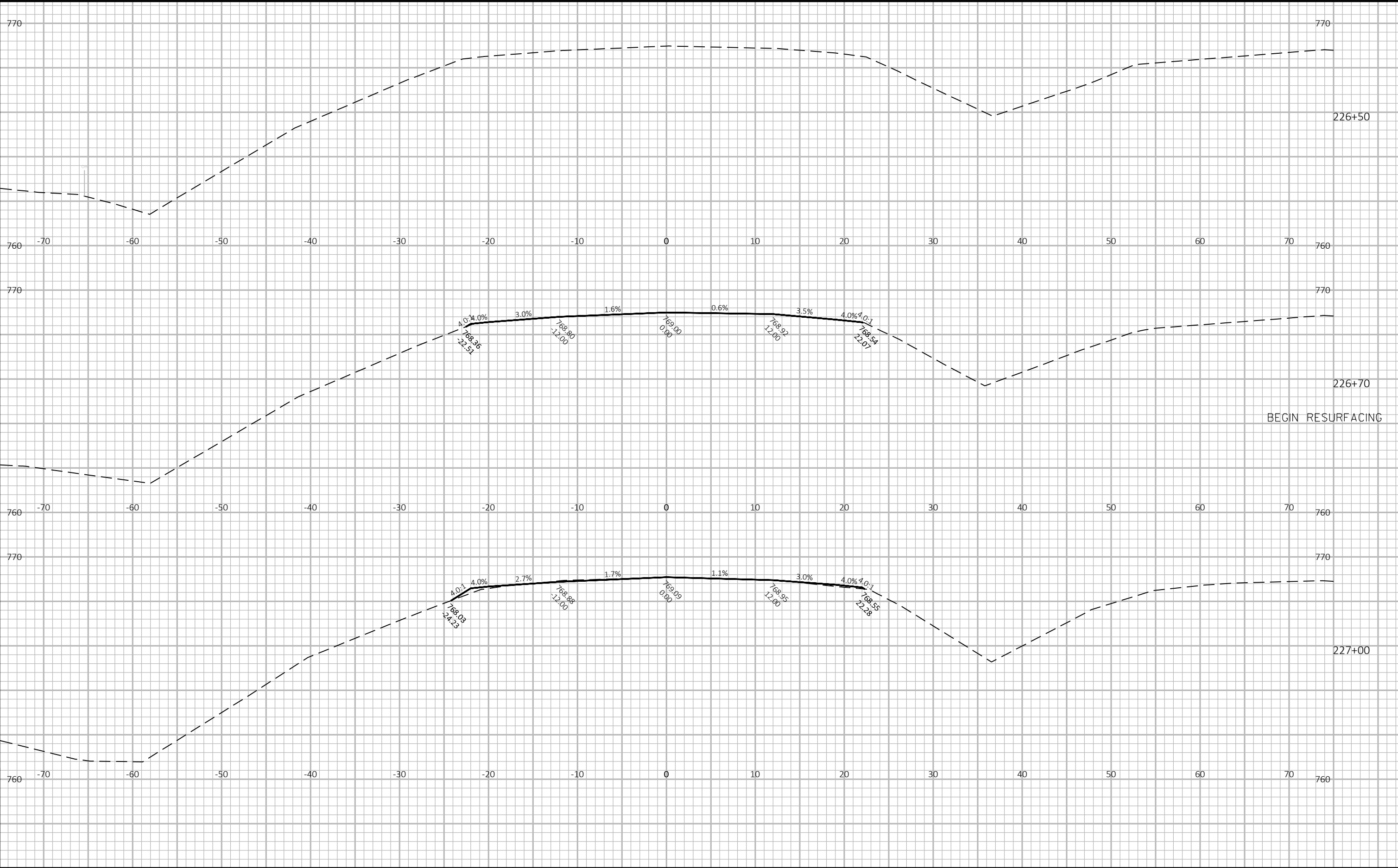
**NEW SECTION THRU ROADWAY**

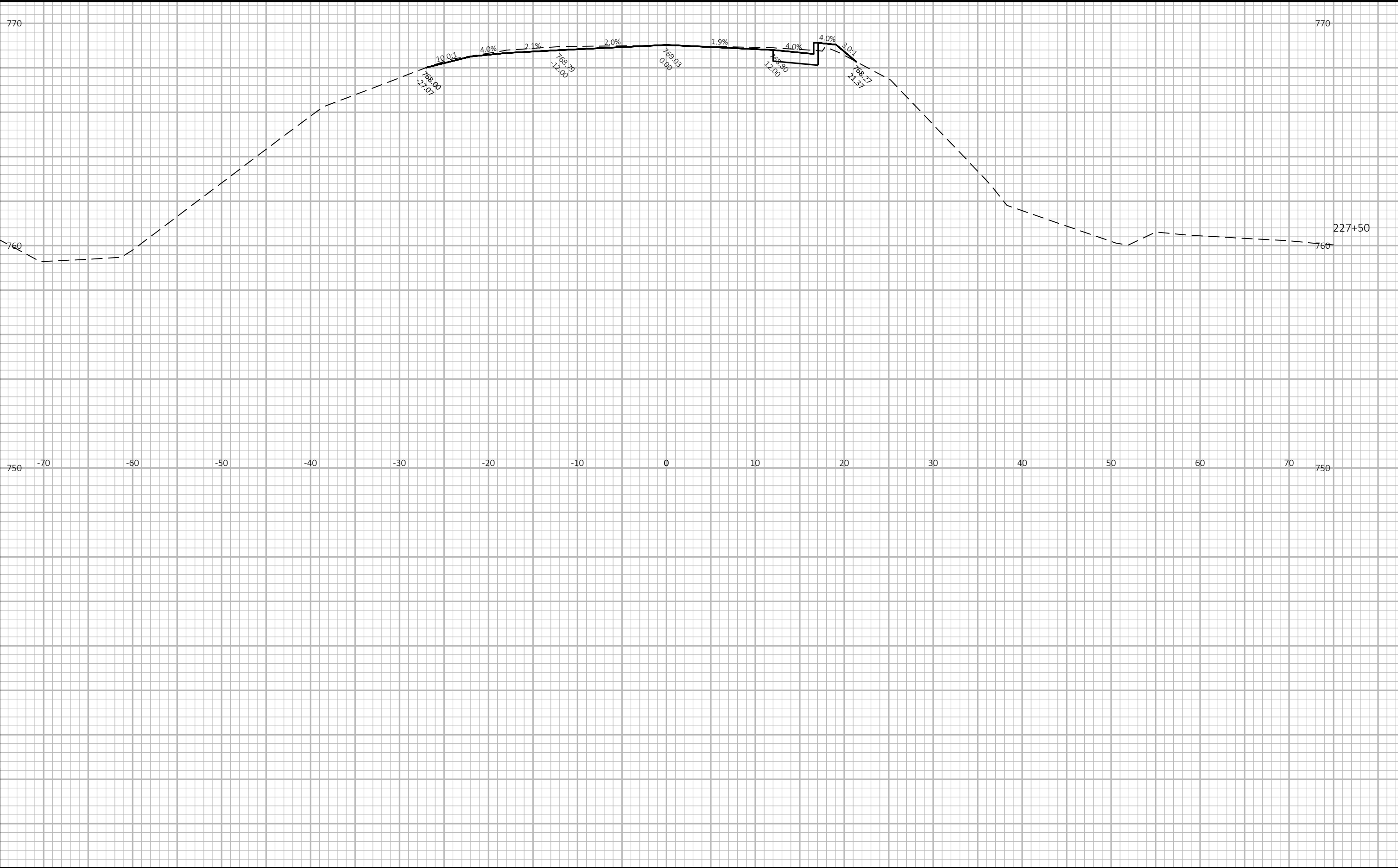
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8

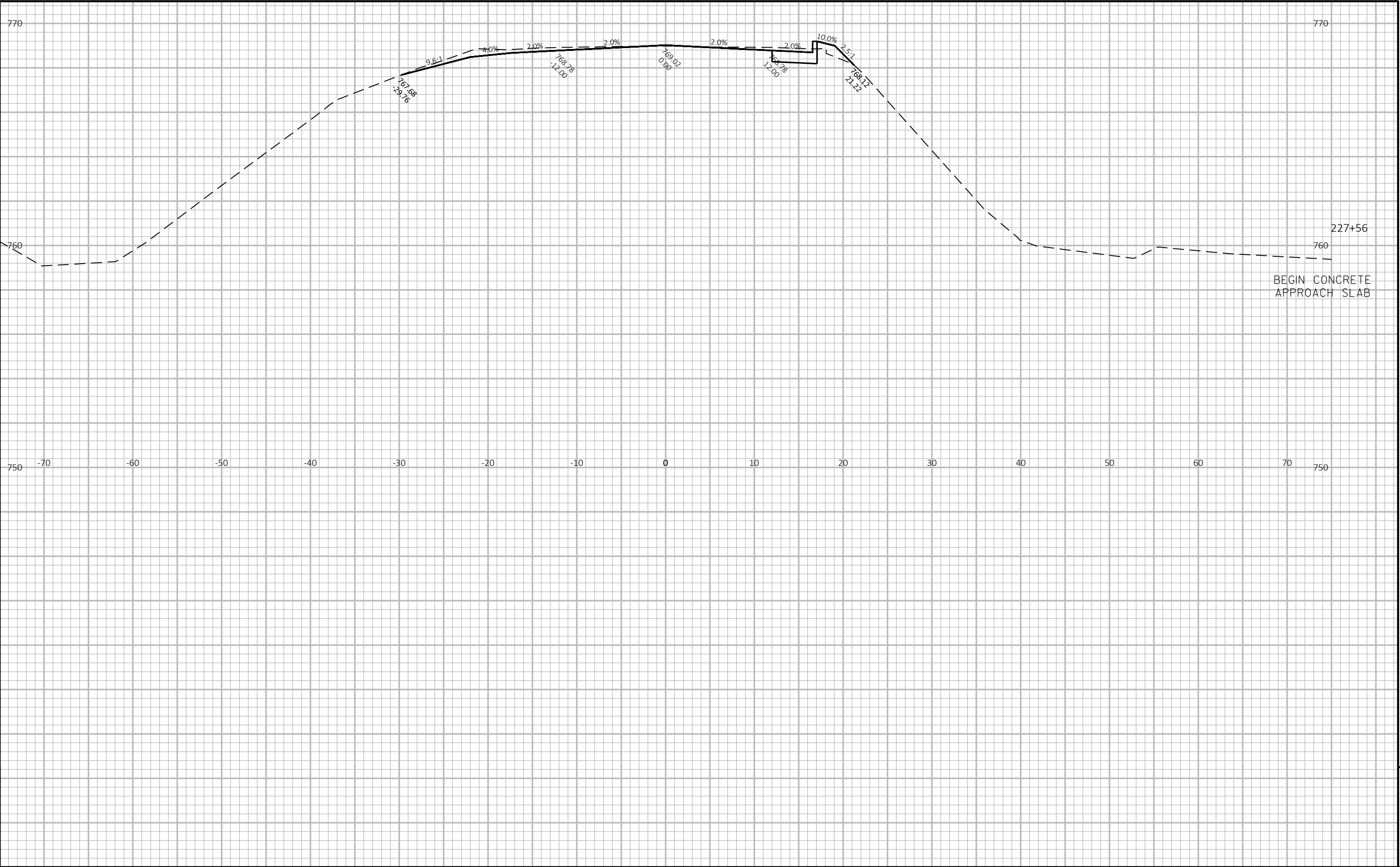
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-51-57			
DRAWN BY		JAD	PLANS CK'D. SJG
CROSS SECTIONS		SHEET 3 OF 3 PRE_83	





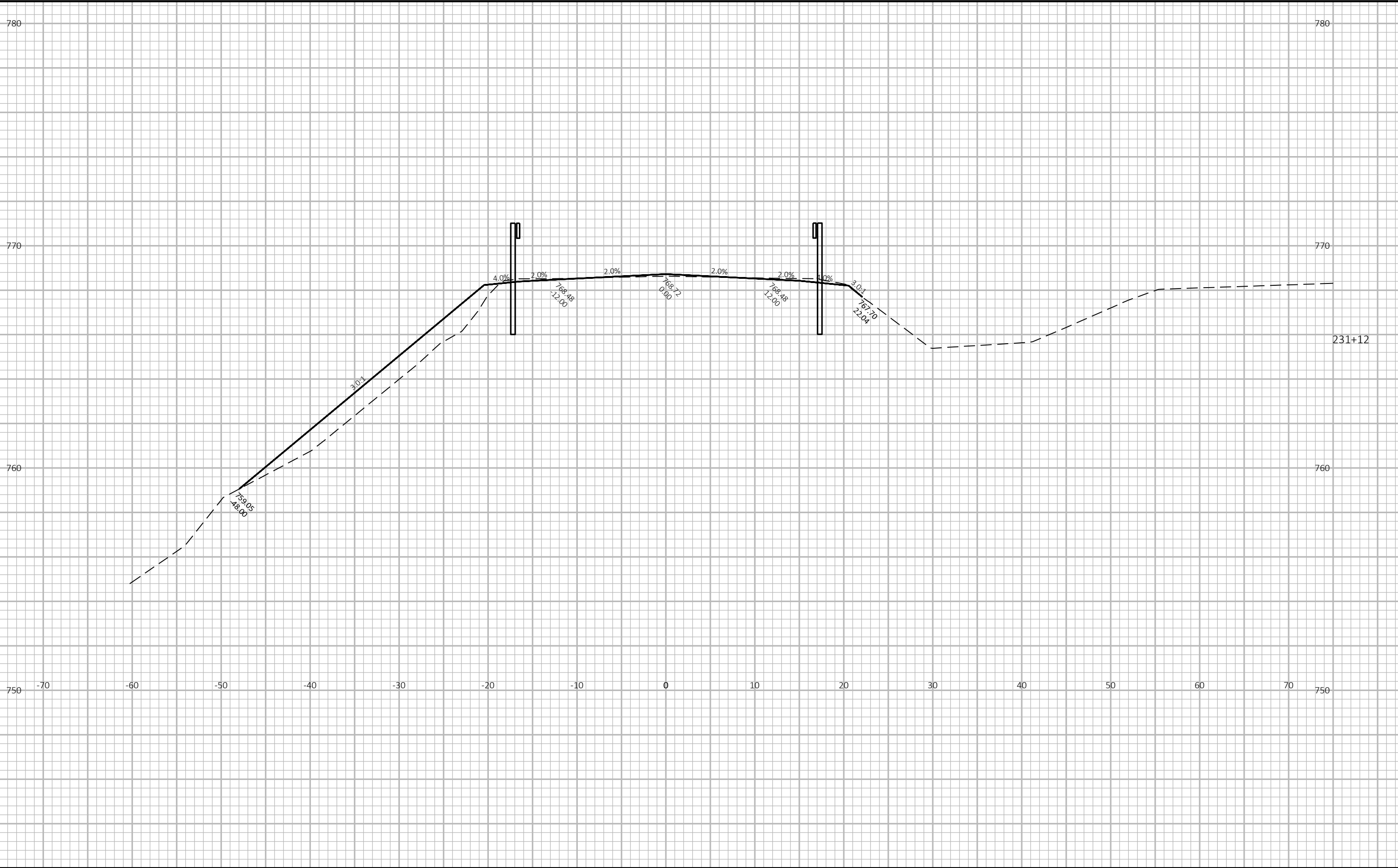
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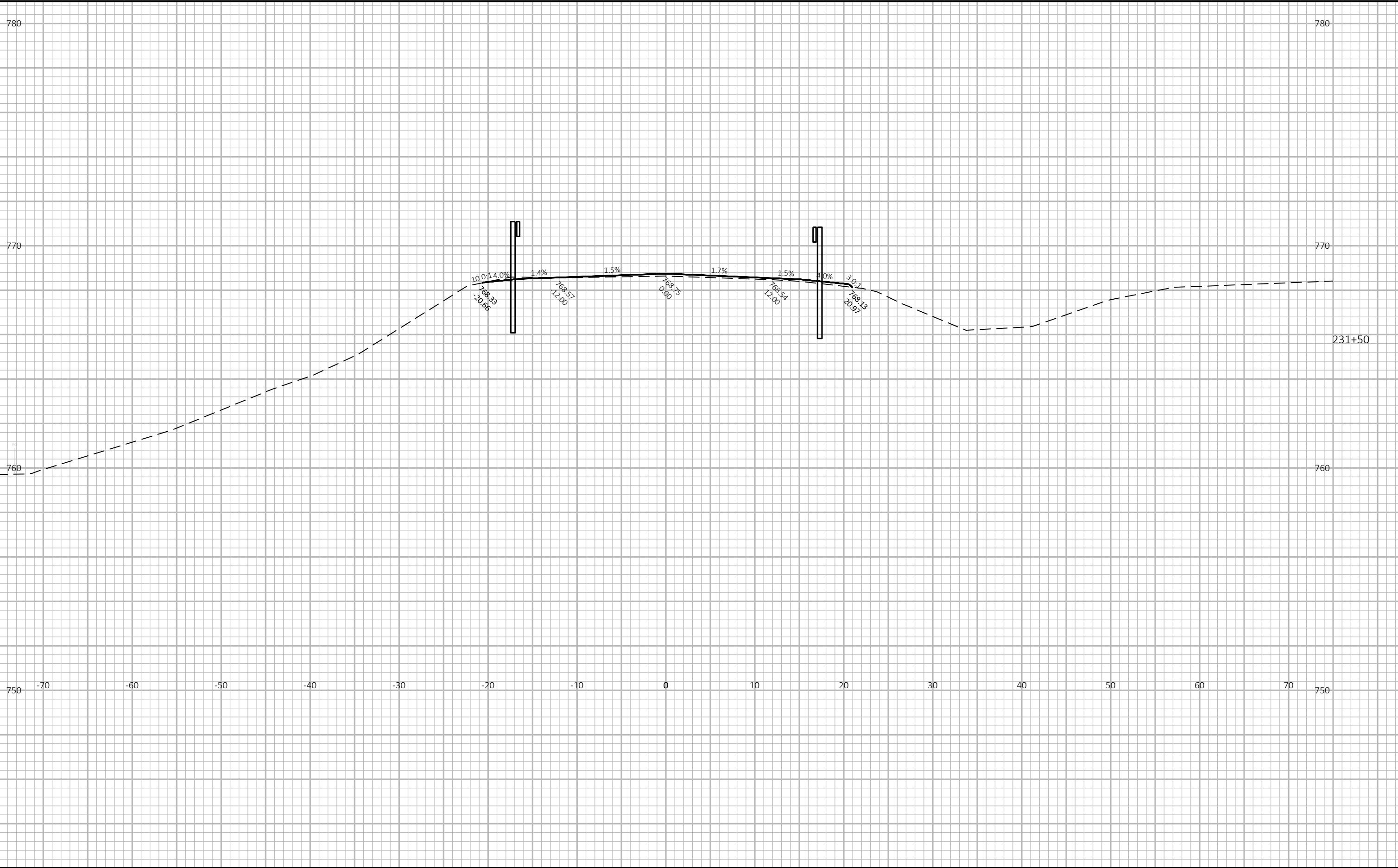
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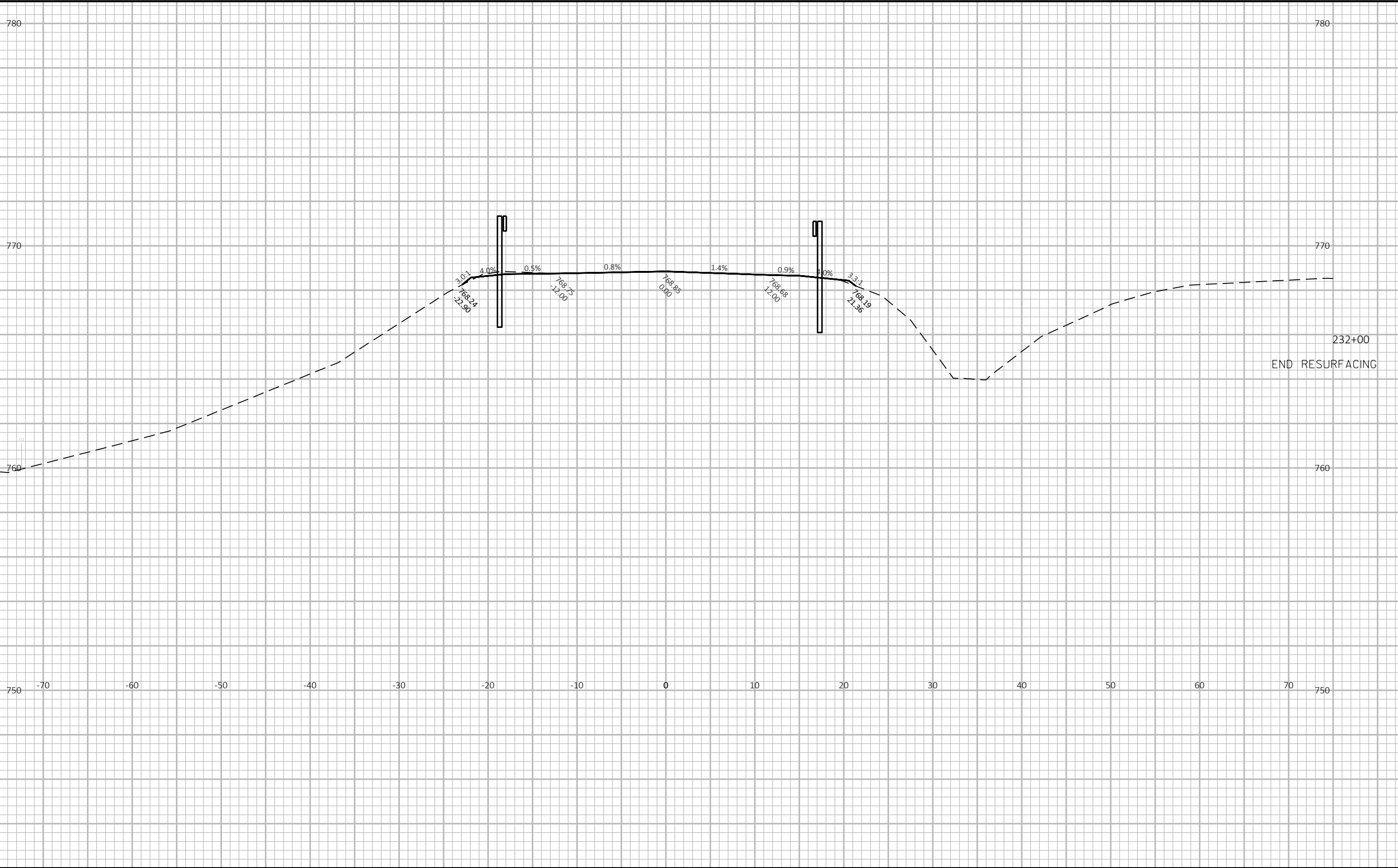
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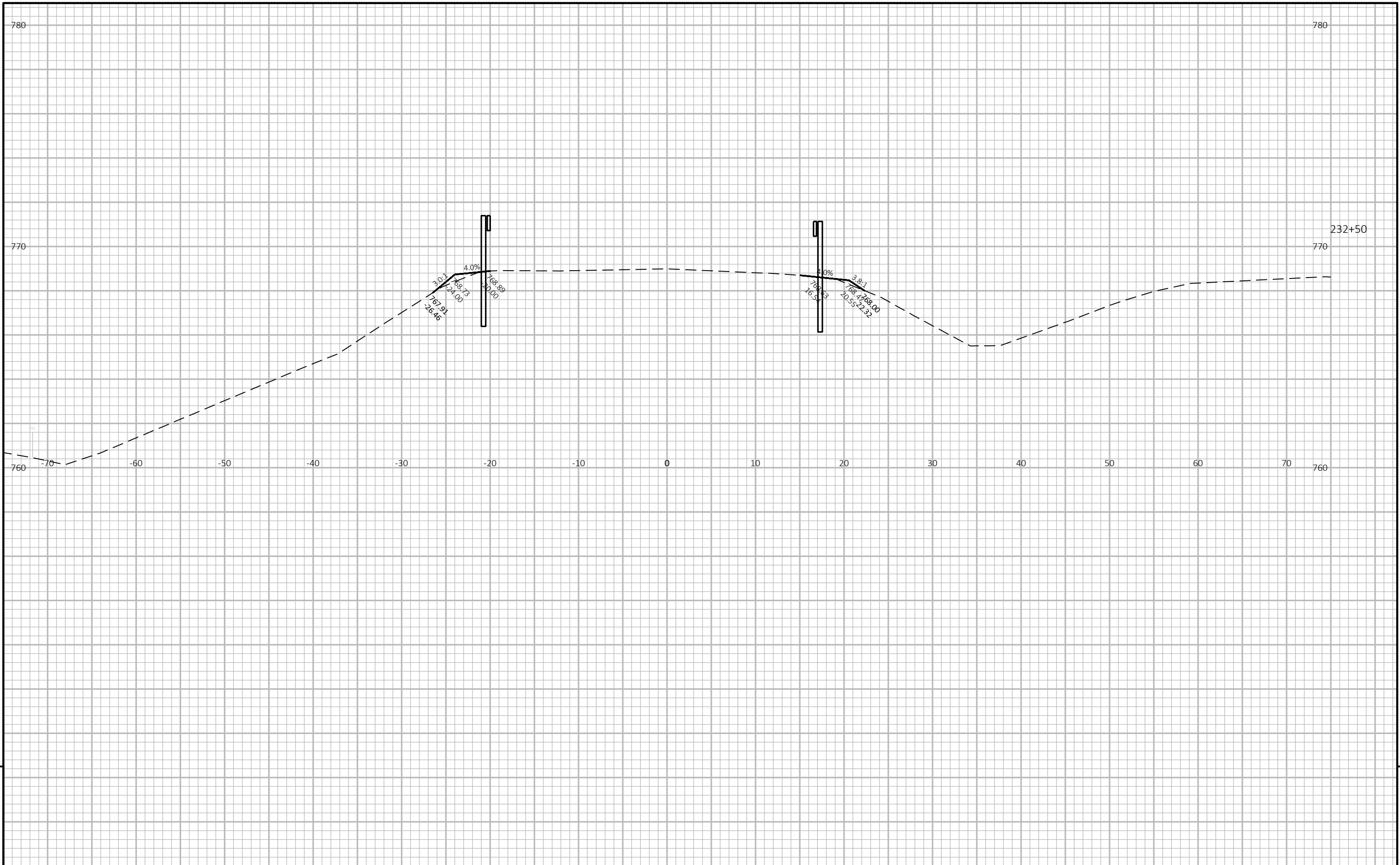
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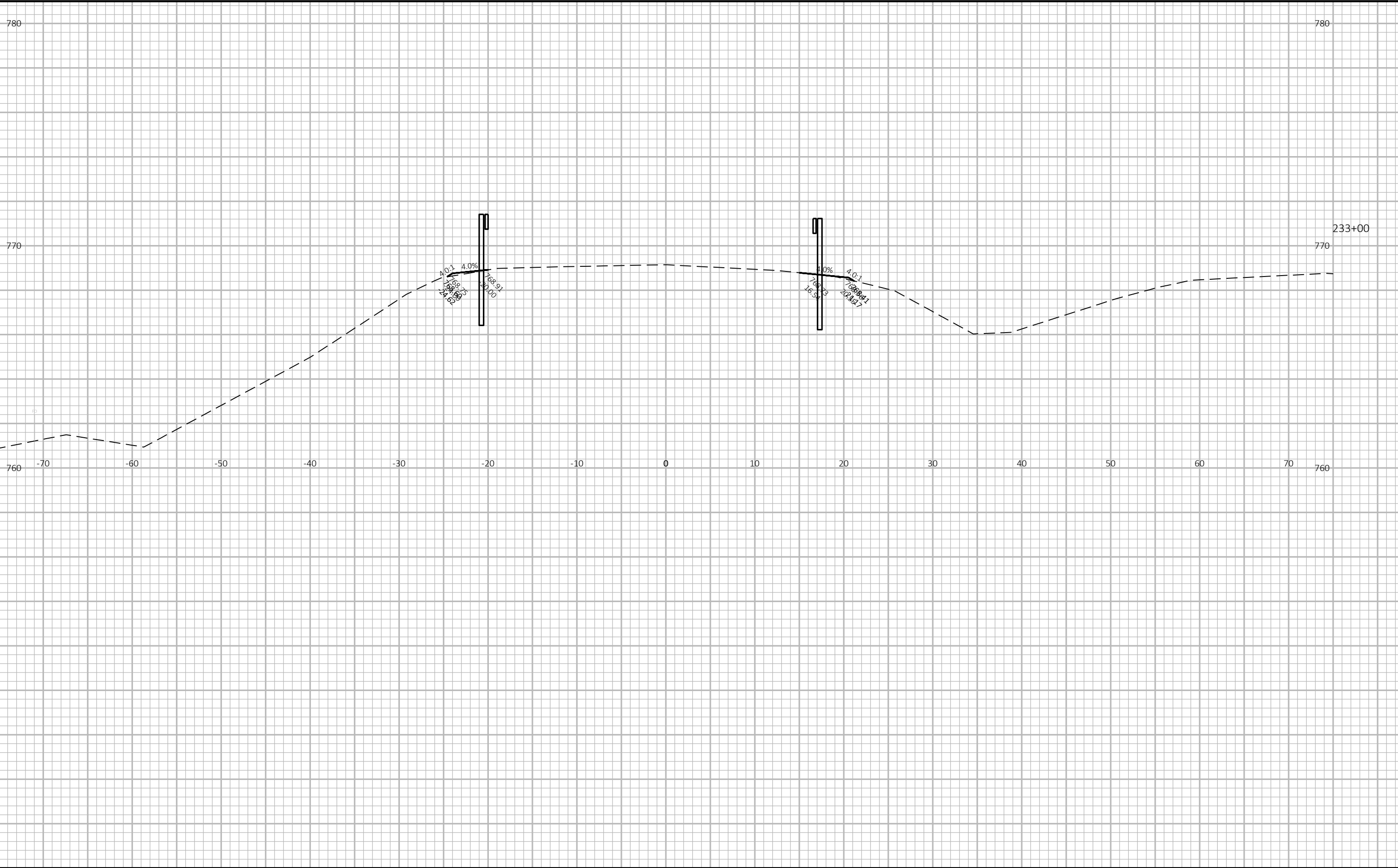
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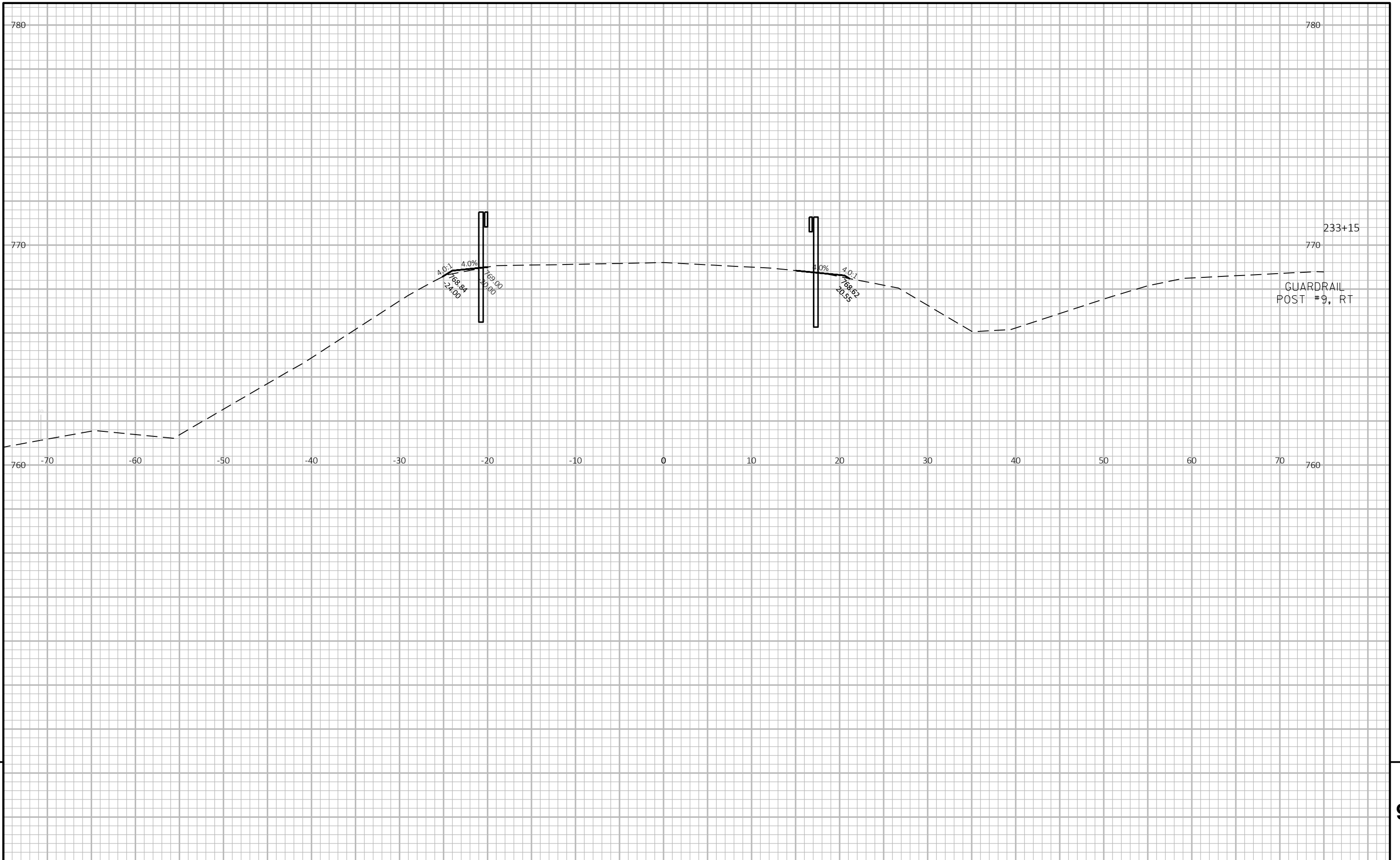
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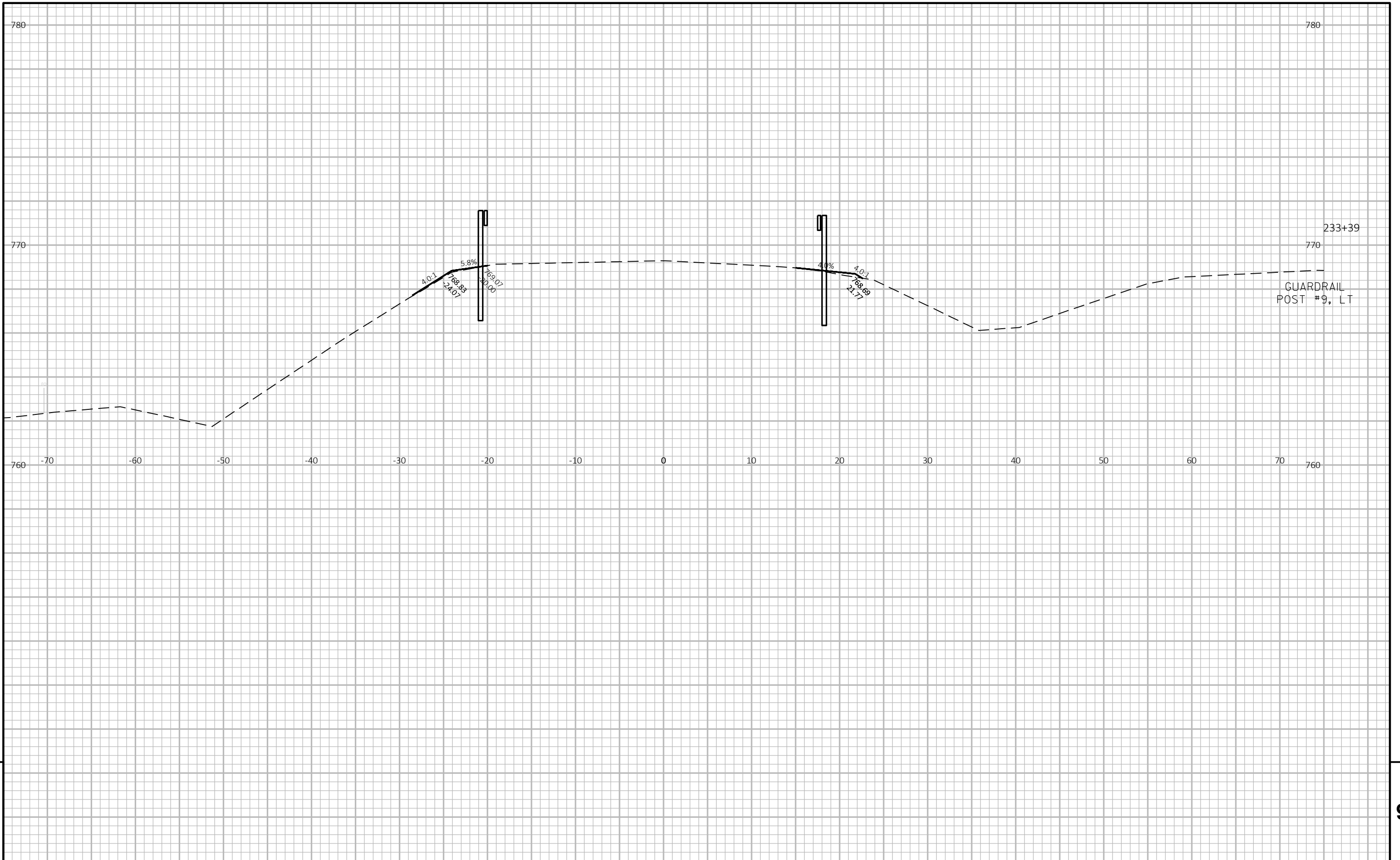
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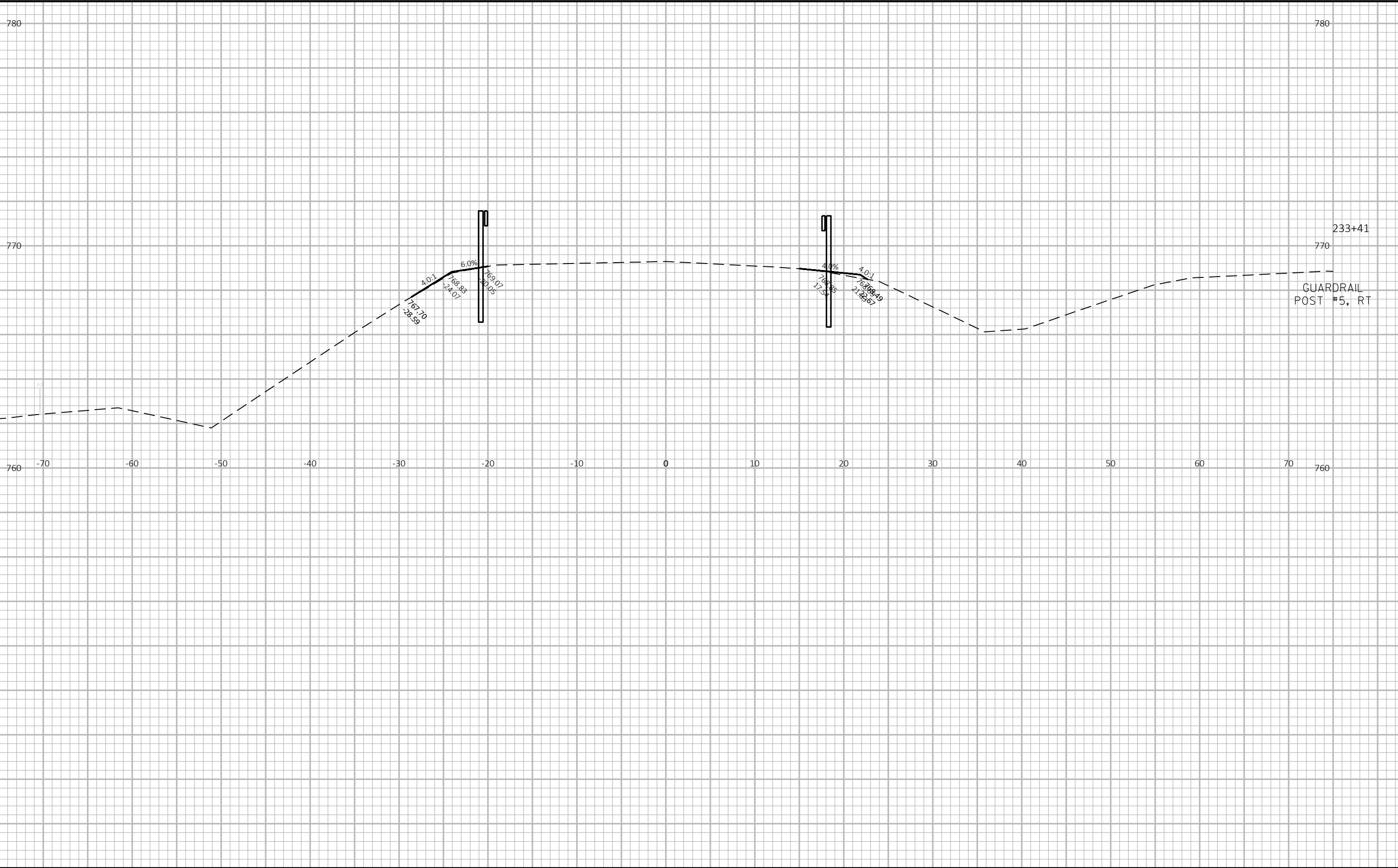
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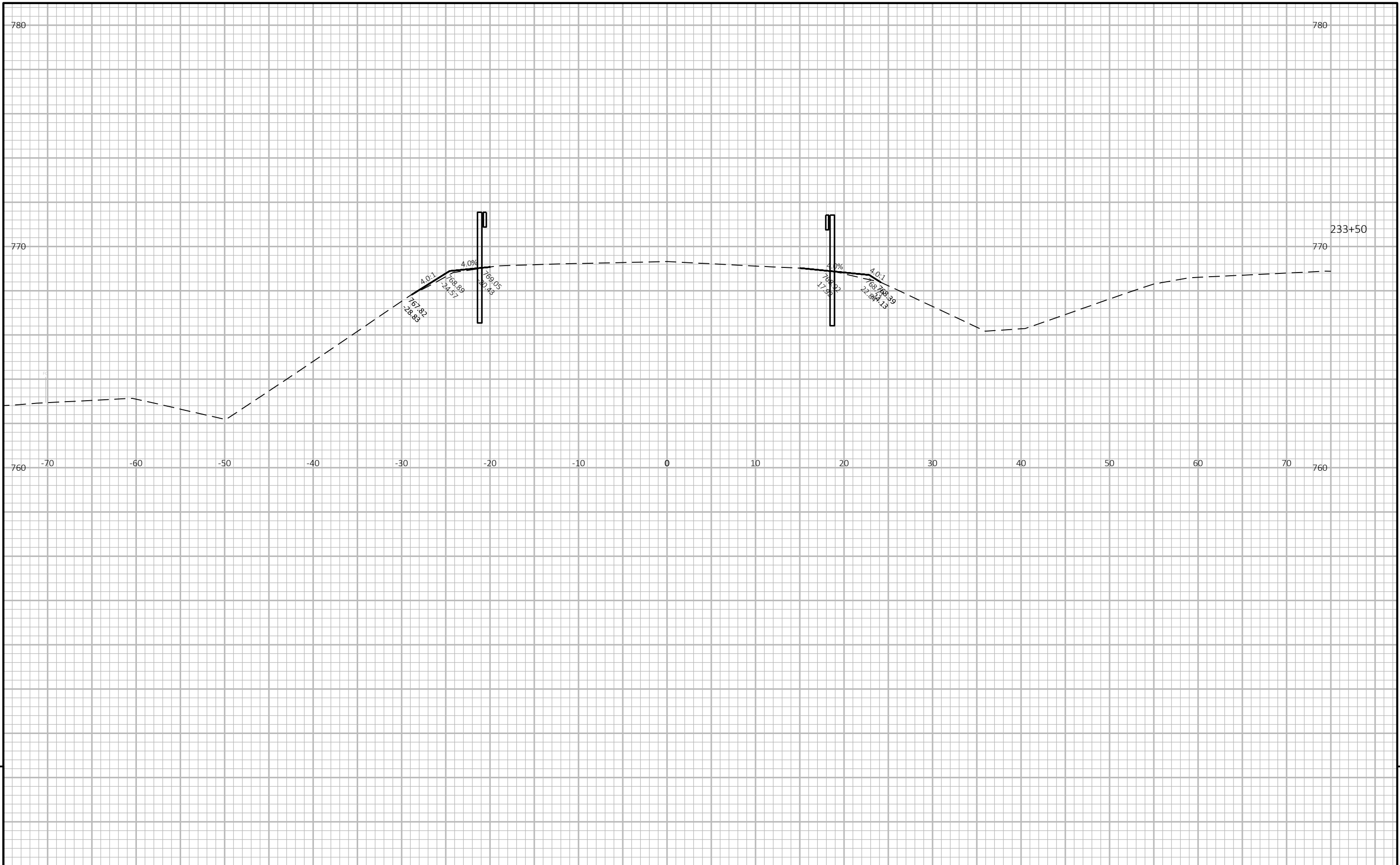
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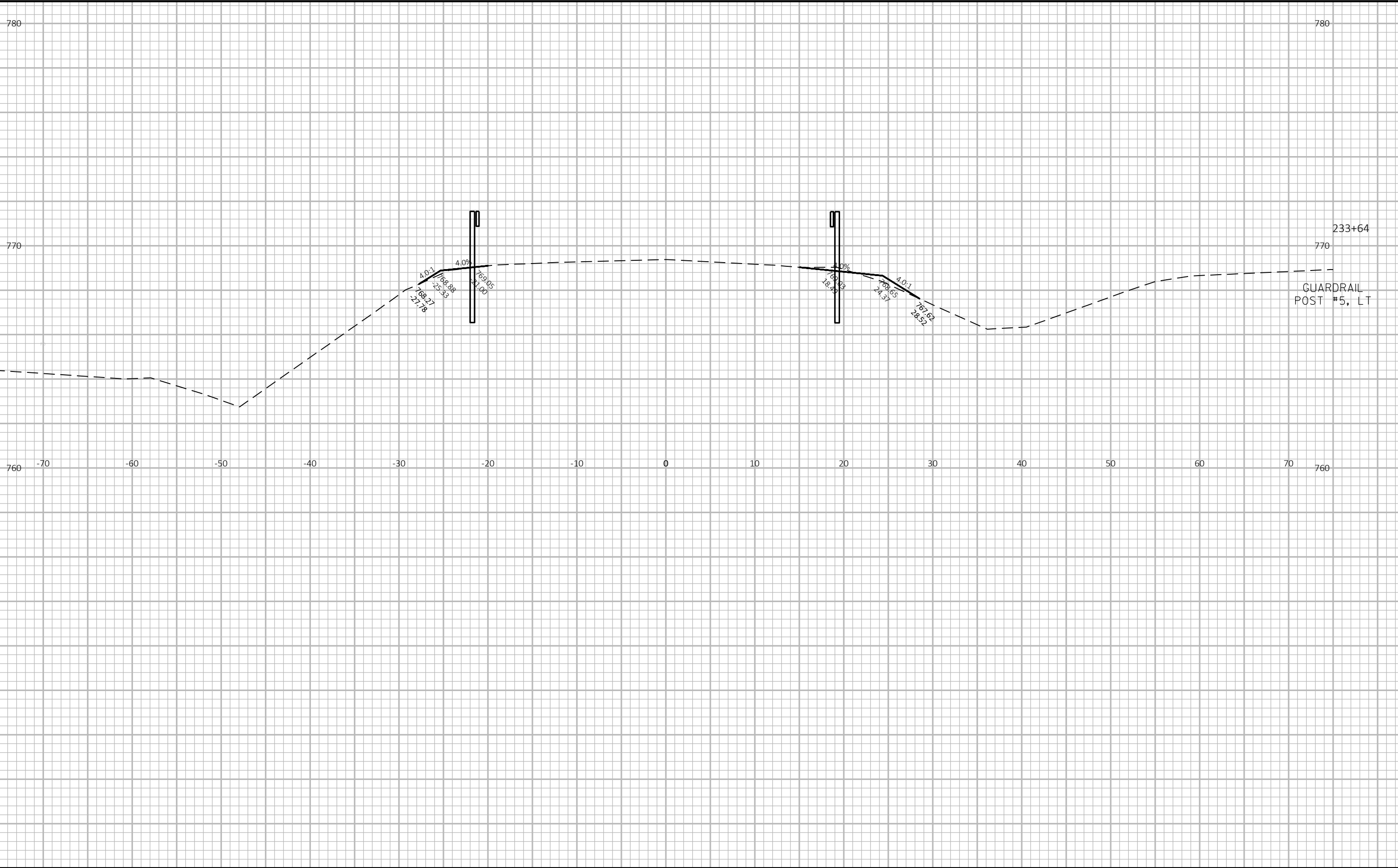
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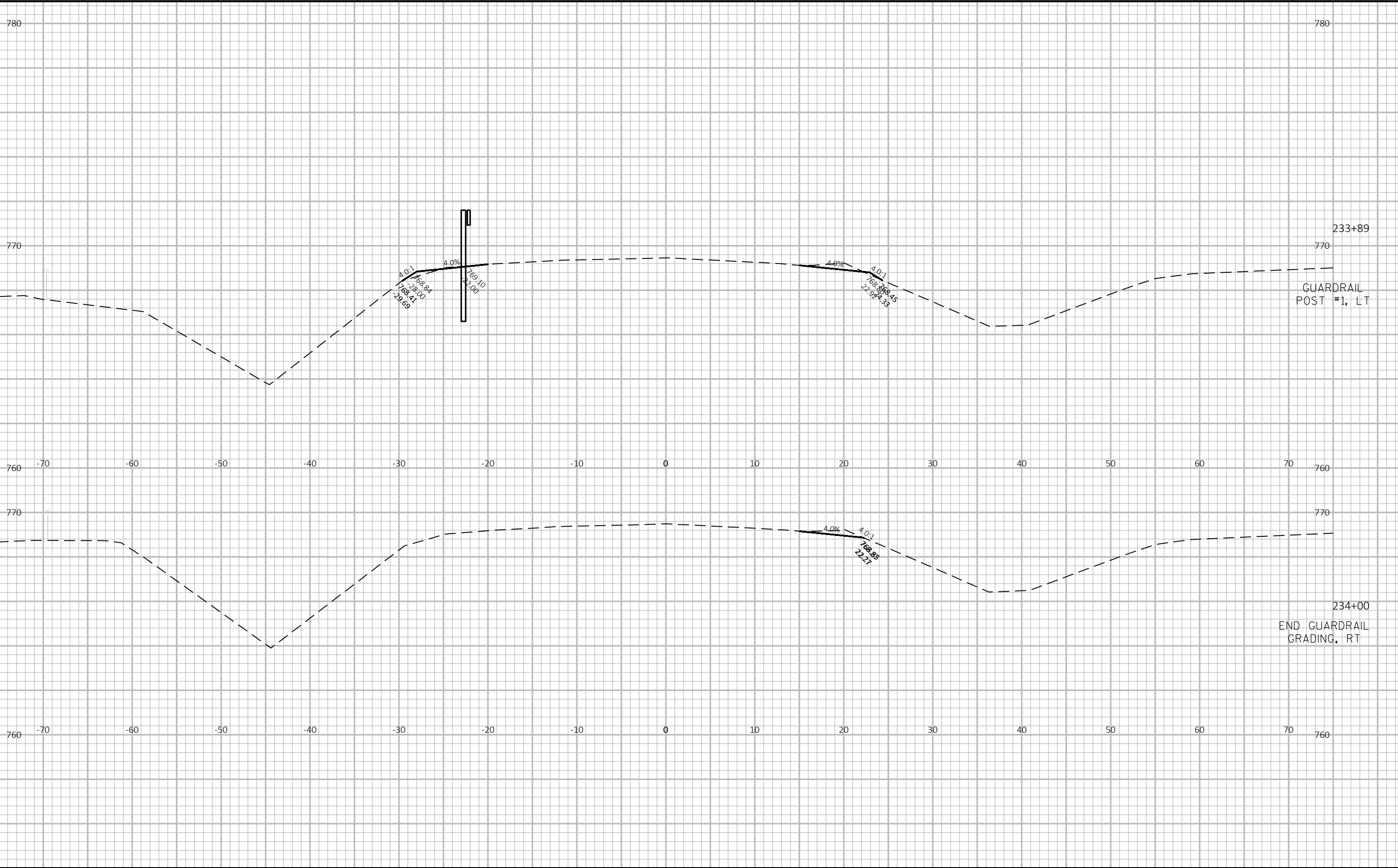
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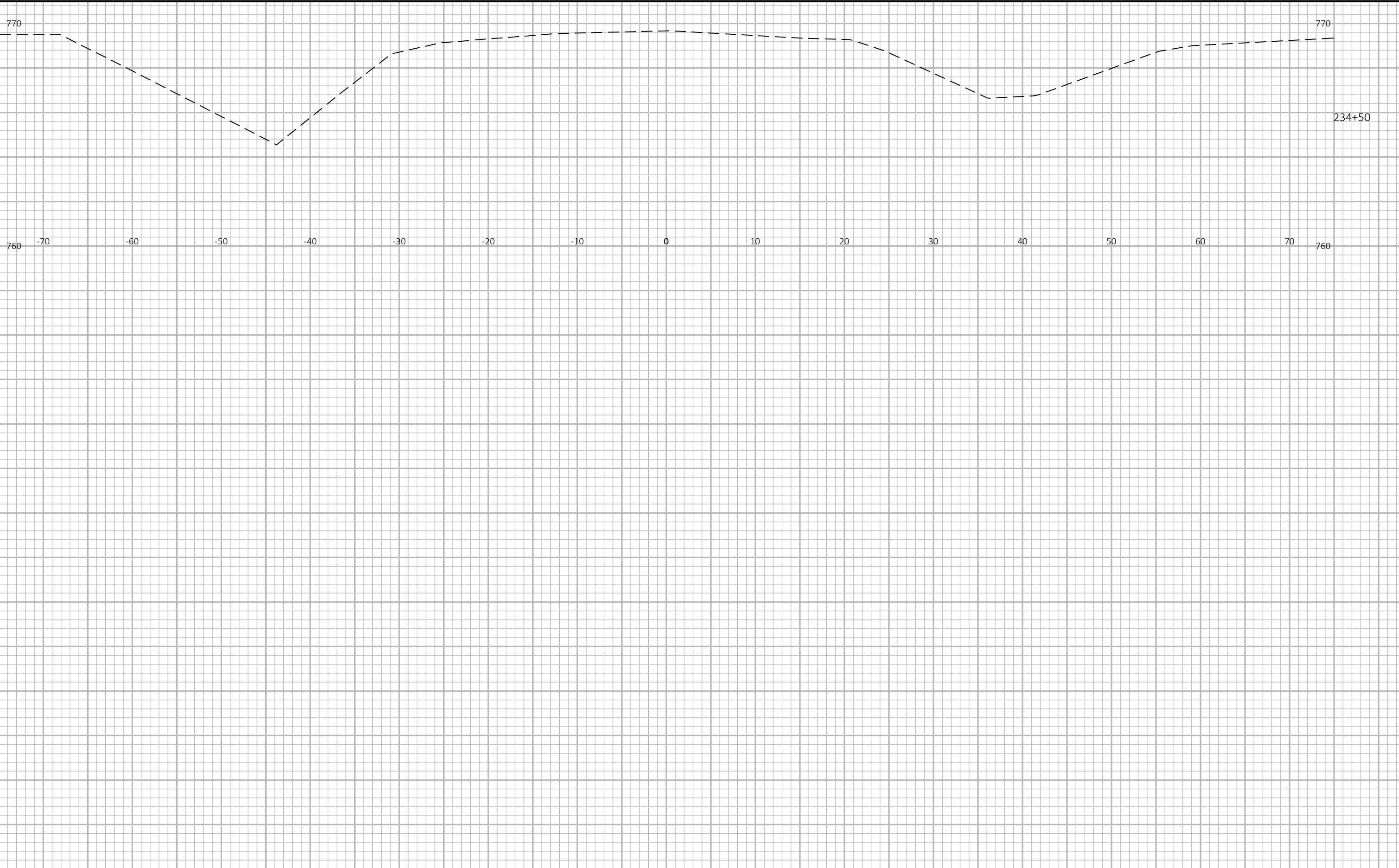
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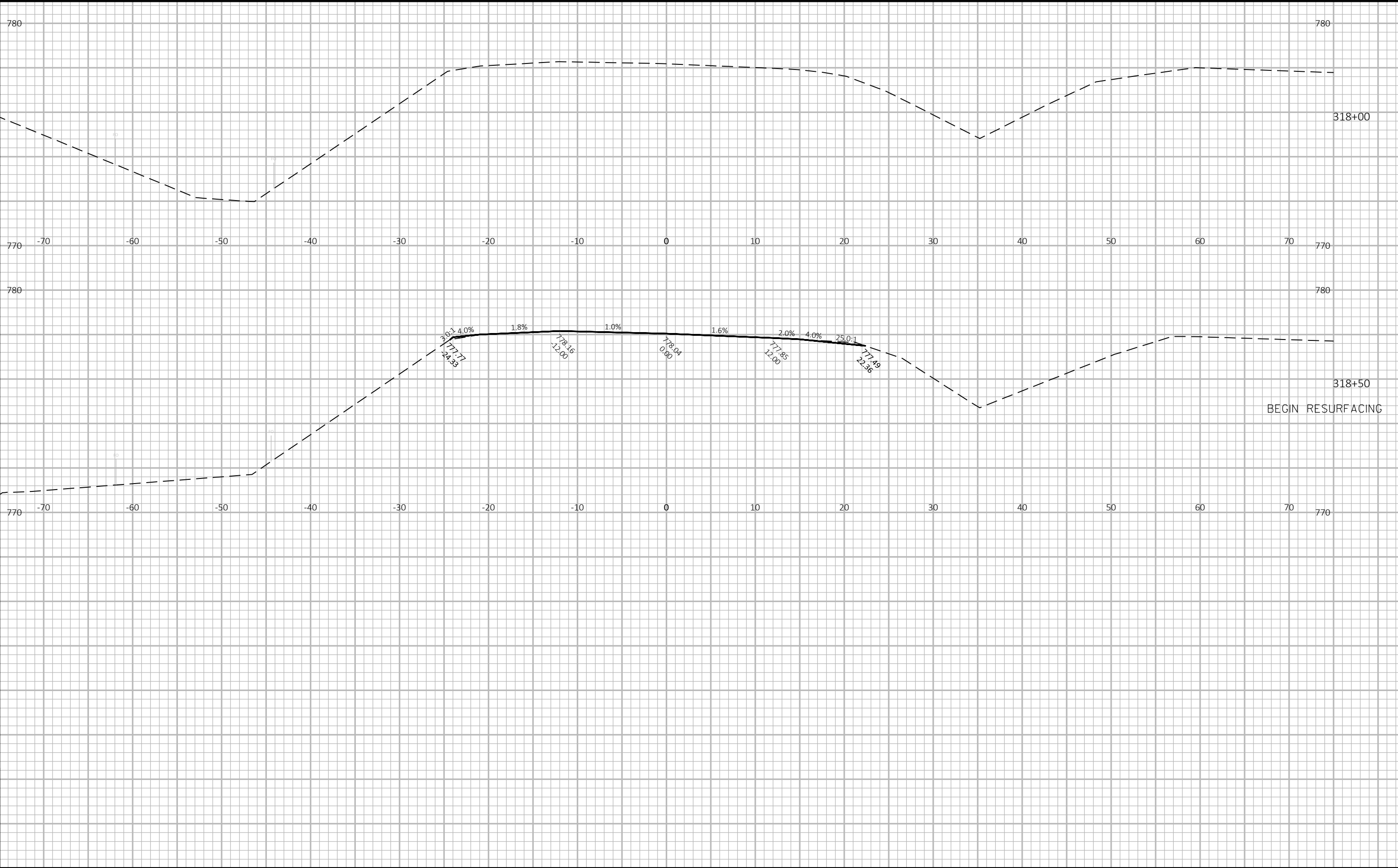
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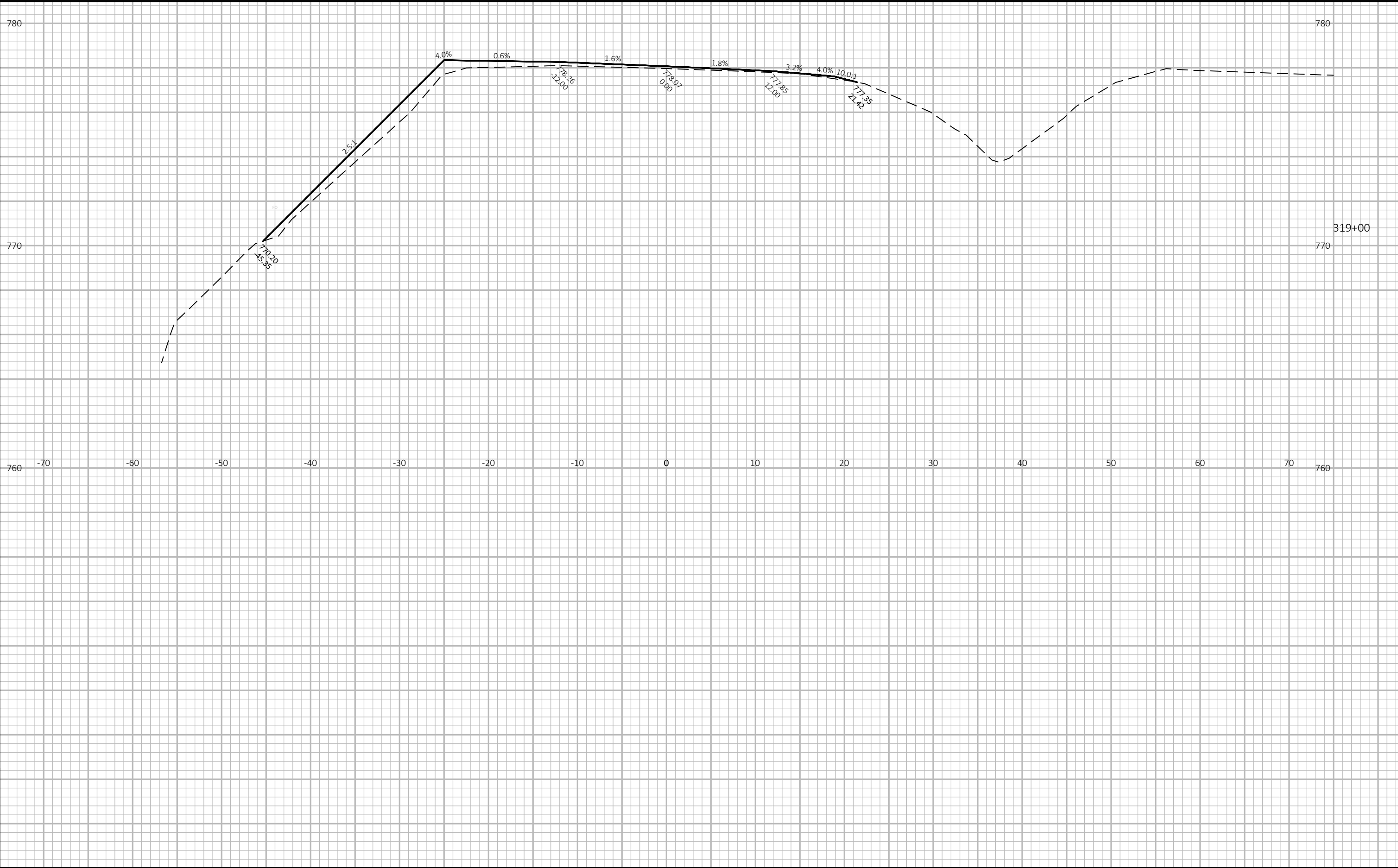
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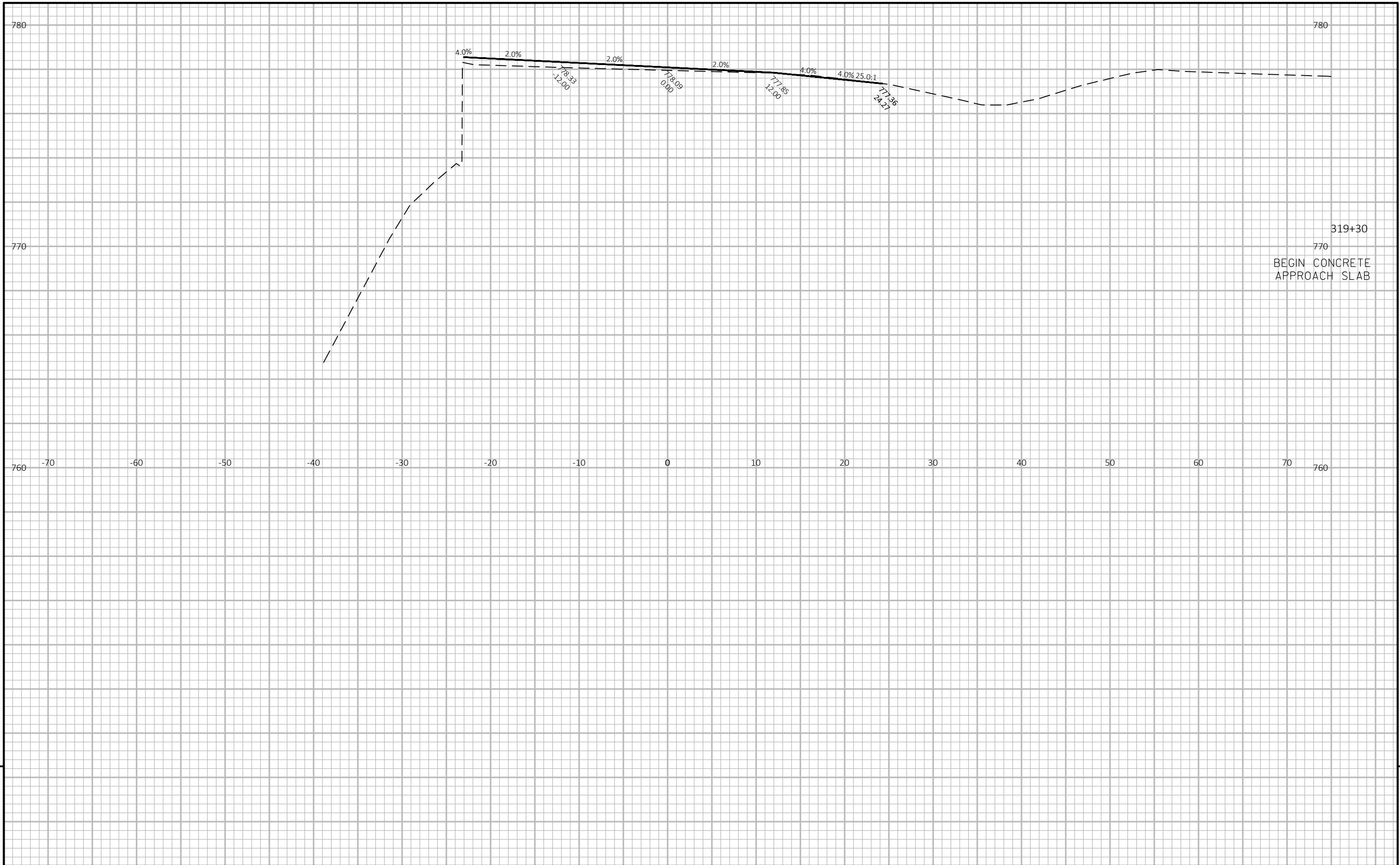
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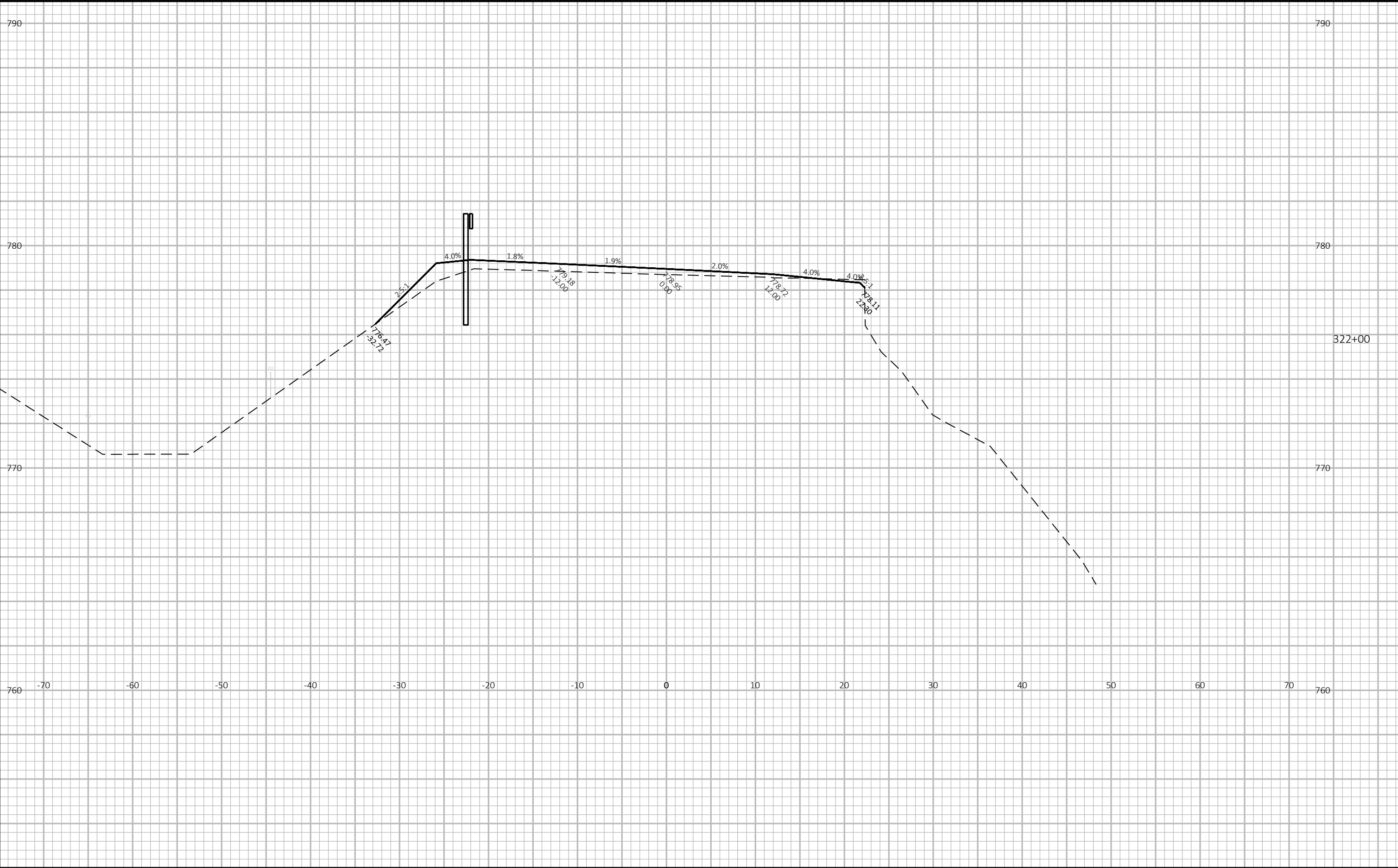
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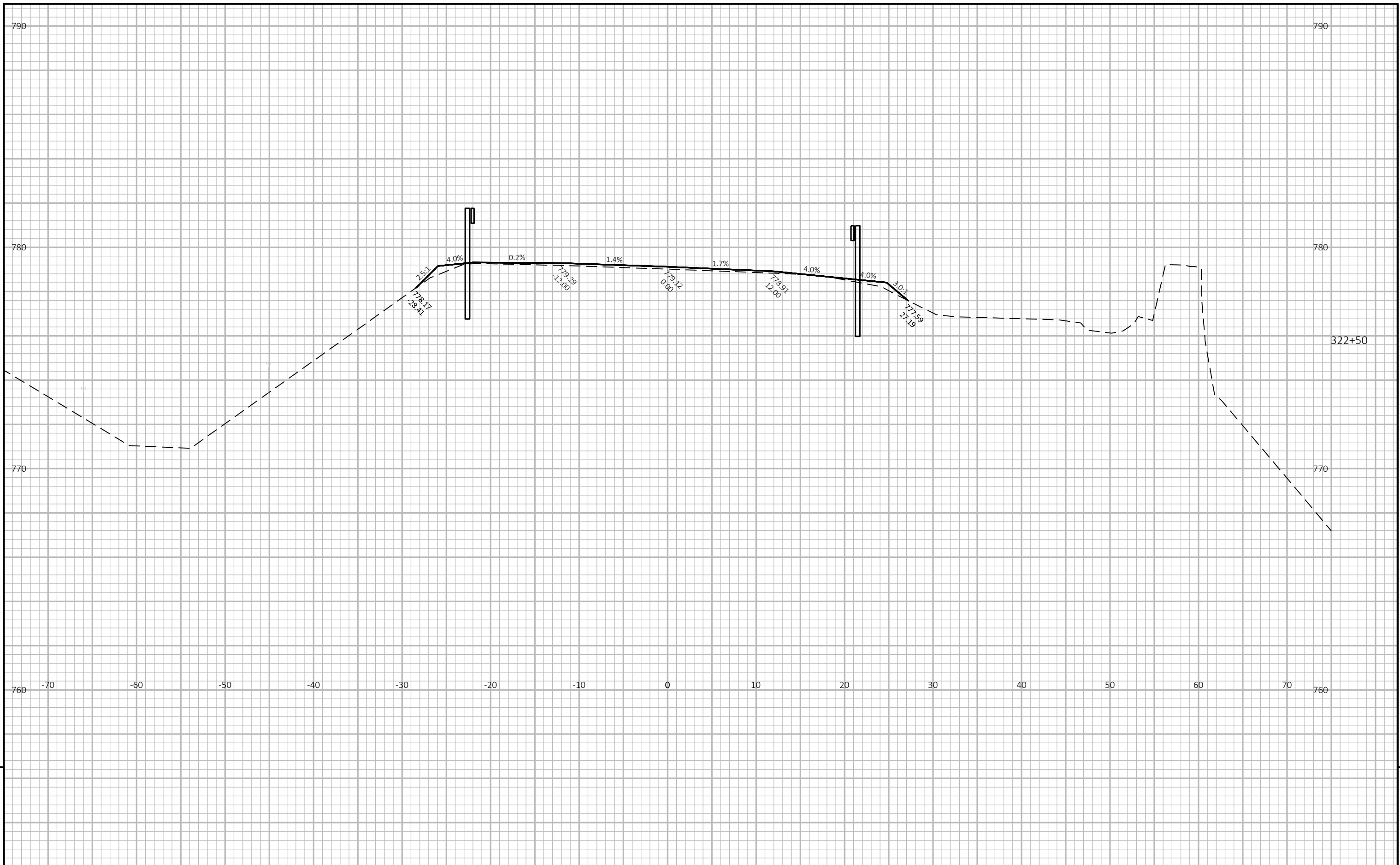
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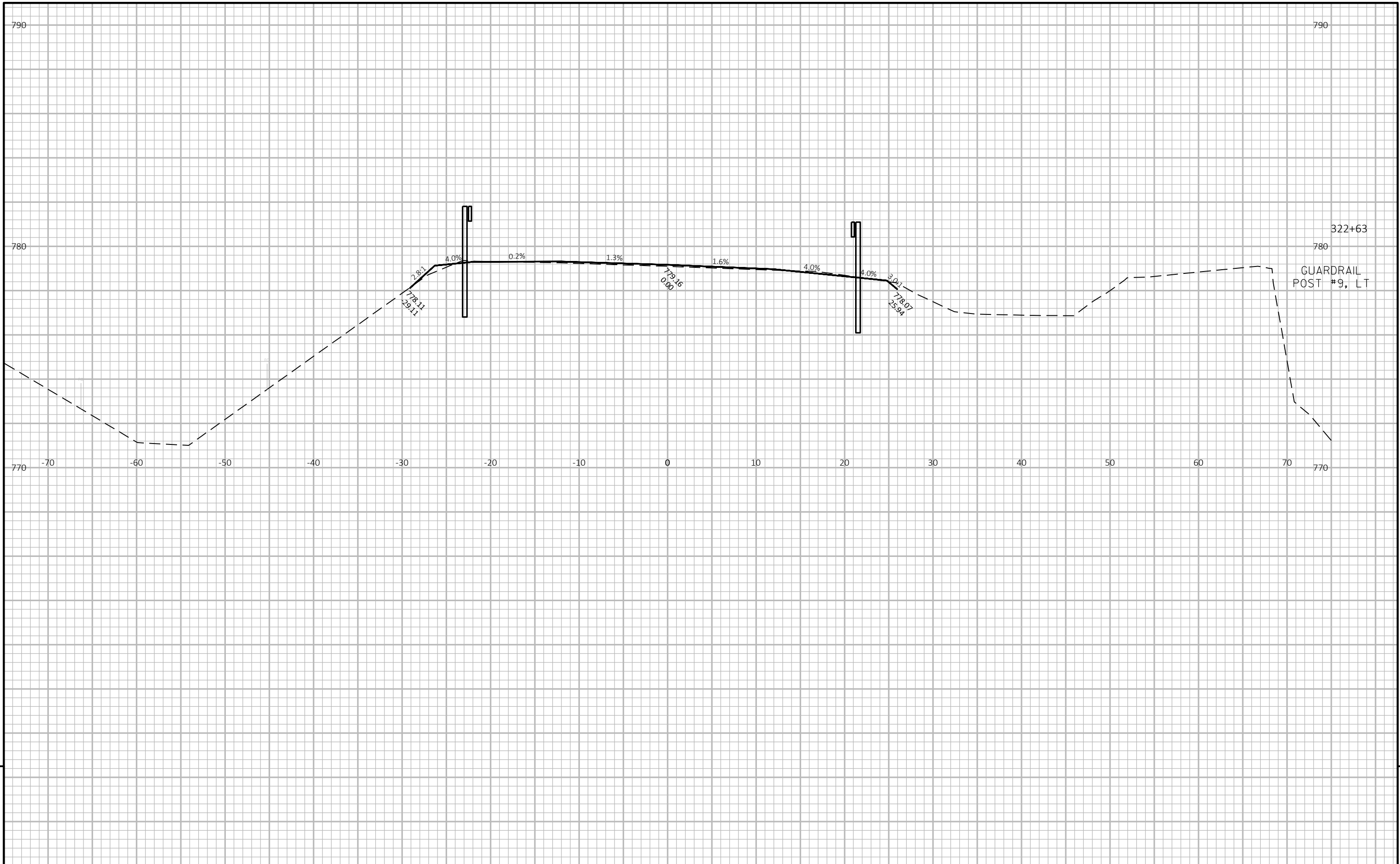
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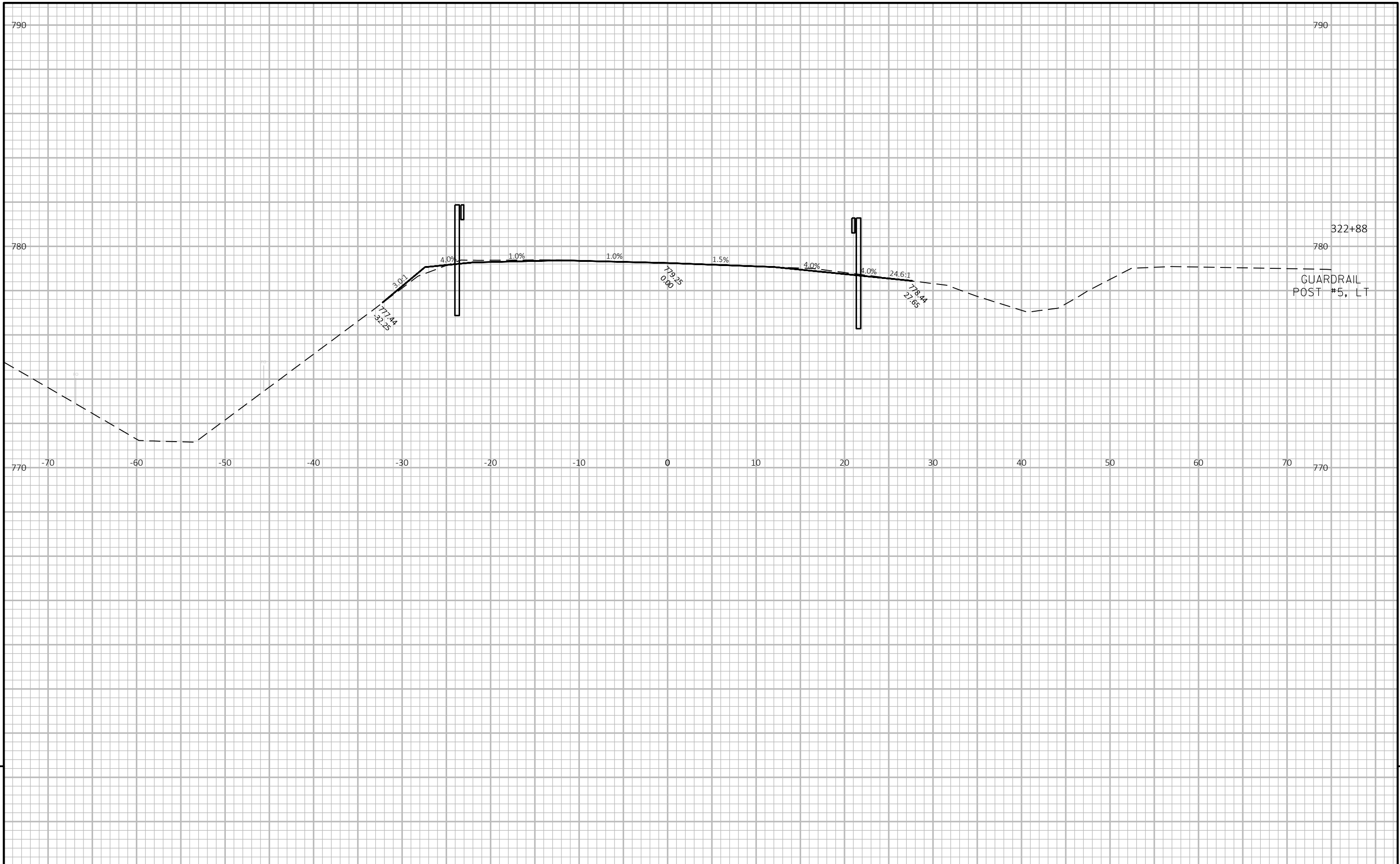
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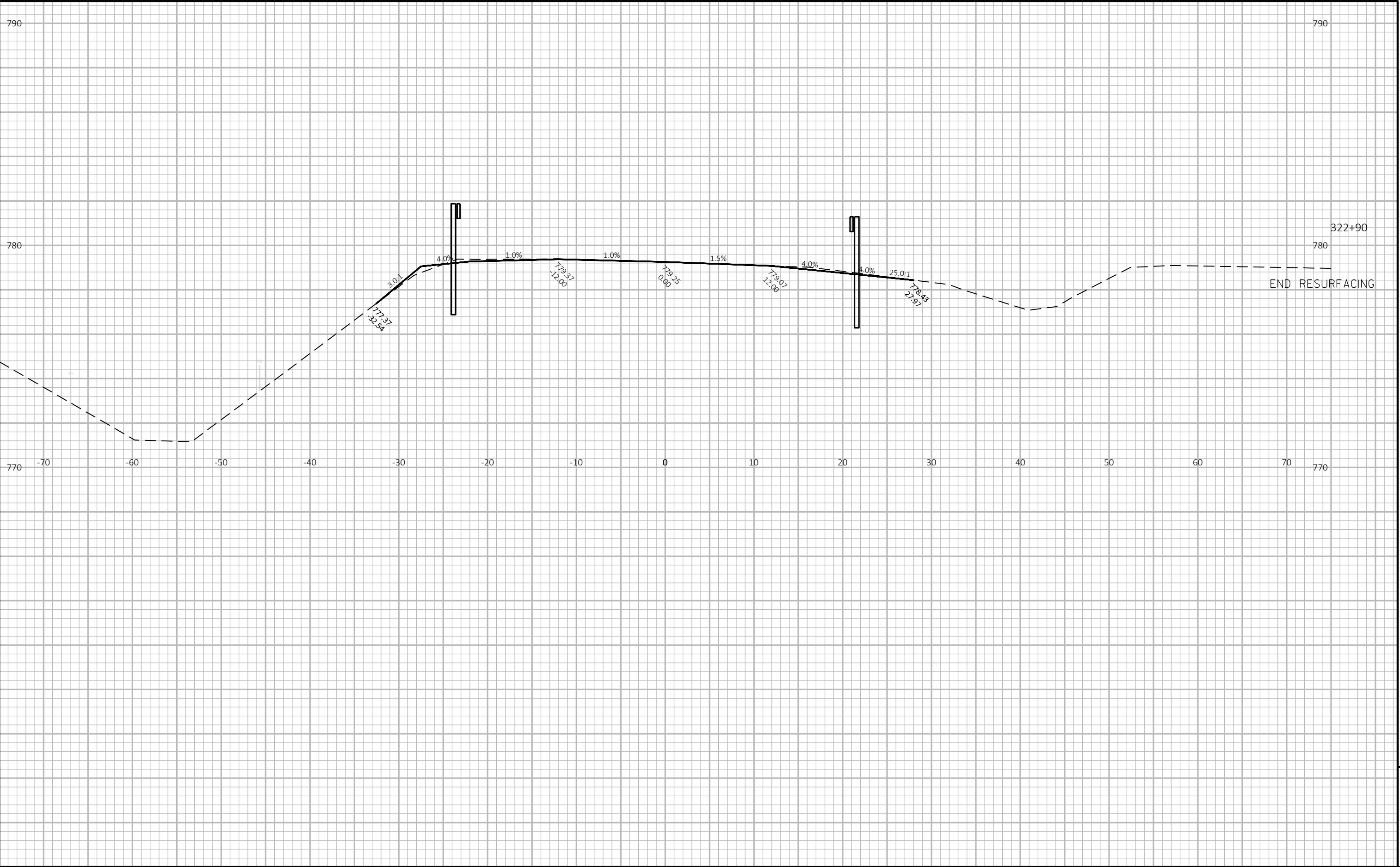
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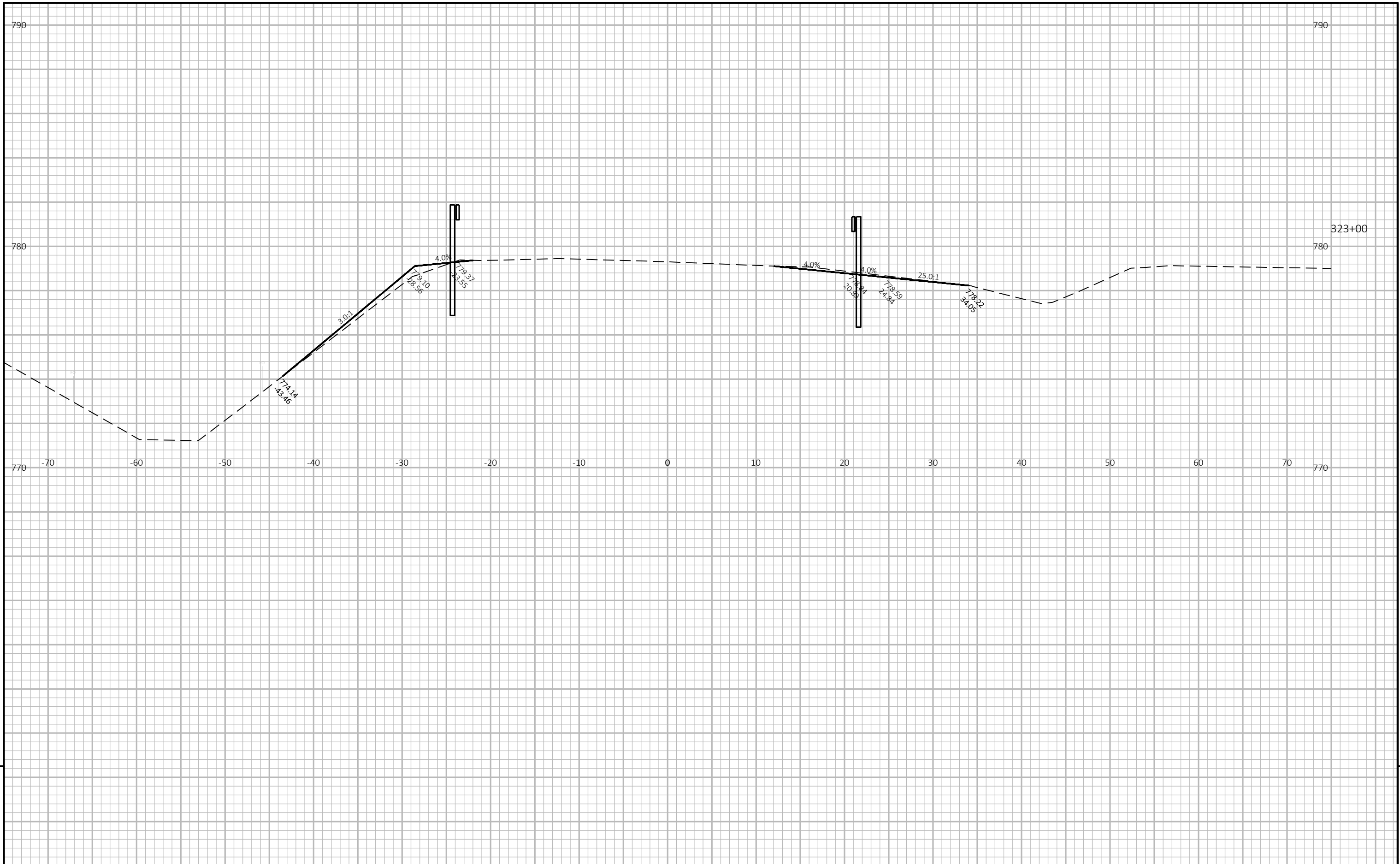
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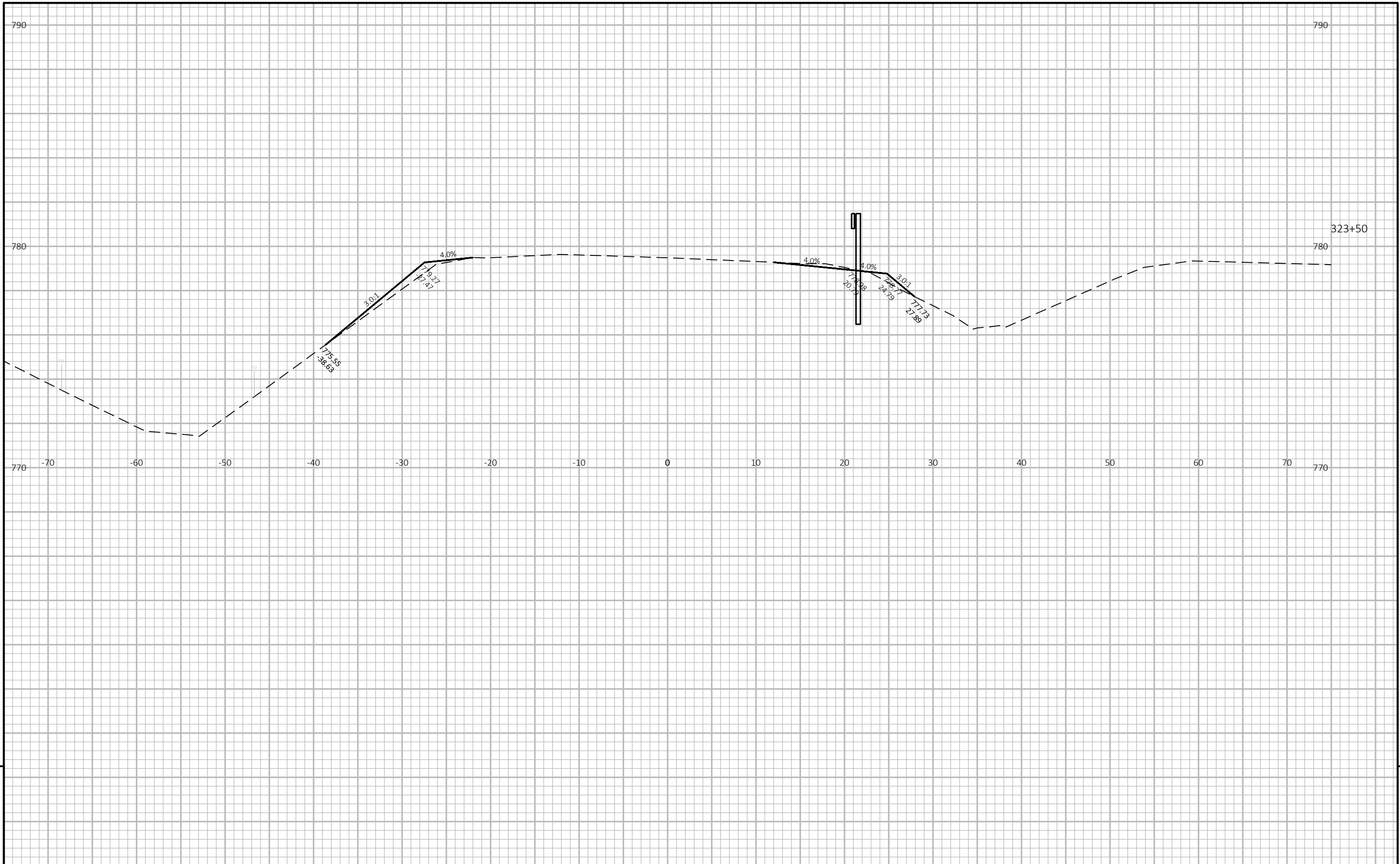
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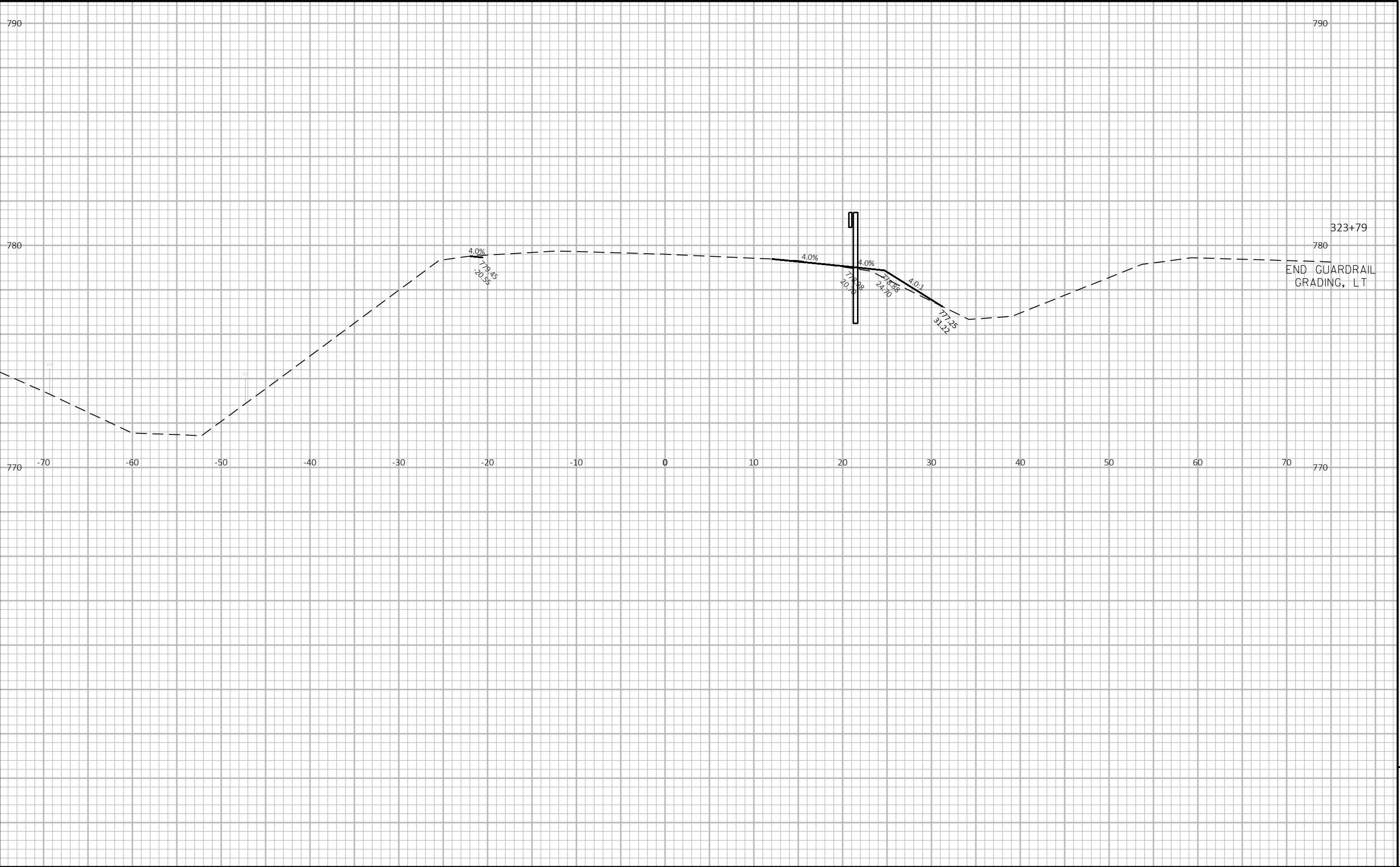
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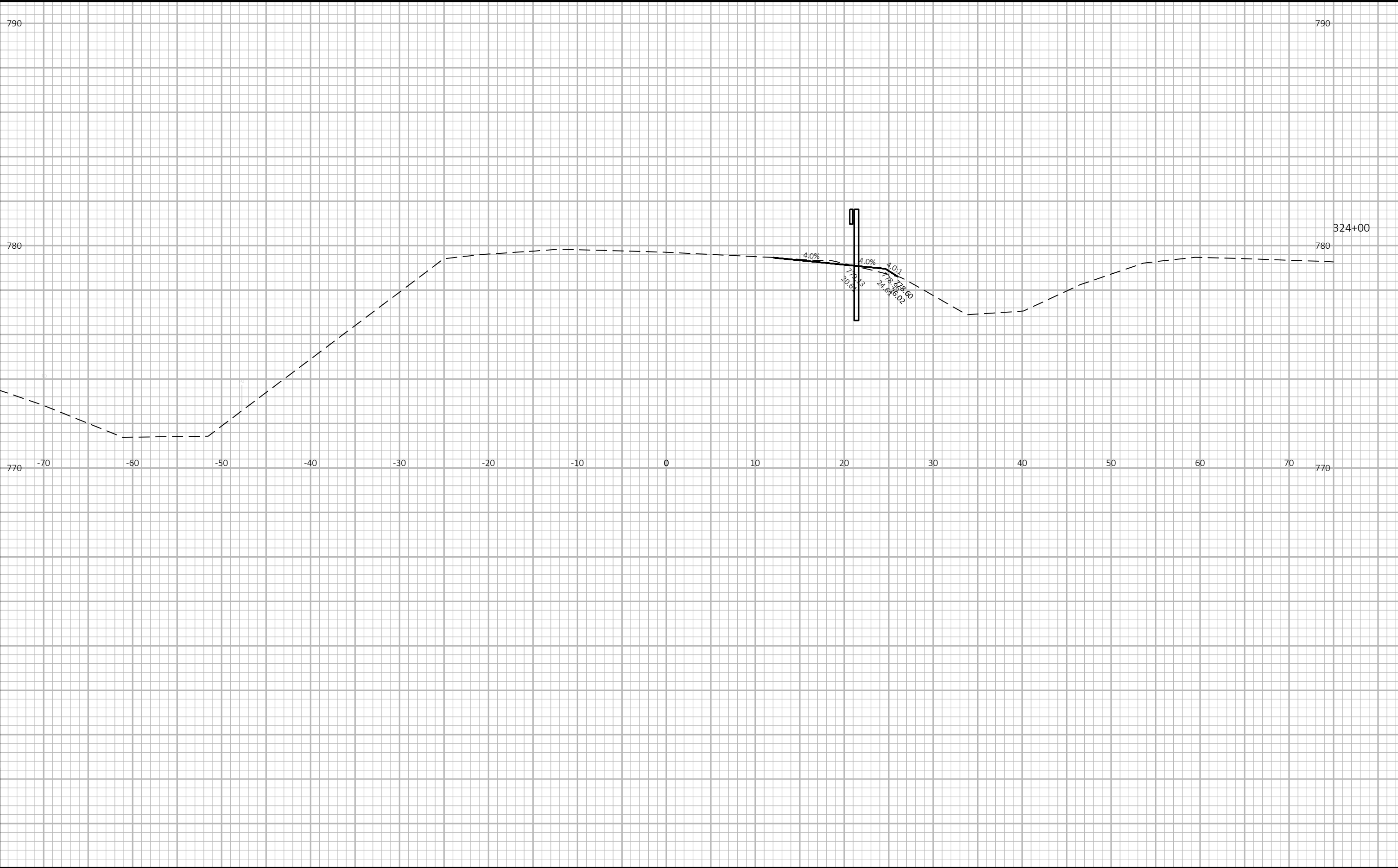
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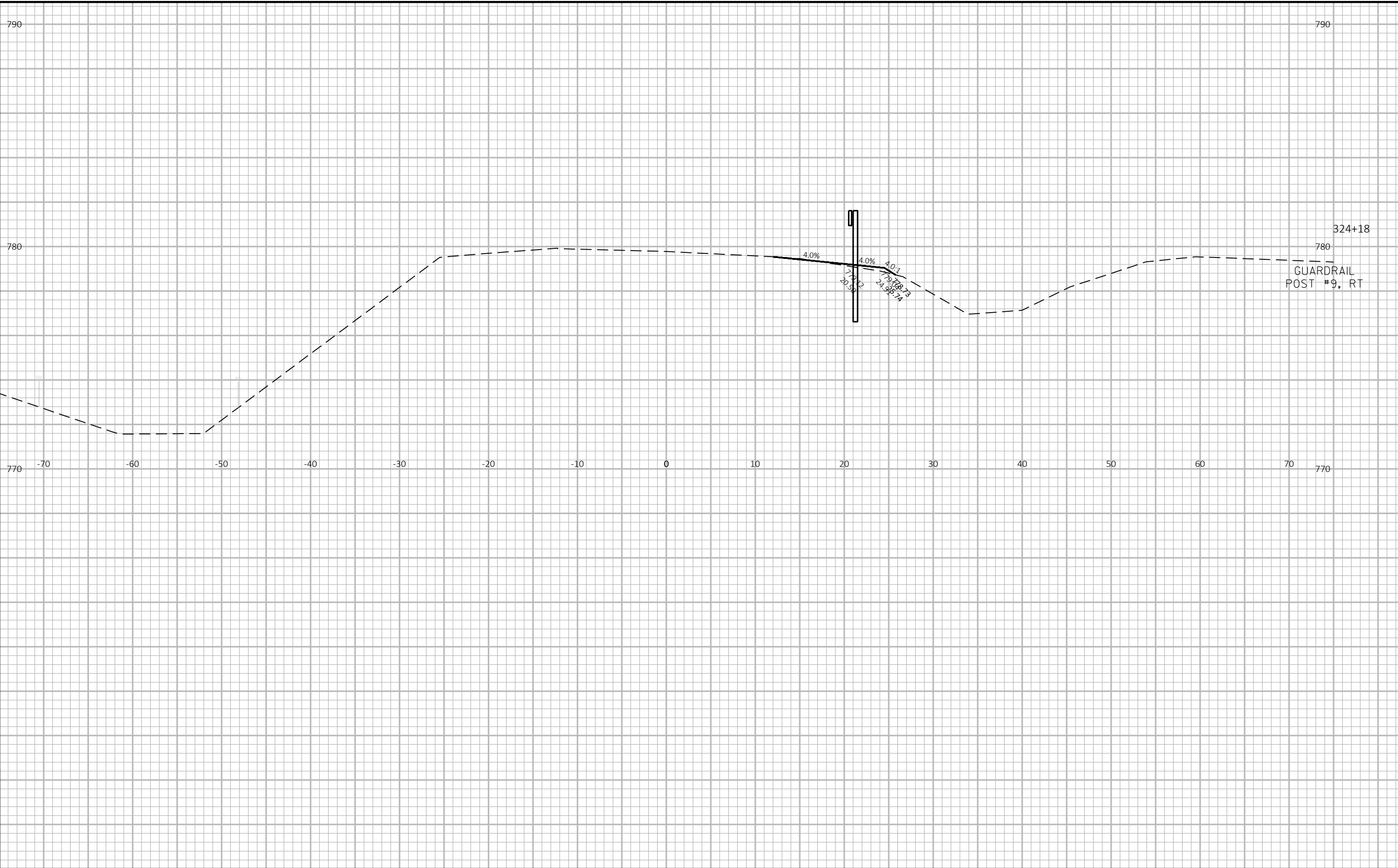
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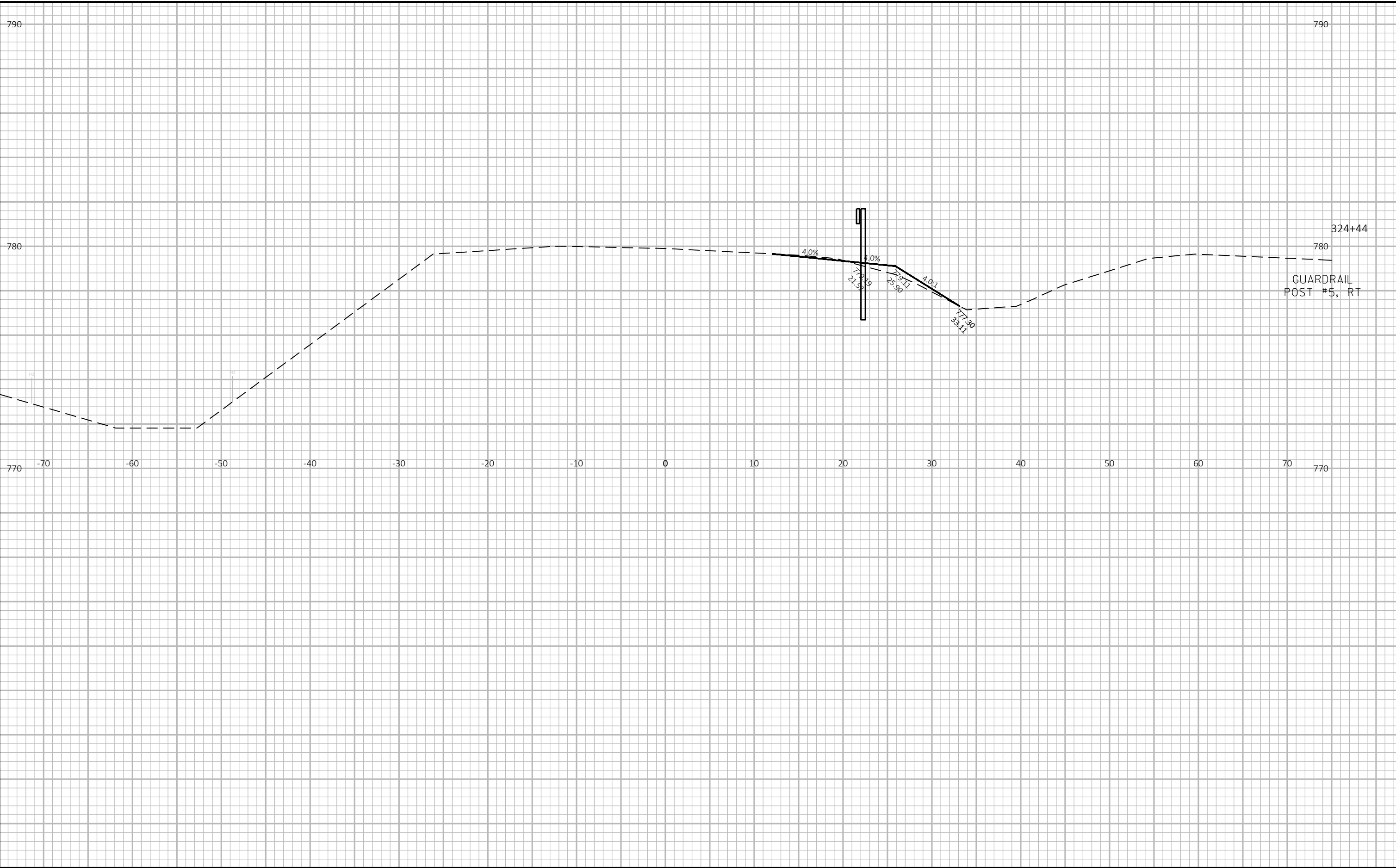
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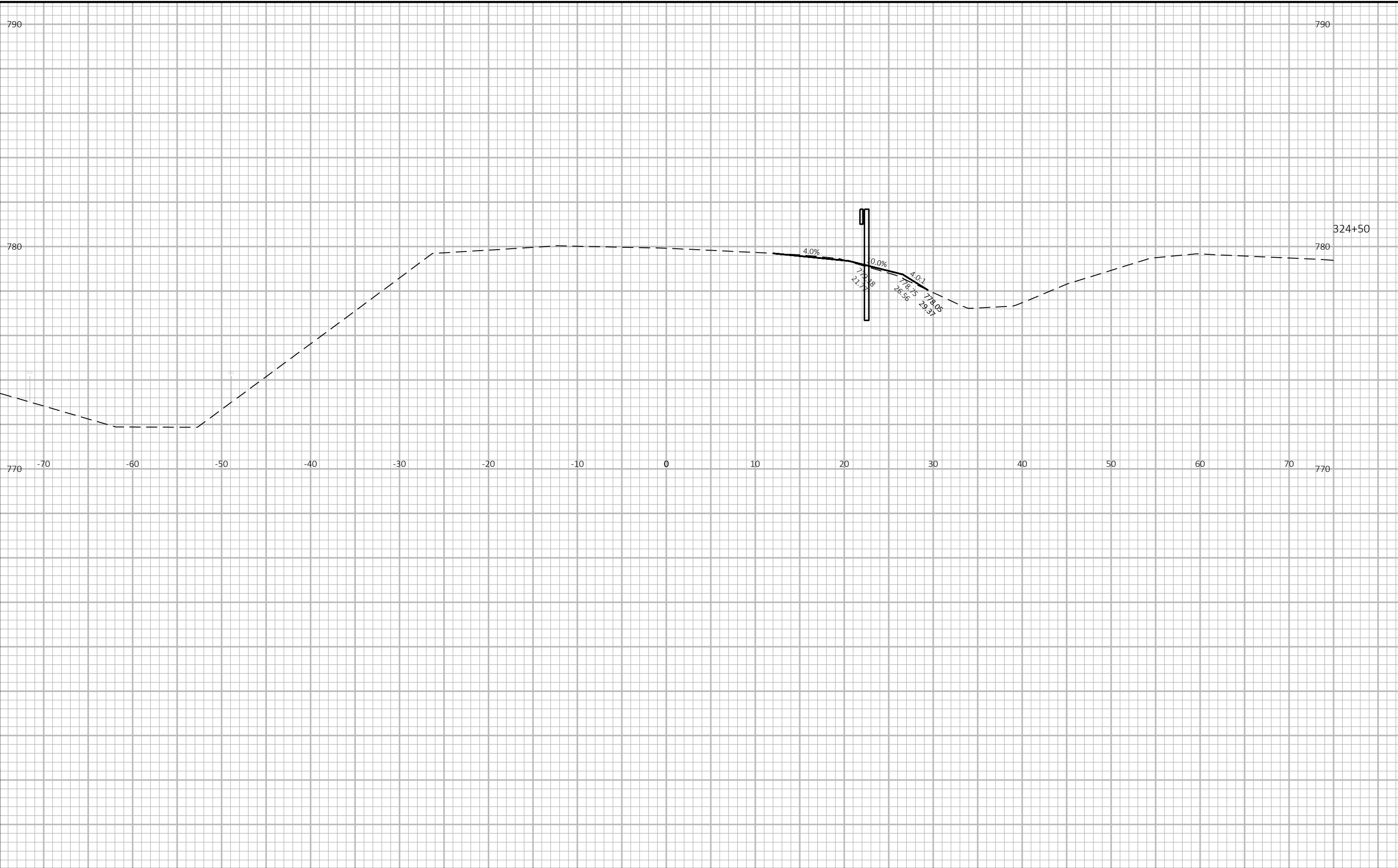
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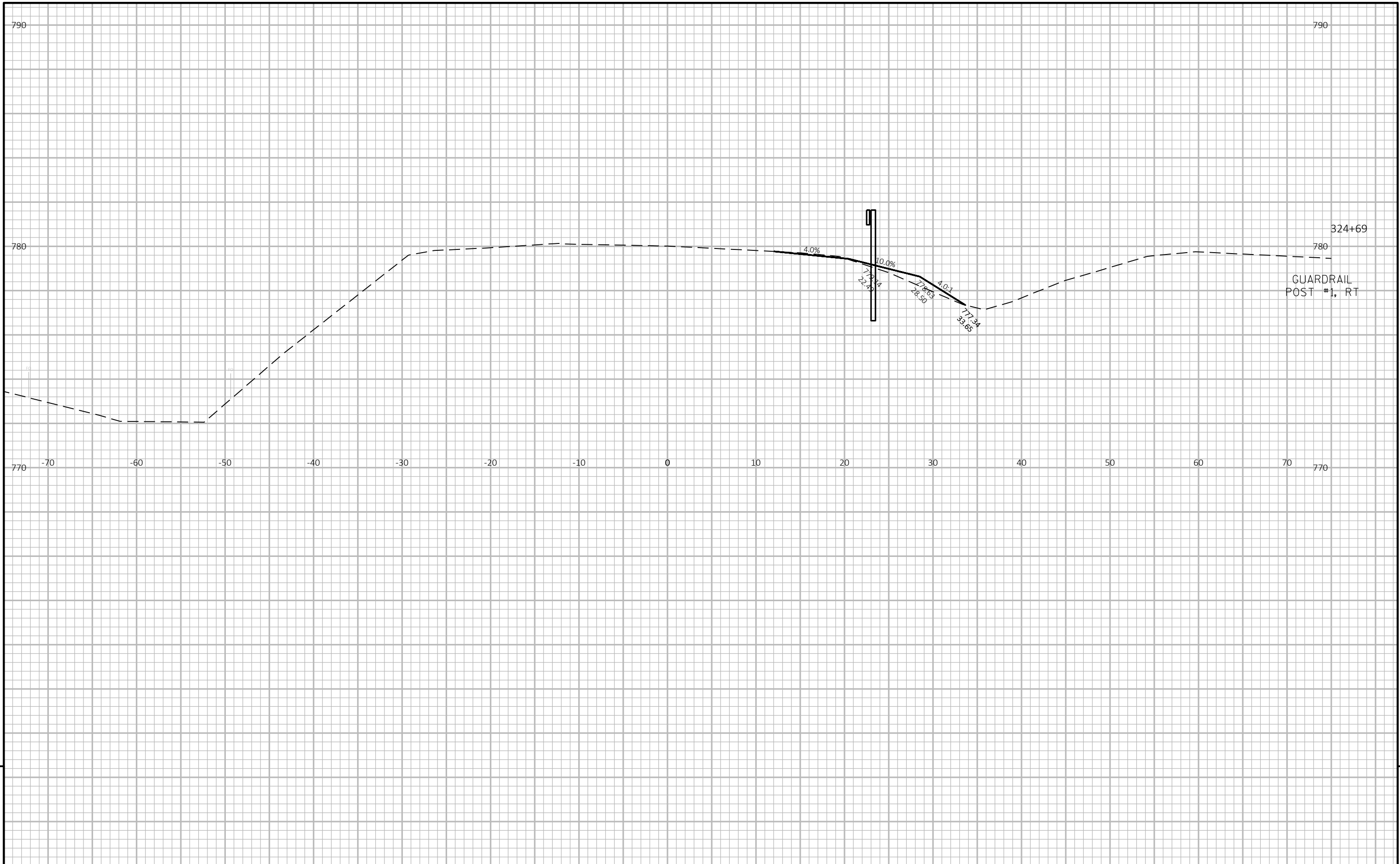
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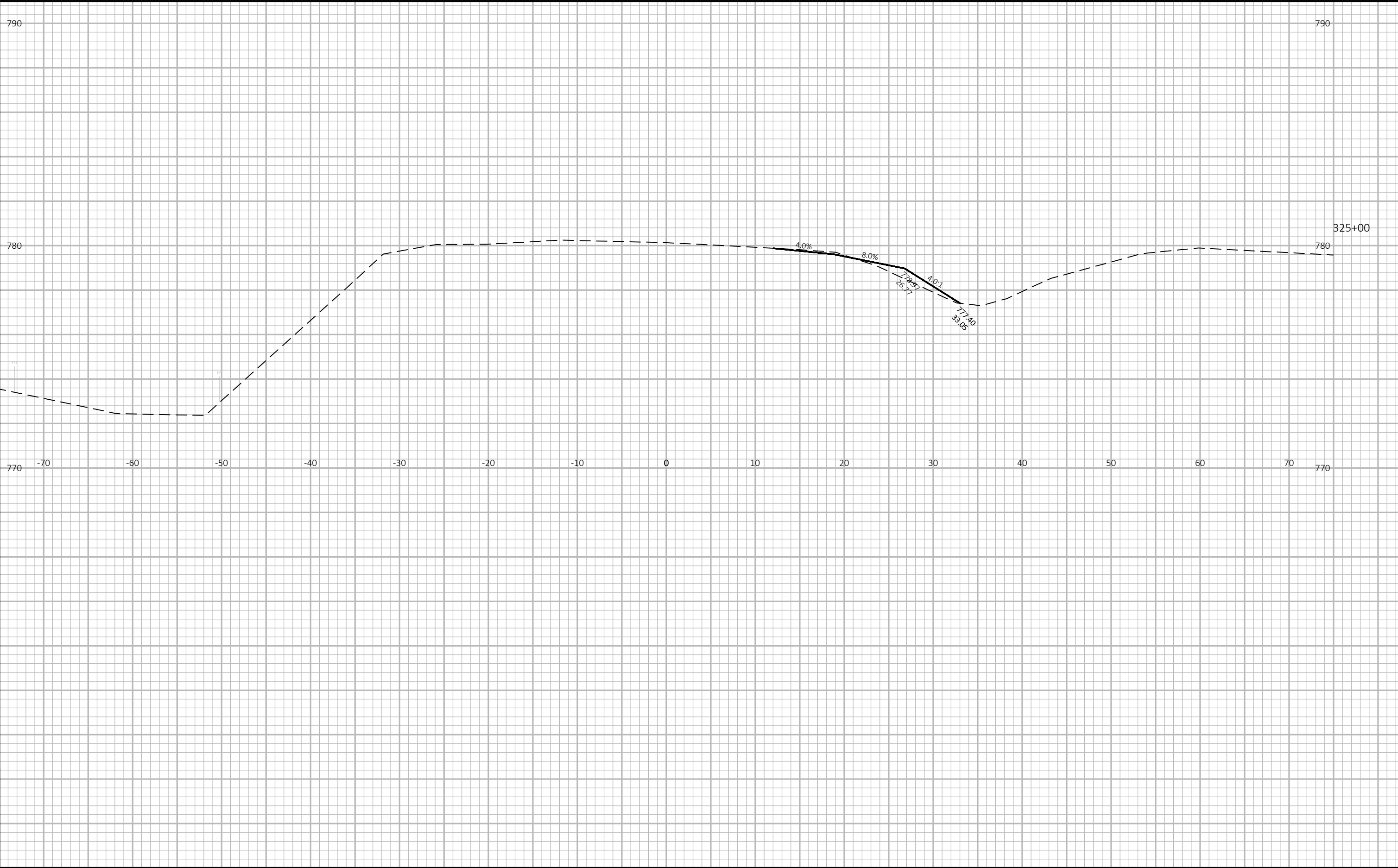
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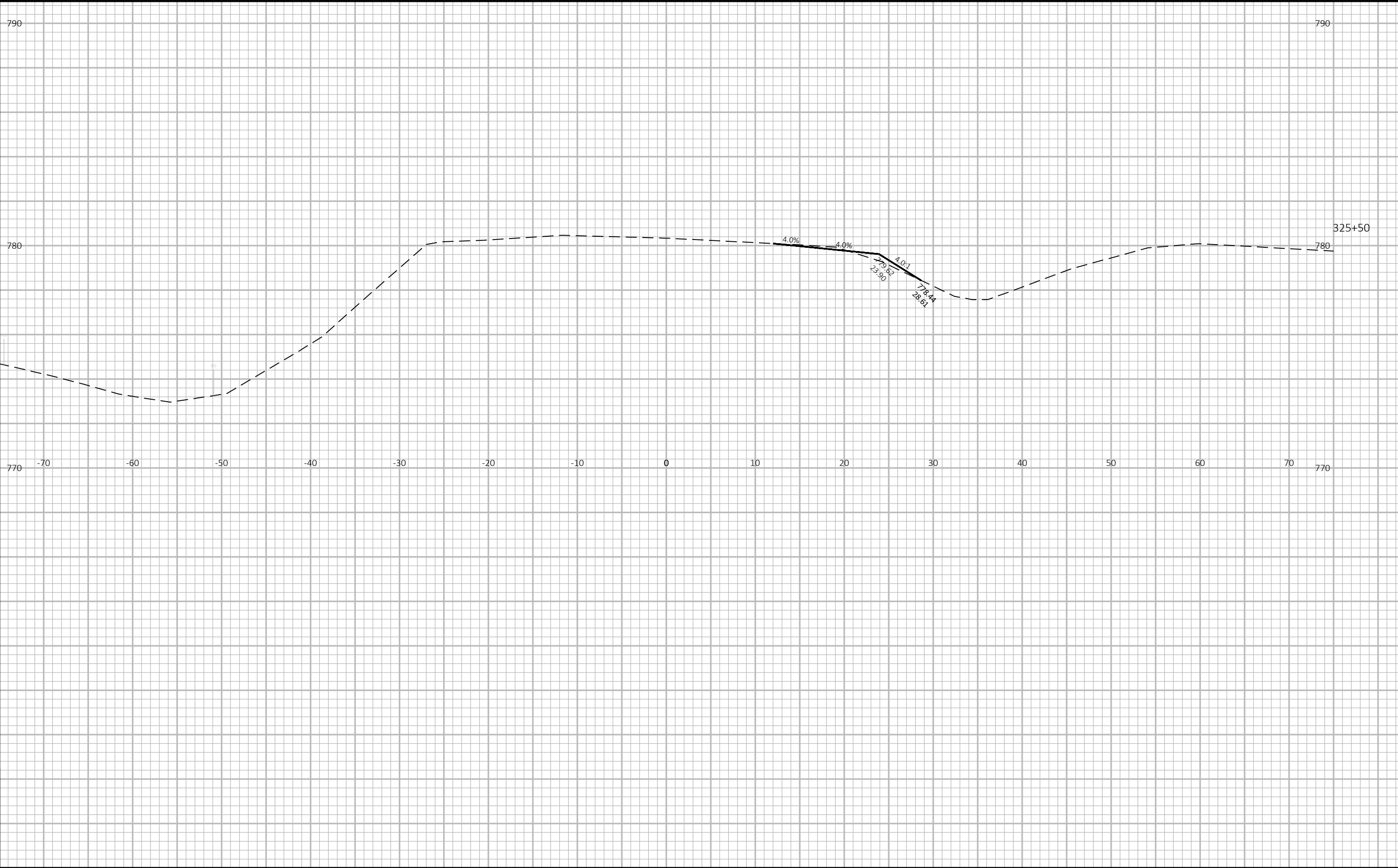
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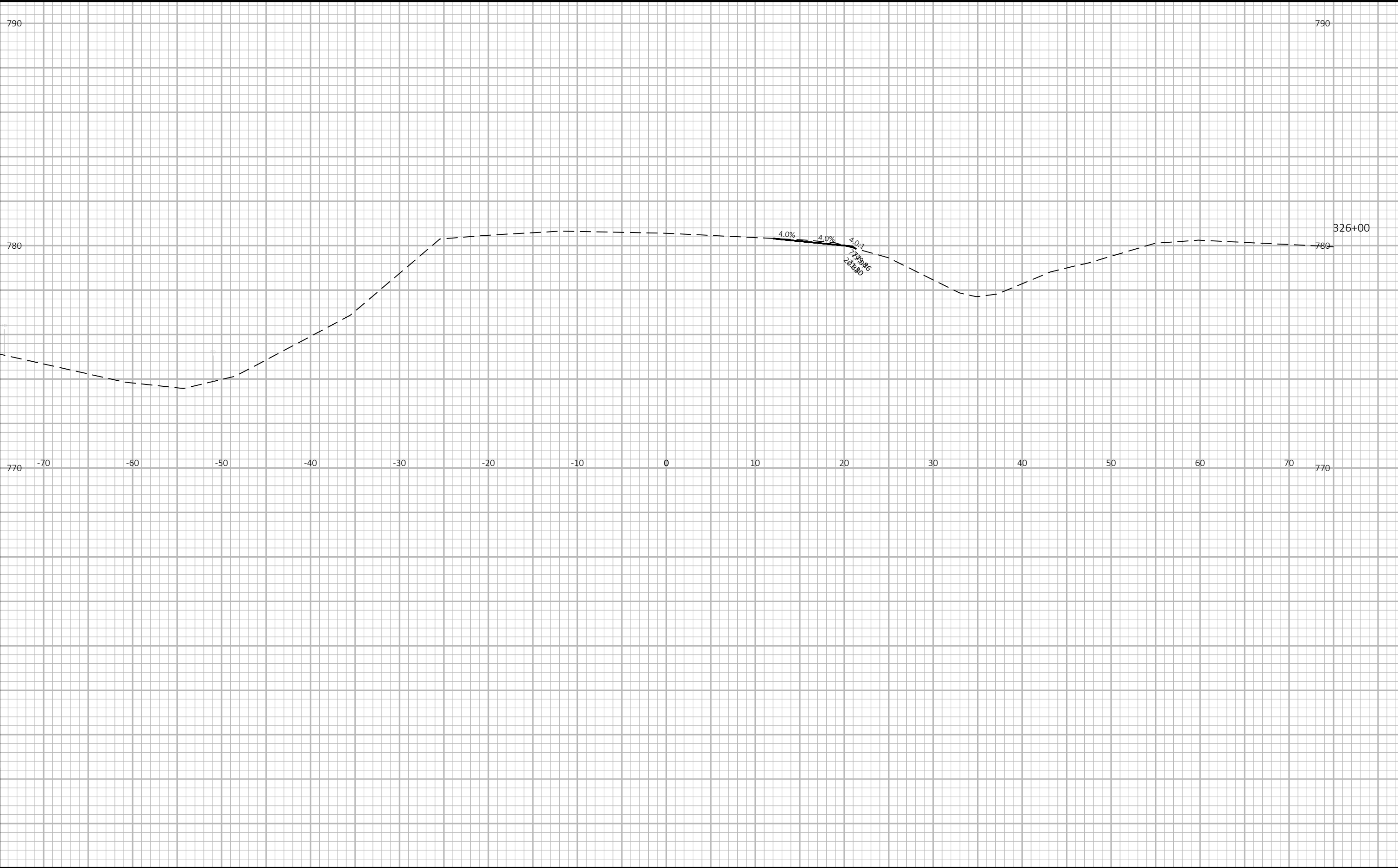
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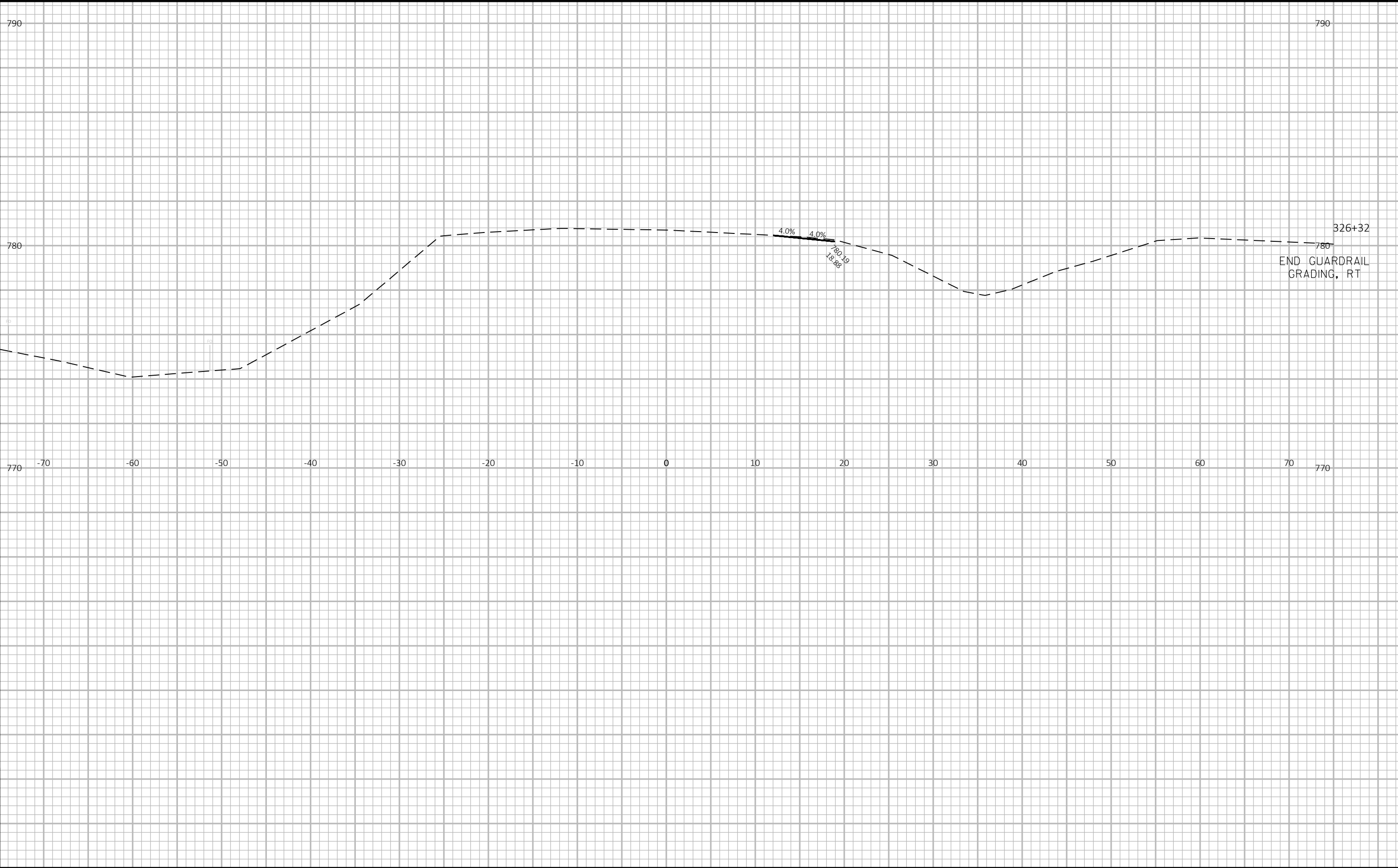
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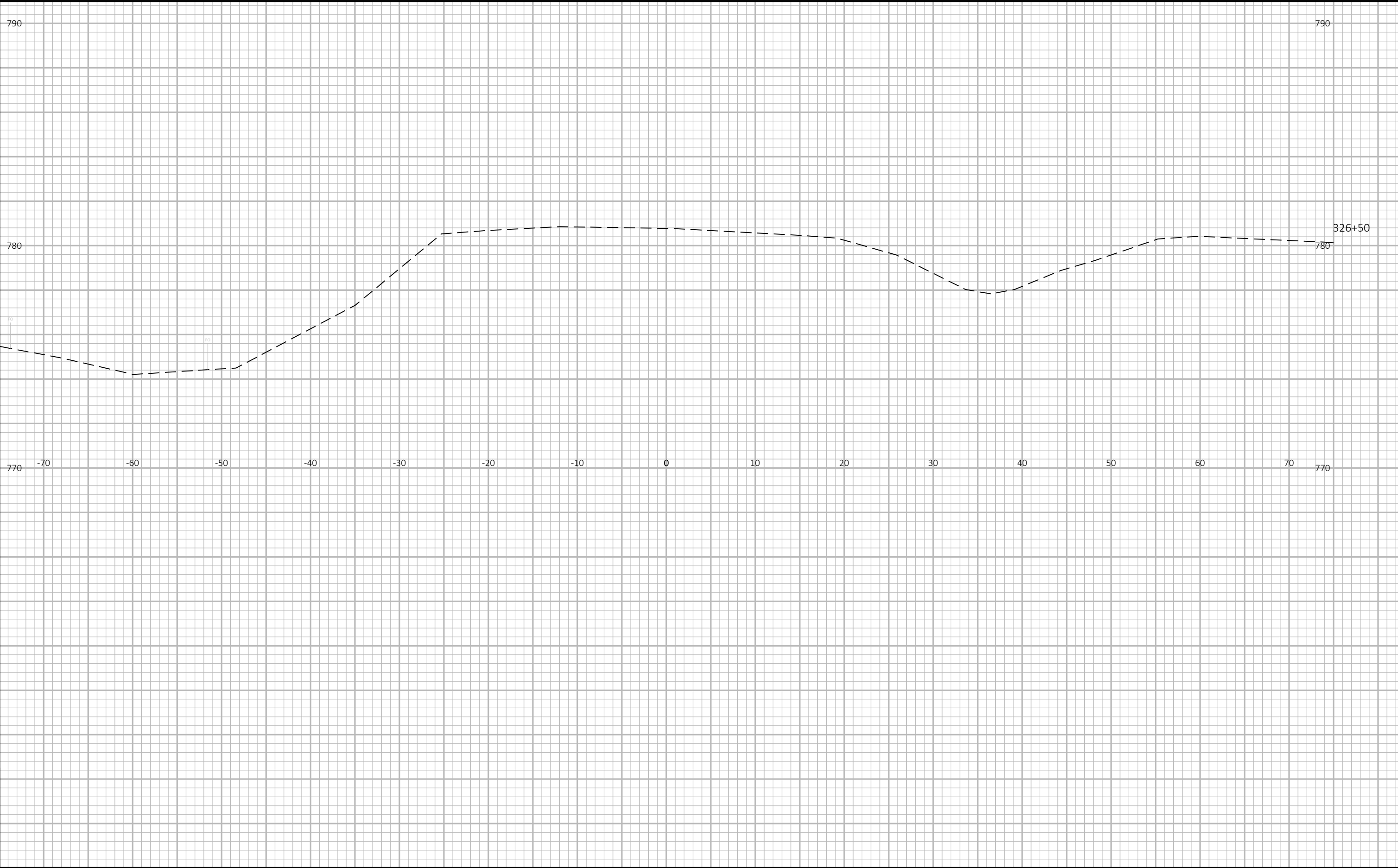
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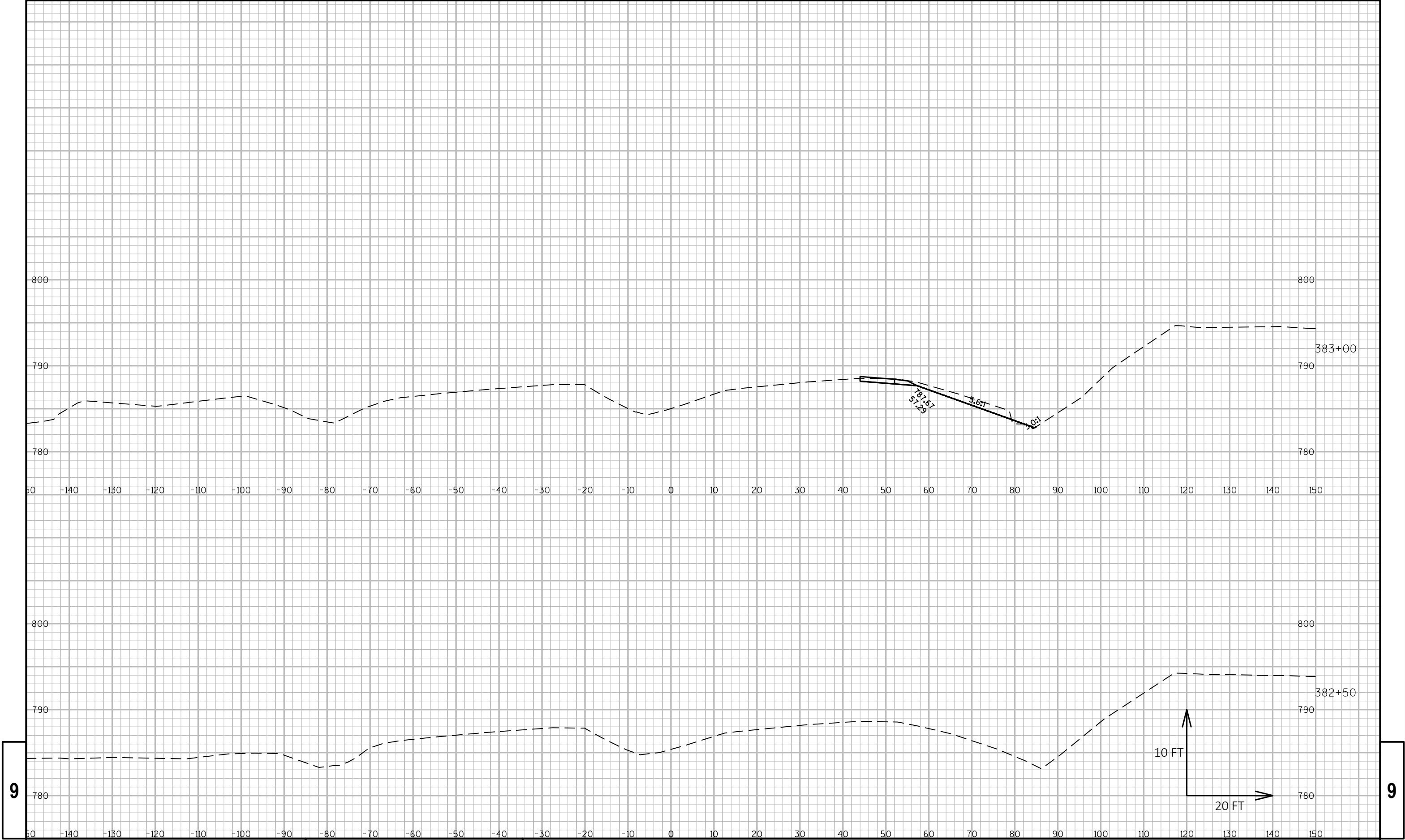
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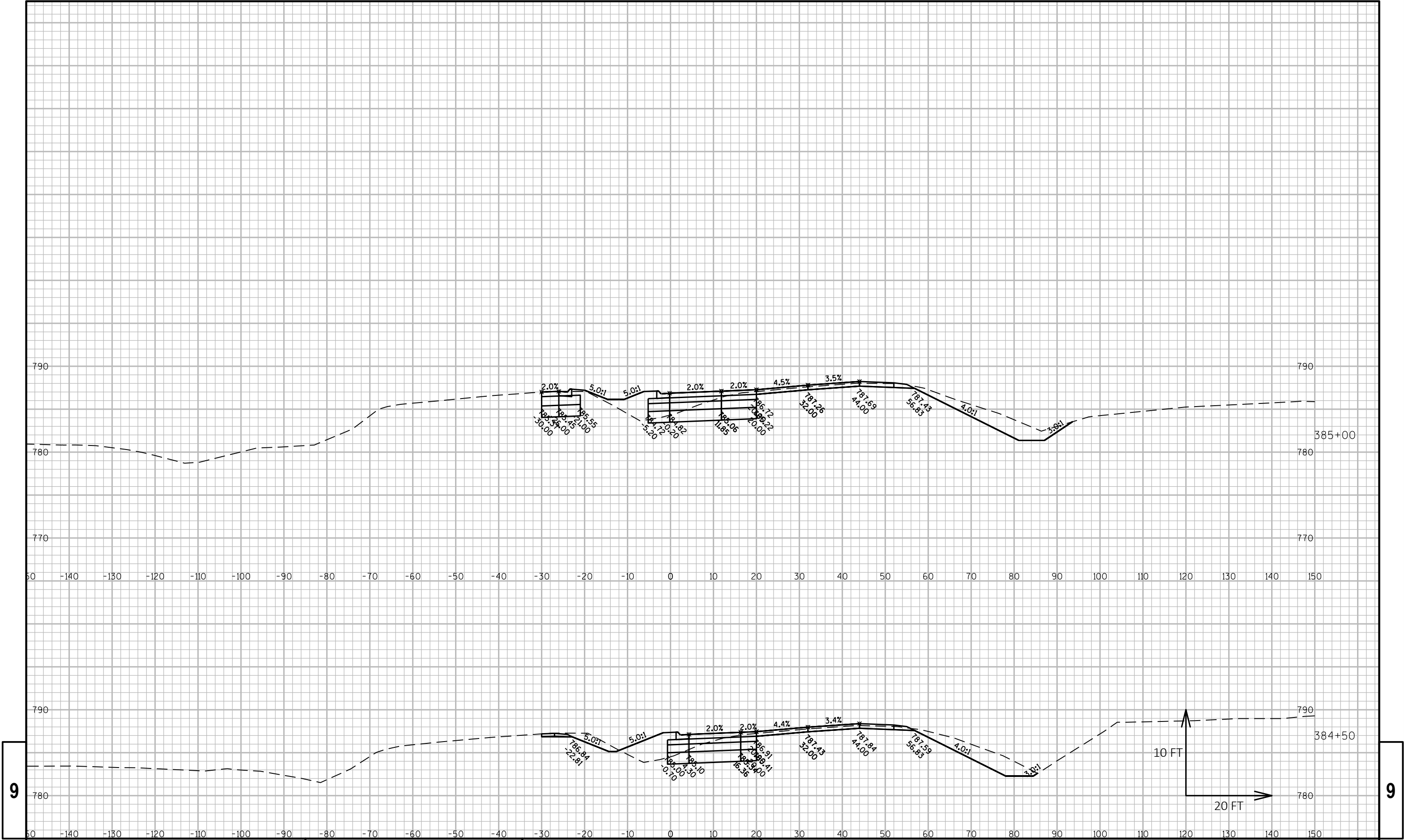
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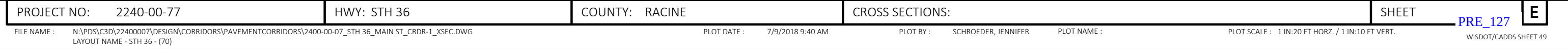
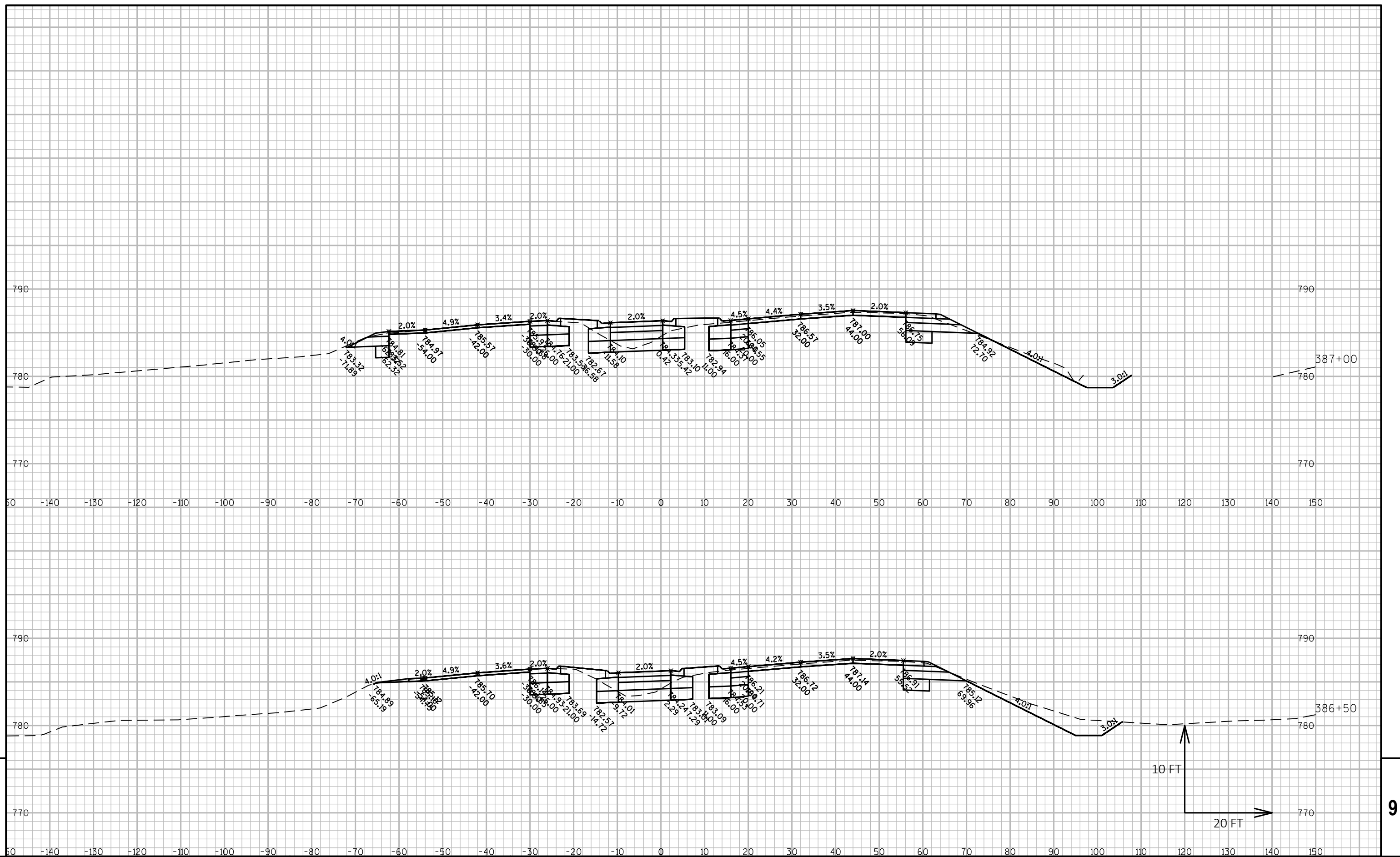
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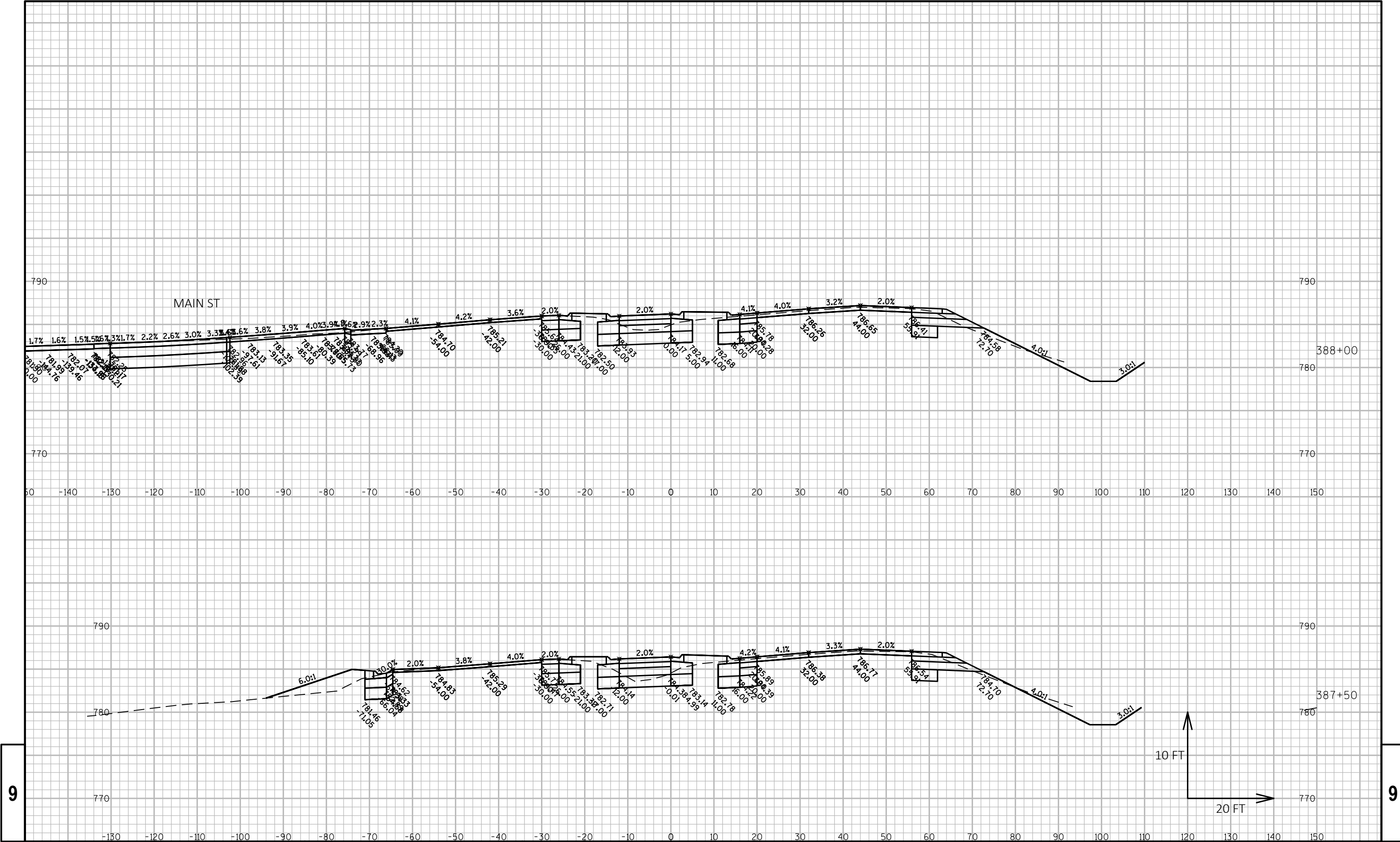
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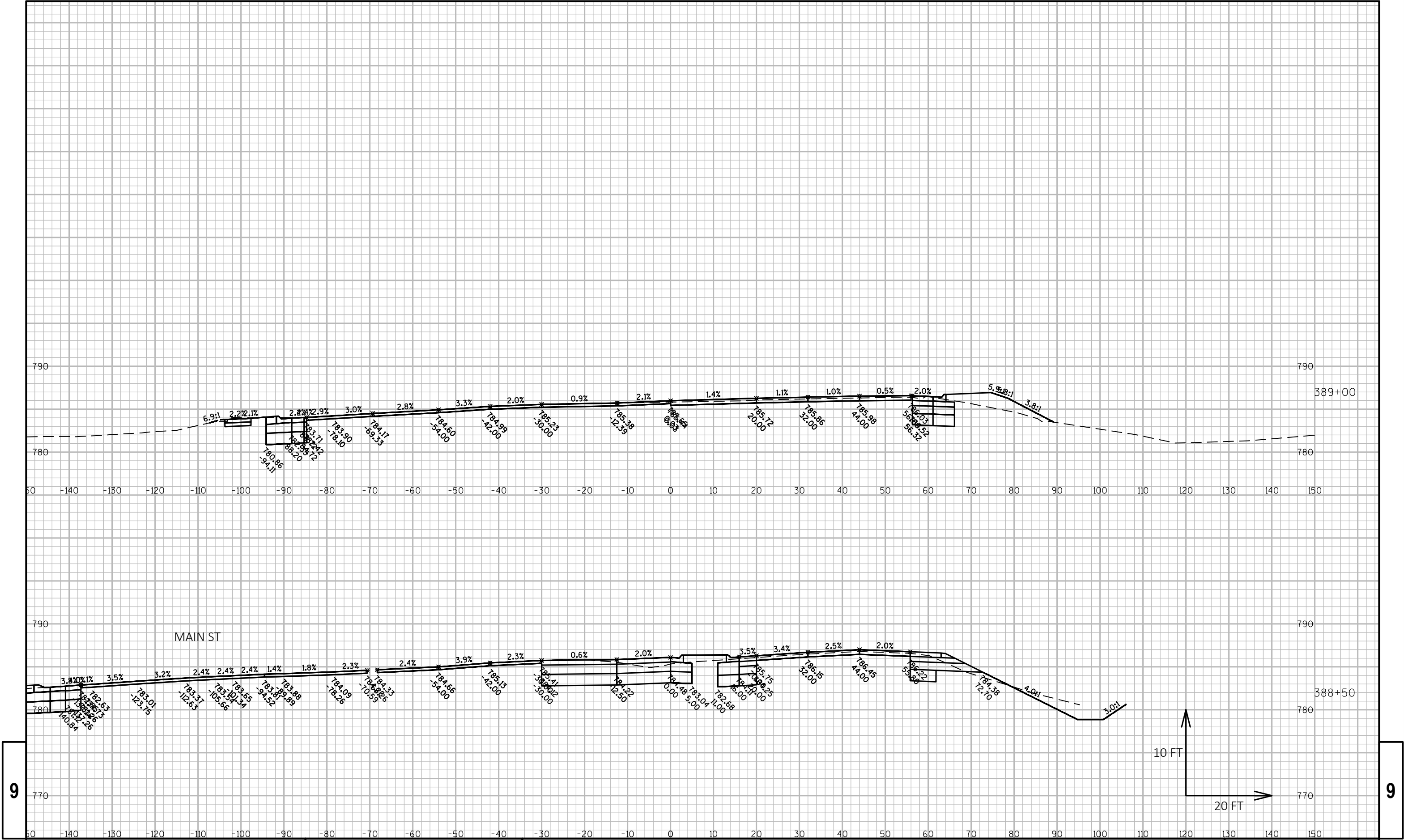
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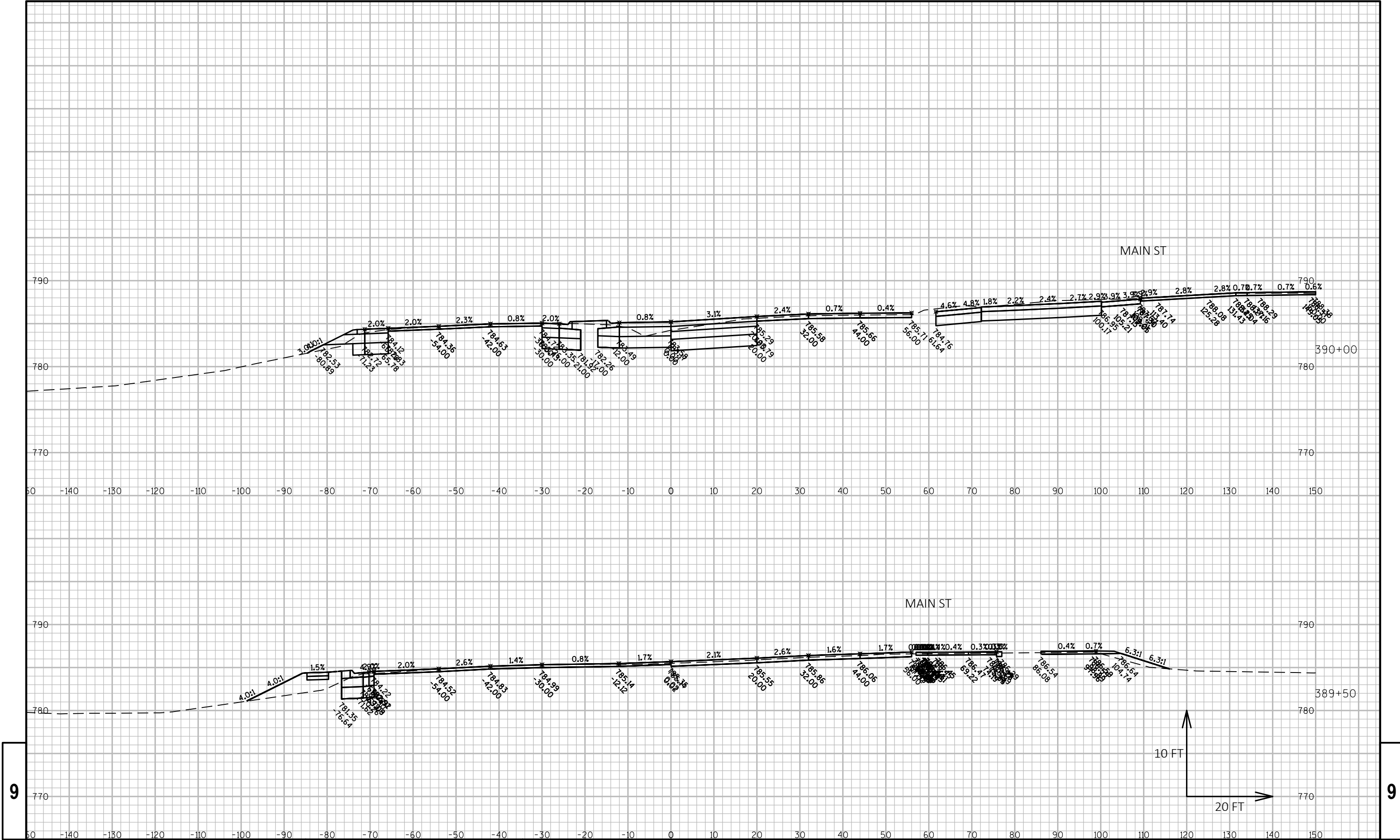


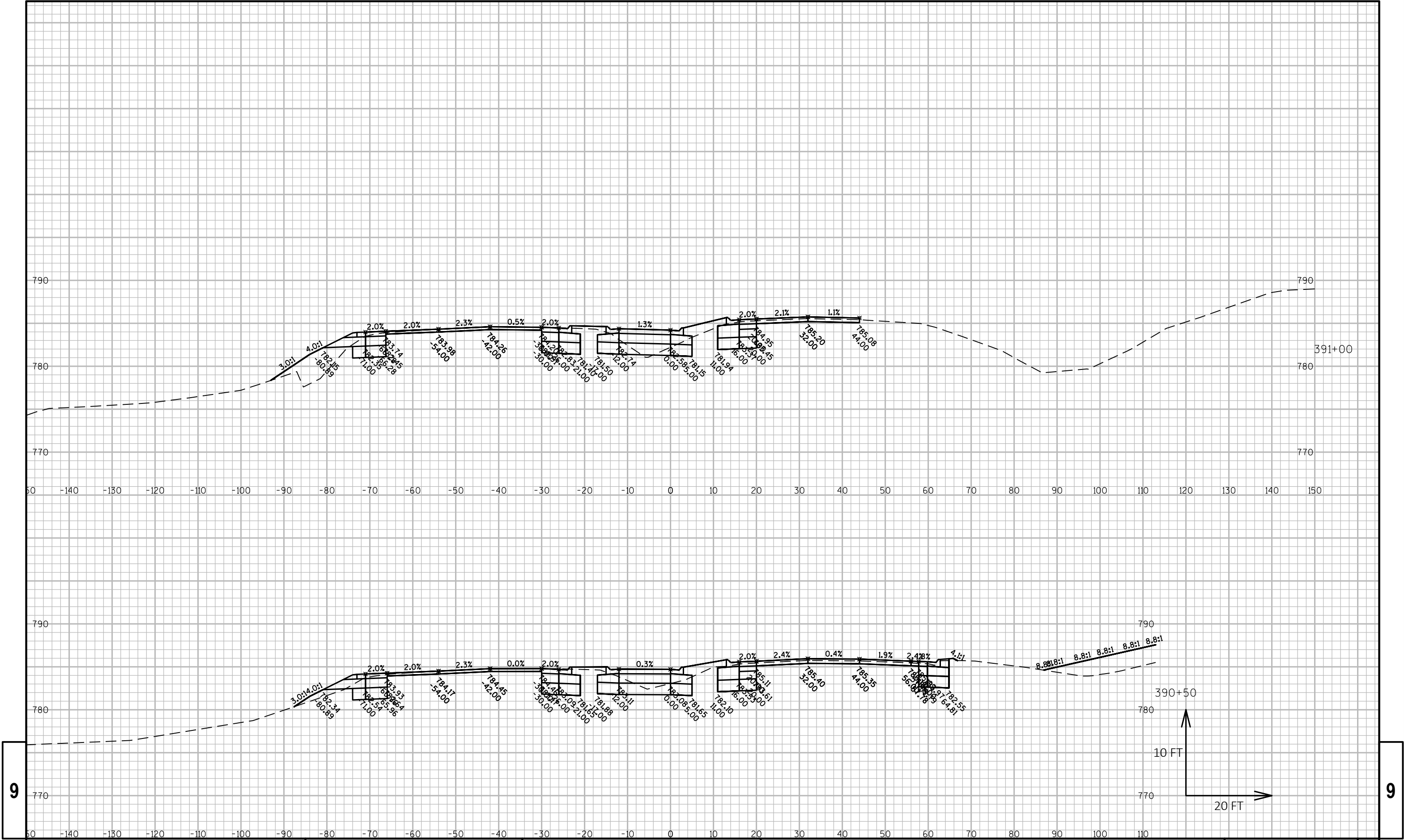


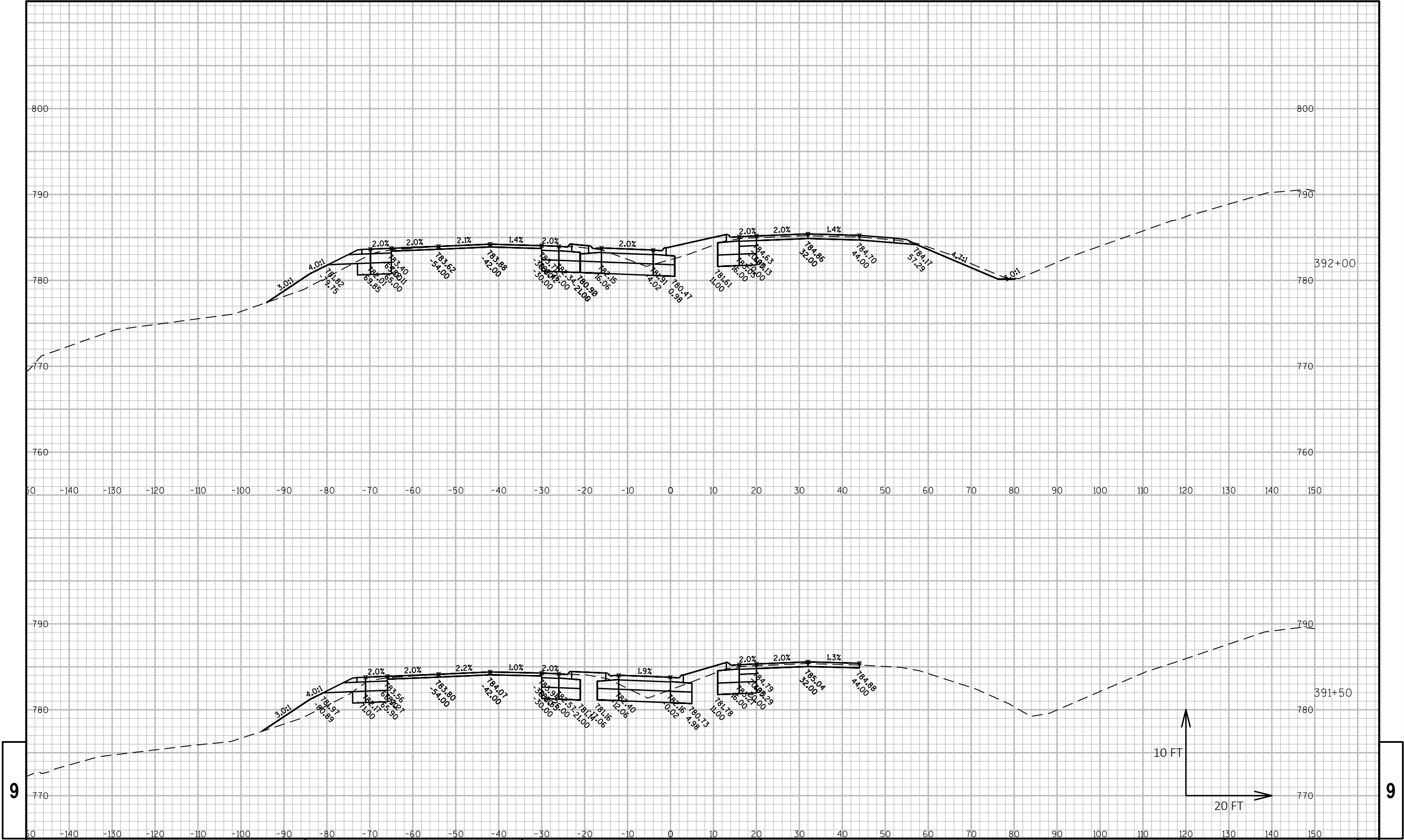
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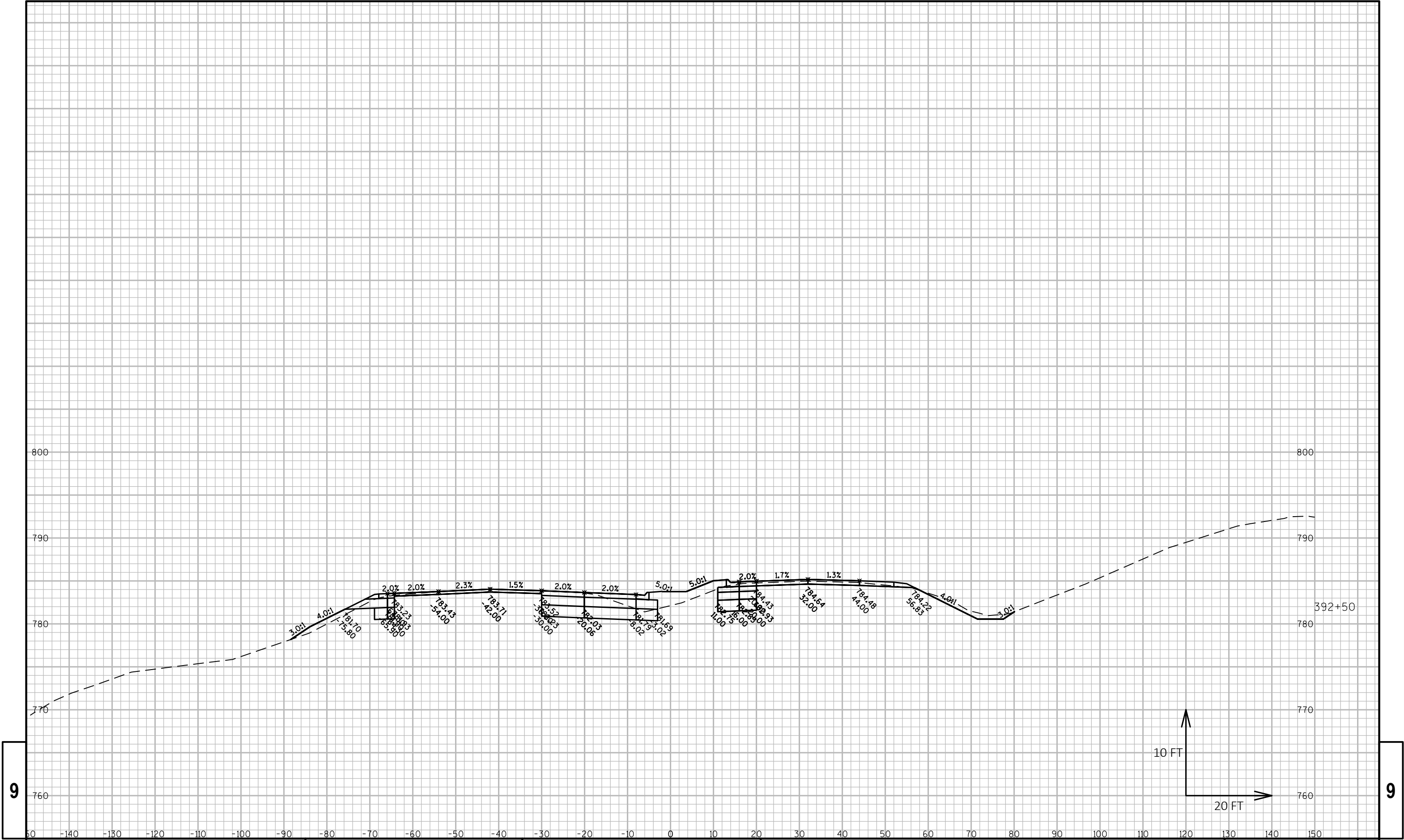
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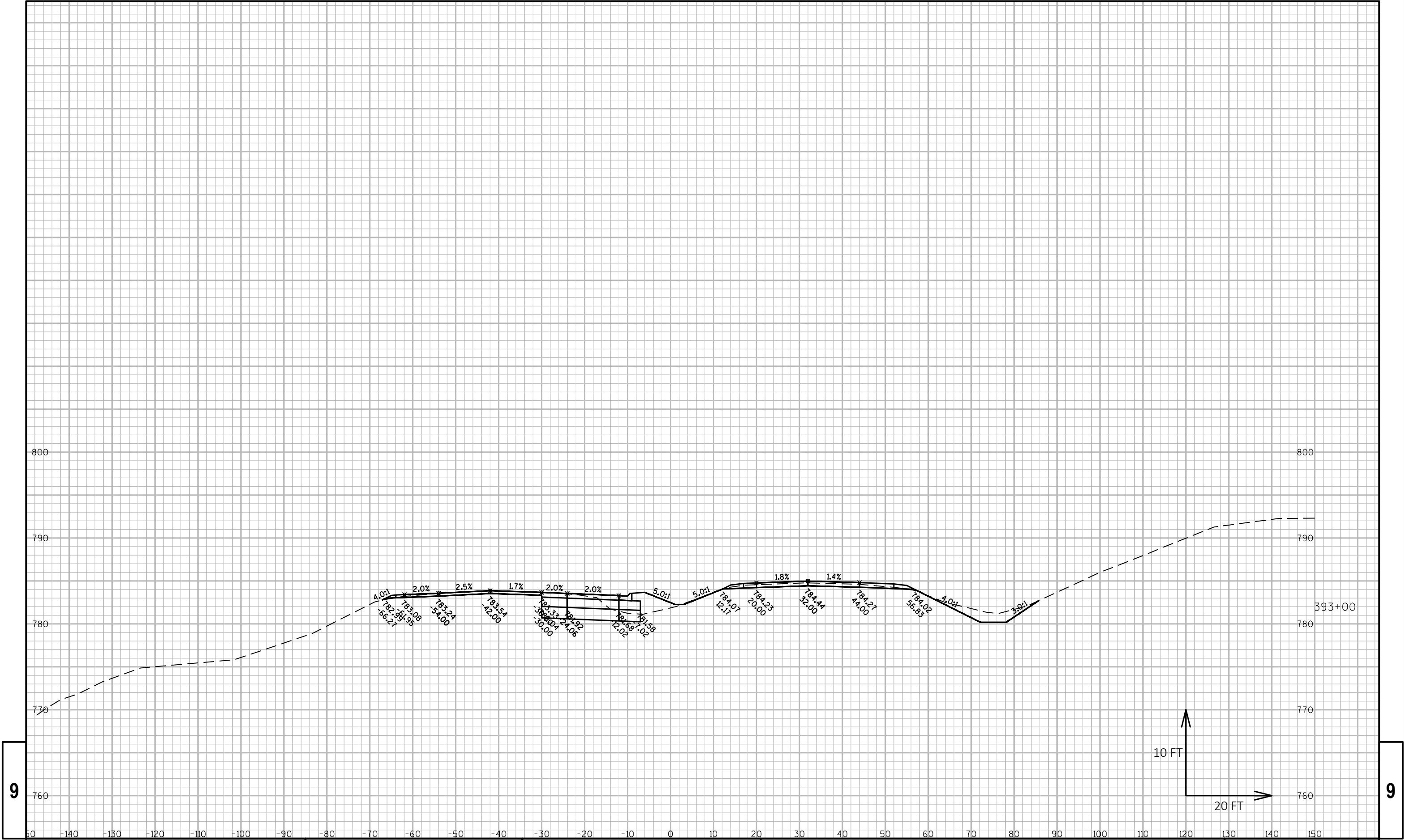






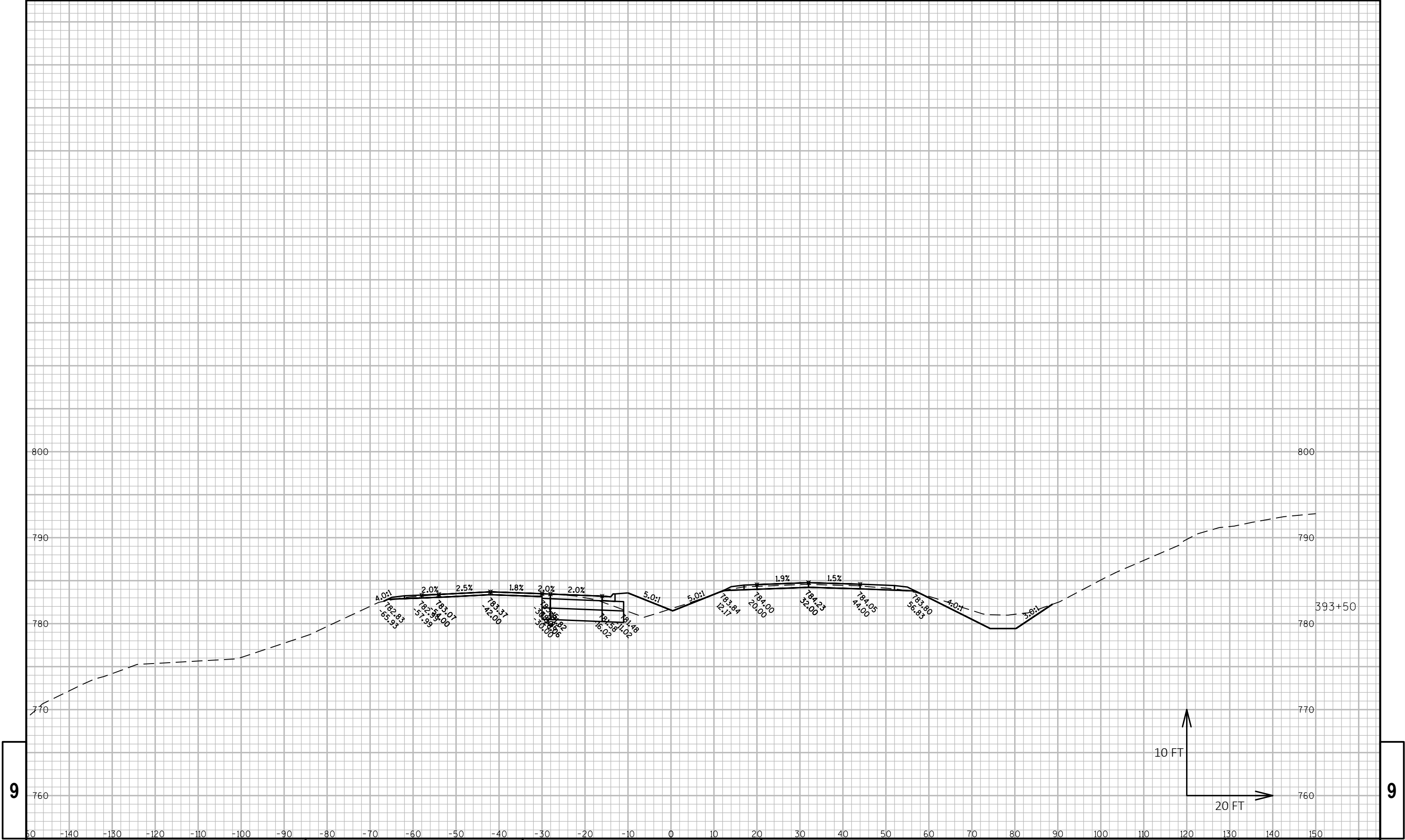
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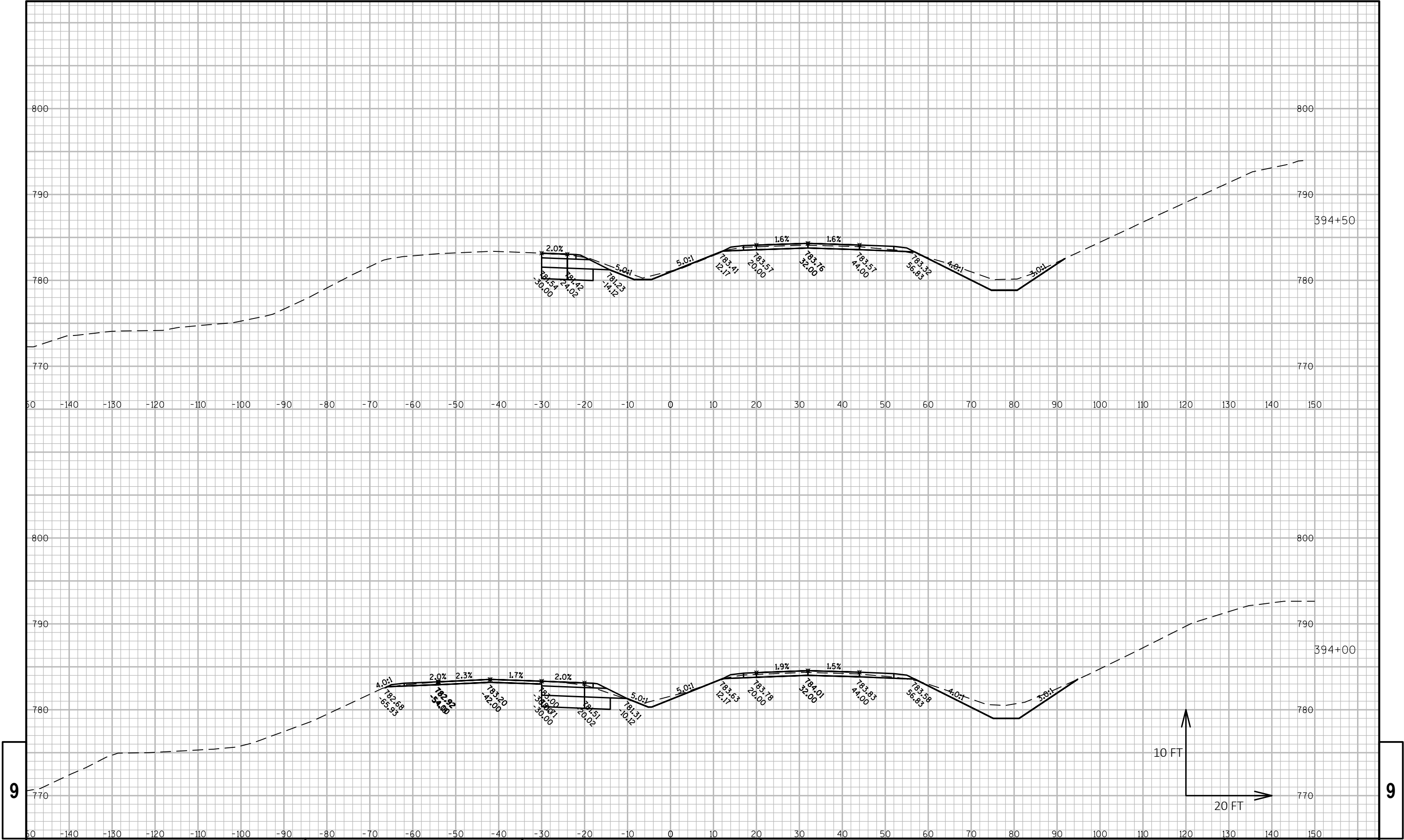
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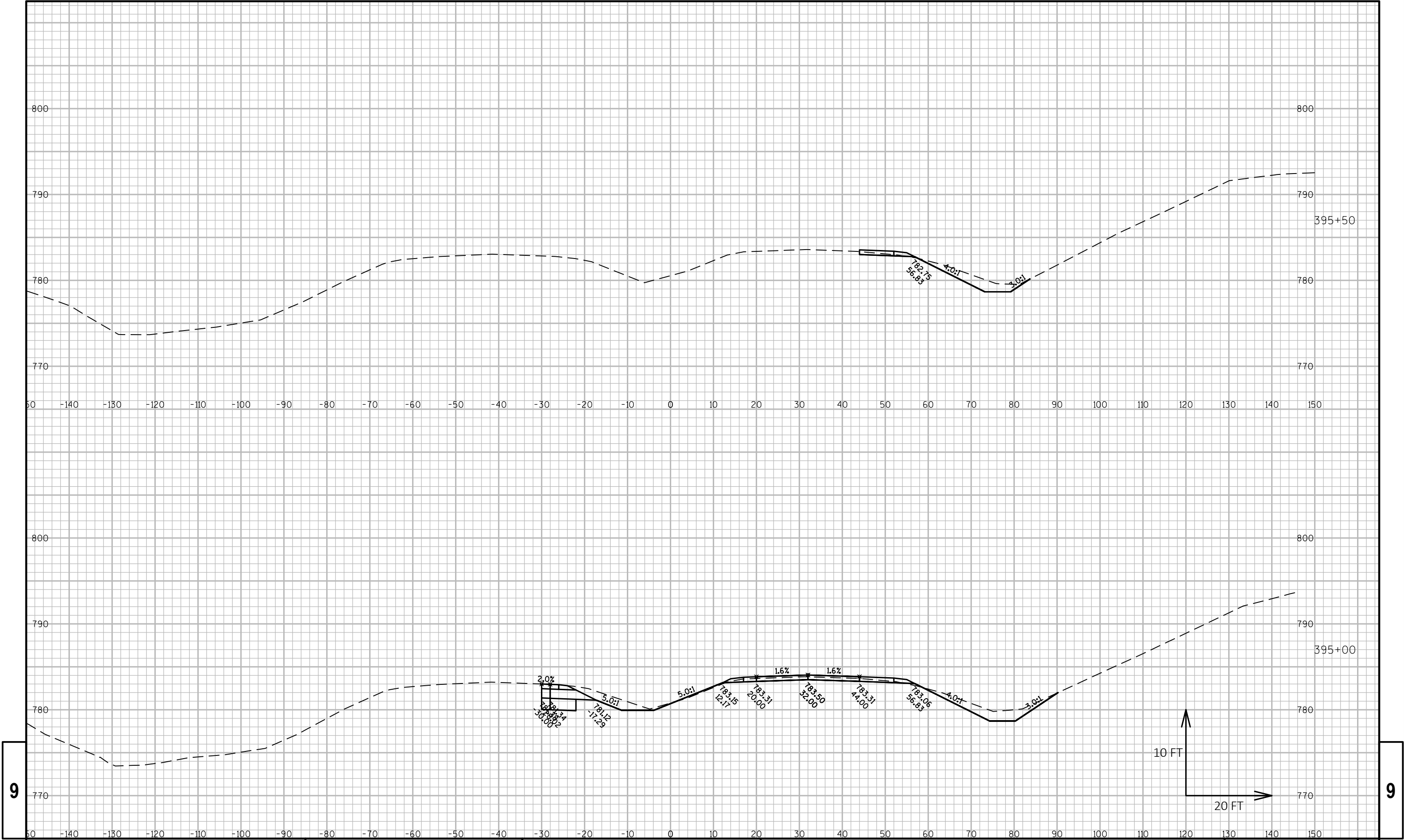
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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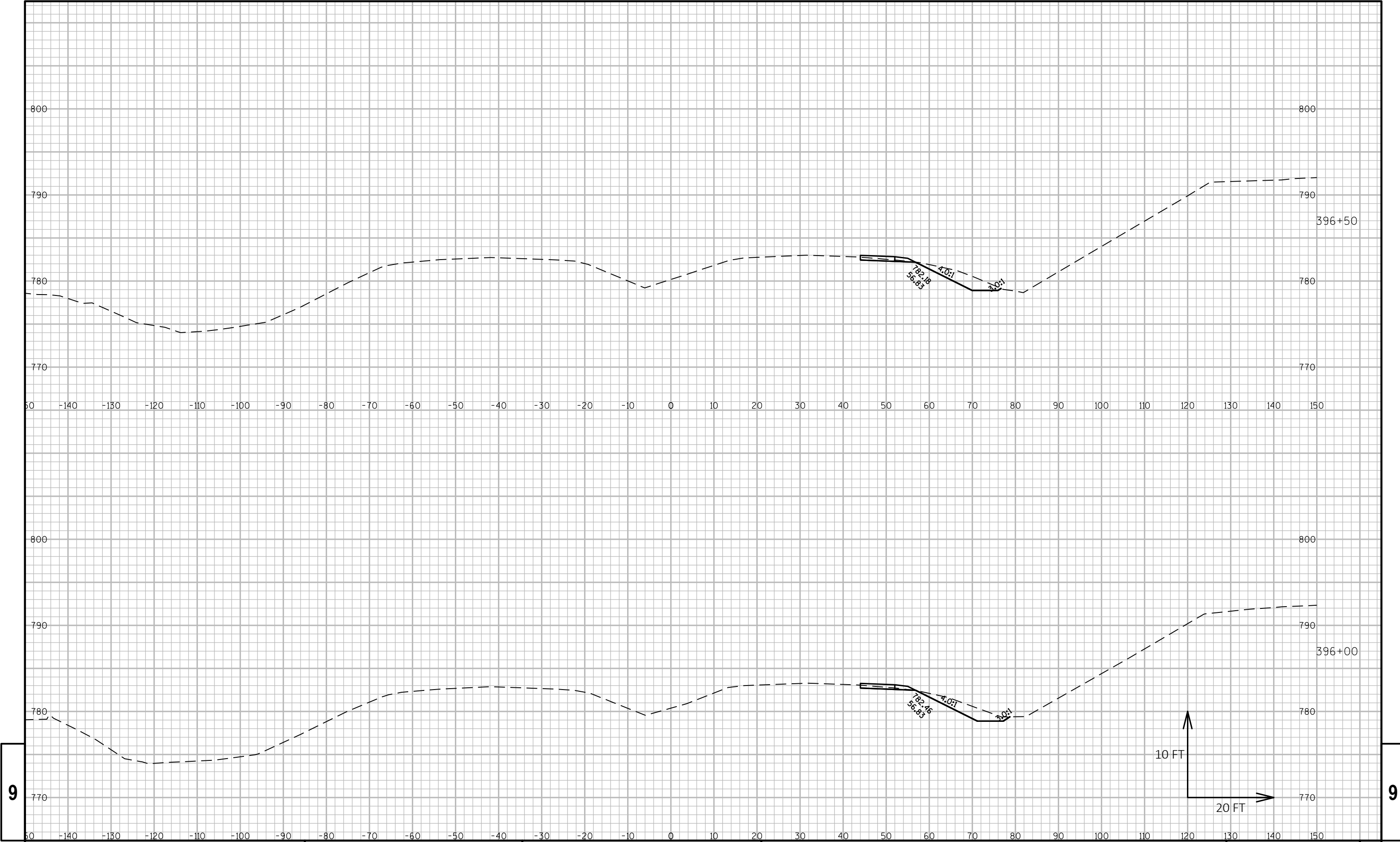
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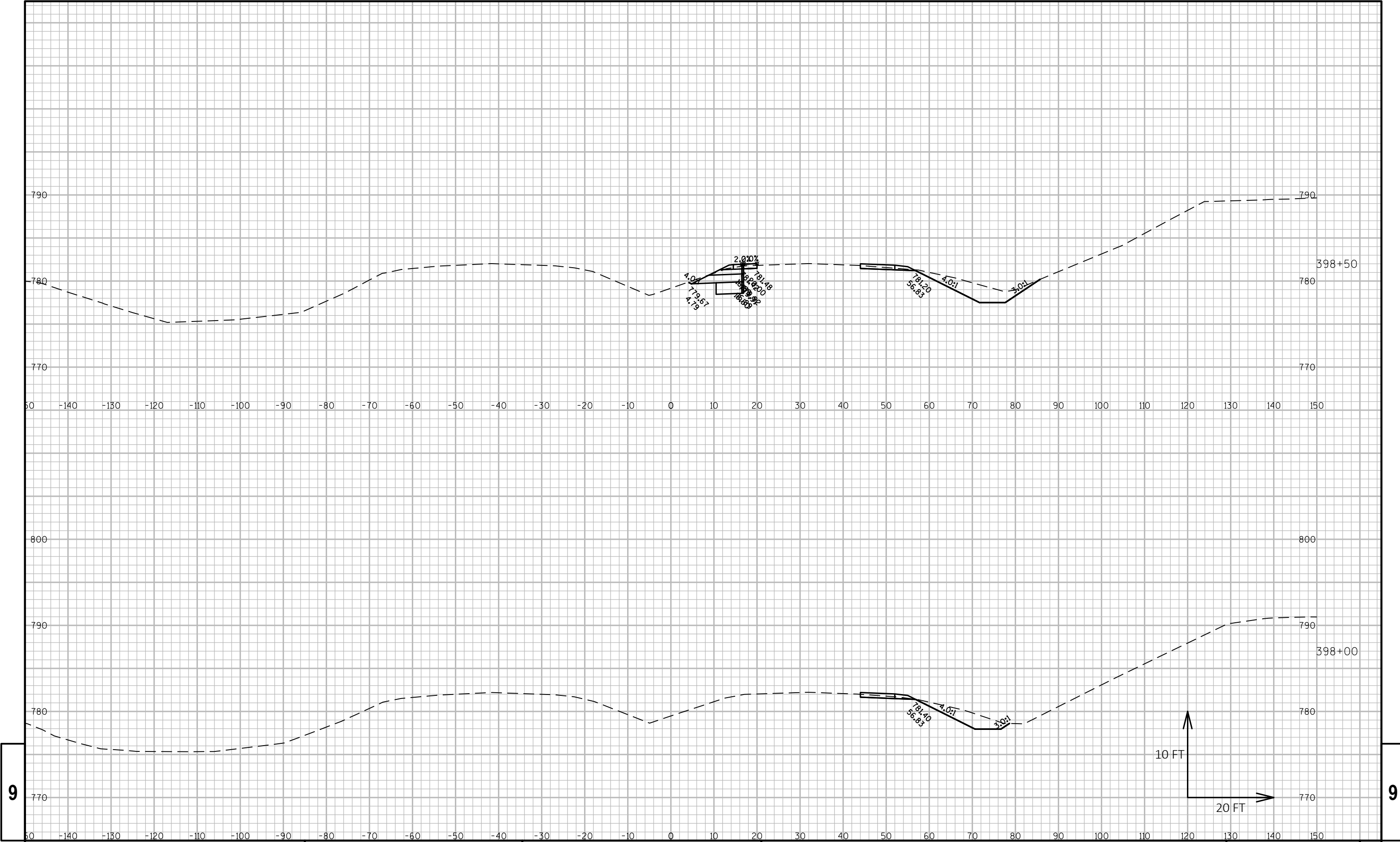
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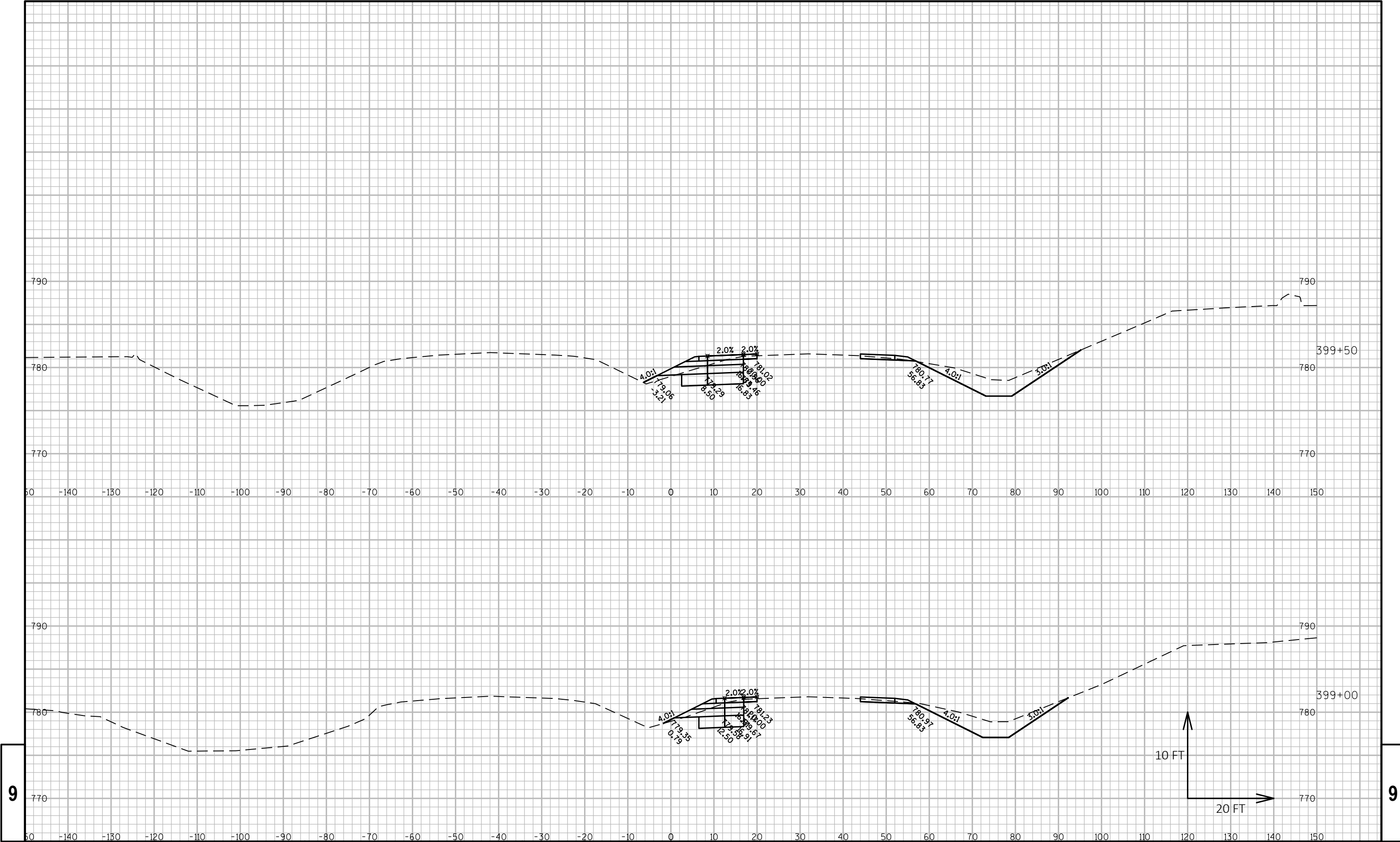
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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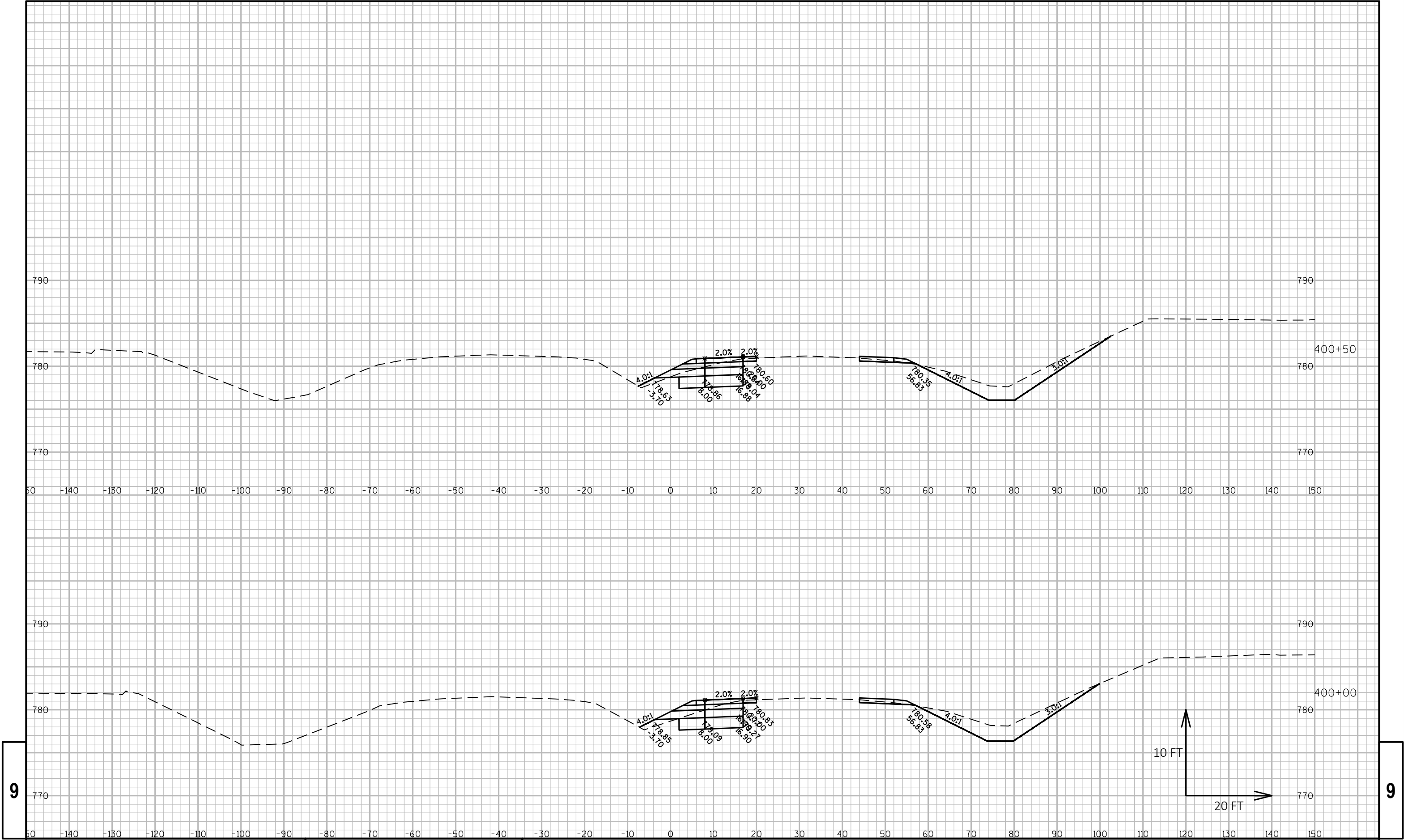
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

E

FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENT\CORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - STH 36 - (85)

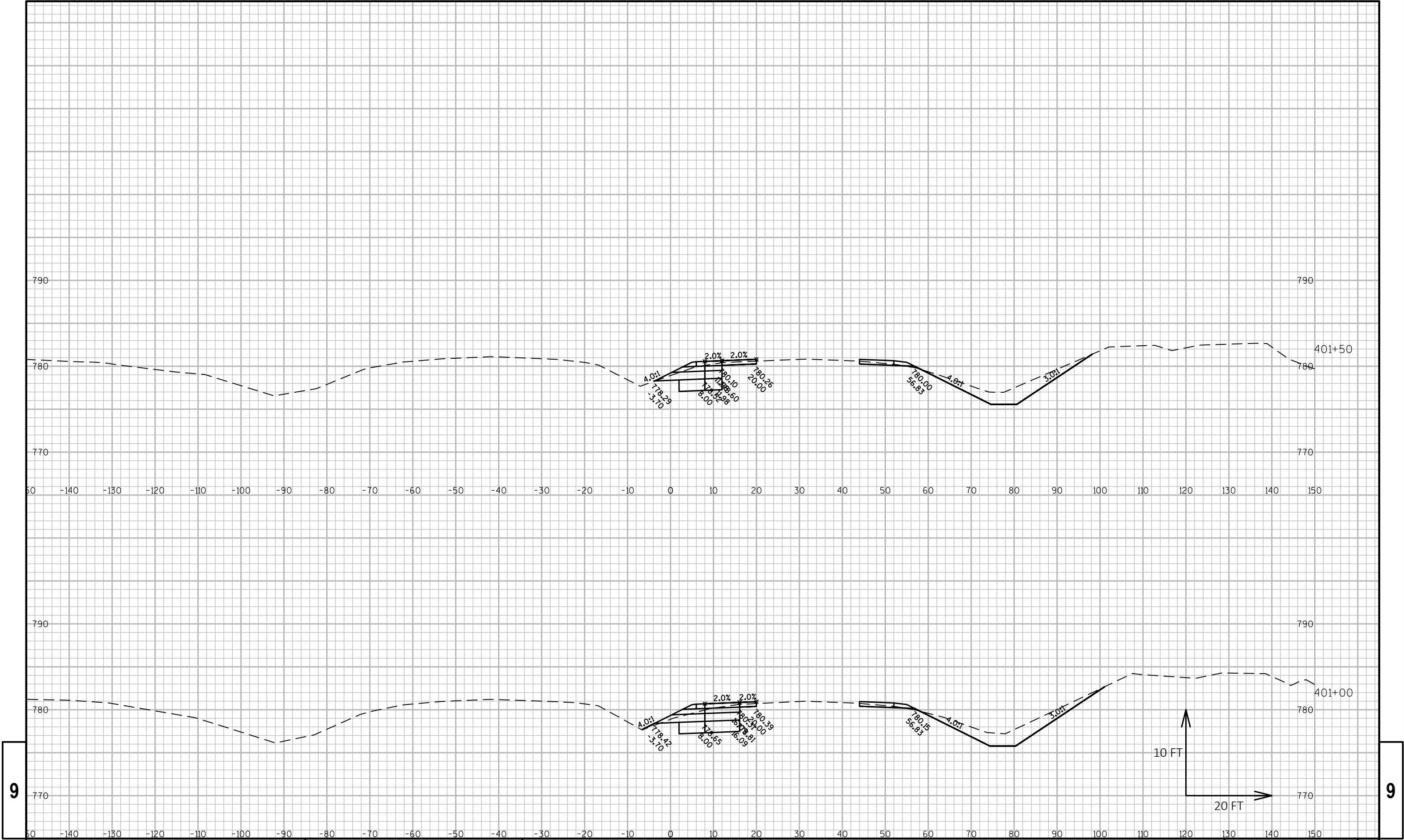
PLOT DATE : 7/9/2018 9:47 AM

PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

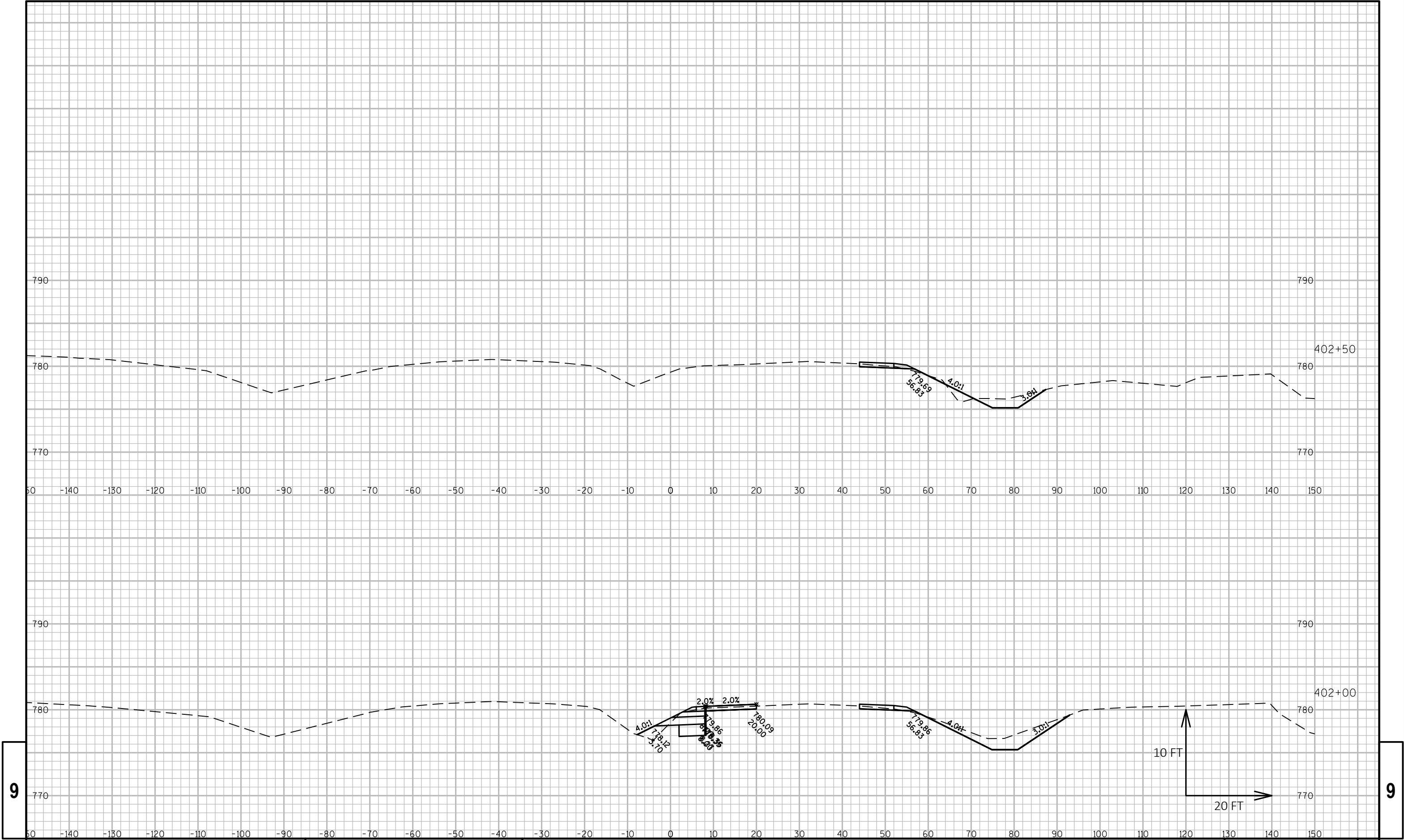
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_142
WISDOT/CADDs SHEET 49



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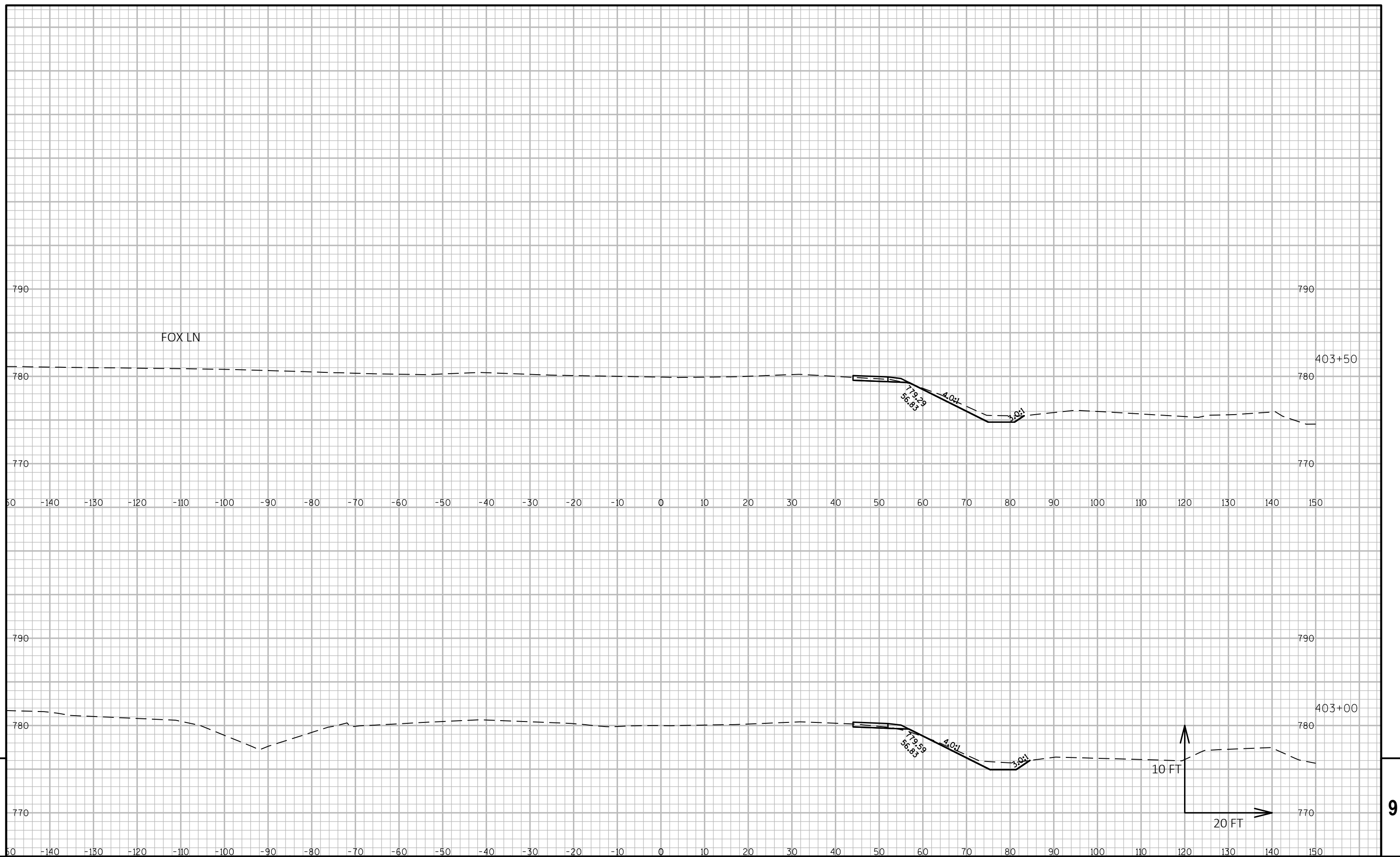
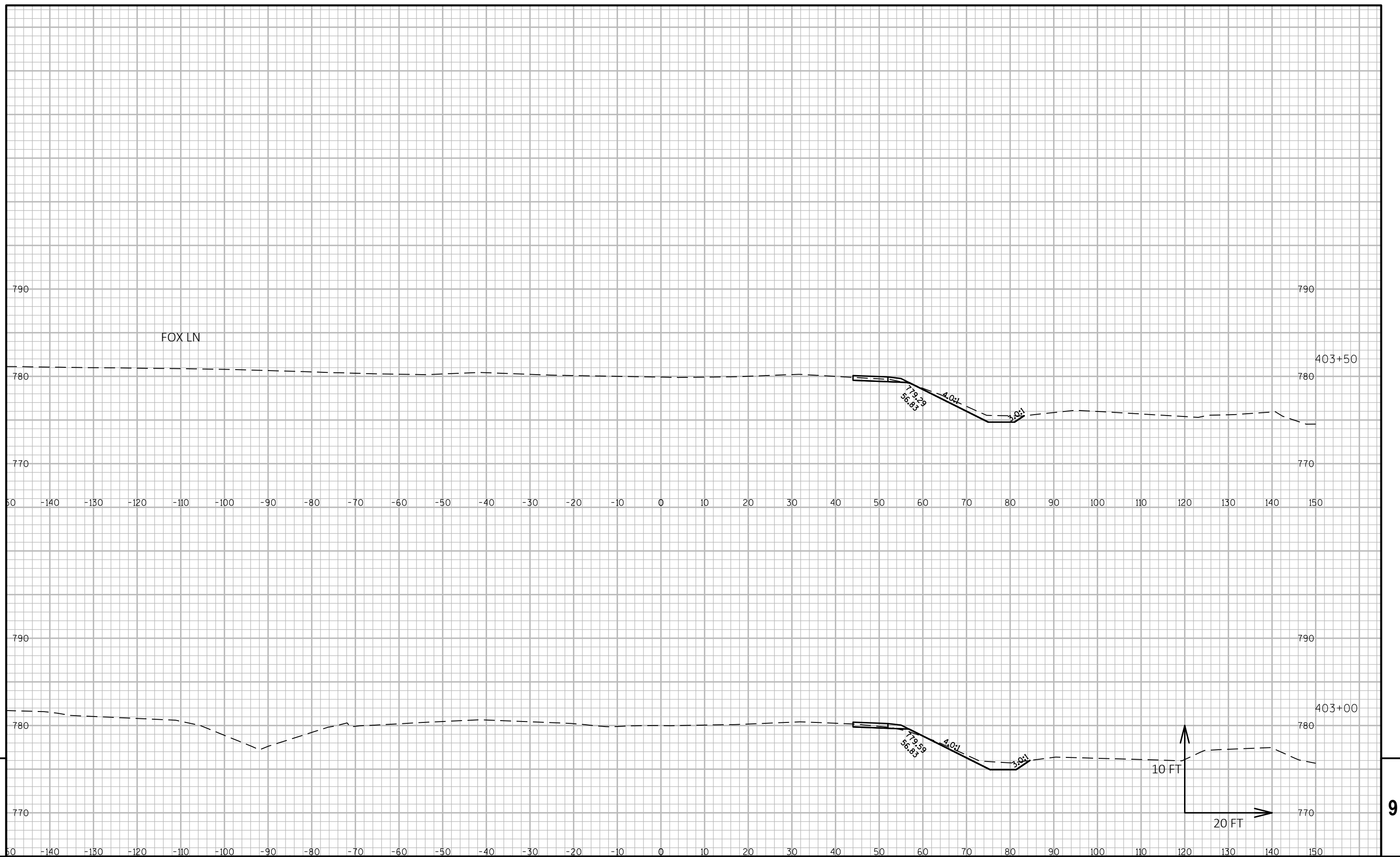
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

E

FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENTCORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - STH 36 - (88)

PLOT DATE : 7/9/2018 9:48 AM

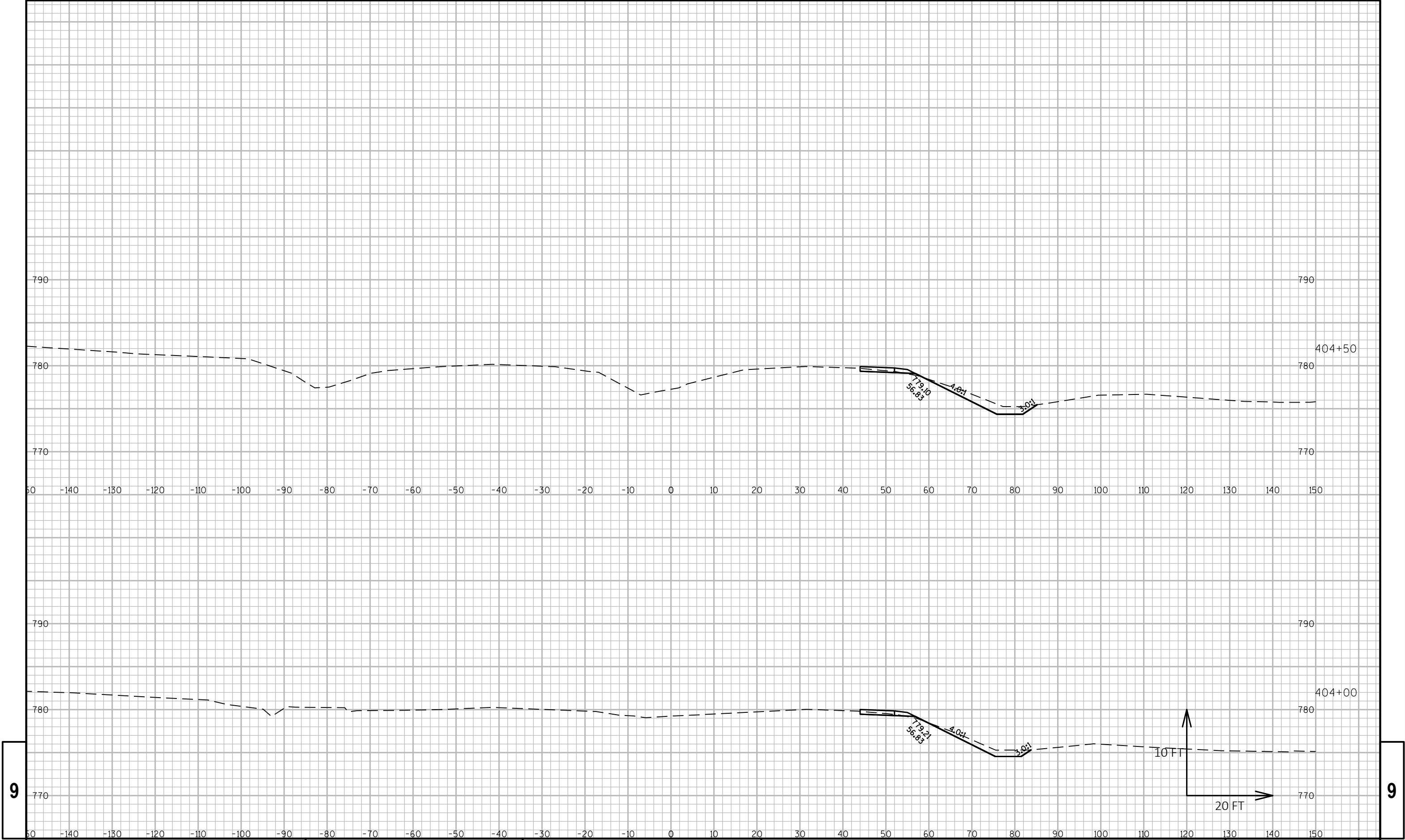
PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_145 

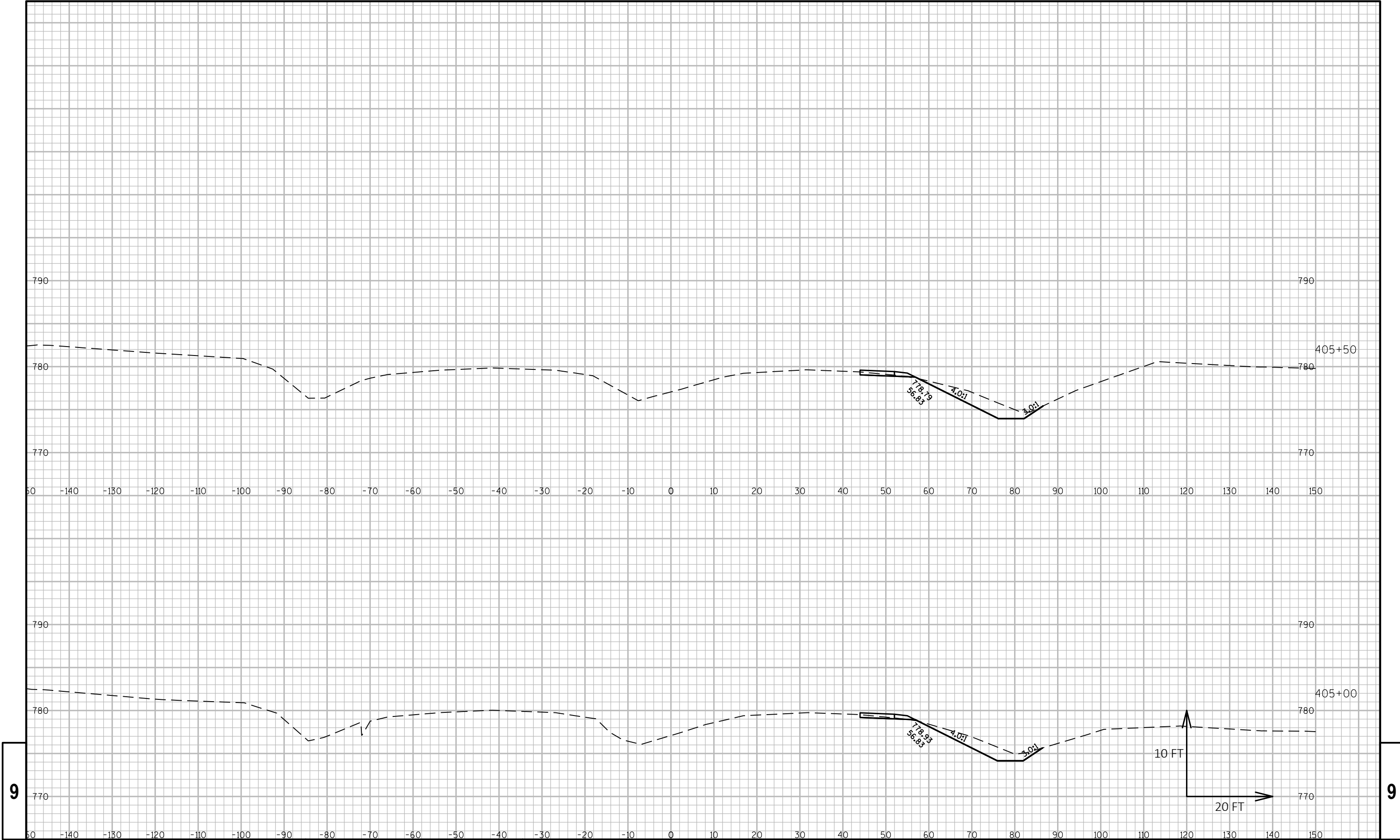
WISDOT/CADDS SHEET 49



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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

E

FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENTCORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - STH 36 - (90)

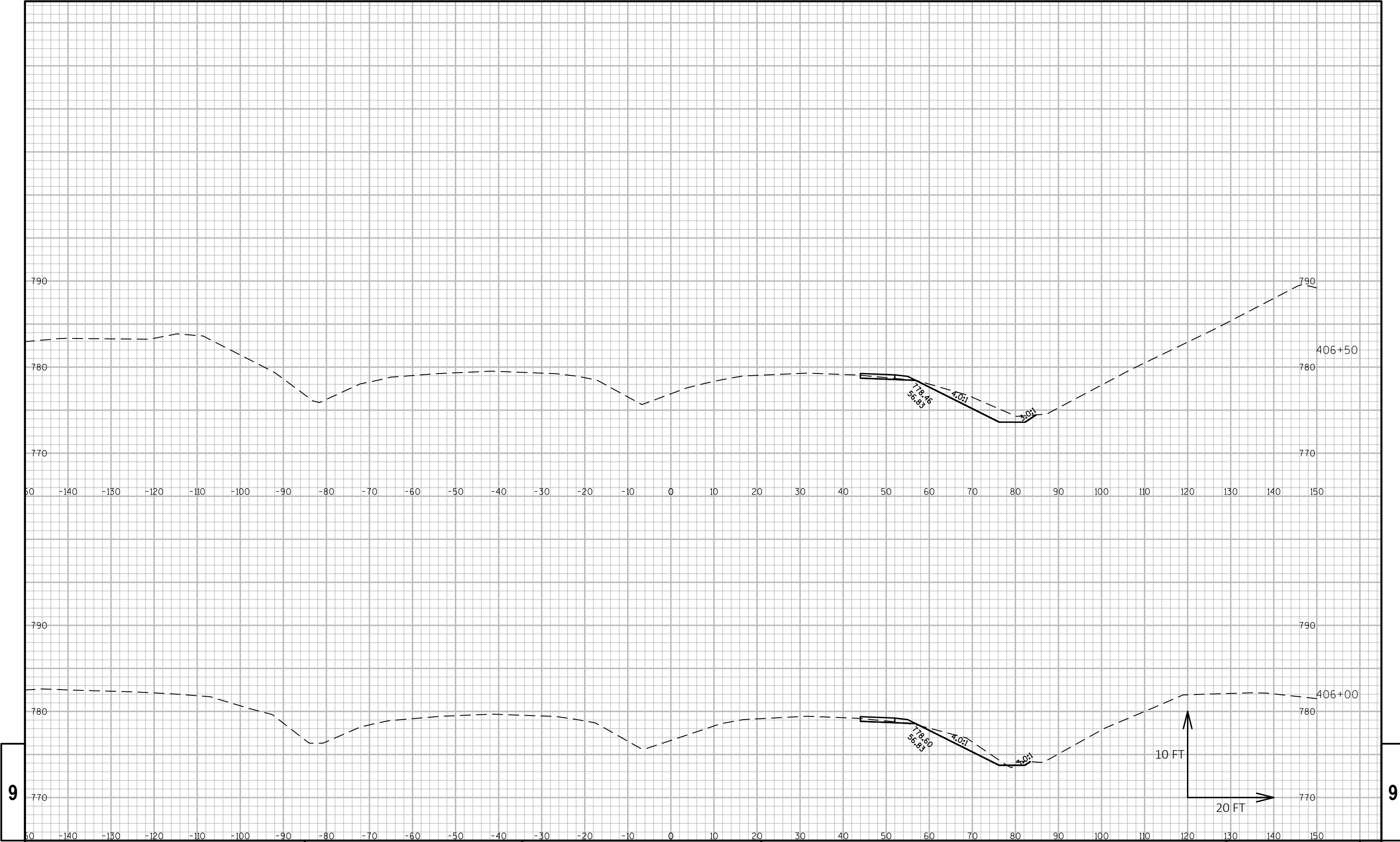
PLOT DATE : 7/9/2018 9:49 AM

PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

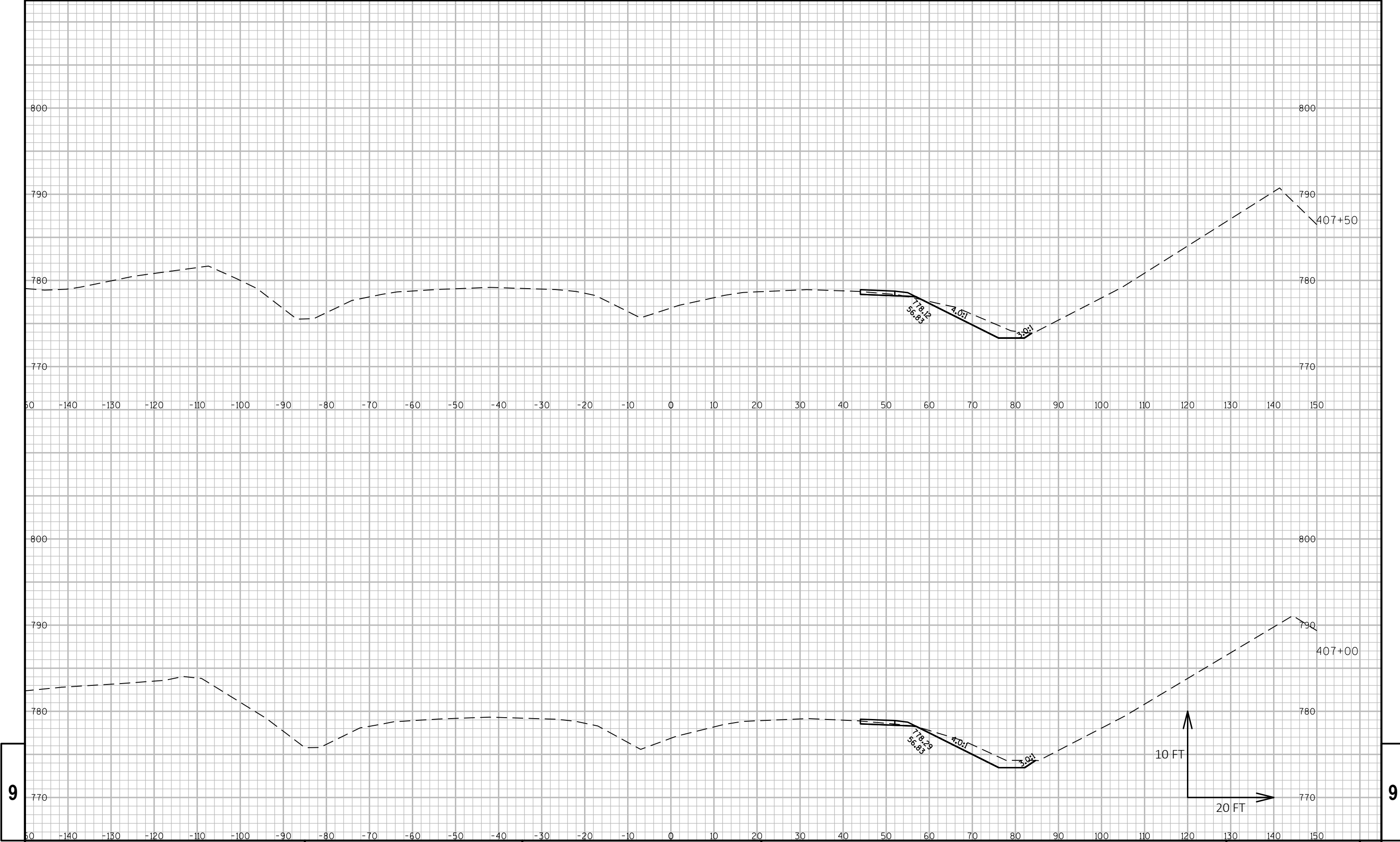
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_147
WISDOT/CADDs SHEET 49



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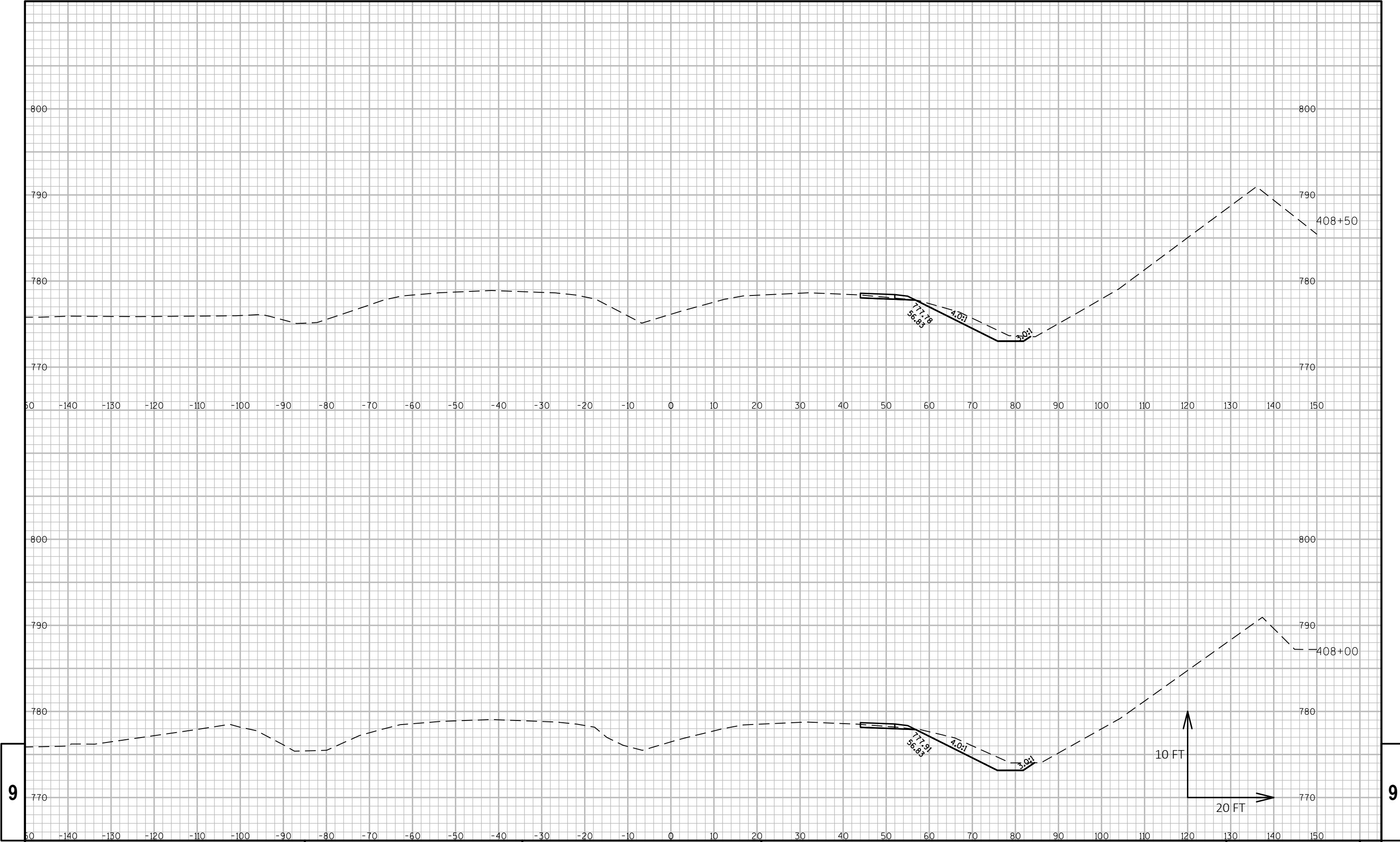
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

E

FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENT\CORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - STH 36 - (93)

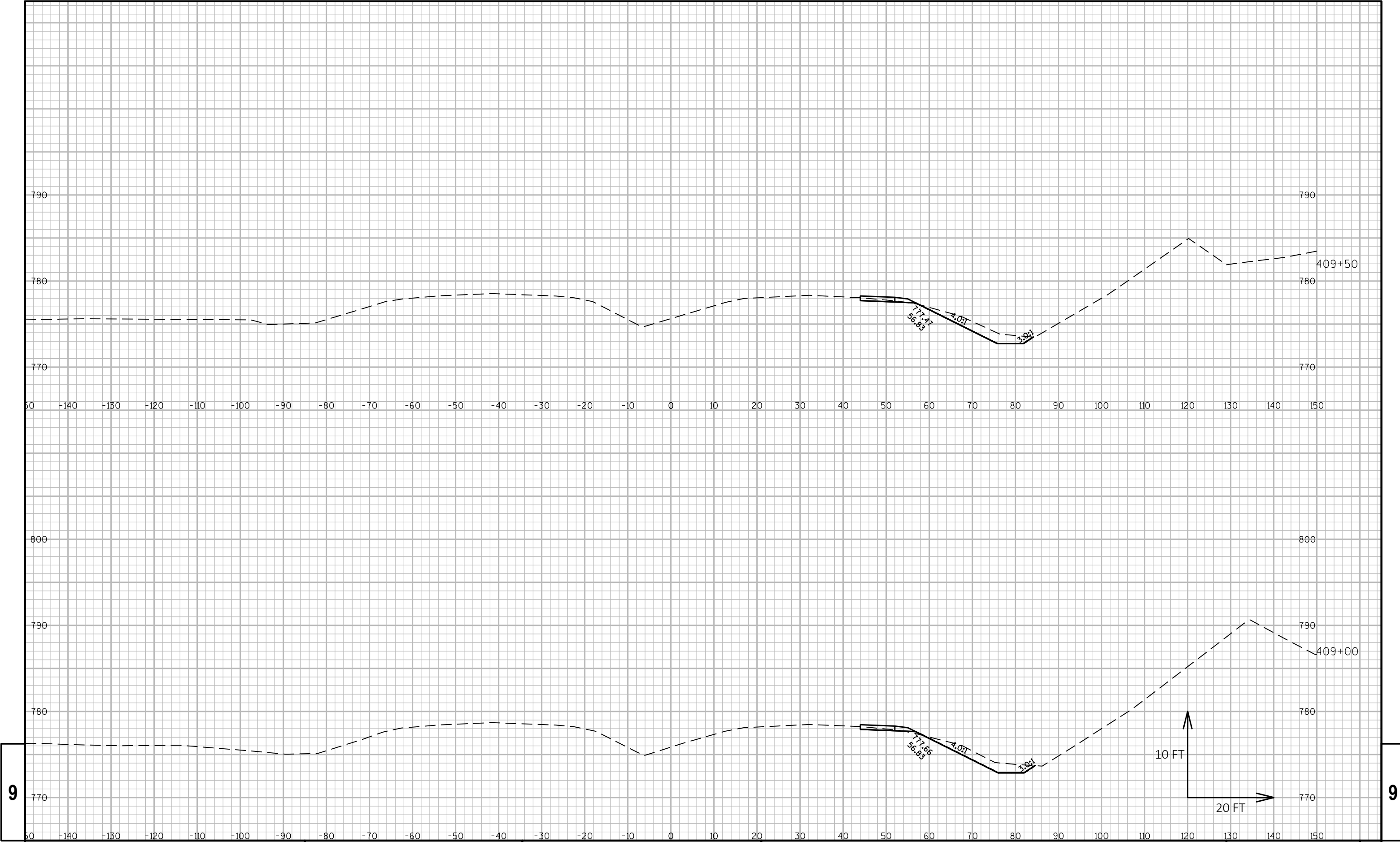
PLOT DATE : 7/9/2018 9:50 AM

PLOT BY : SCHROEDER, JENNIFER

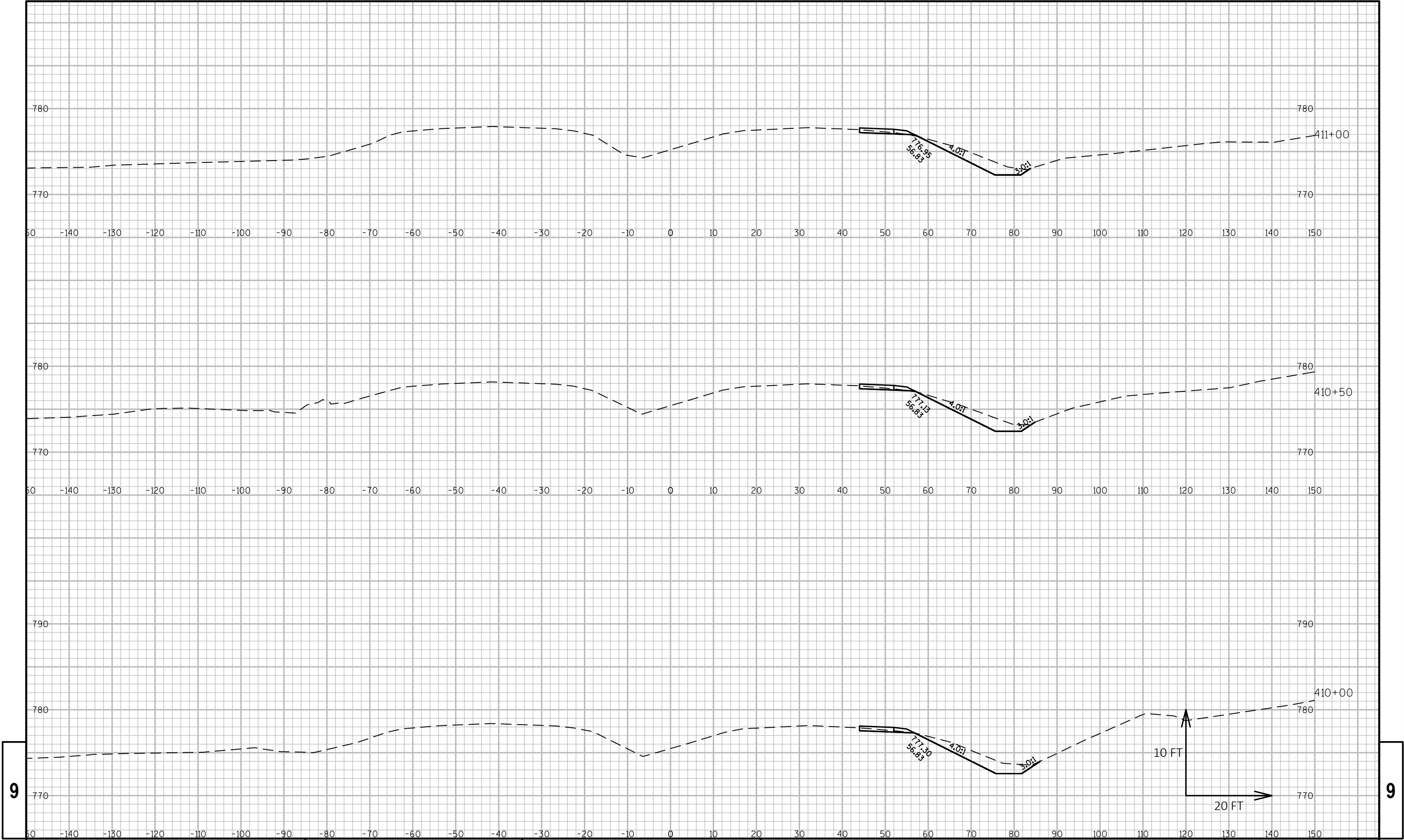
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_150
WISDOT/CADDs SHEET 49



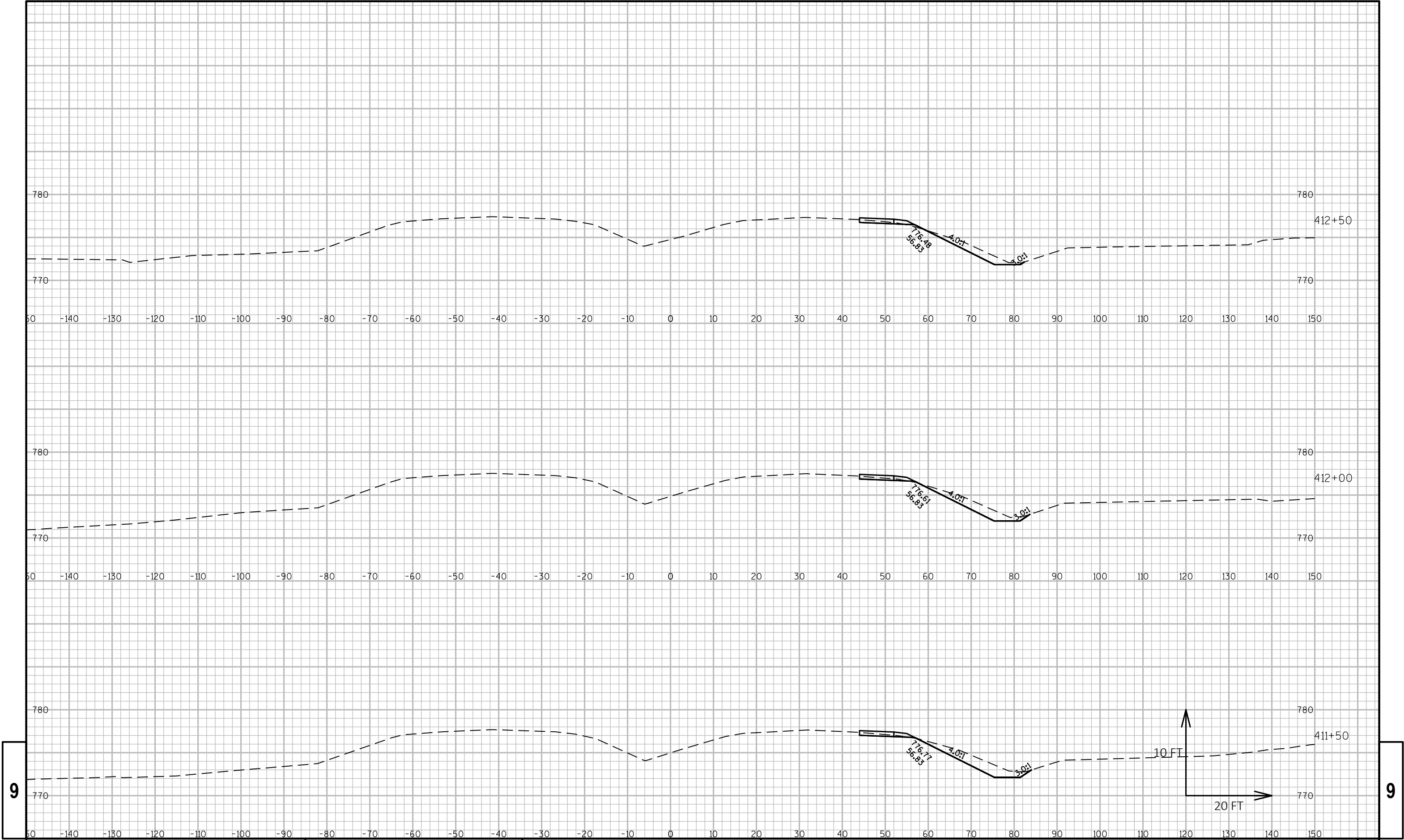
9												9				
PROJECT NO: 2240-00-77					HWY: STH 36					COUNTY: RACINE						
					CROSS SECTIONS:					SHEET						



9

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PROJECT NO: 2240-00-77				HWY: STH 36				COUNTY: RACINE				CROSS SECTIONS:				SHEET				E
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

E

FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENTCORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - STH 36 - (96)

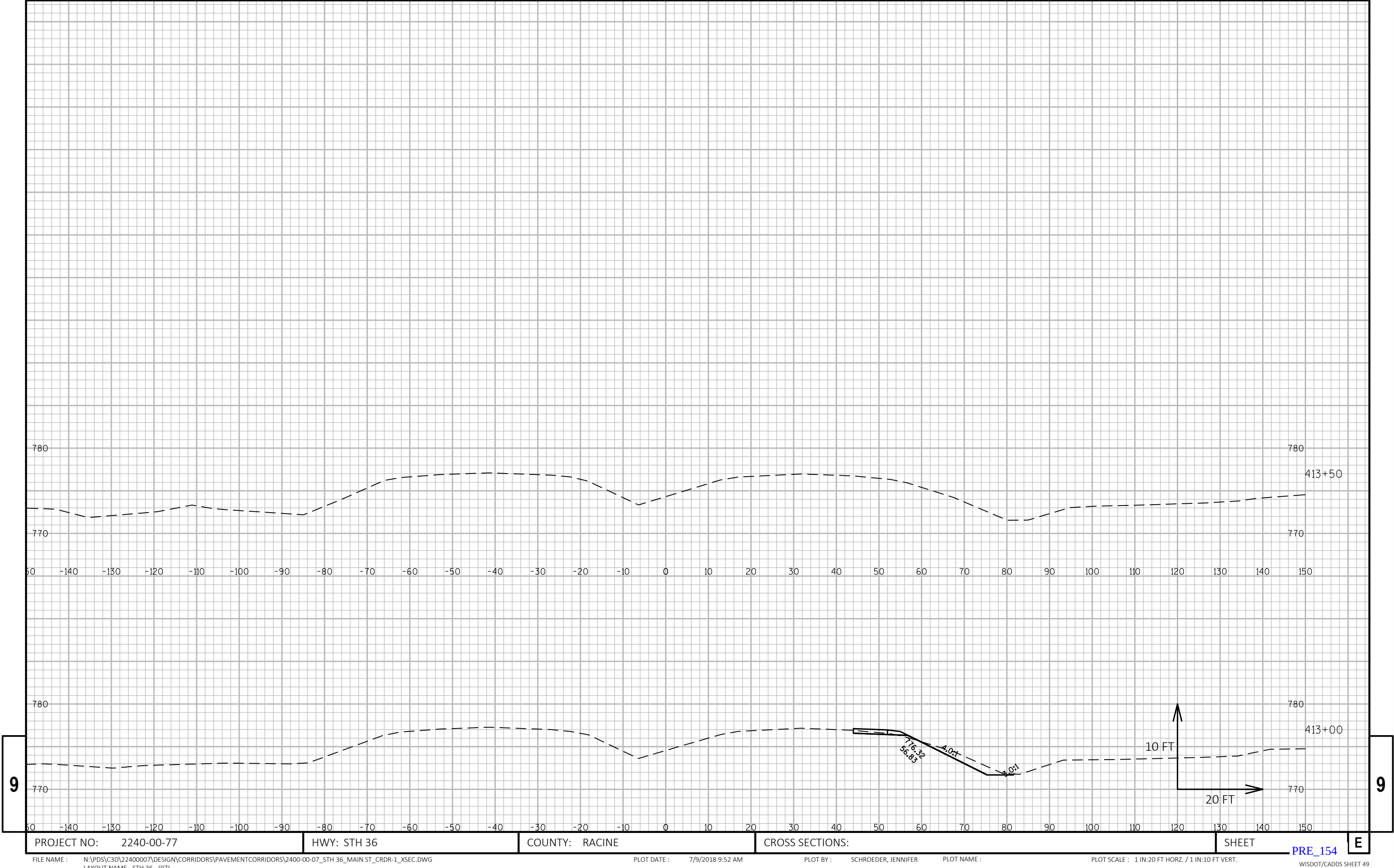
PLOT DATE : 7/9/2018 9:51 AM

PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_153
WISDOT/CADD5 SHEET 49



PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

E

FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENTCORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - STH 36 - (97)

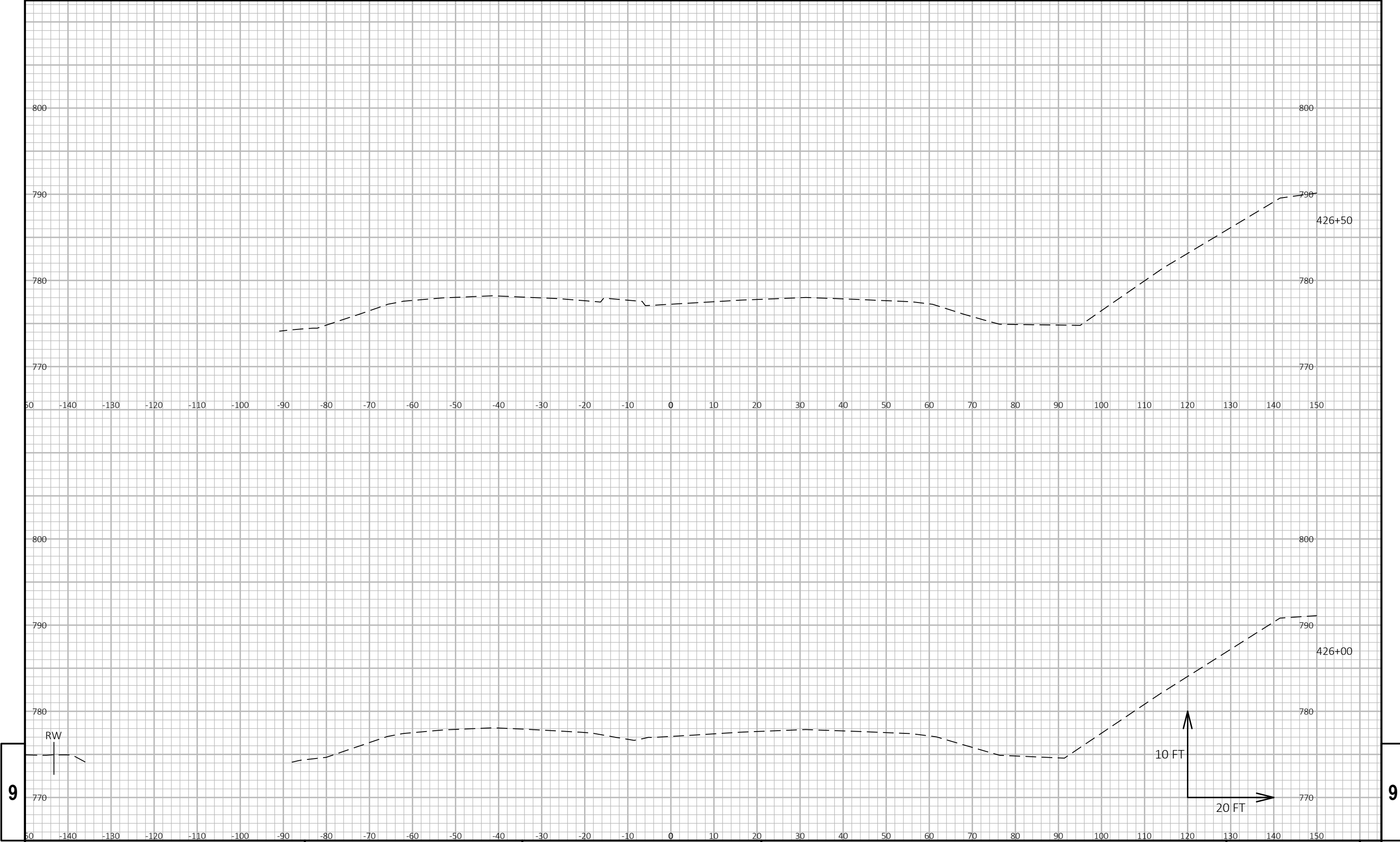
PLOT DATE : 7/9/2018 9:52 AM

PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

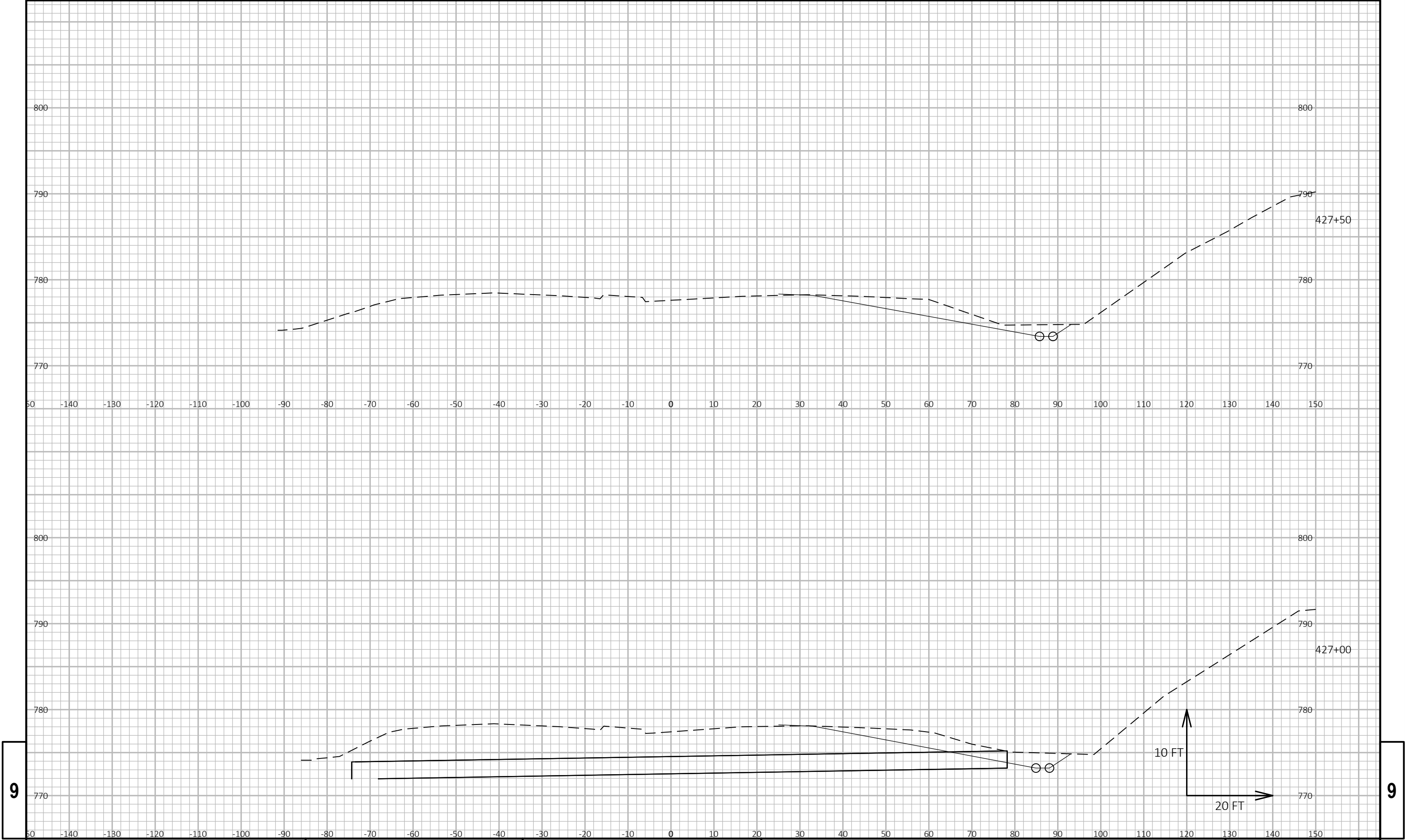
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_154
WISDOT/CADDs SHEET 49



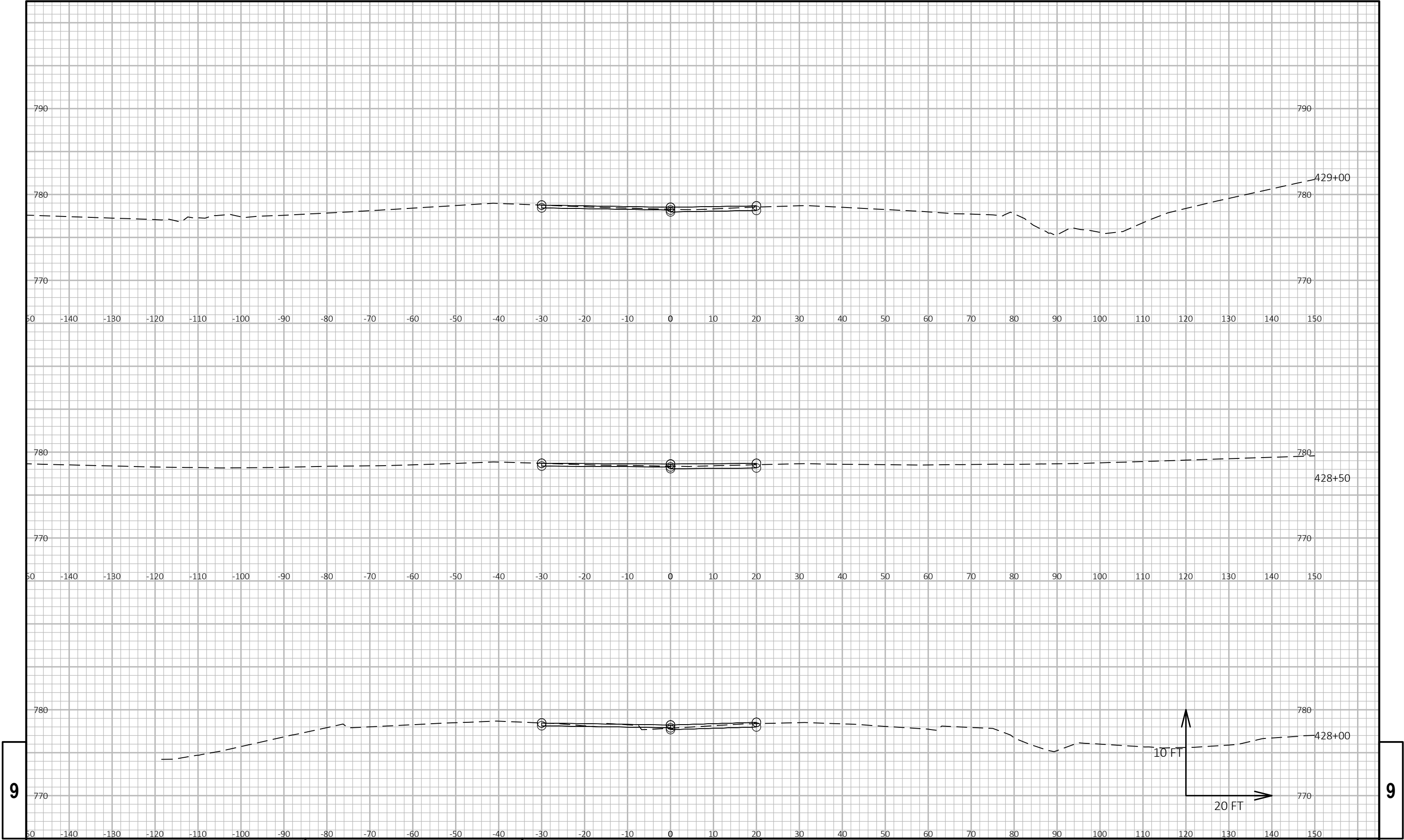
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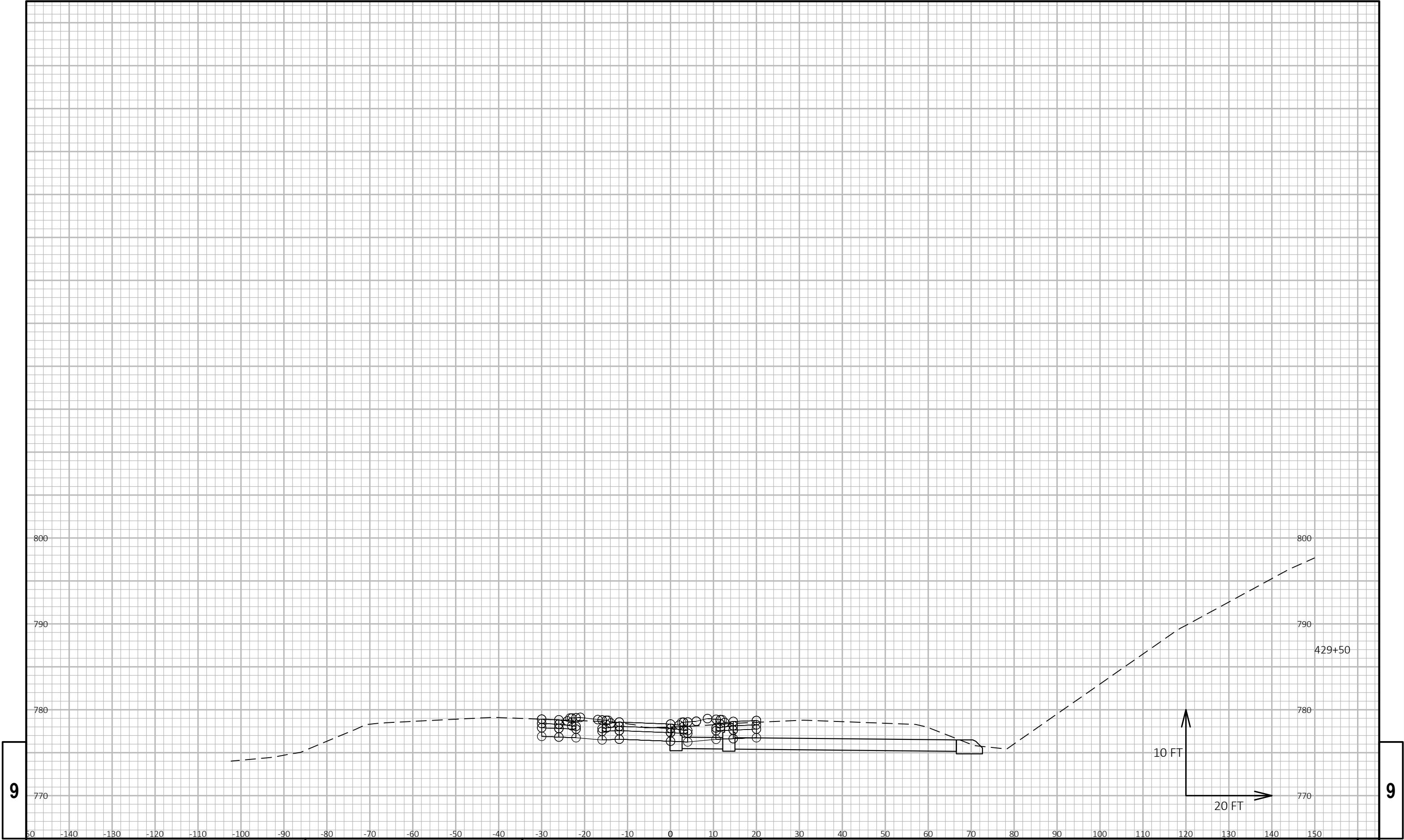
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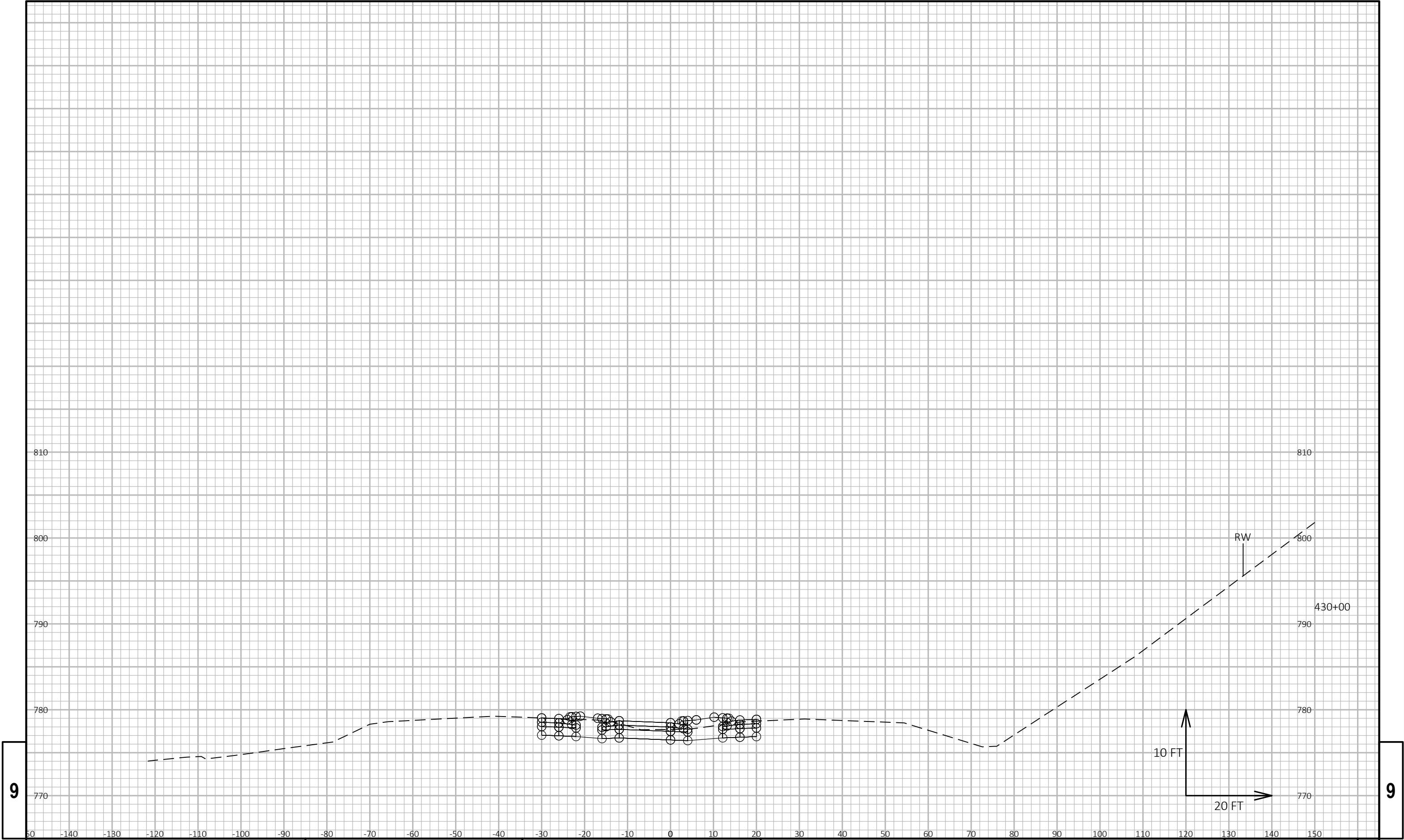
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

E

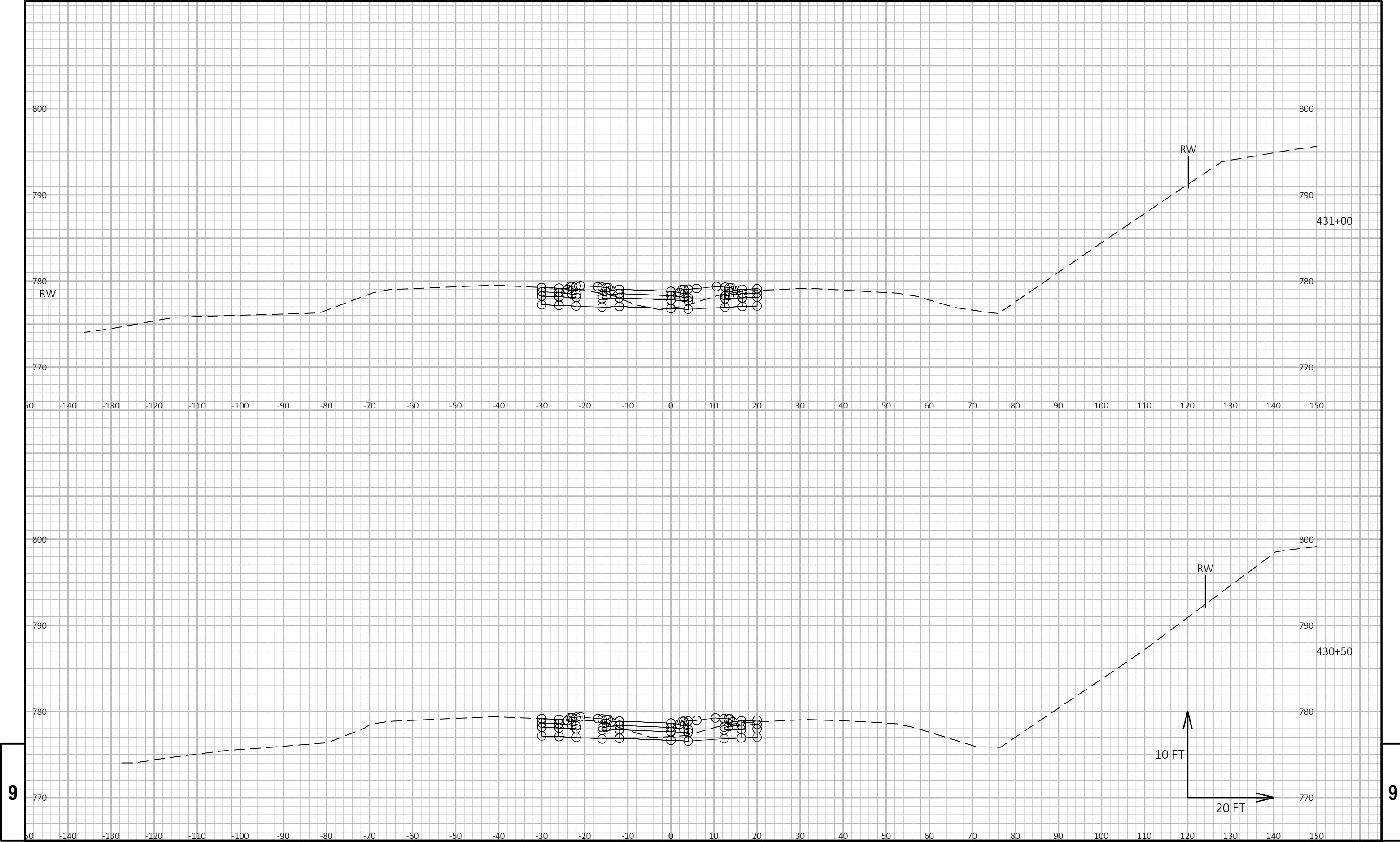
FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENTCORRIDORS\2400-00-07_STH 36_164_CRDR_XSEC.DWG
LAYOUT NAME - Section Sheet - (5)

PLOT DATE : 7/6/2018 9:53 AM

PLOT BY : SCHROEDER, JENNIFER

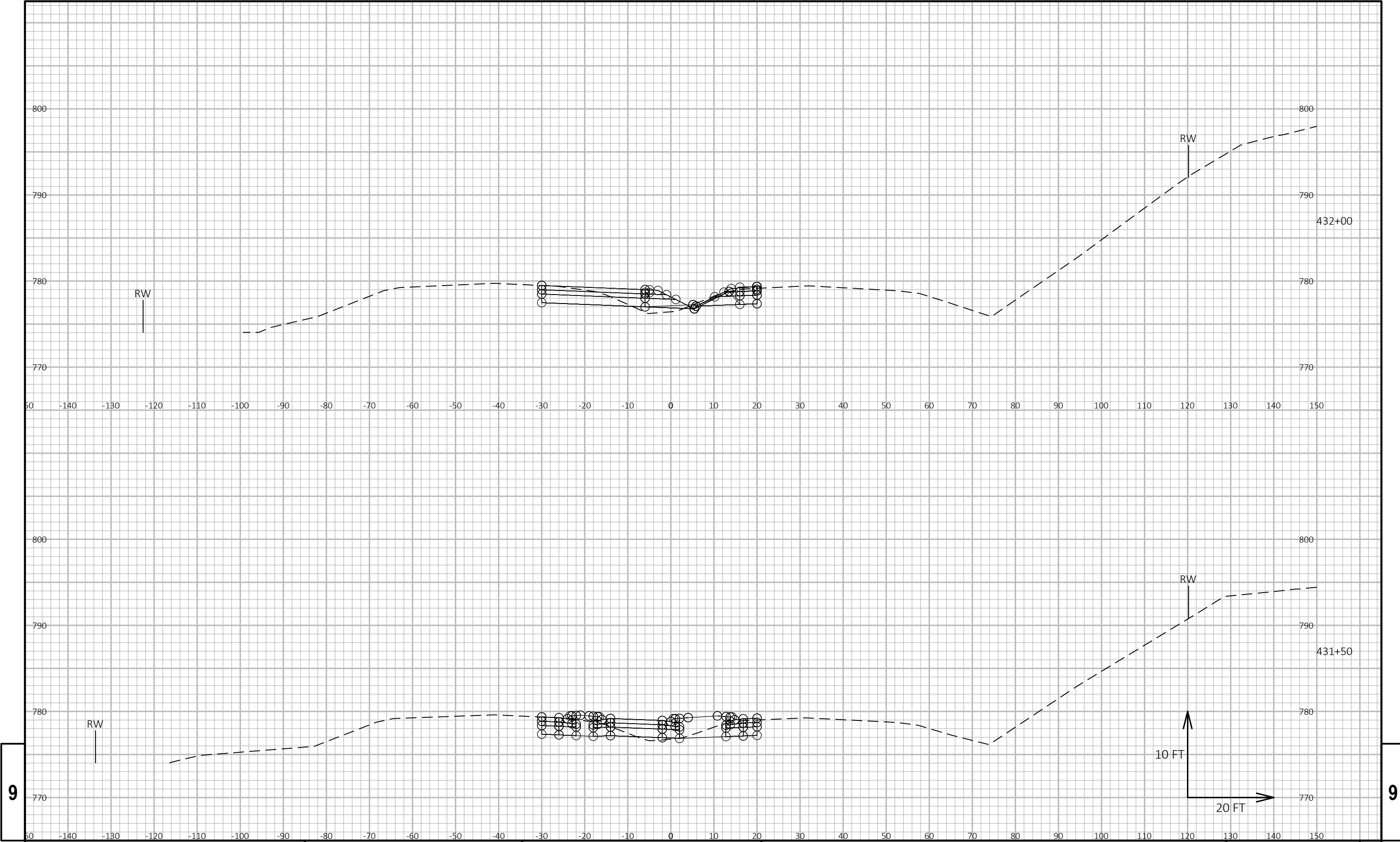
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



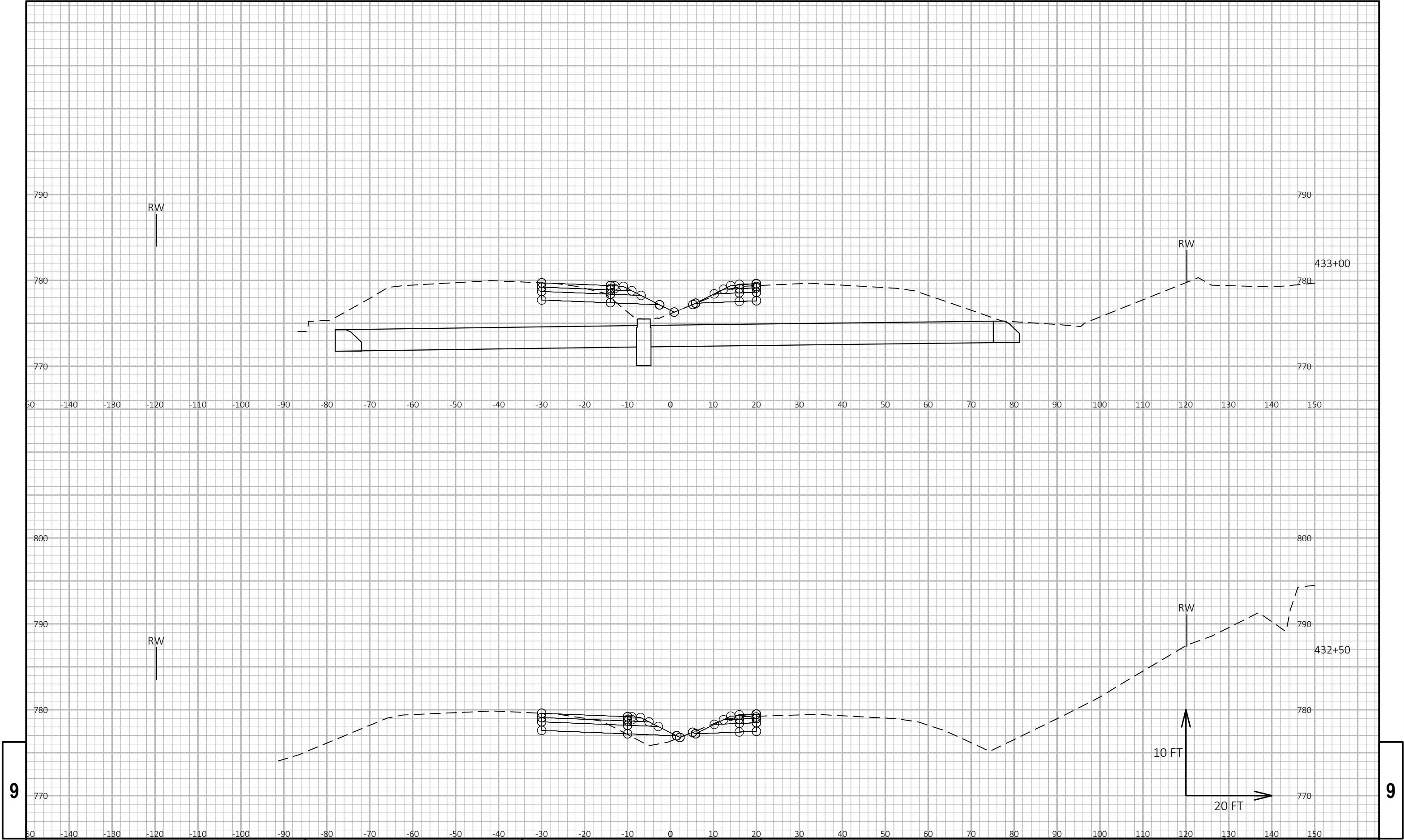
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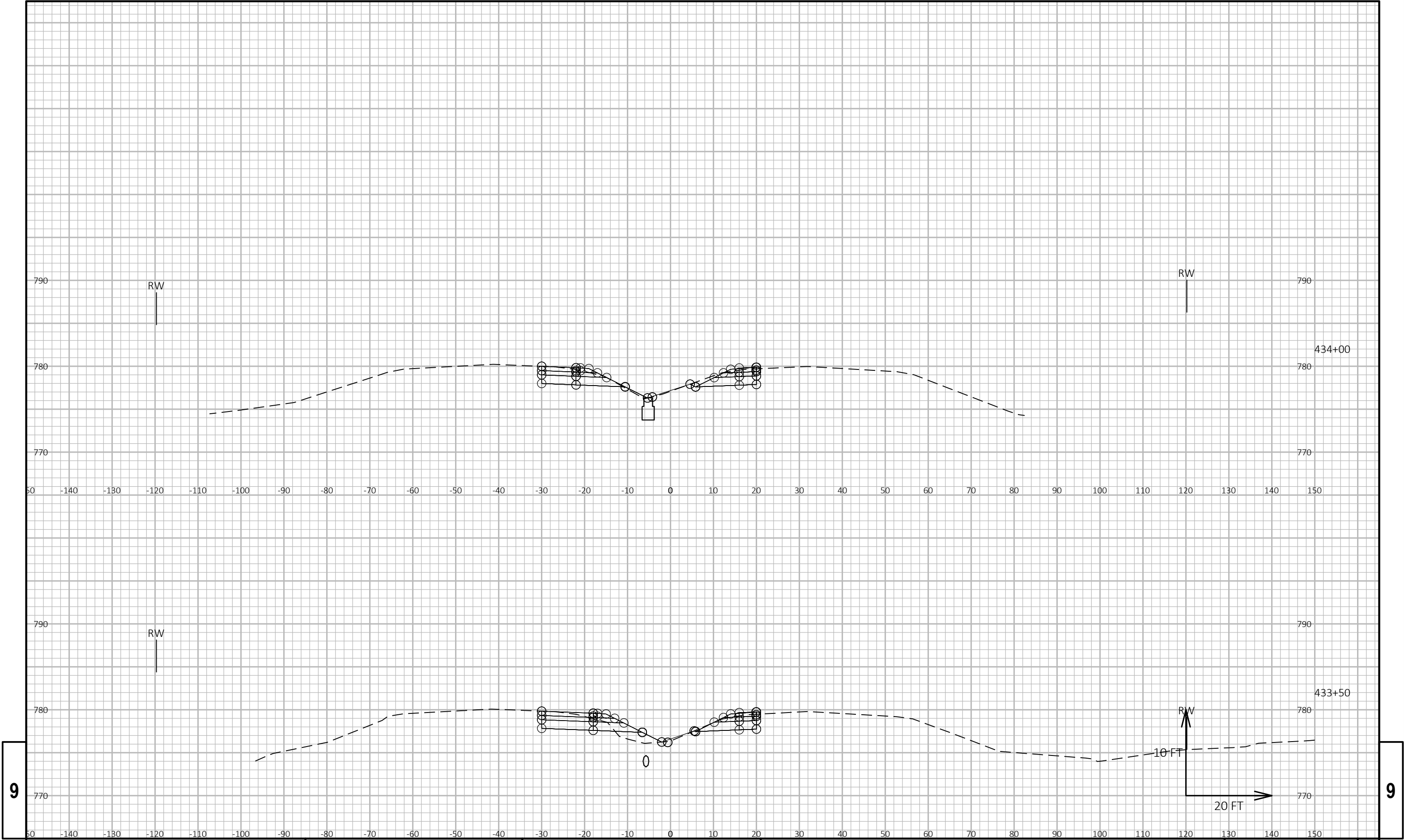
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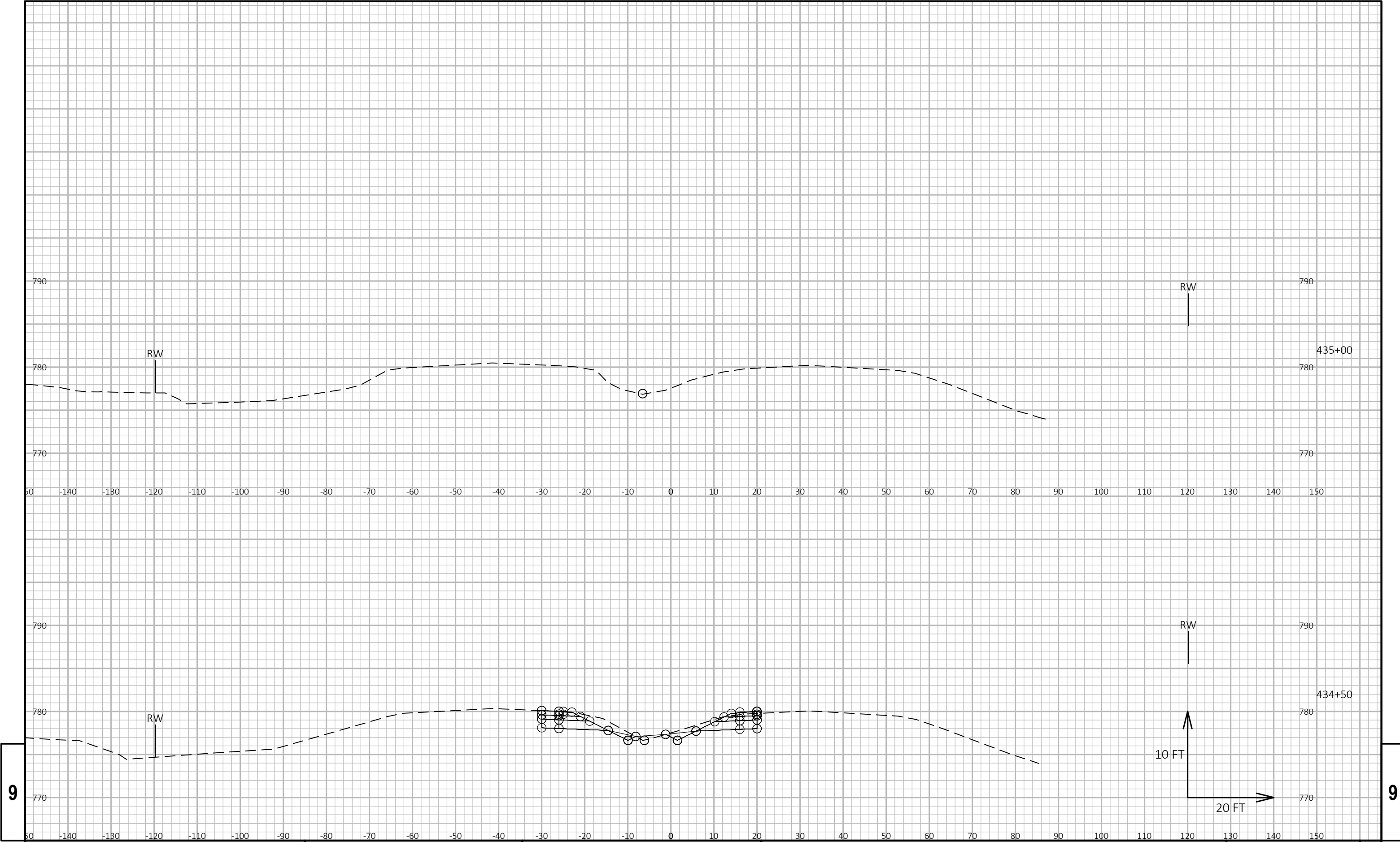
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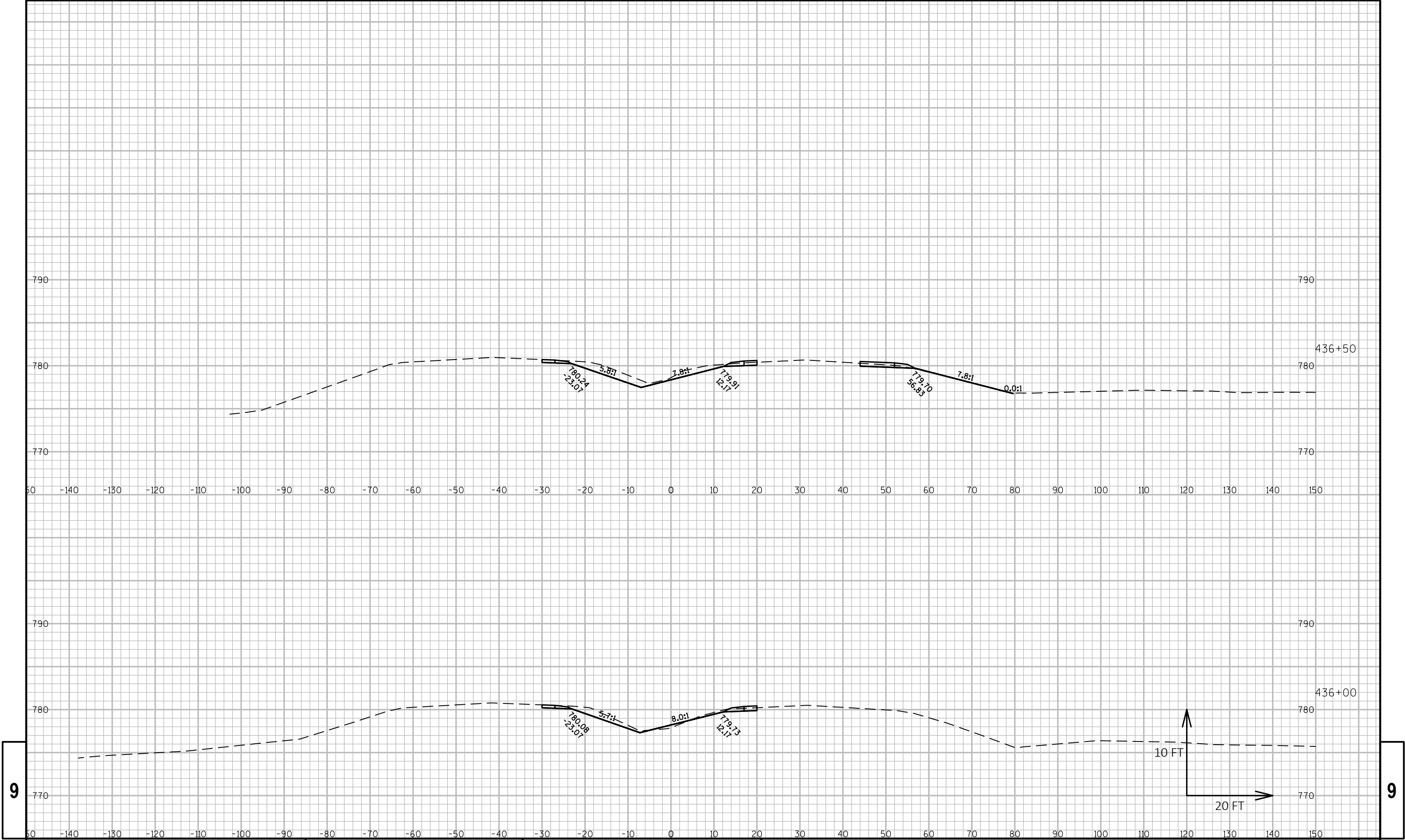
PROJECT NO: 2240-00-77				HWY: STH 36				COUNTY: RACINE				CROSS SECTIONS:				SHEET				E
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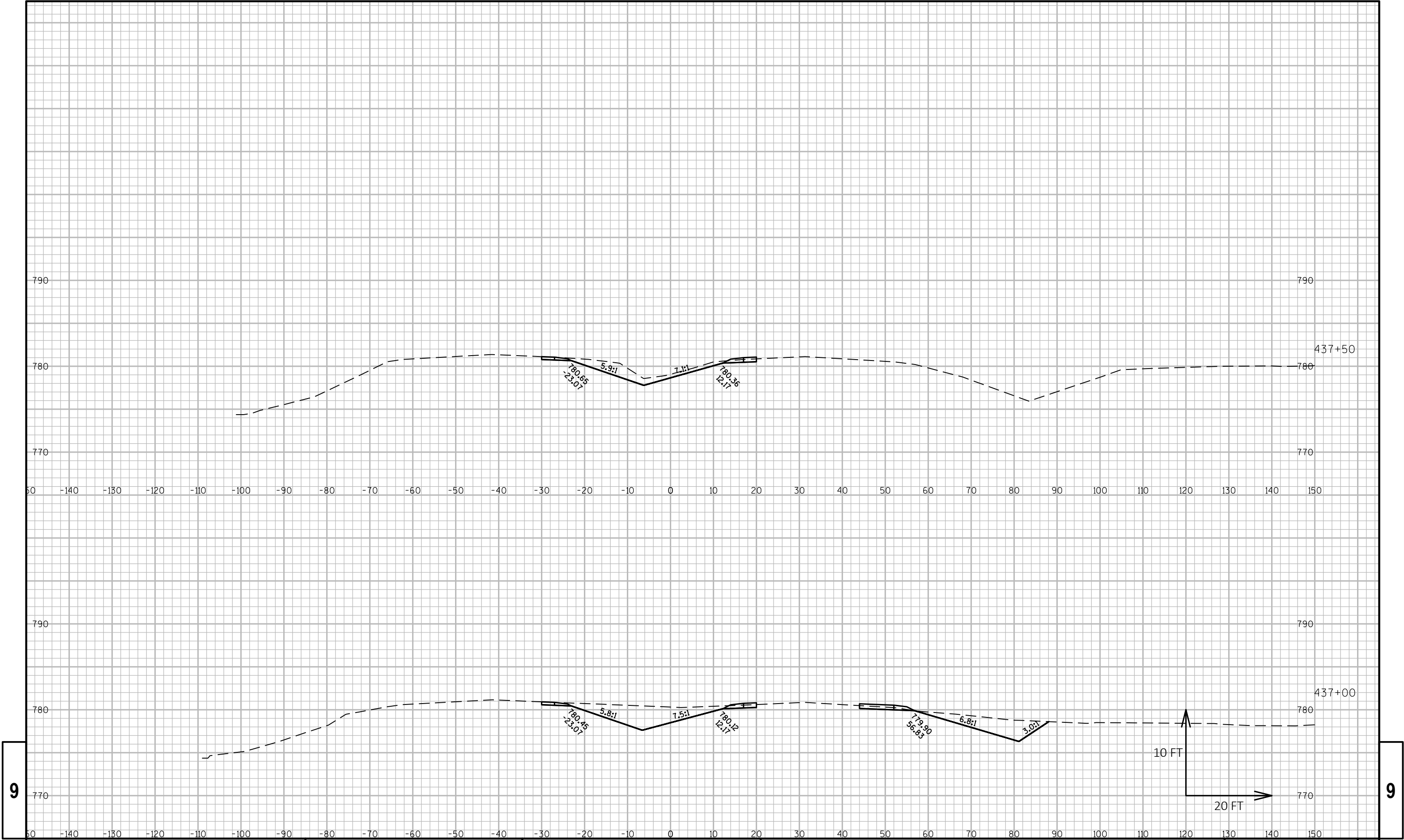
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PROJECT NO: 2240-00-77				HWY: STH 36				COUNTY: RACINE				CROSS SECTIONS:				SHEET				E
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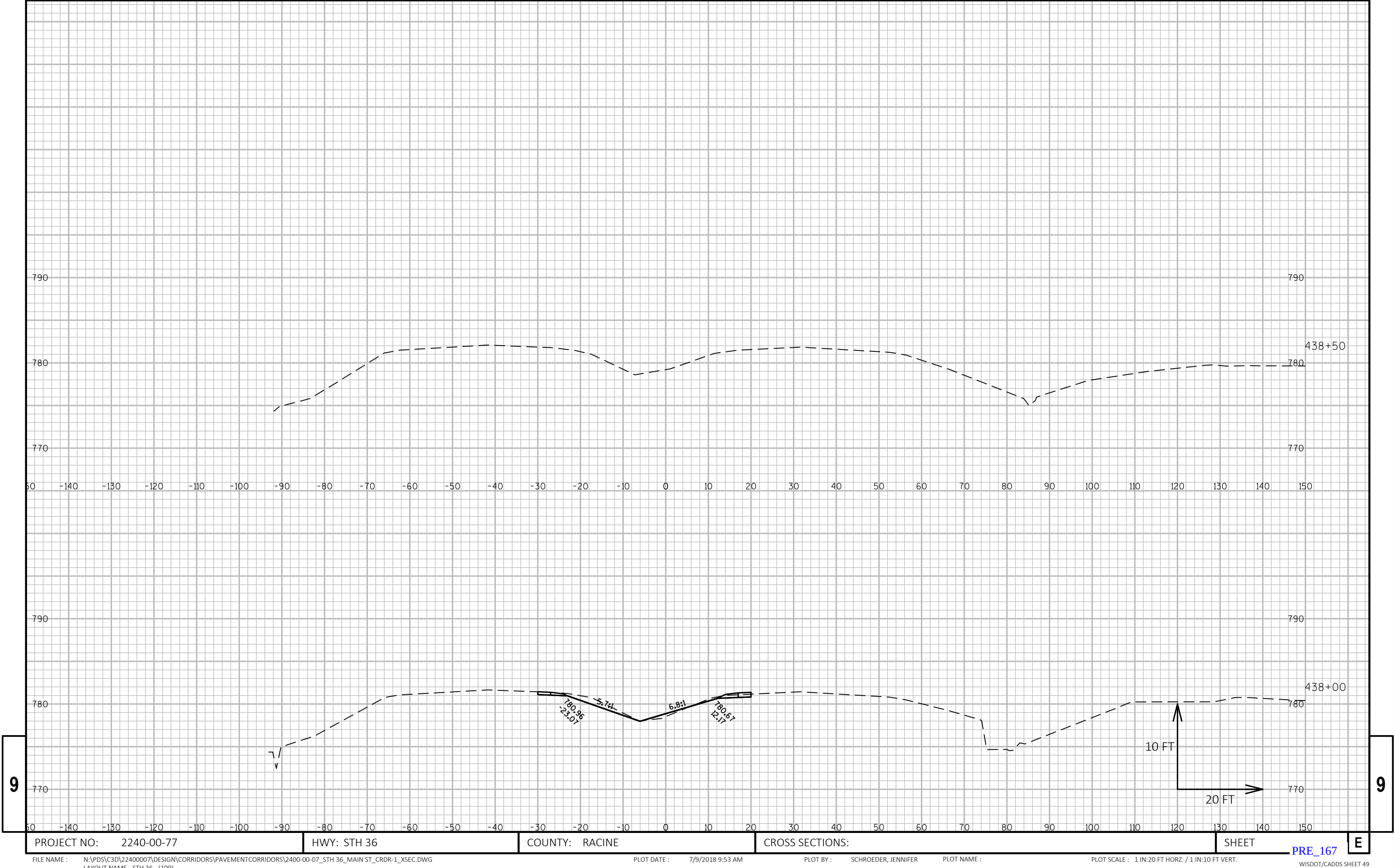
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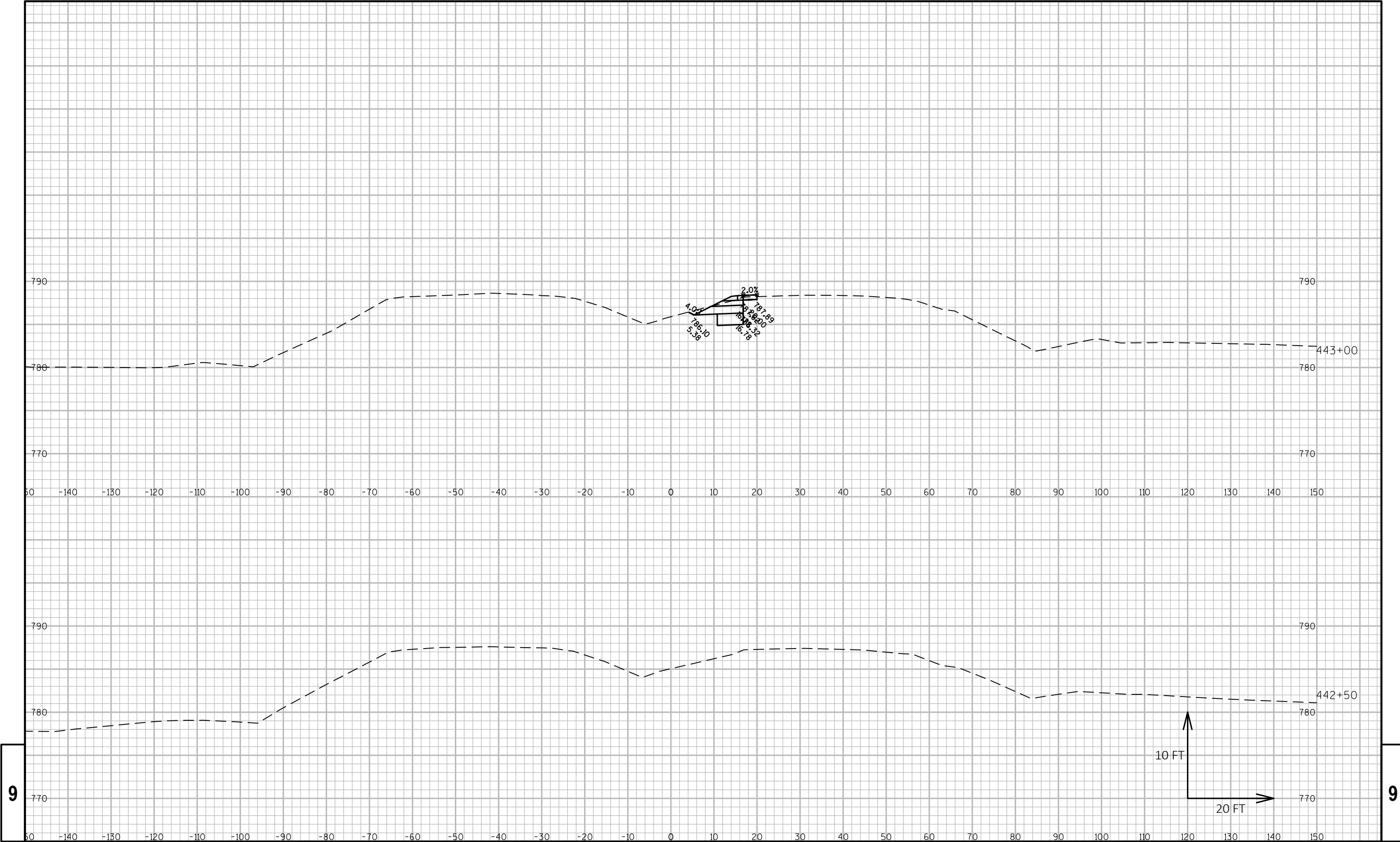
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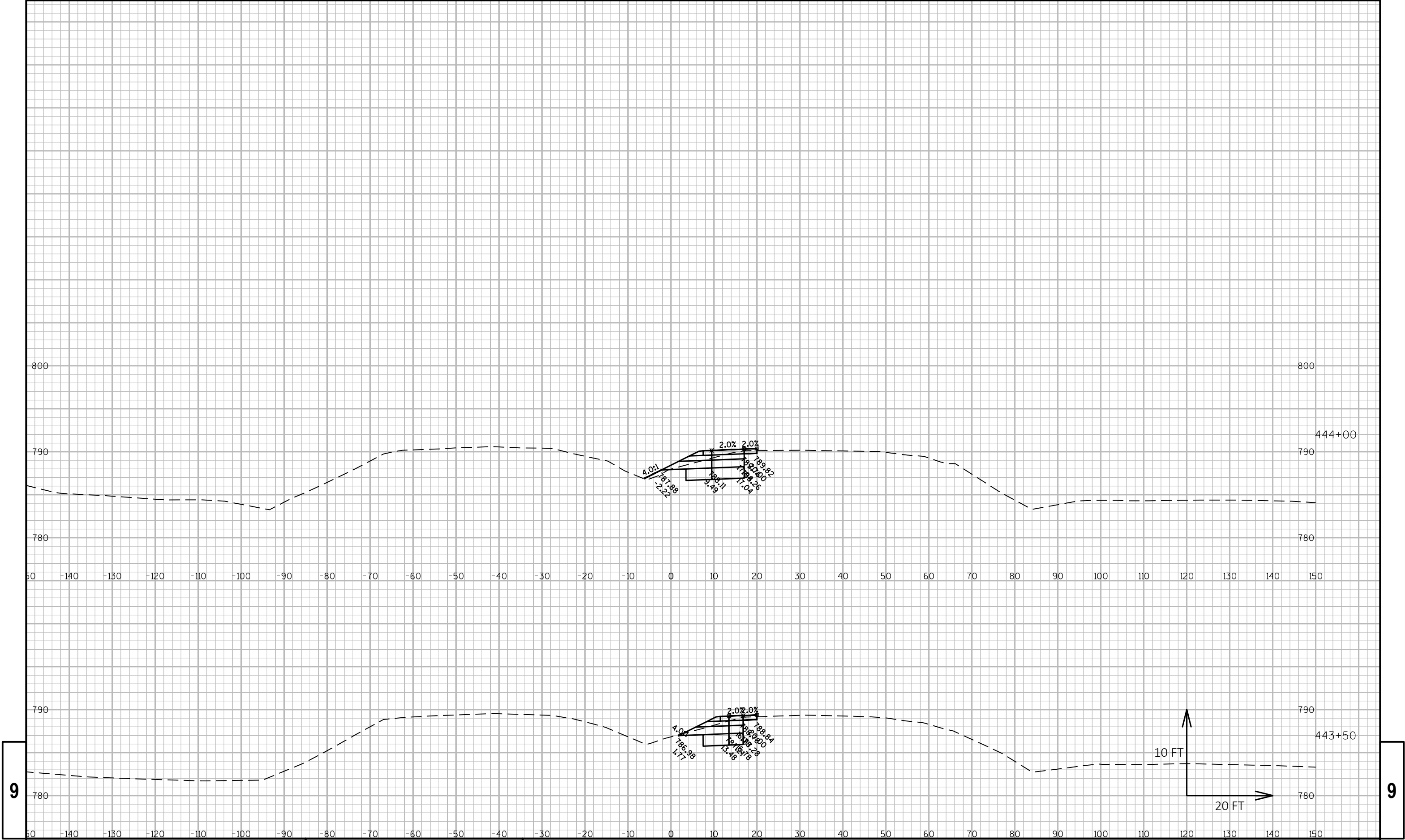




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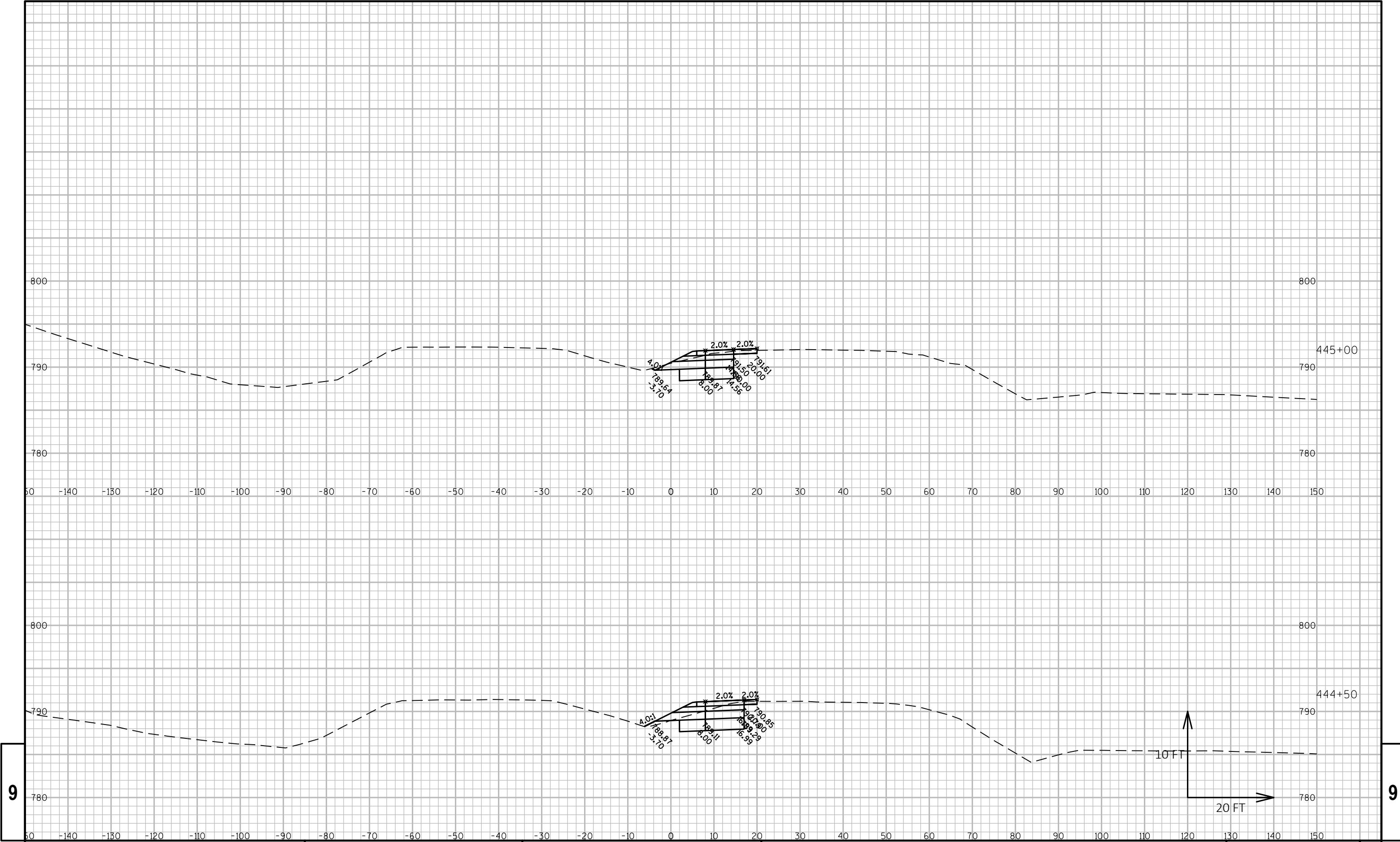
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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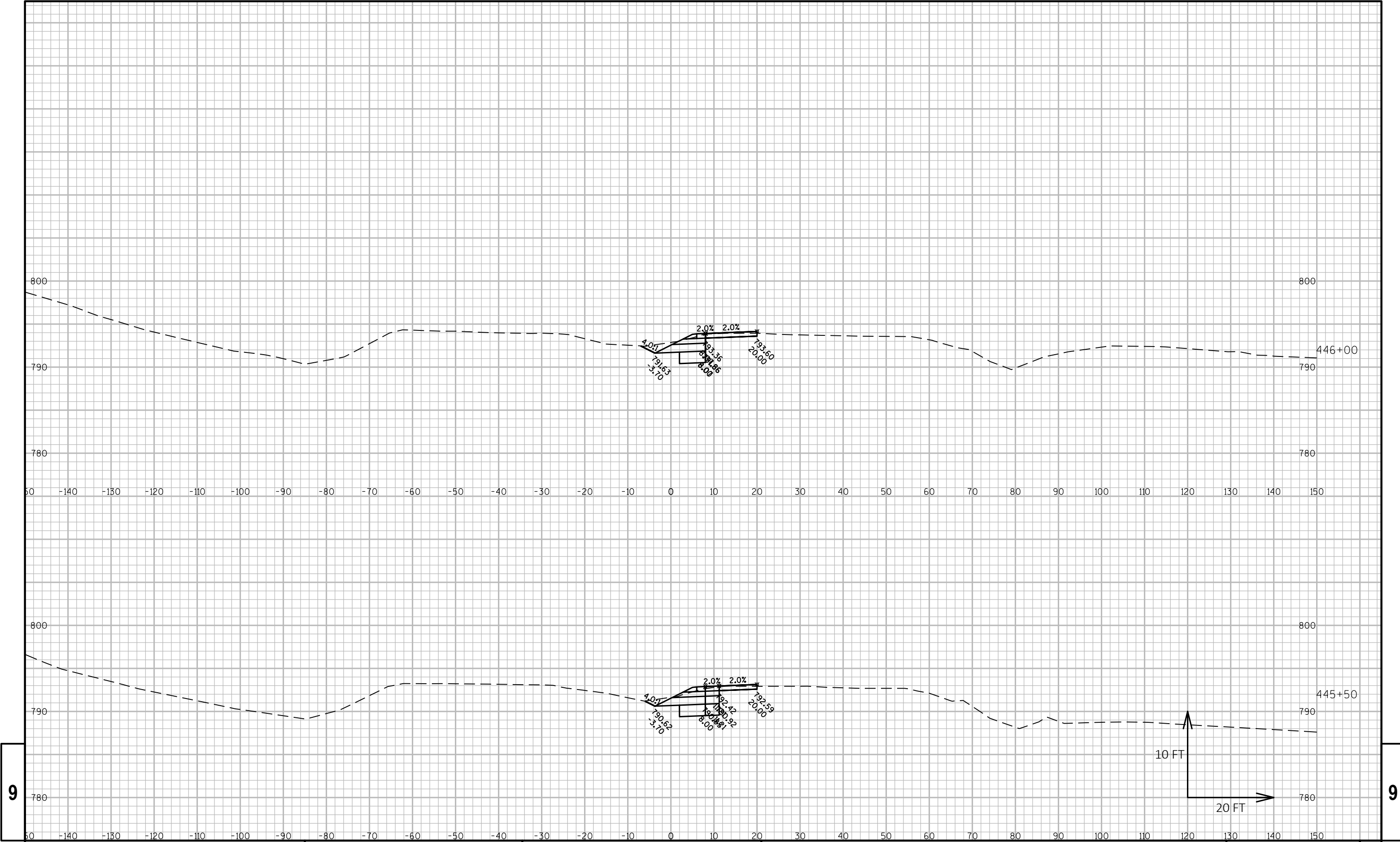
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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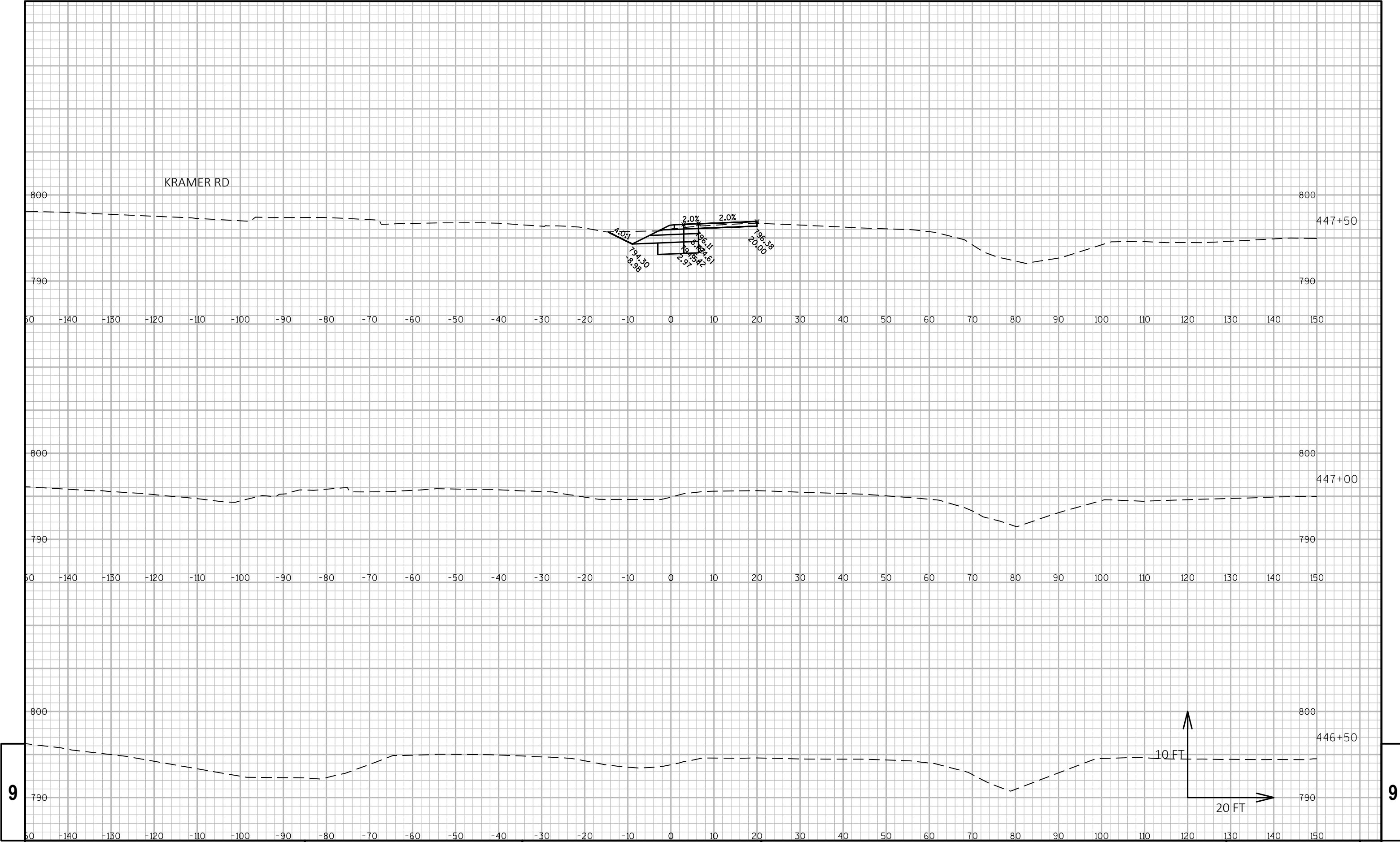
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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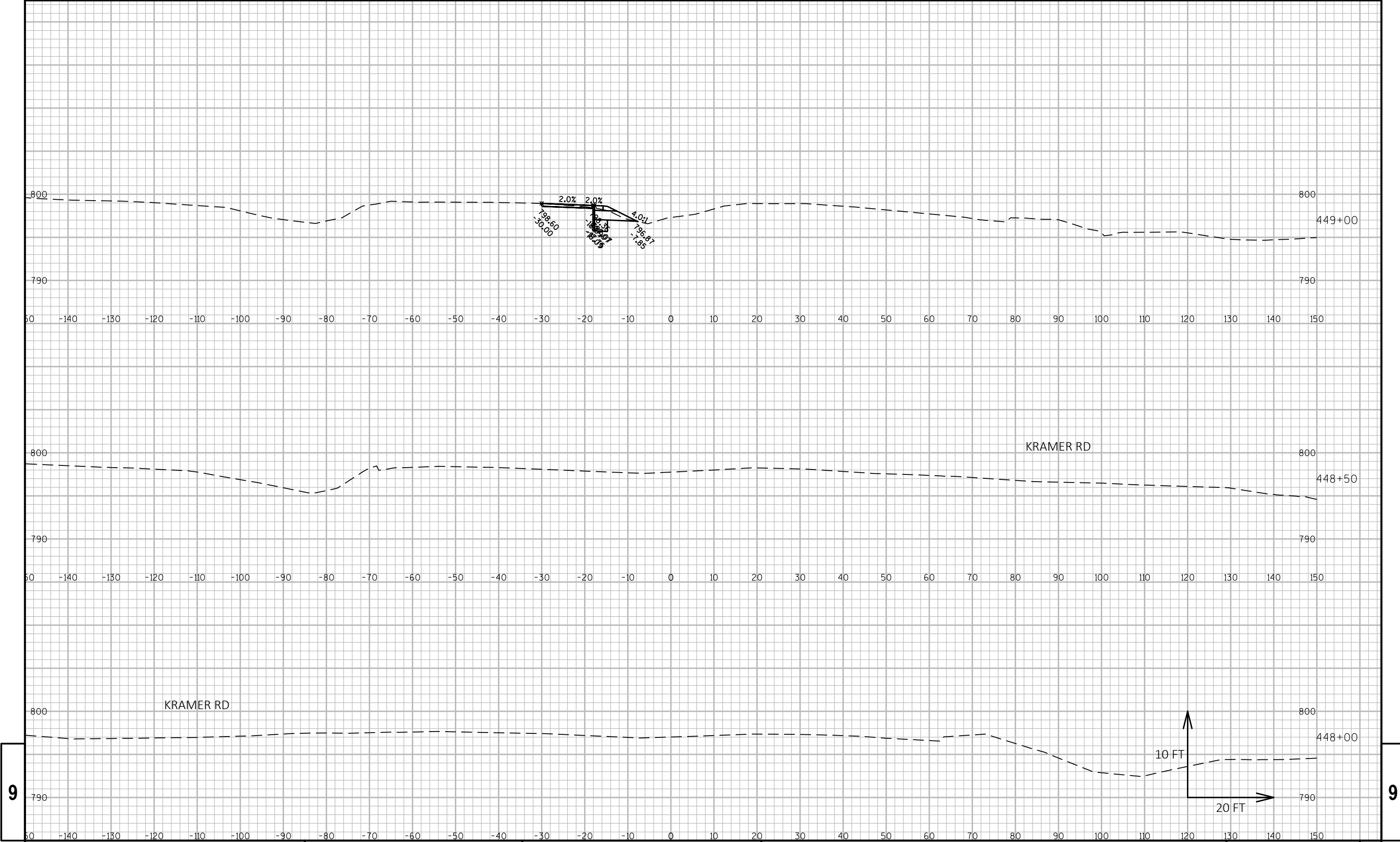


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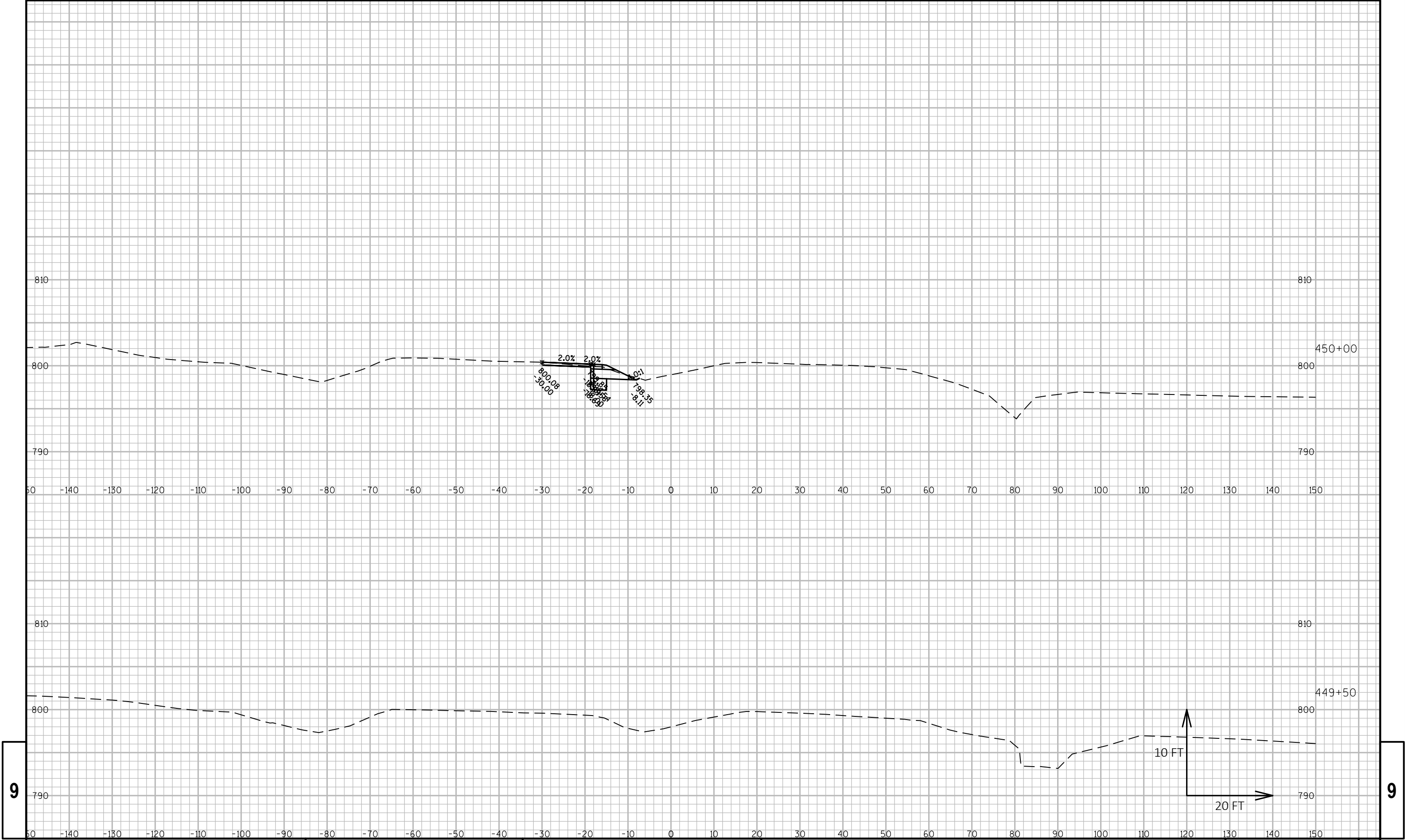
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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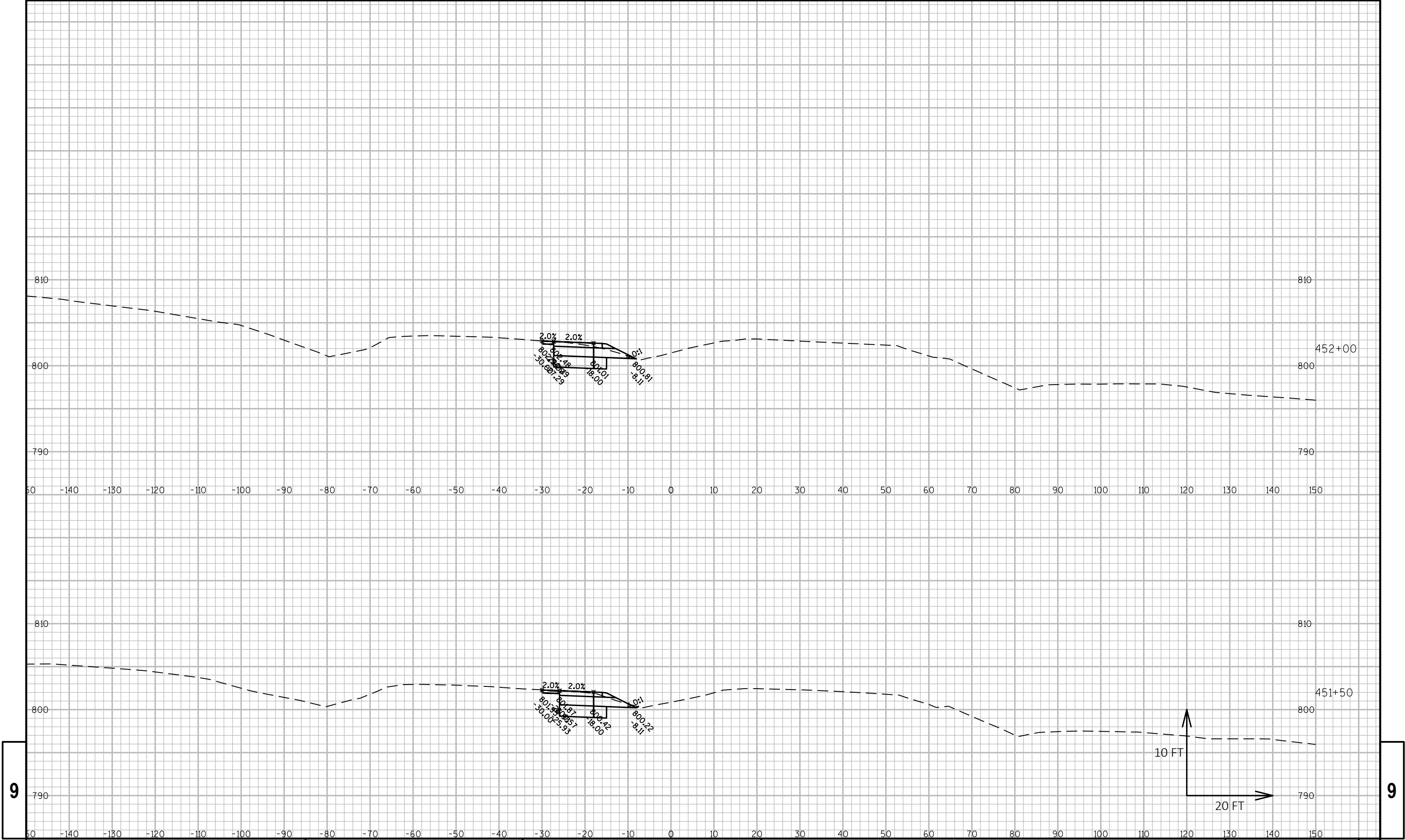
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

E

FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENT\CORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - STH 36 - (109)

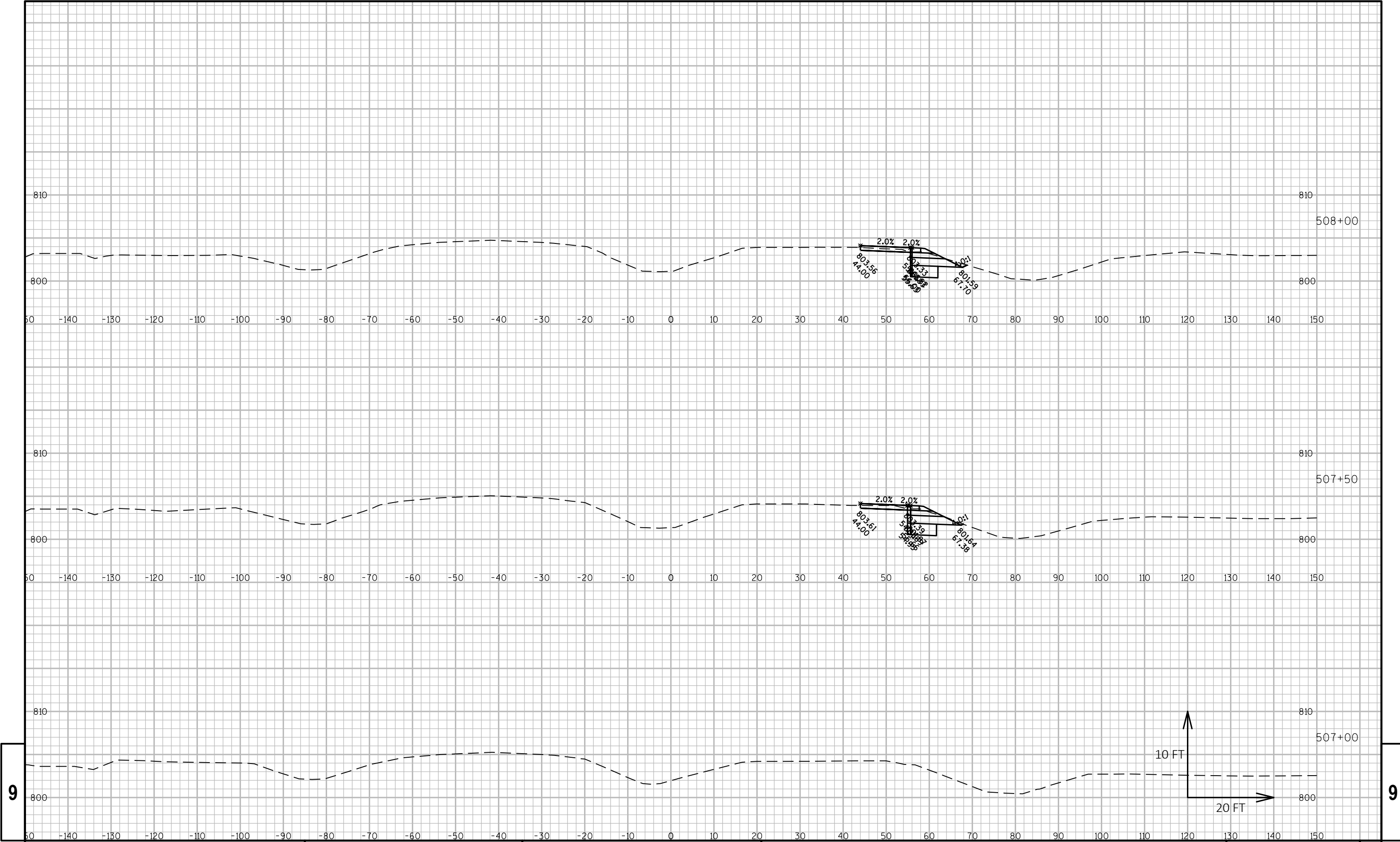
PLOT DATE : 7/9/2018 9:57 AM

PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

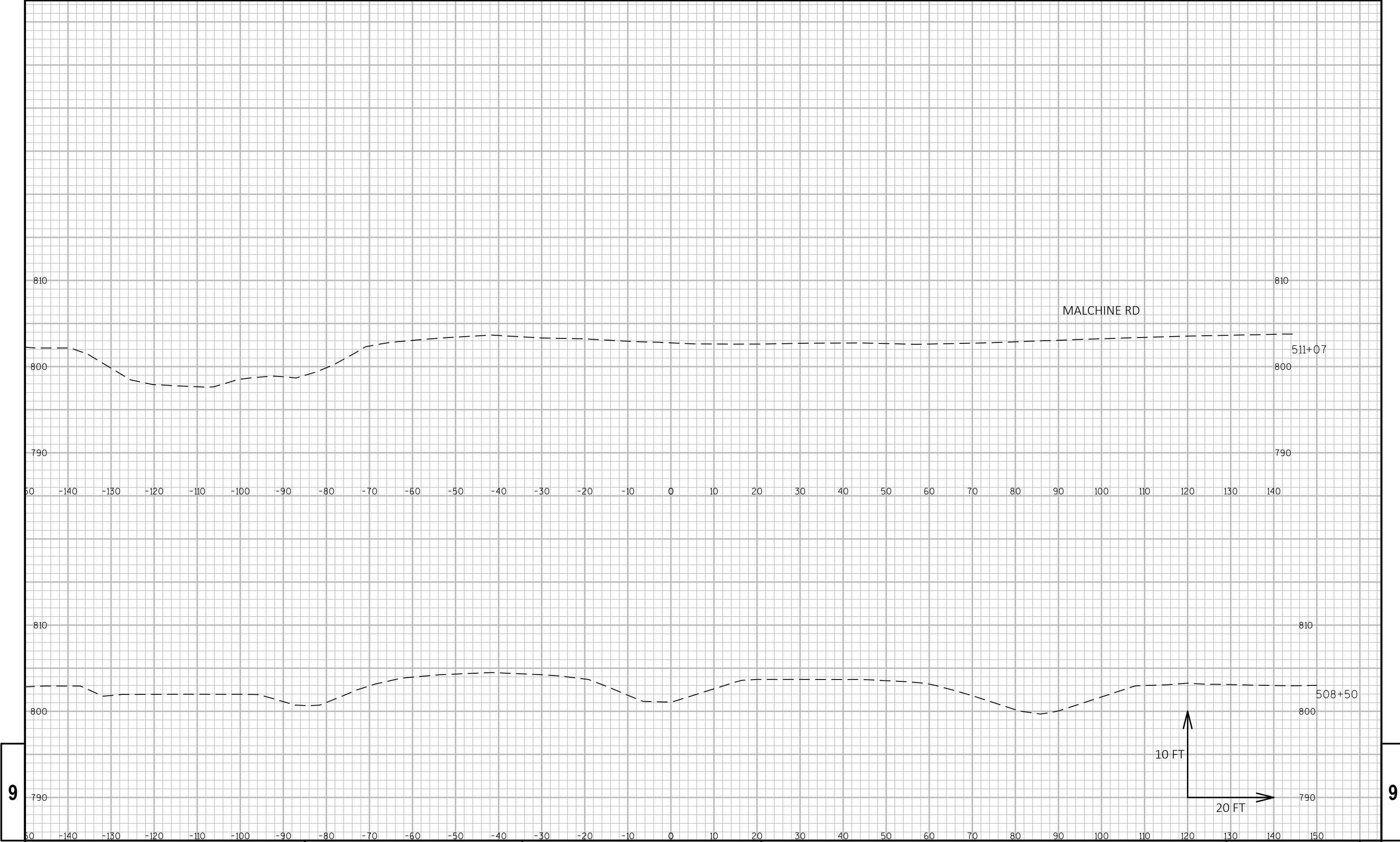
PRE_176
WISDOT/CADDs SHEET 49



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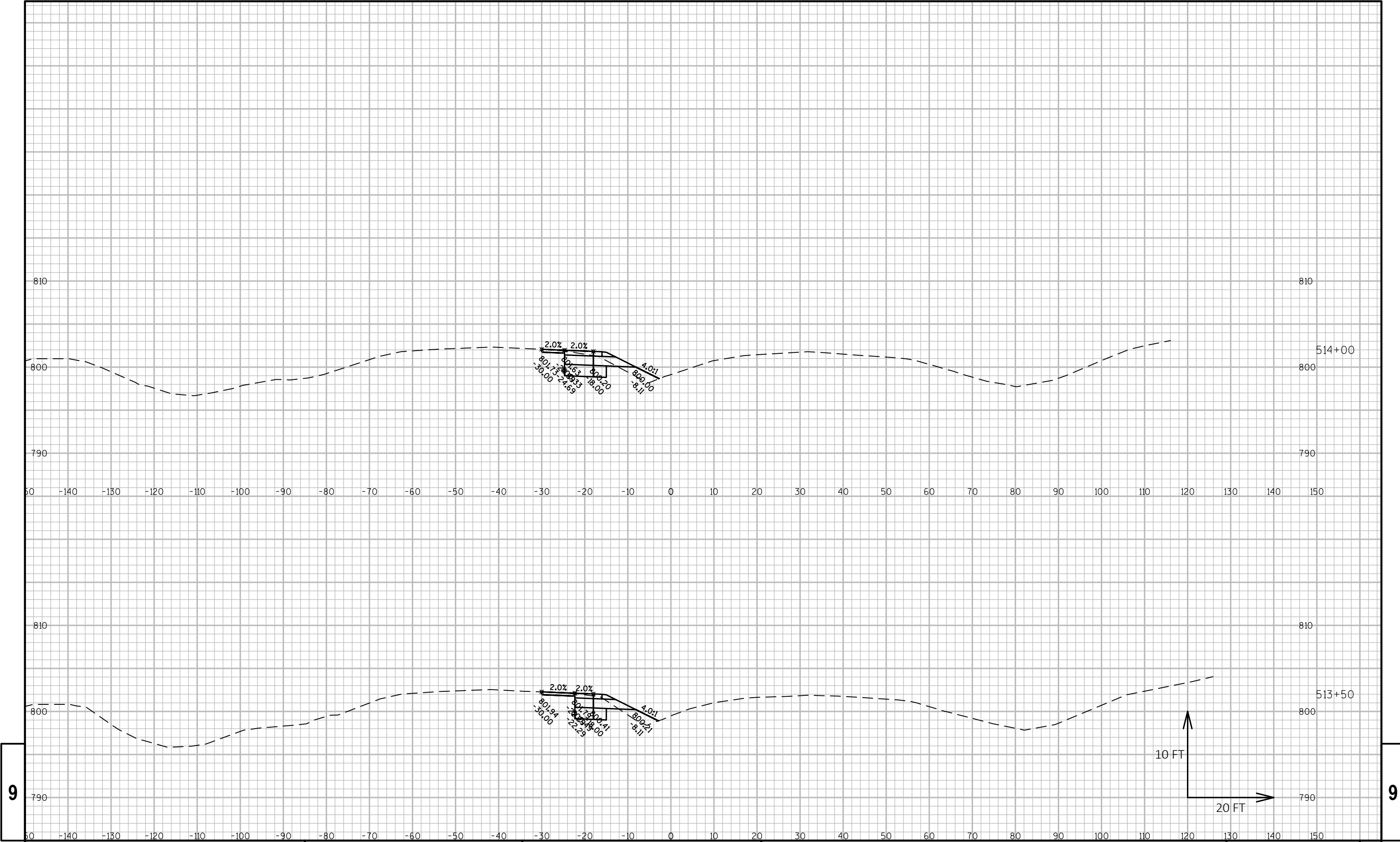
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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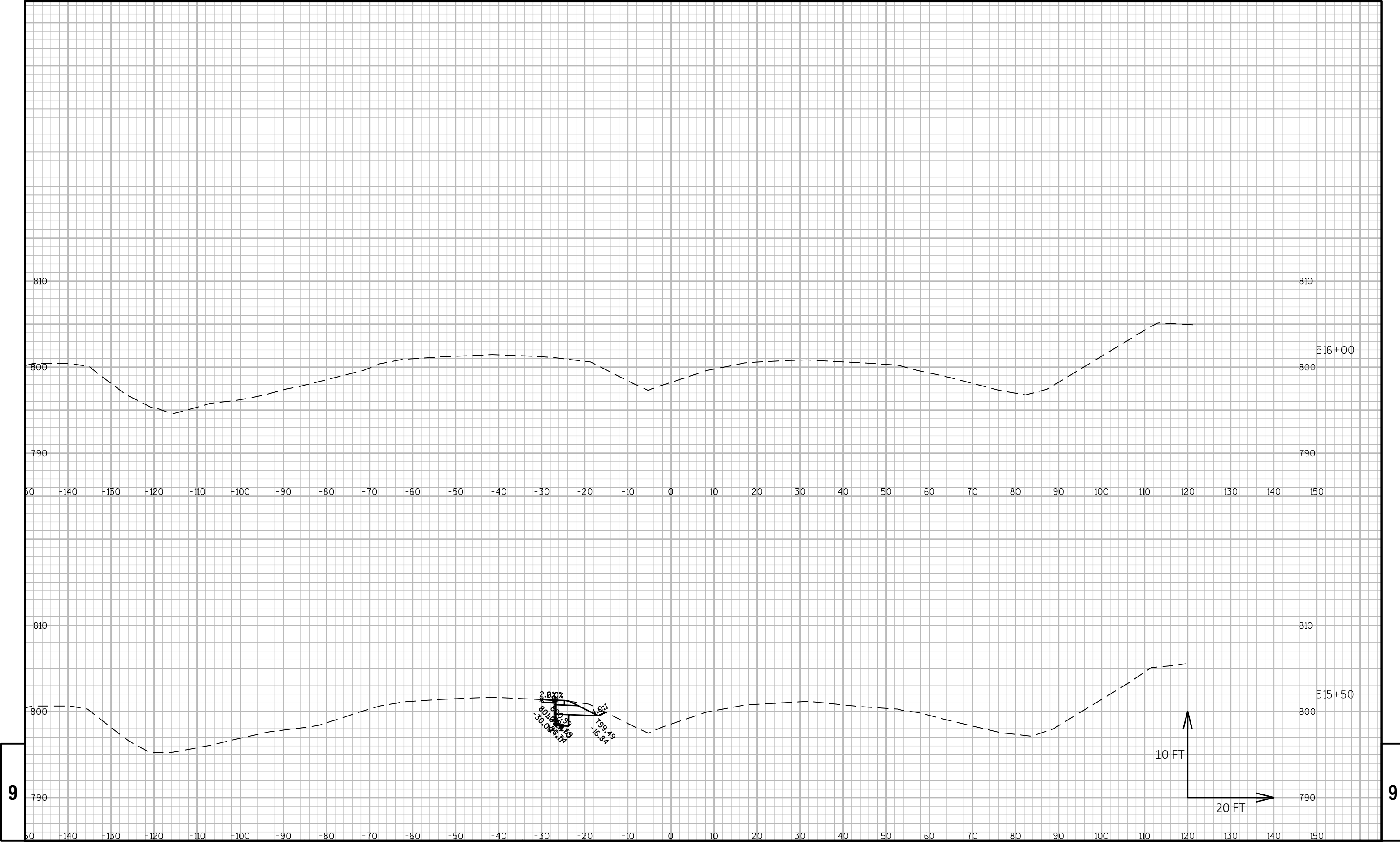
PROJECT NO: 2240-00-77				HWY: STH 36				COUNTY: RACINE				CROSS SECTIONS:				SHEET				E
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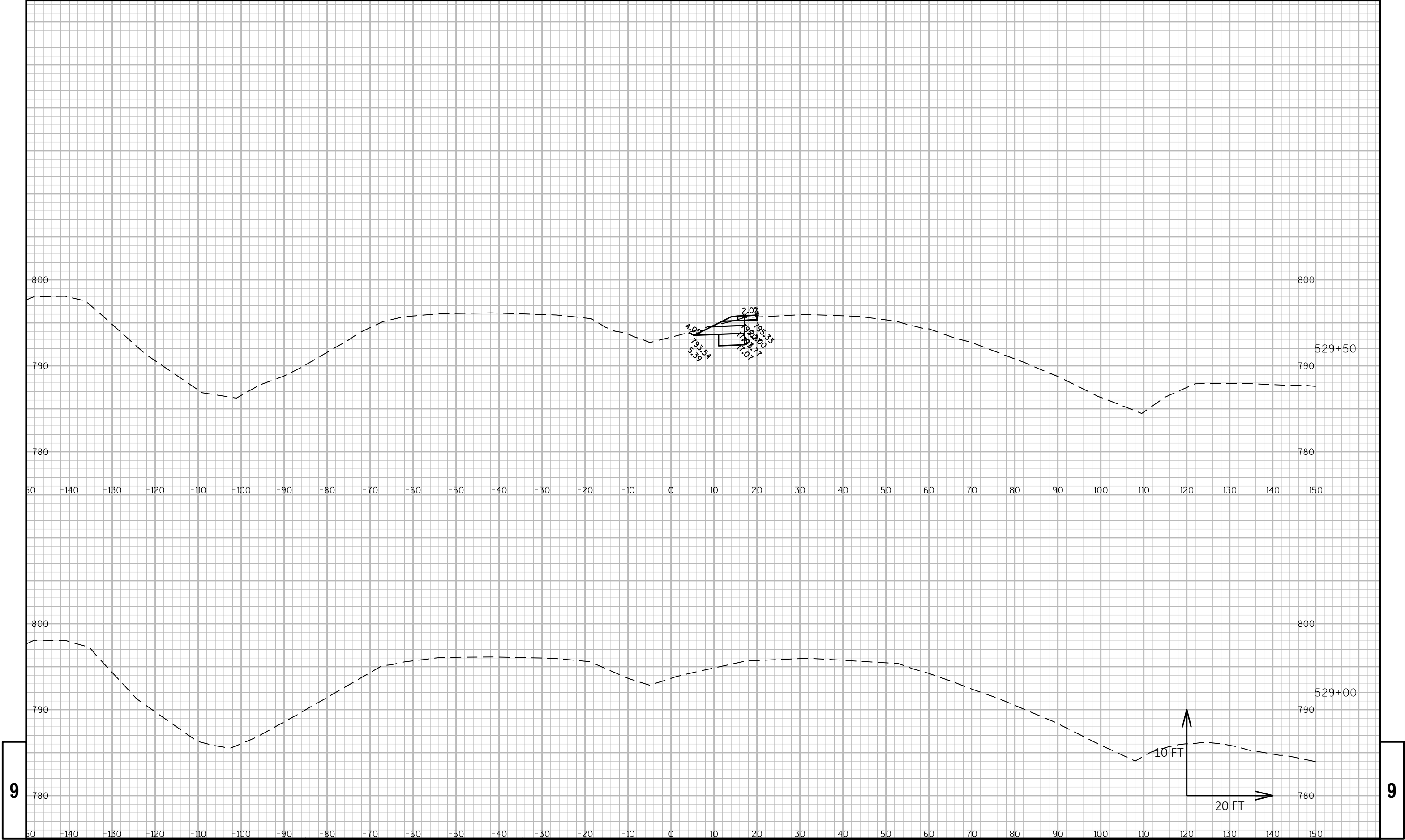
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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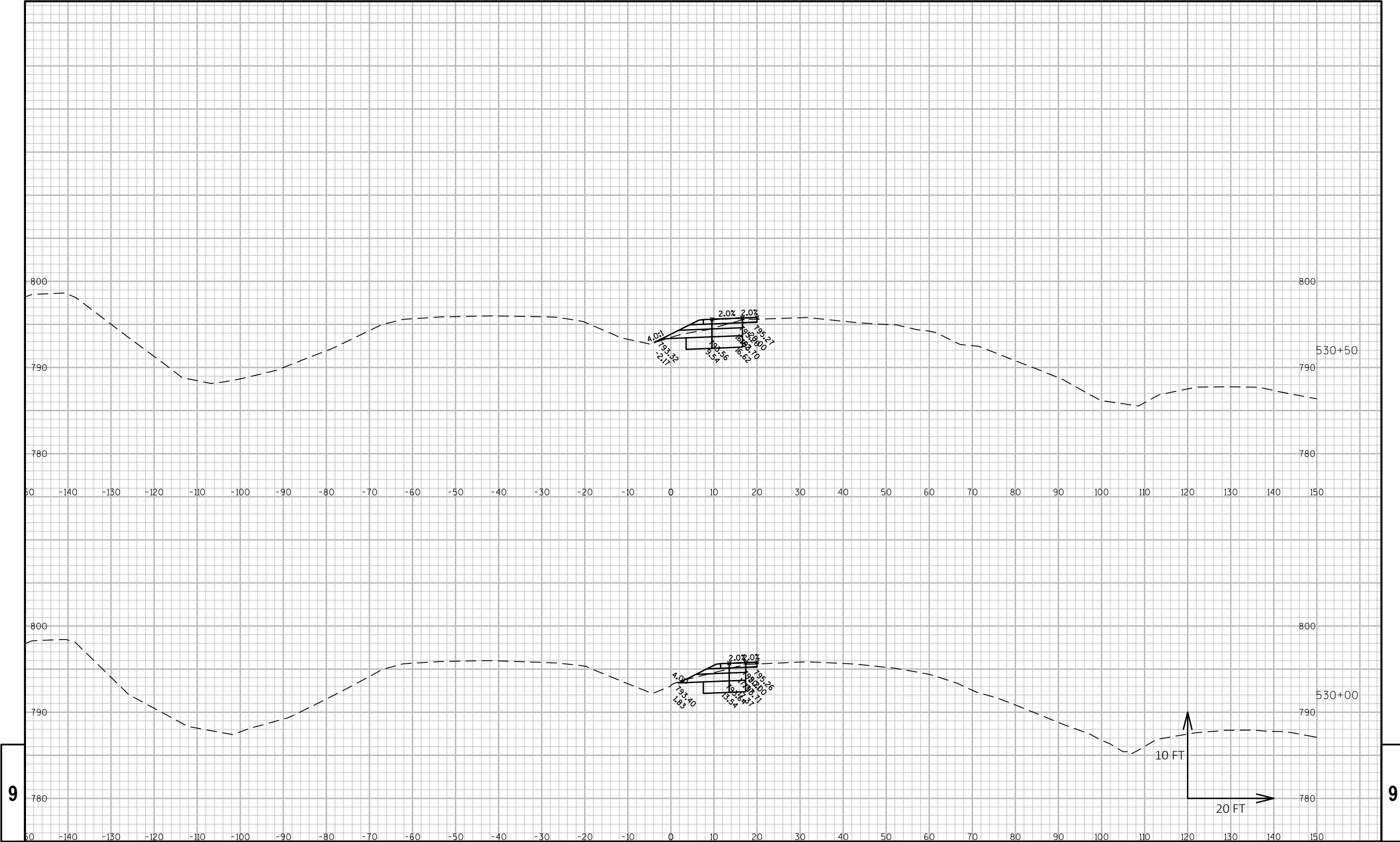
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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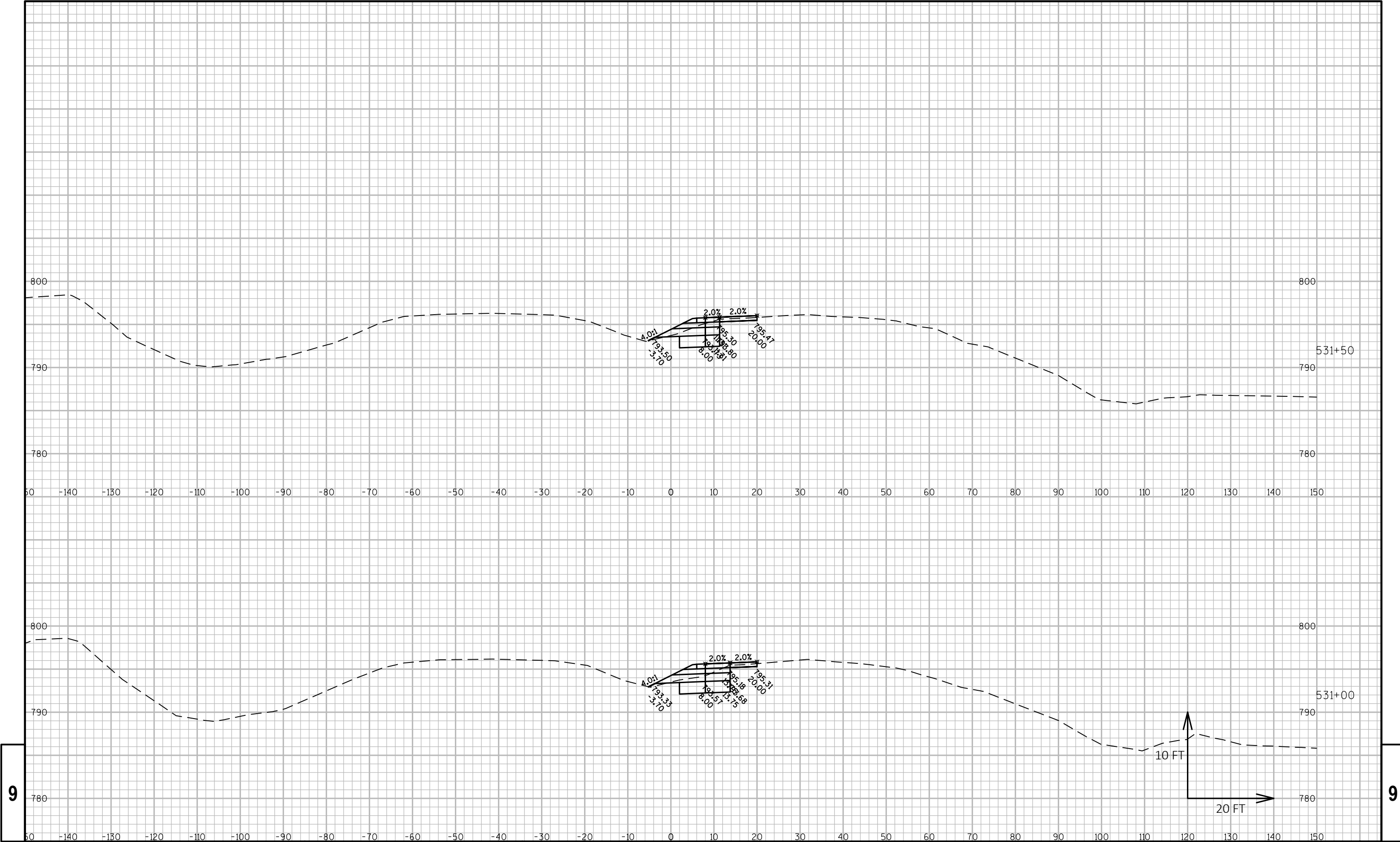
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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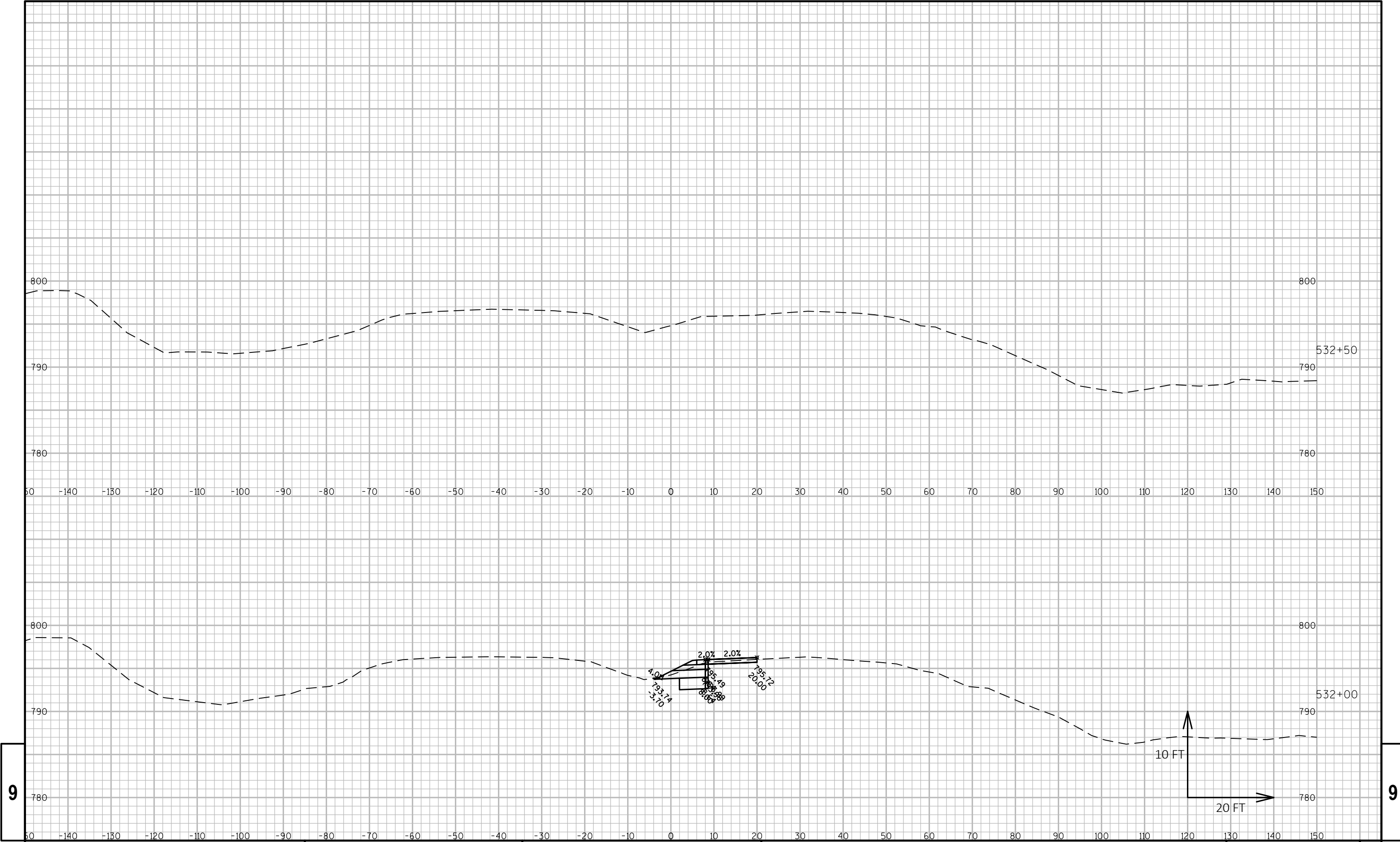
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

E

FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENT\CORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - STH 36 - (121)

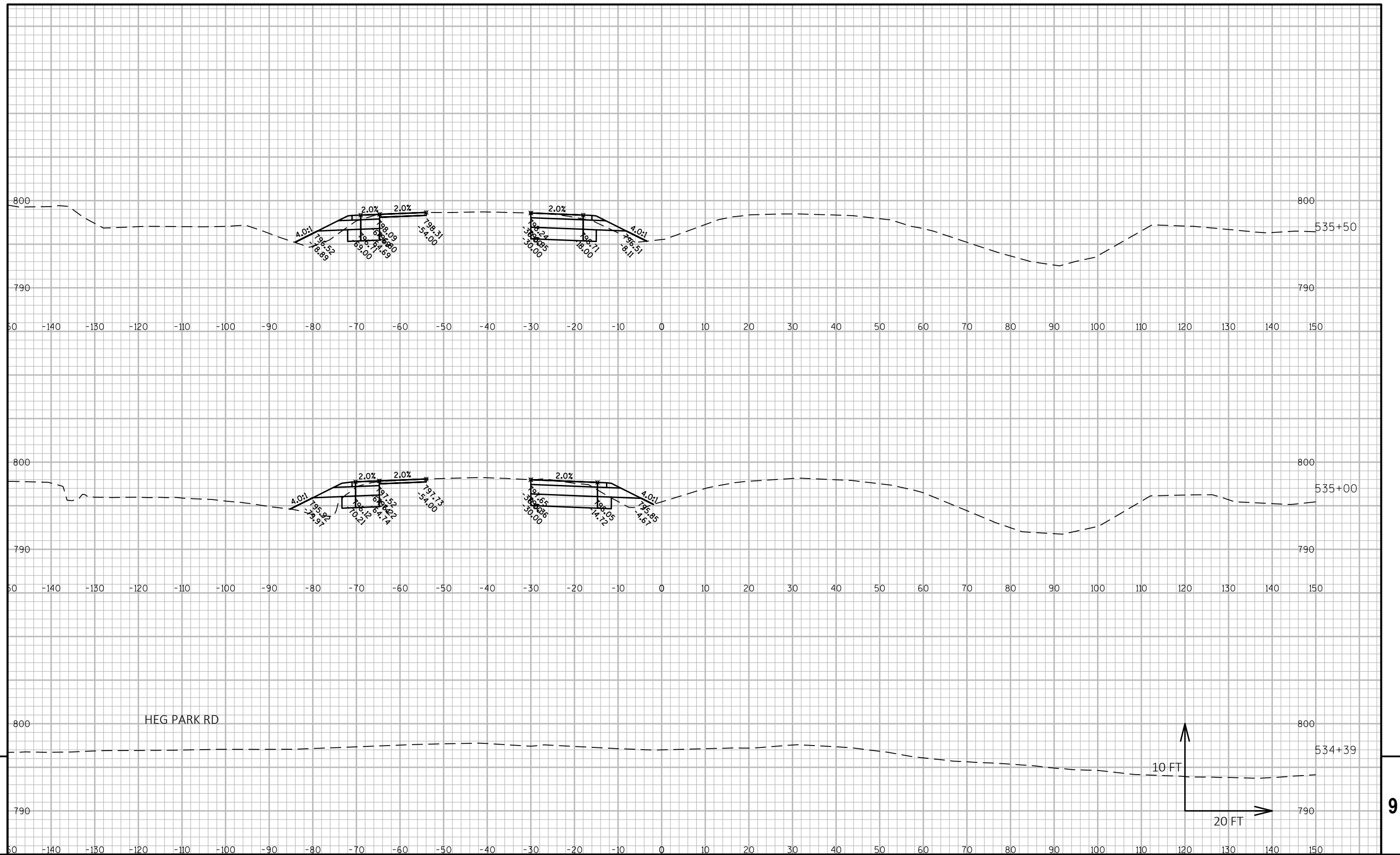
PLOT DATE : 7/9/2018 10:01 AM

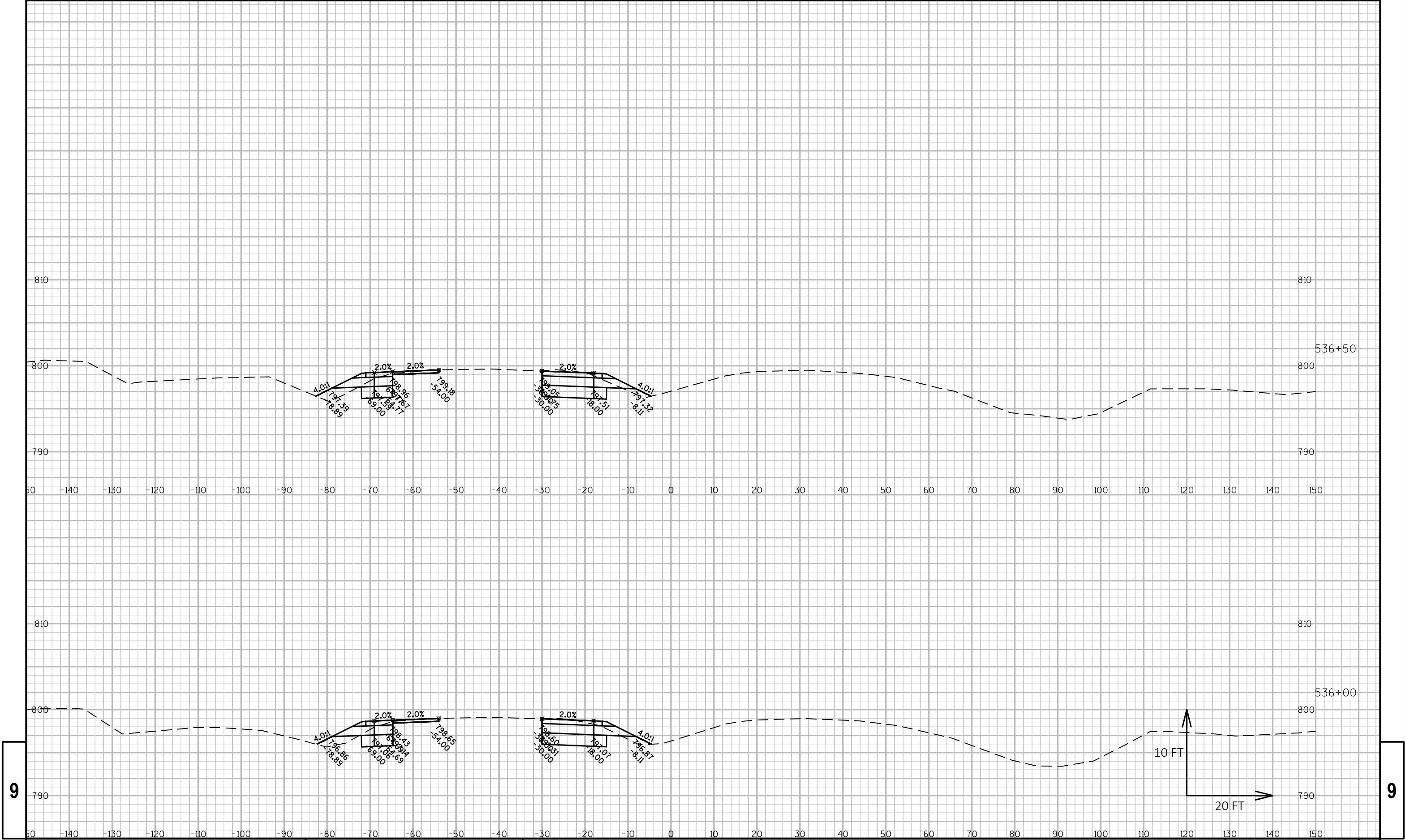
PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

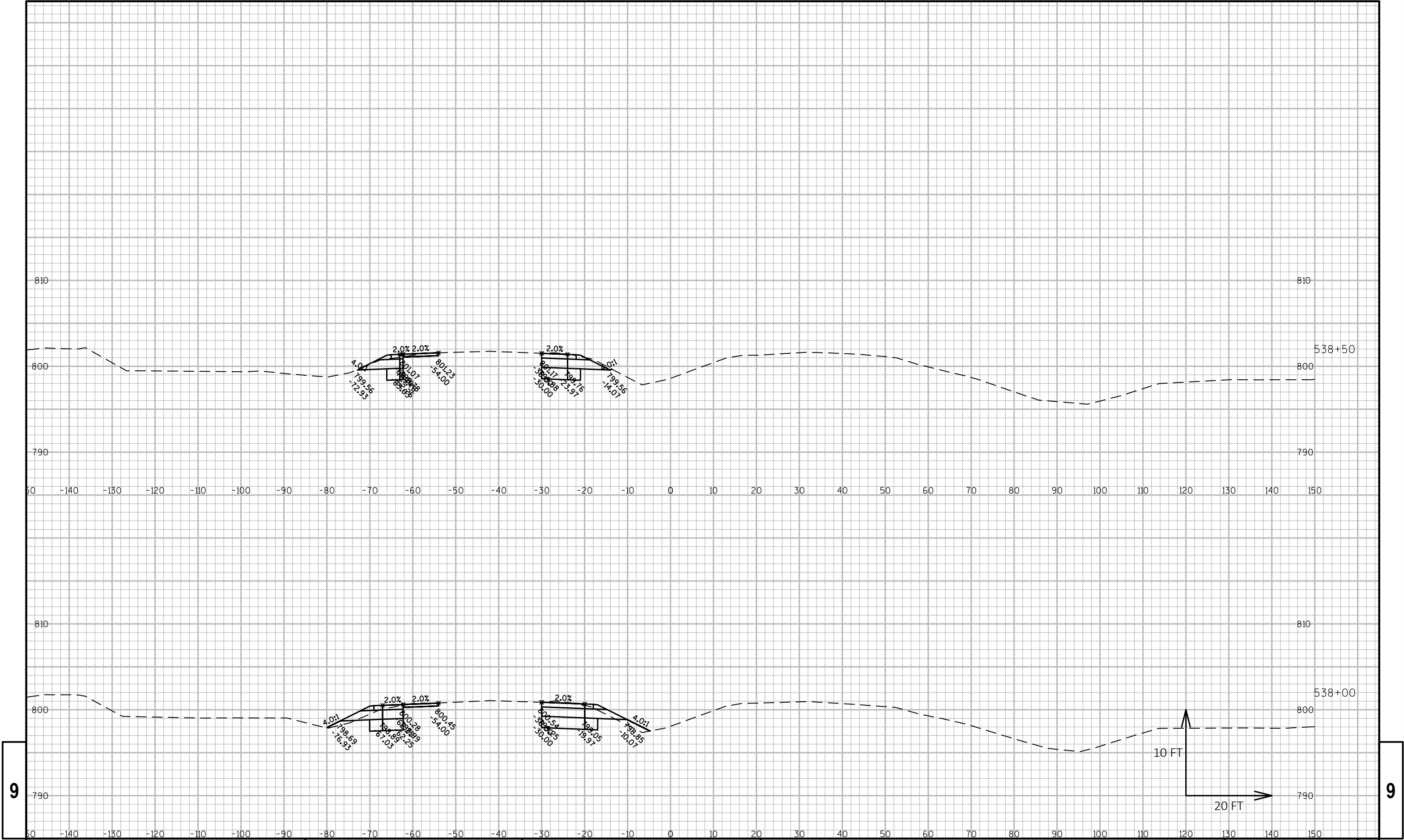
PRE_188
WISDOT/CADD5 SHEET 49





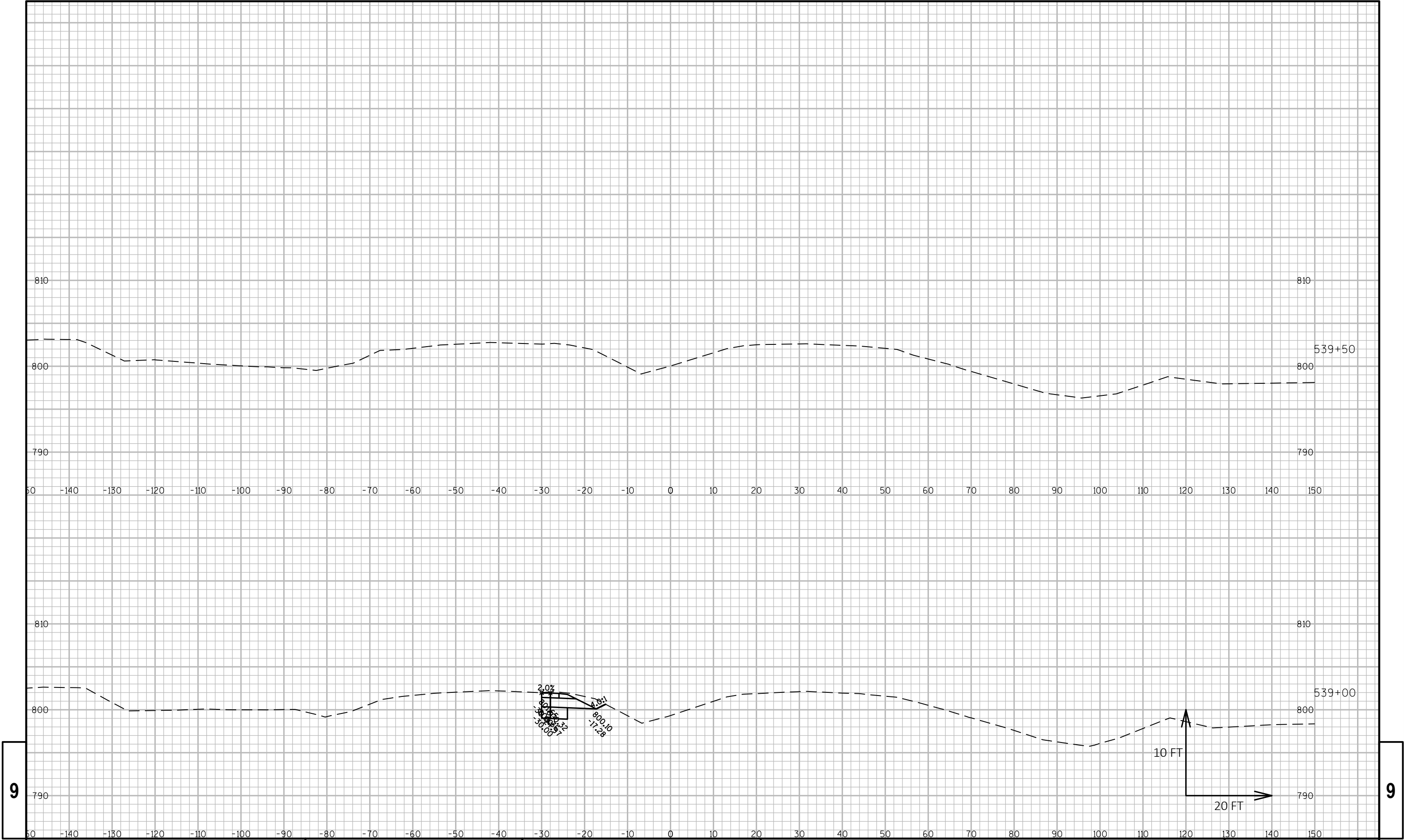
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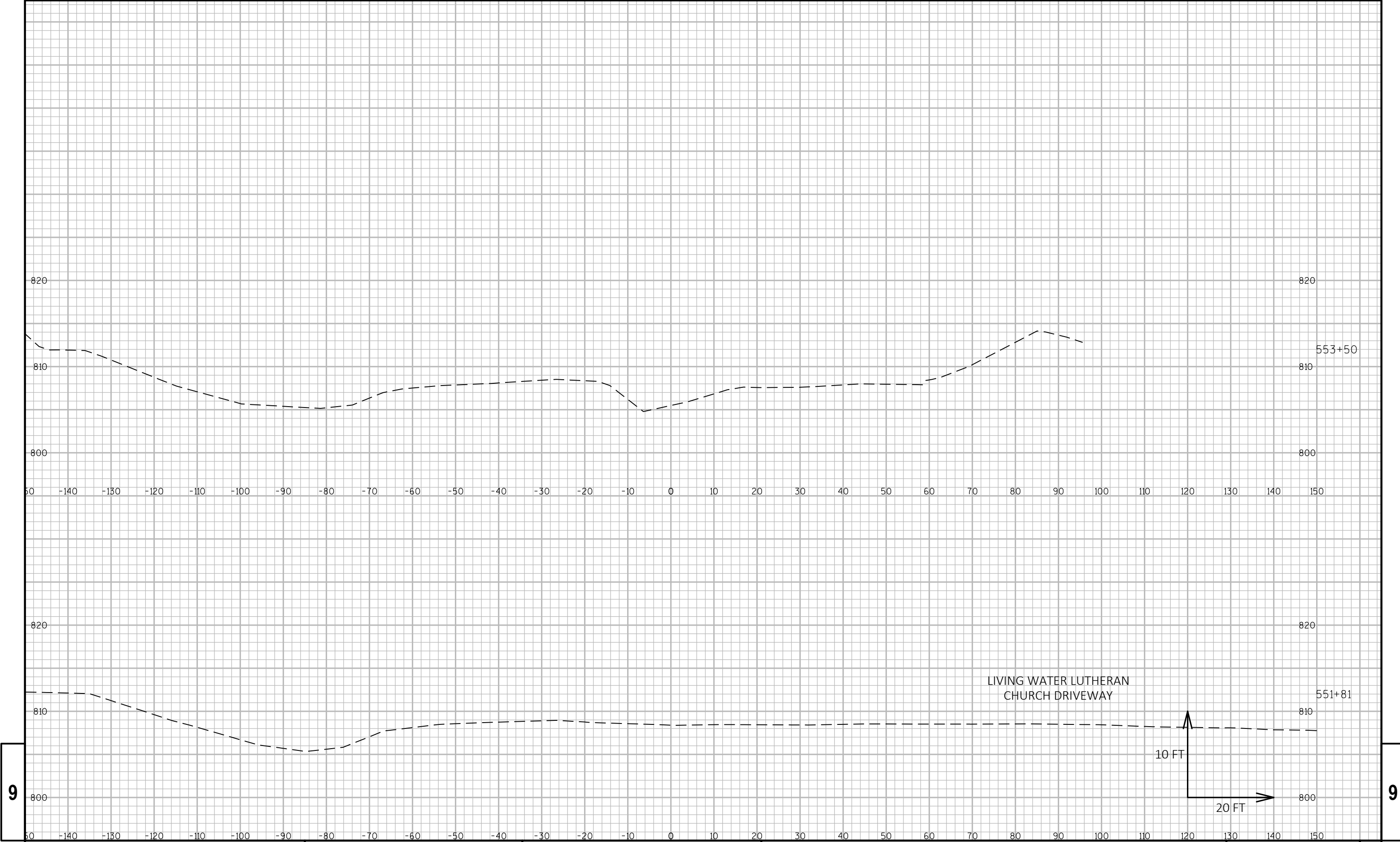
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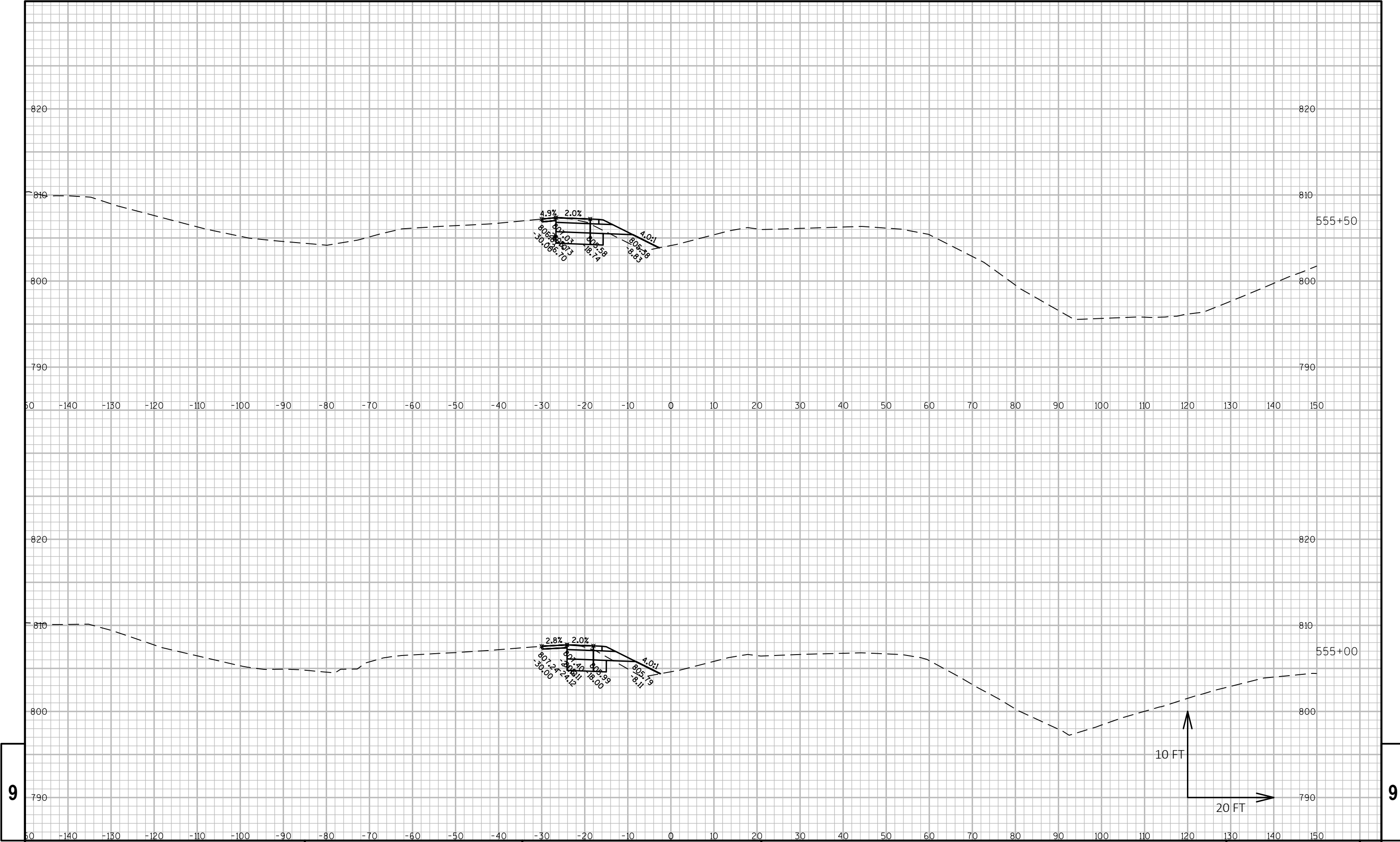
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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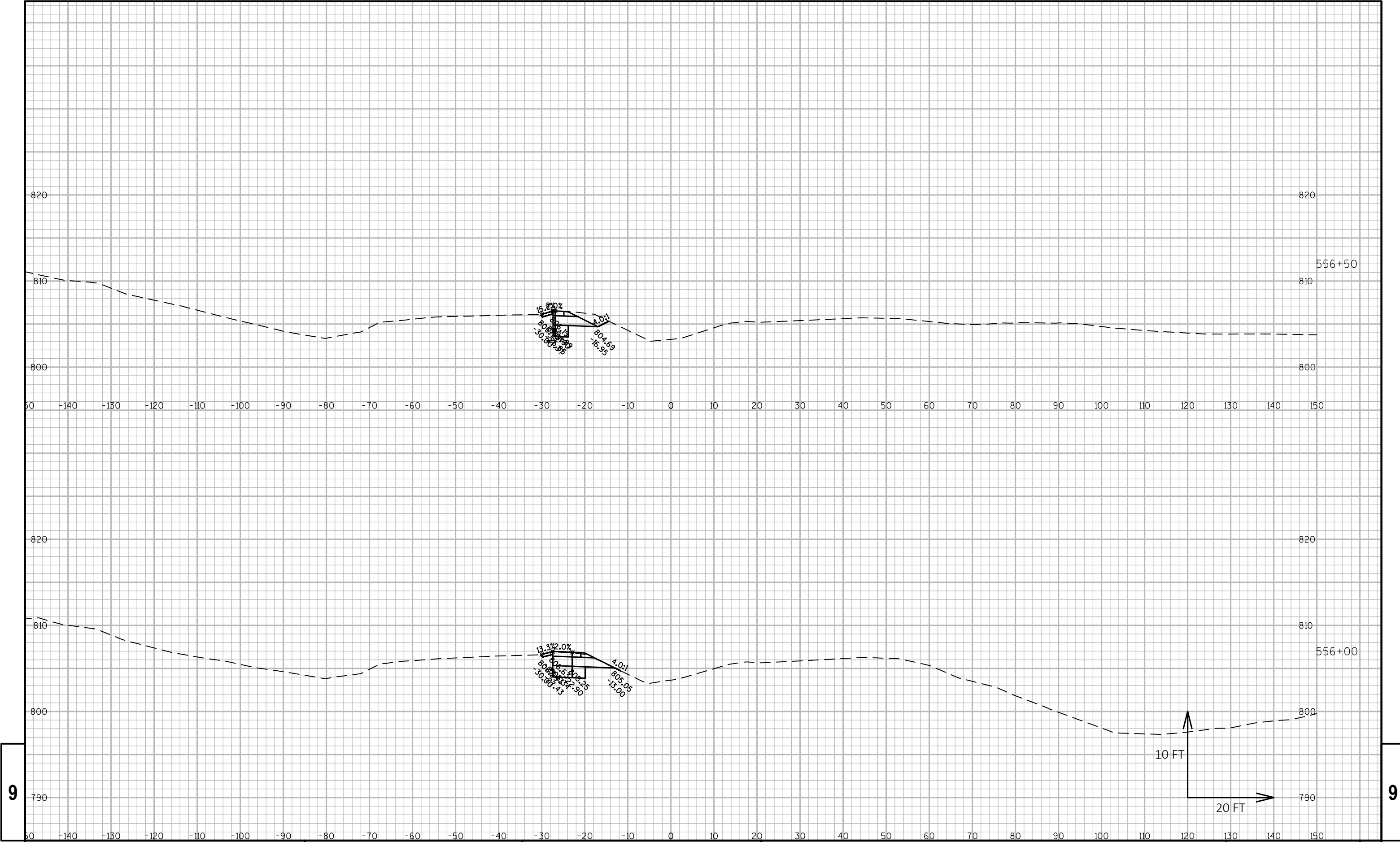
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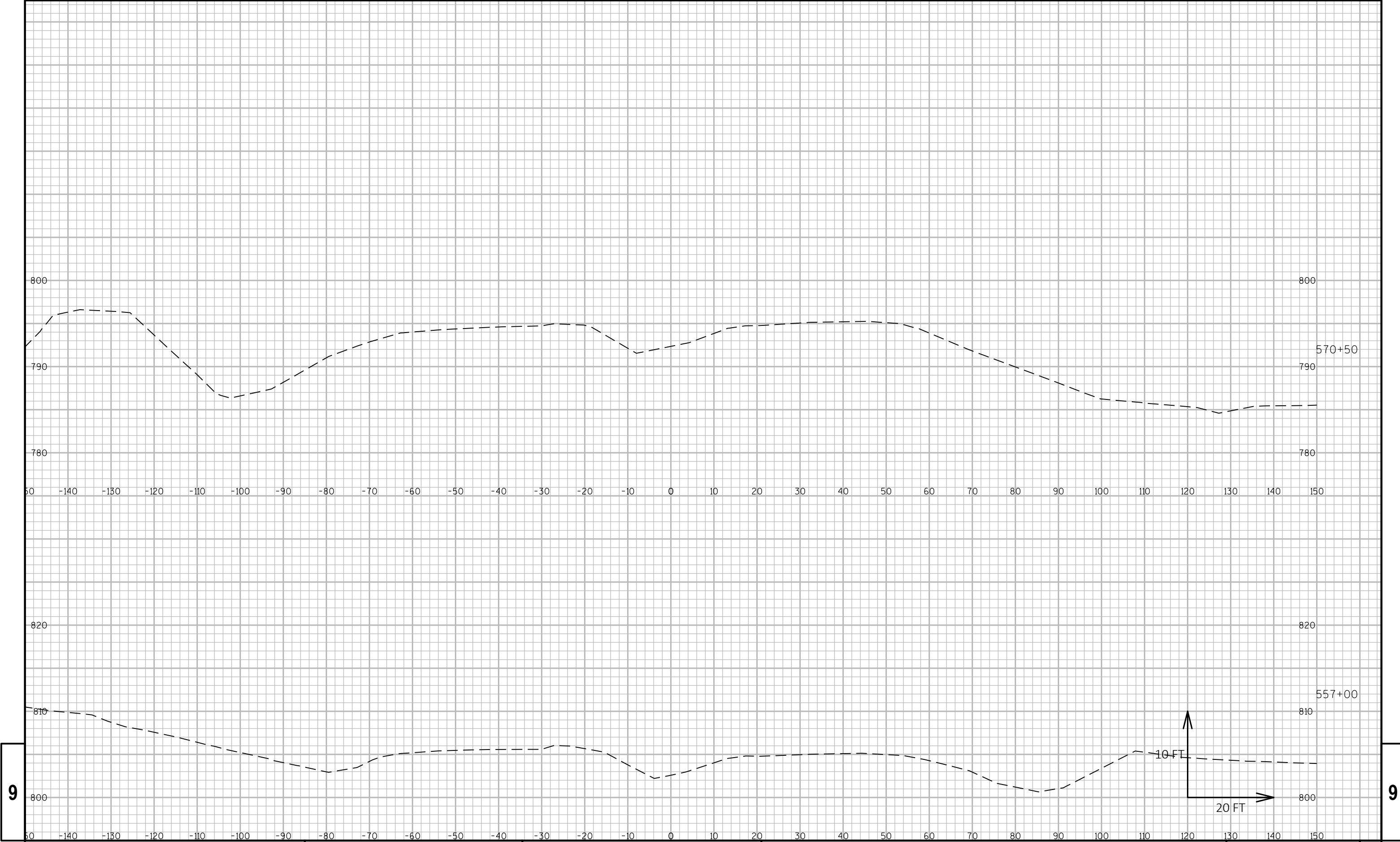
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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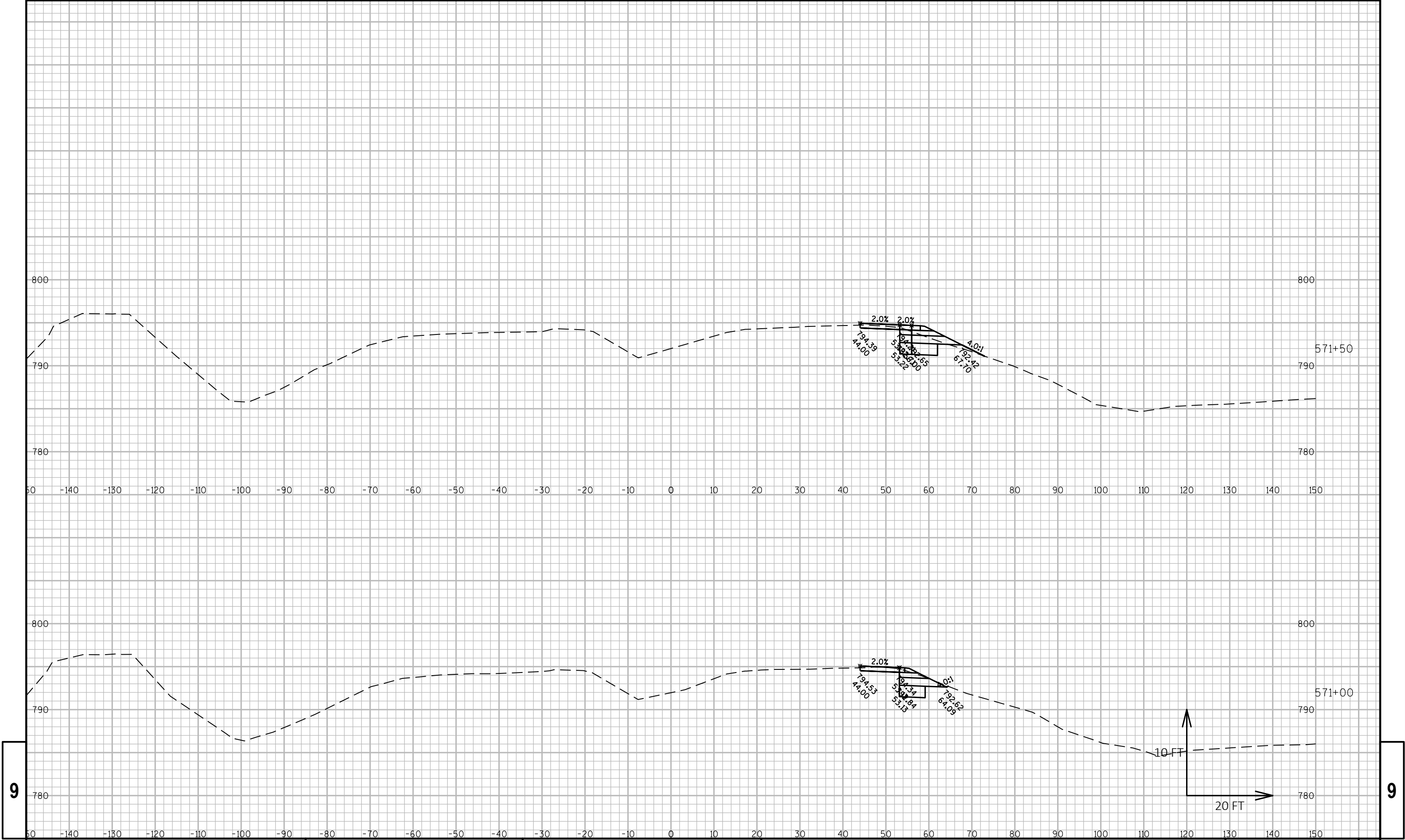
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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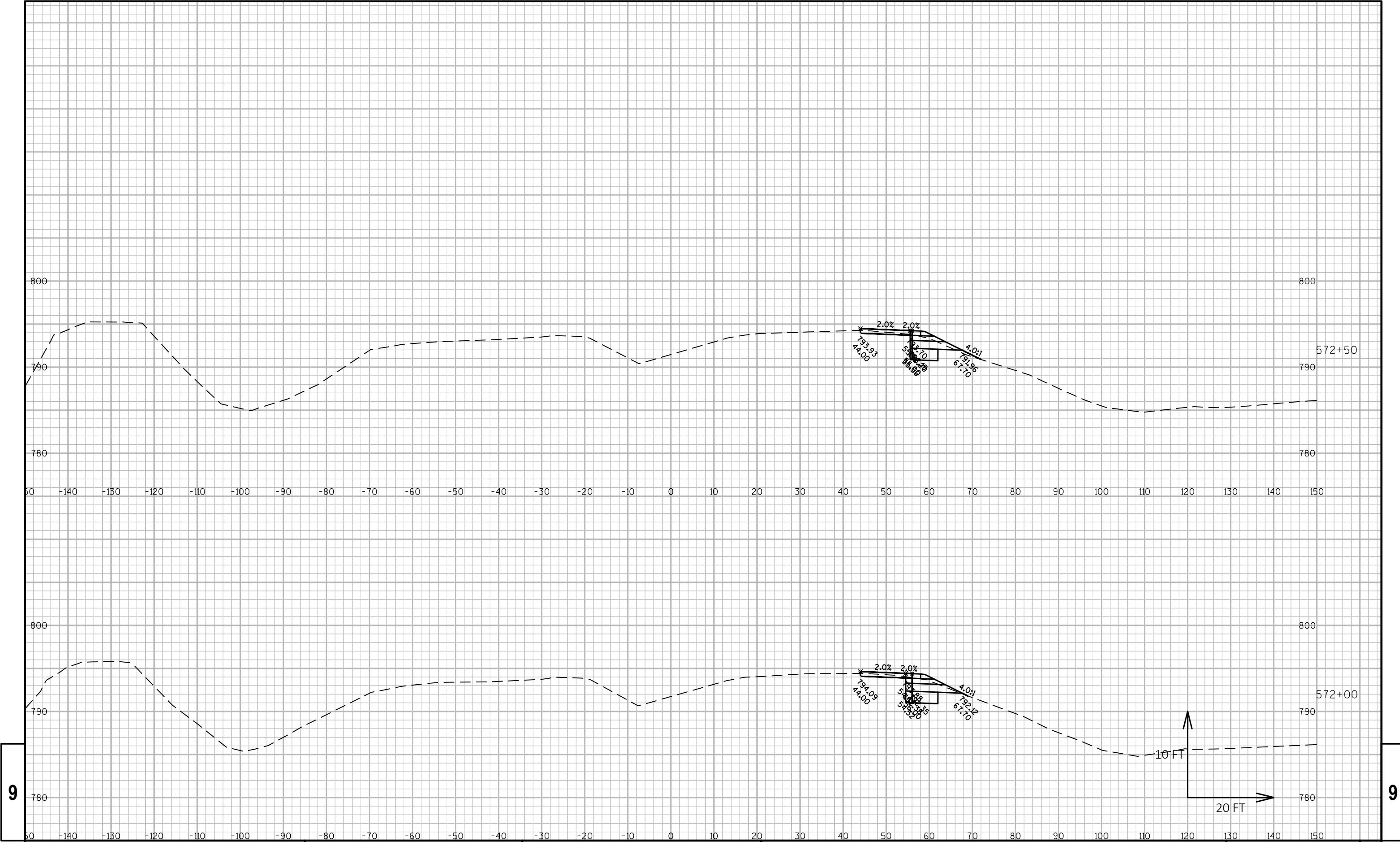
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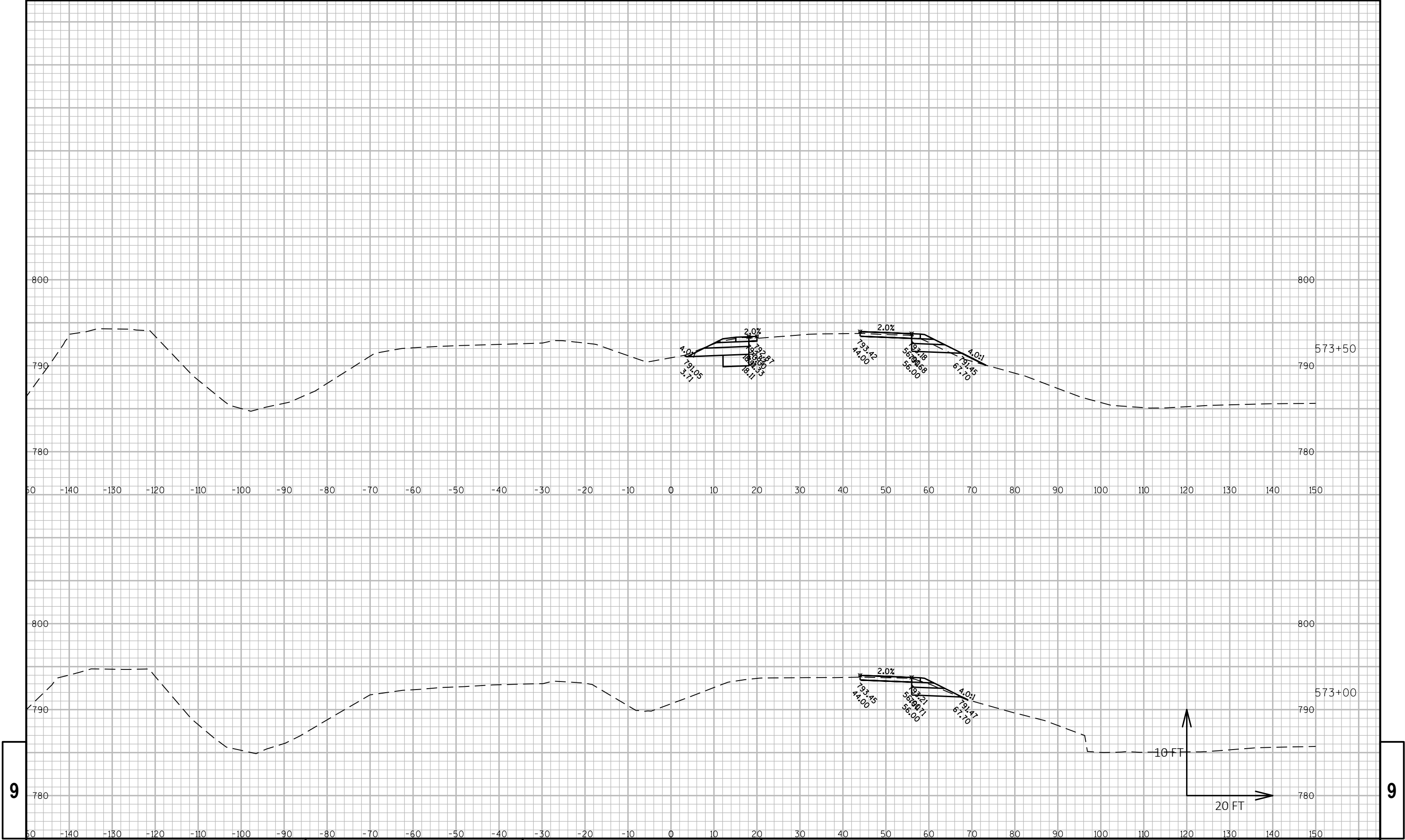
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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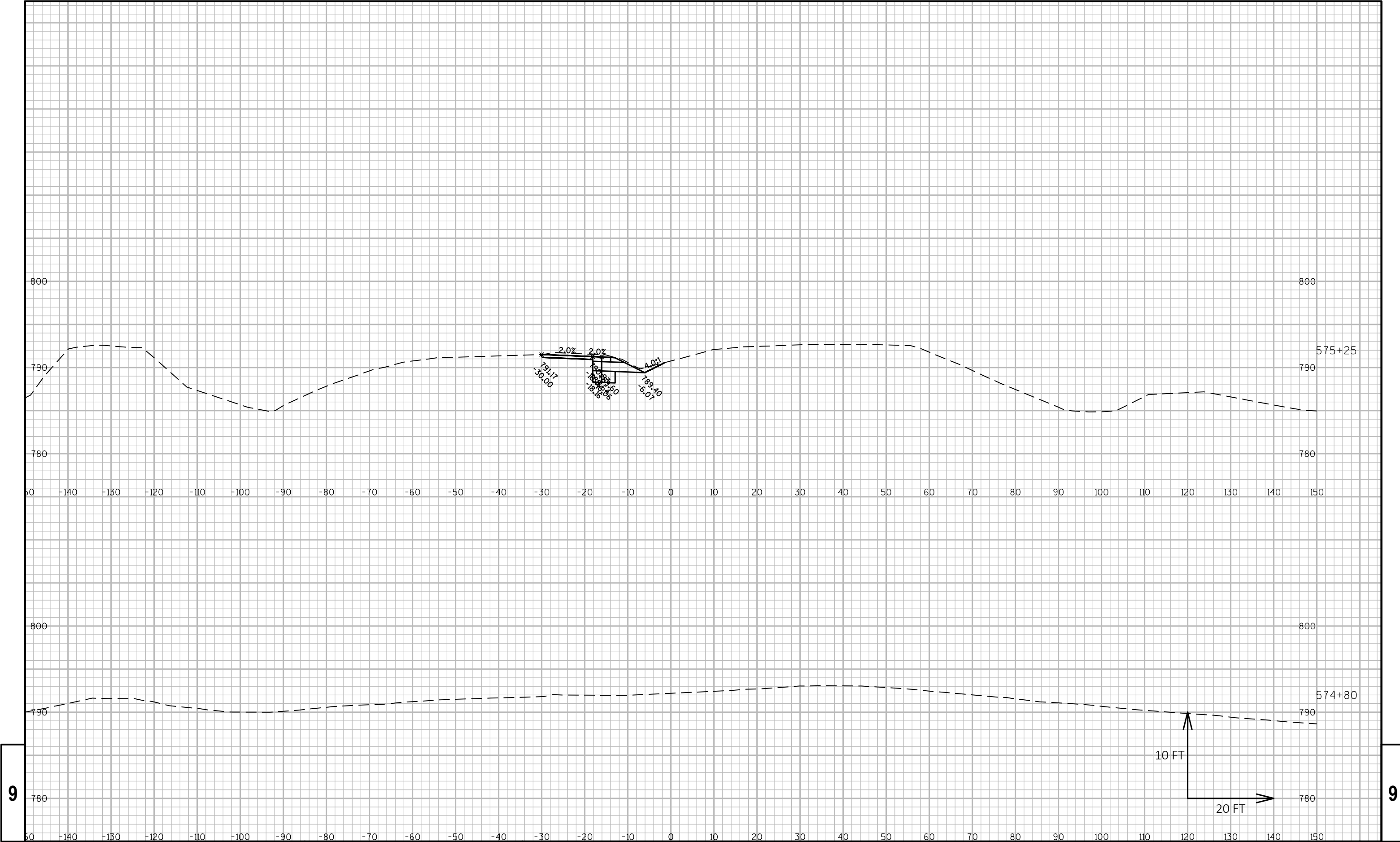
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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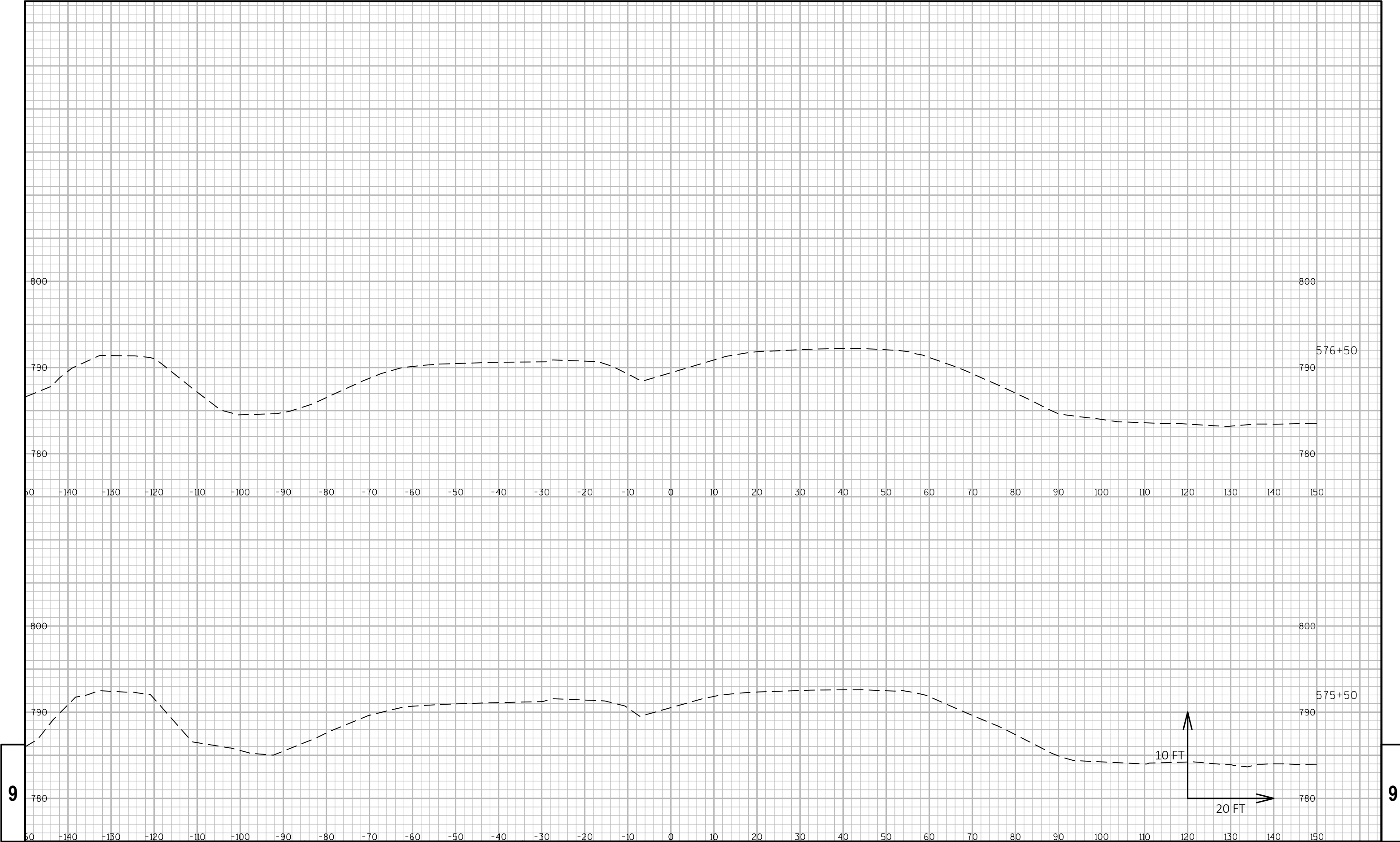
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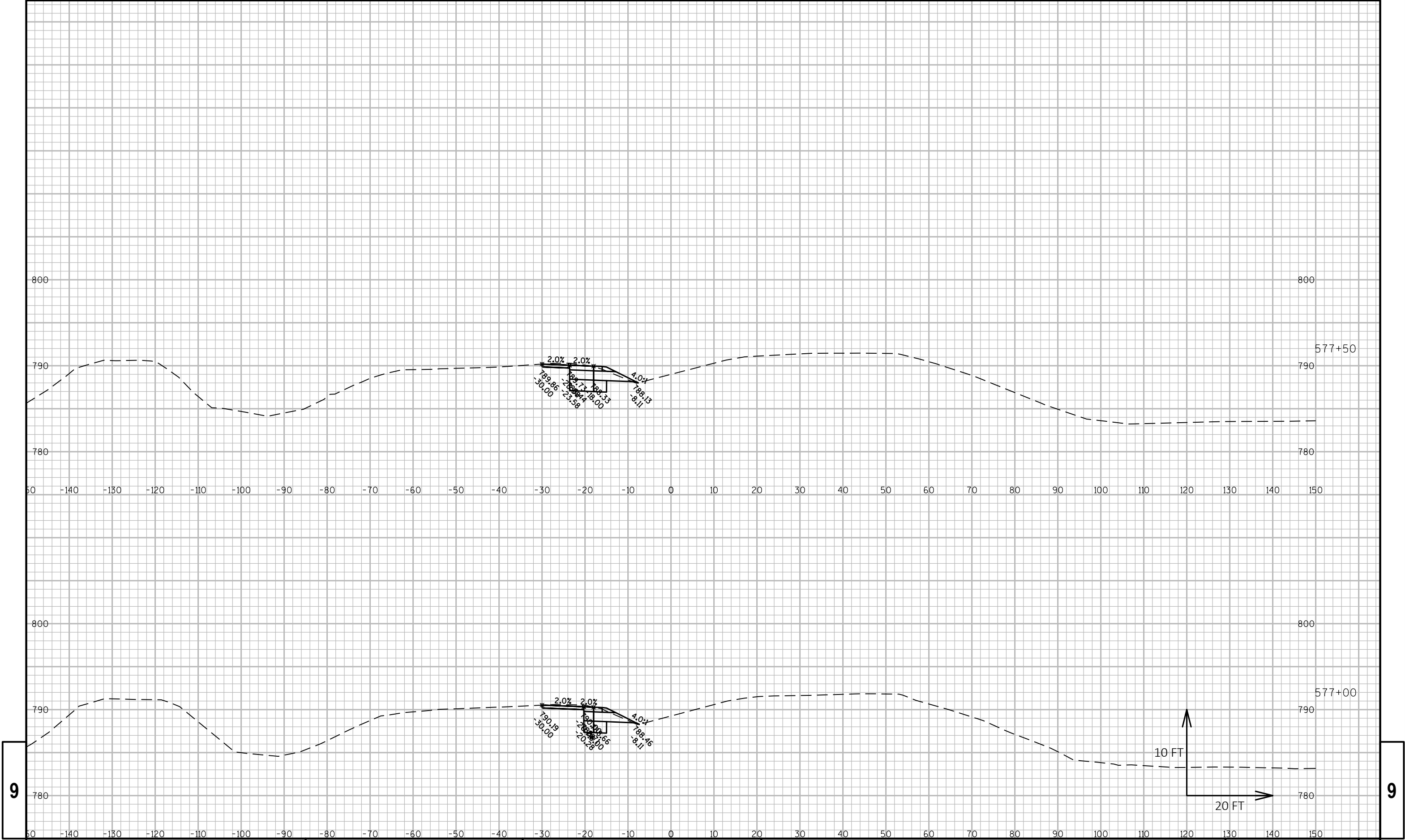
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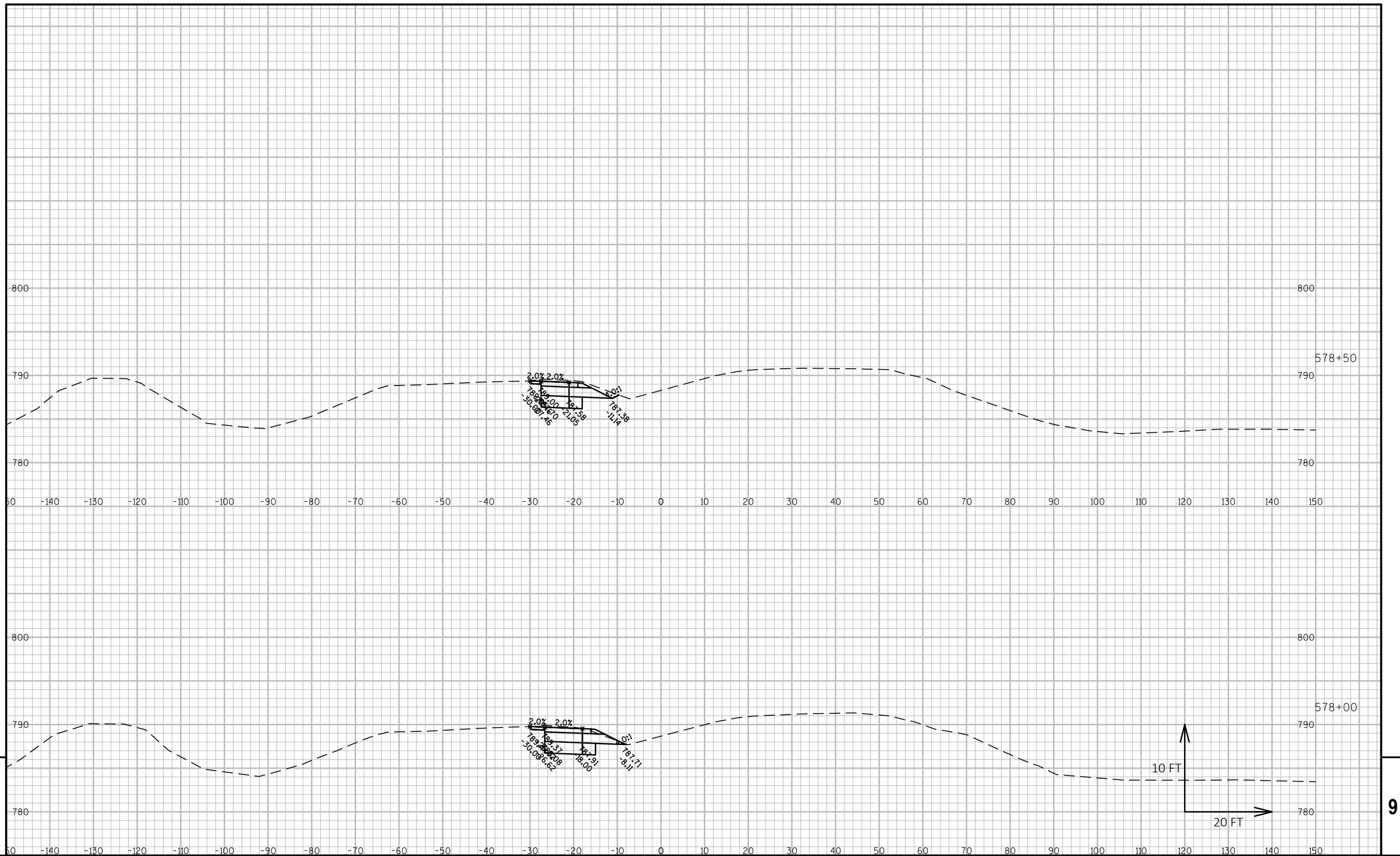
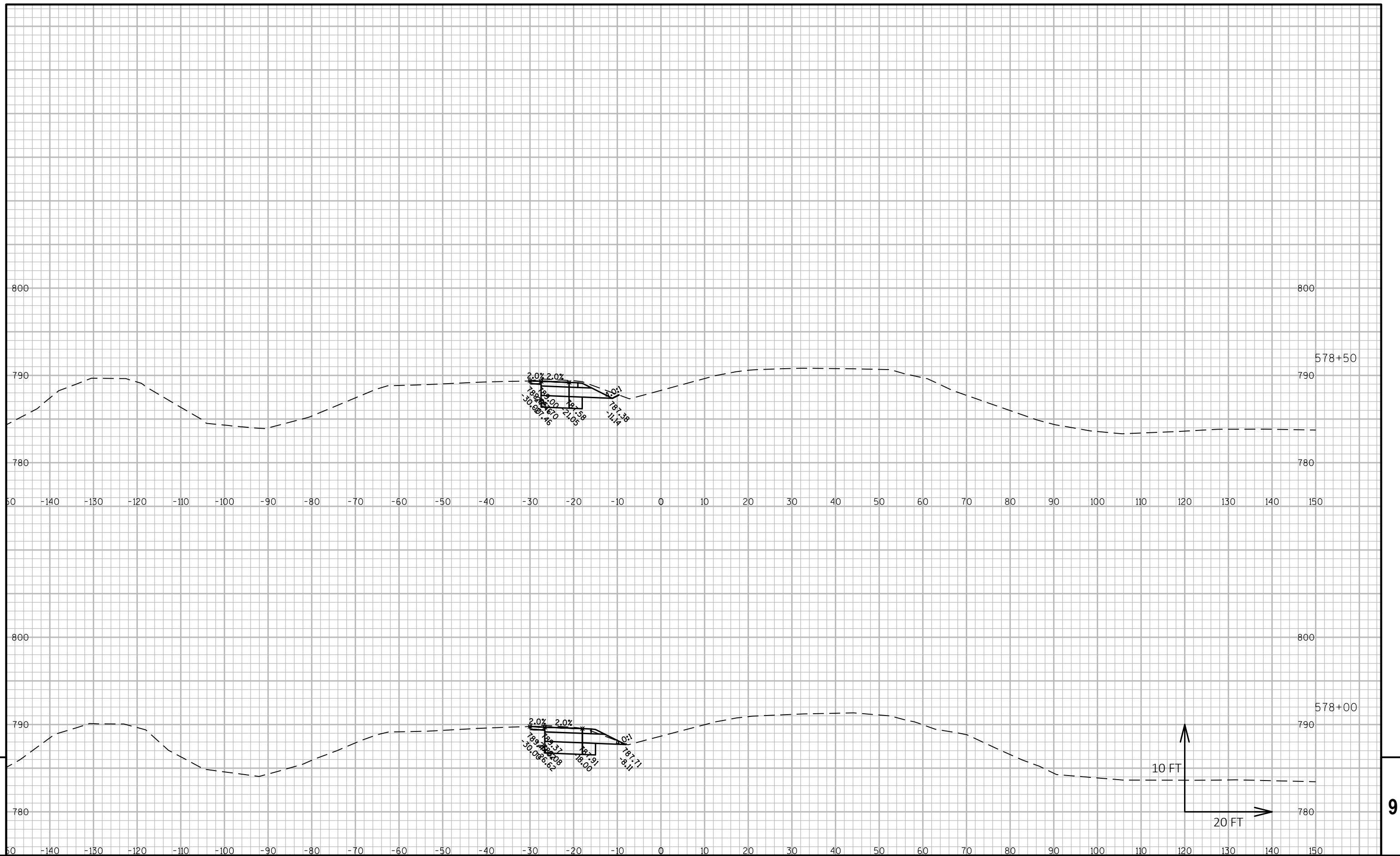
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PROJECT NO: 2240-00-77			HWY: STH 36			COUNTY: RACINE			CROSS SECTIONS:			SHEET			E
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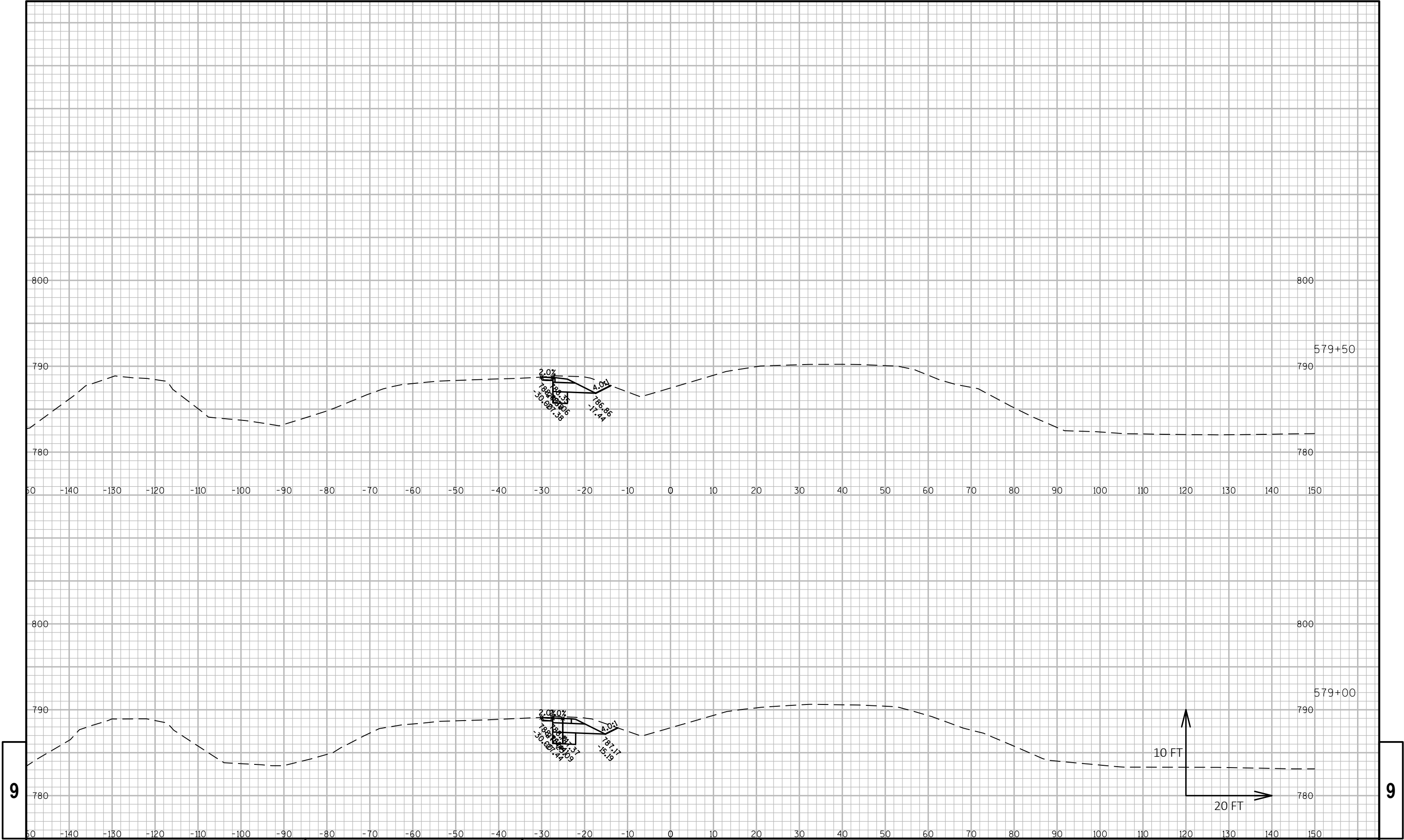


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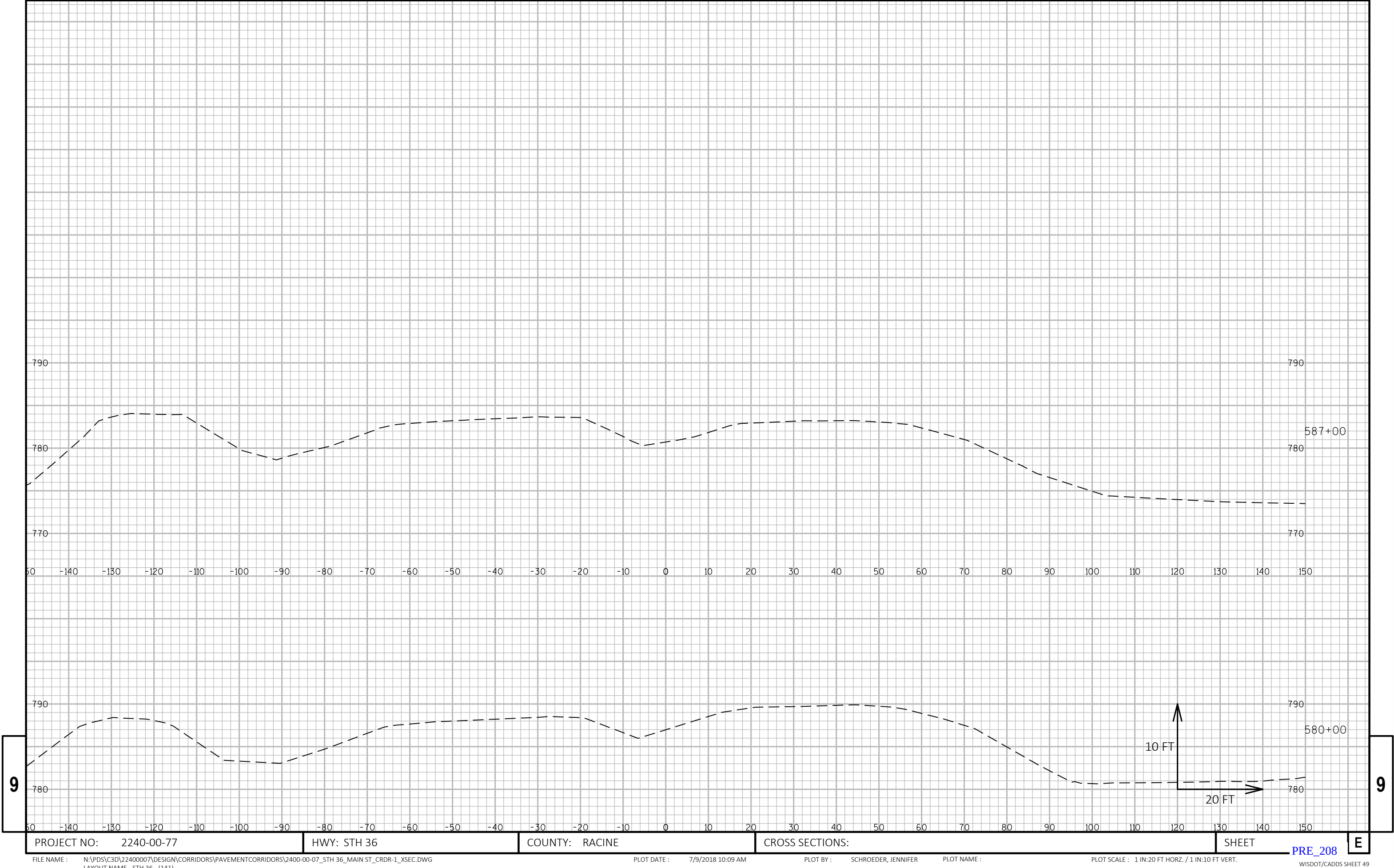
PROJECT NO: 2240-00-77		HWY: STH 36		COUNTY: RACINE		CROSS SECTIONS:				SHEET		PRE_206		E	
FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENT\CORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG						PLOT DATE : 7/9/2018 10:08 AM		PLOT BY : SCHROEDER, JENNIFER		PLOT NAME :		PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.			
LAYOUT NAME - STH 36 - (139)						WISDOT/CADDs SHEET 49									

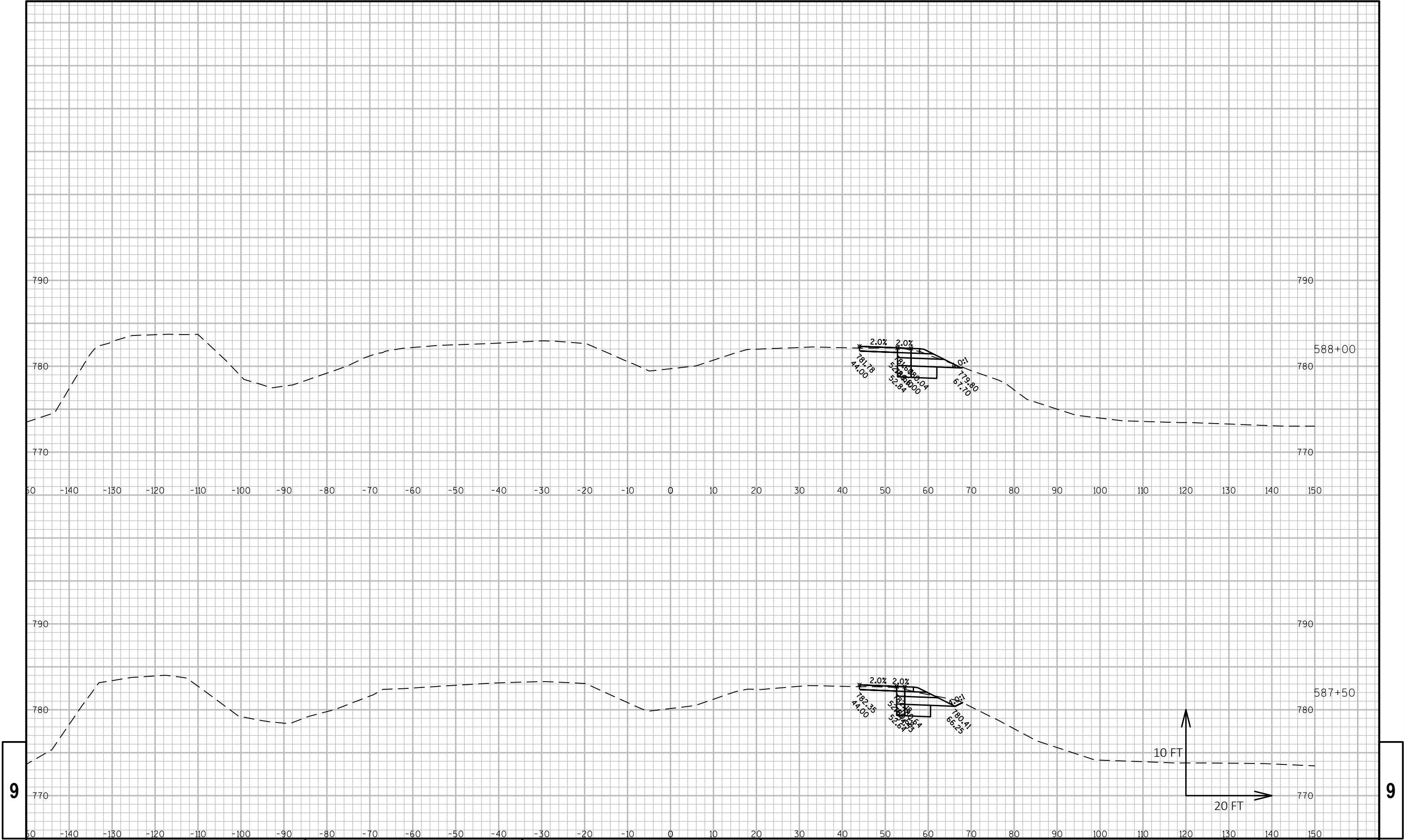


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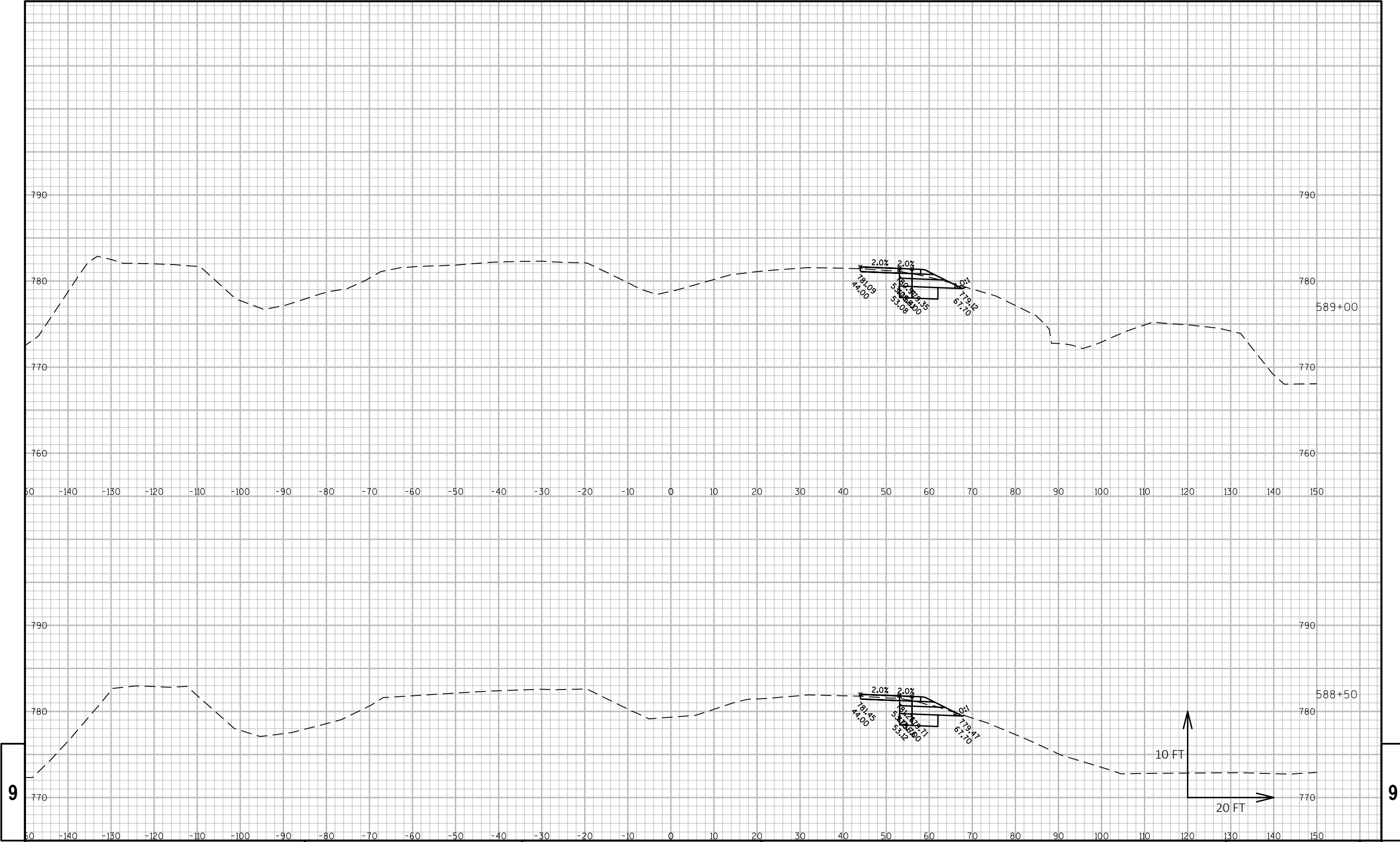
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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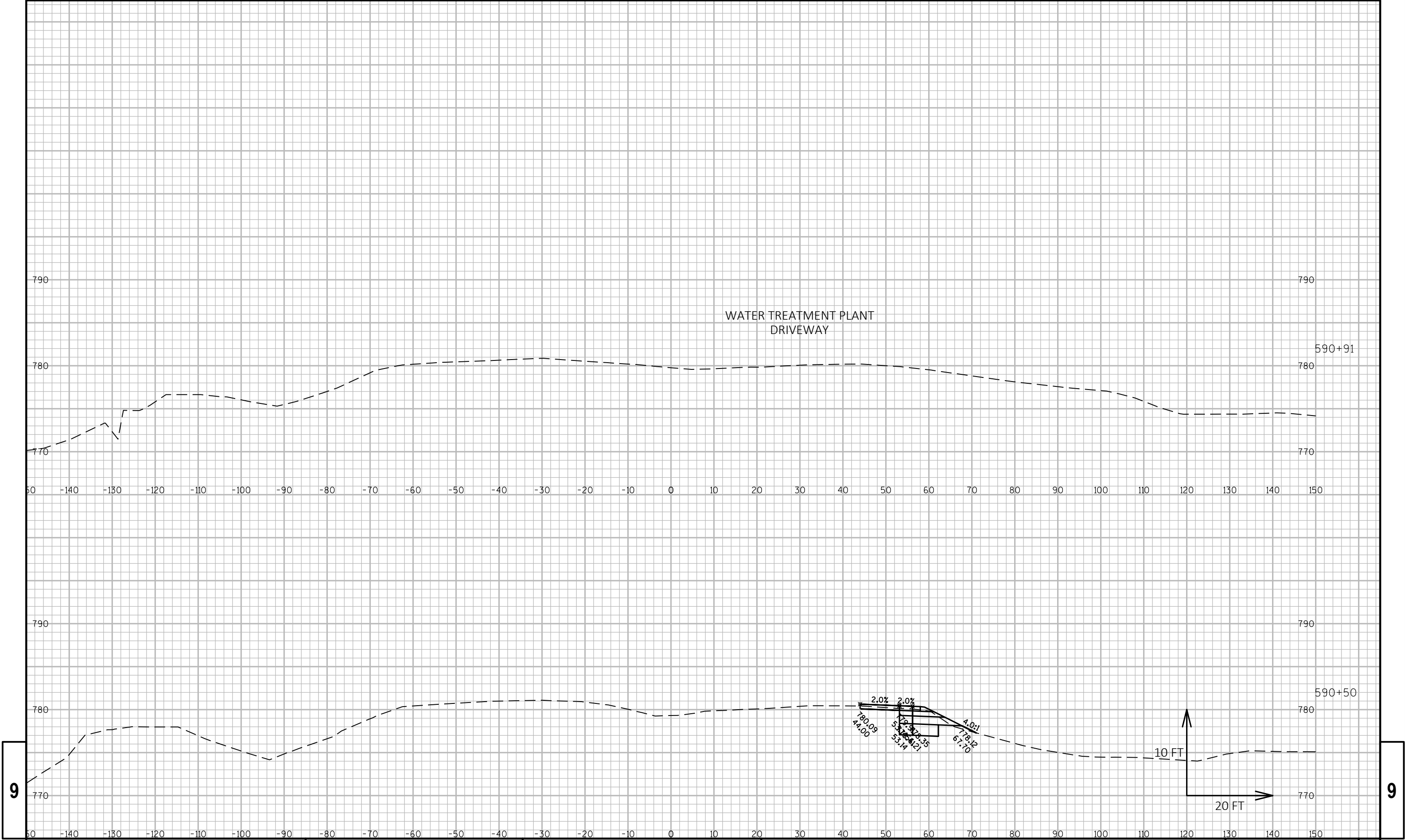
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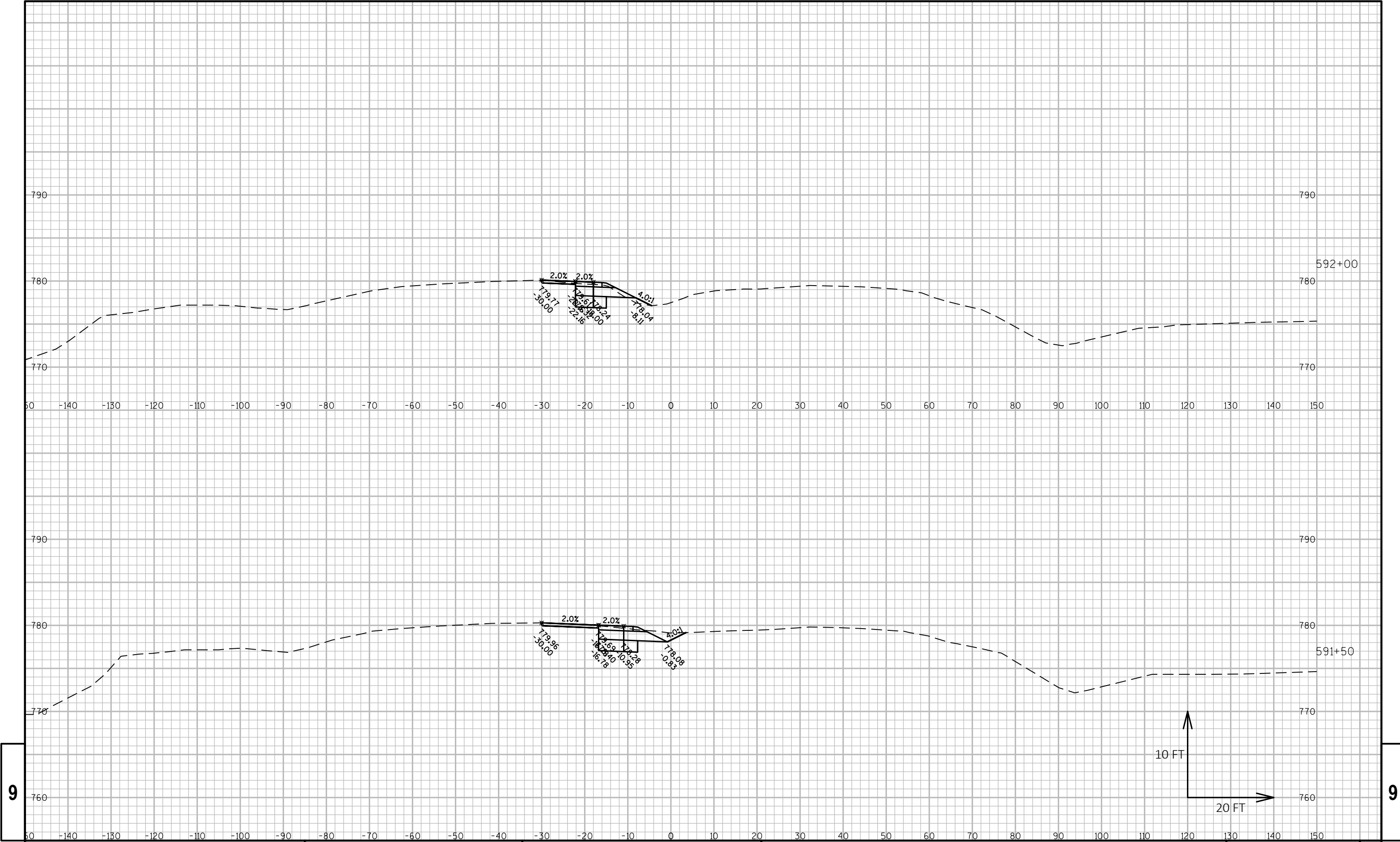
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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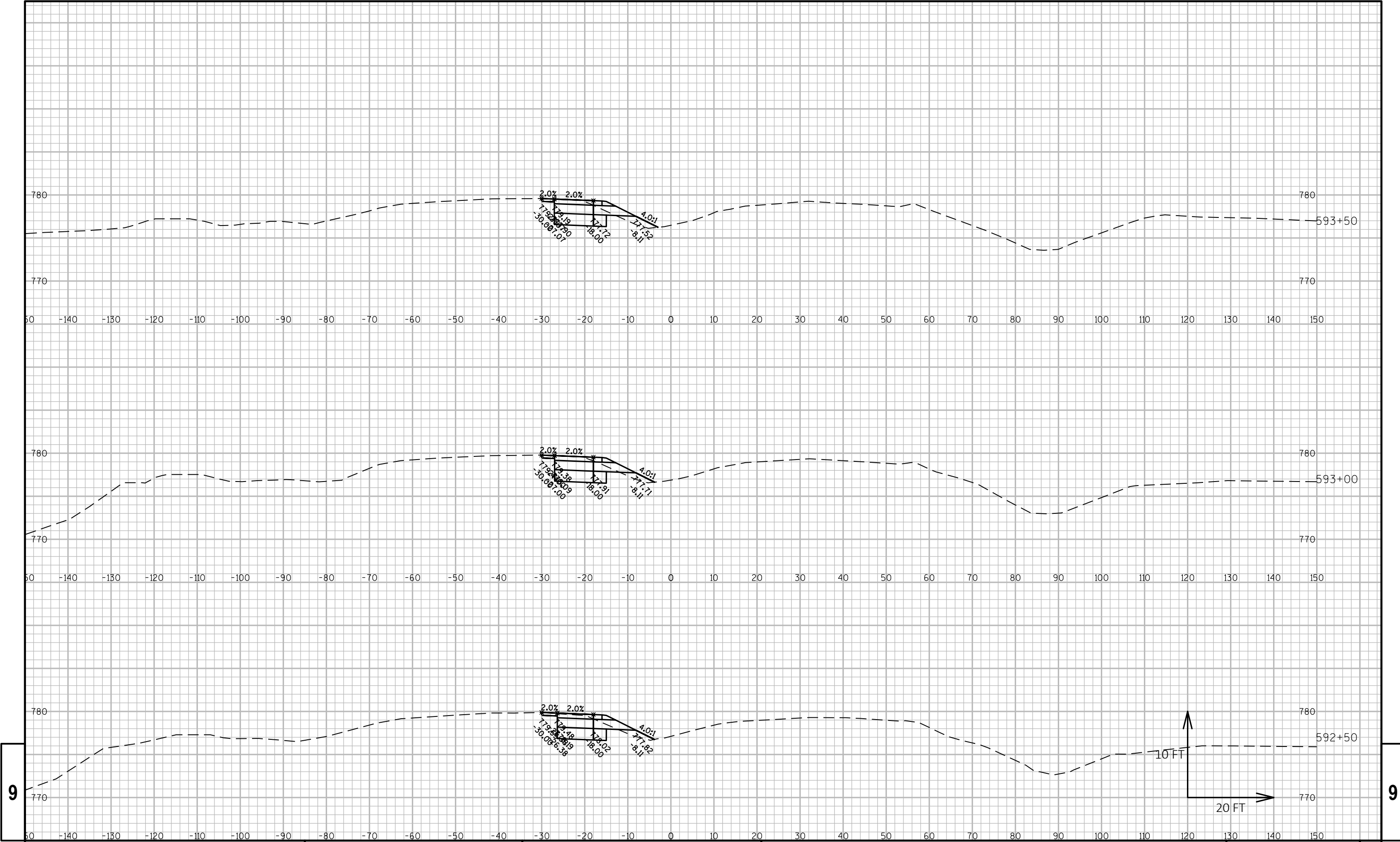
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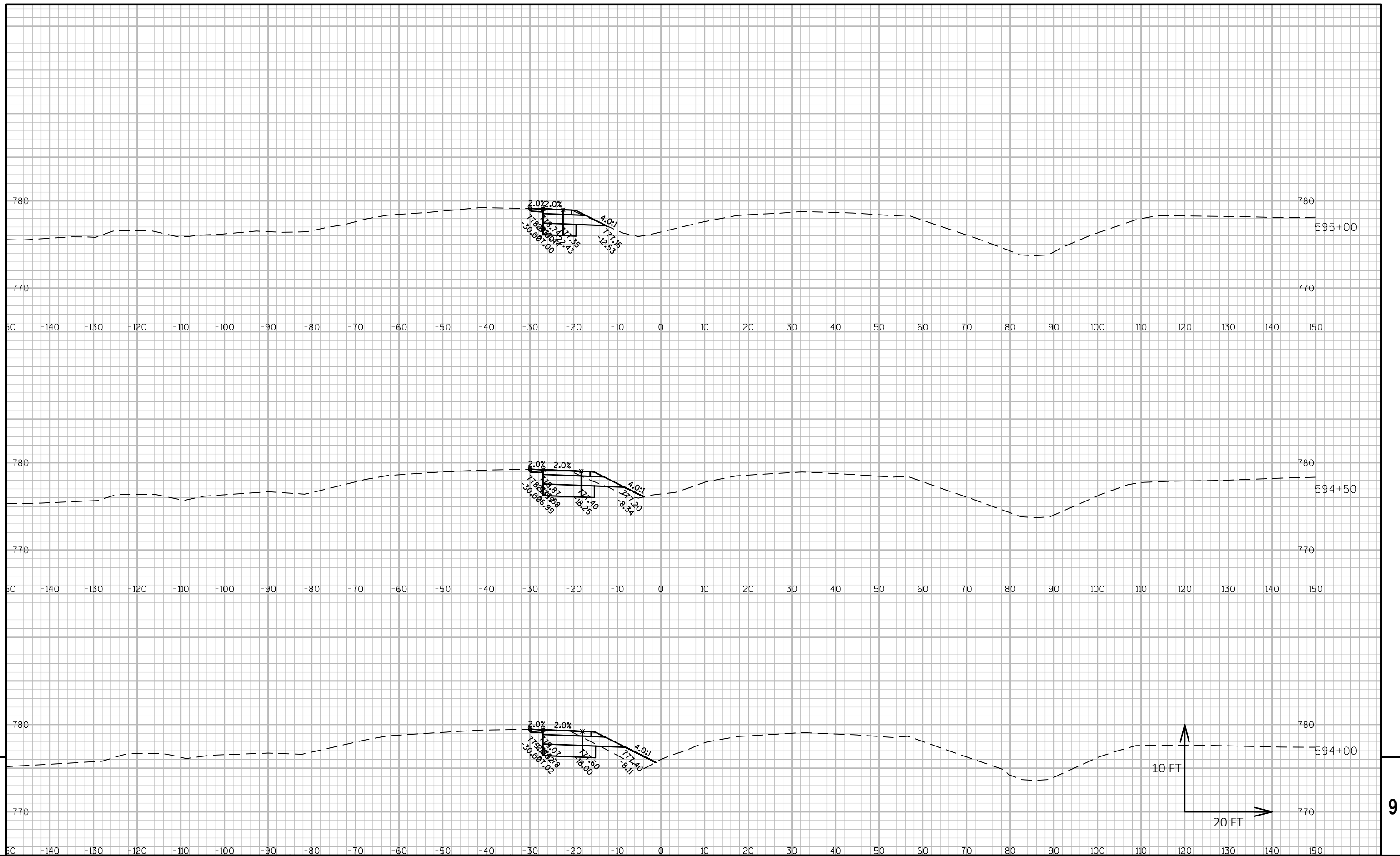
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS:

SHEET

PRE_215

FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENTCORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - STH 36 - (148)

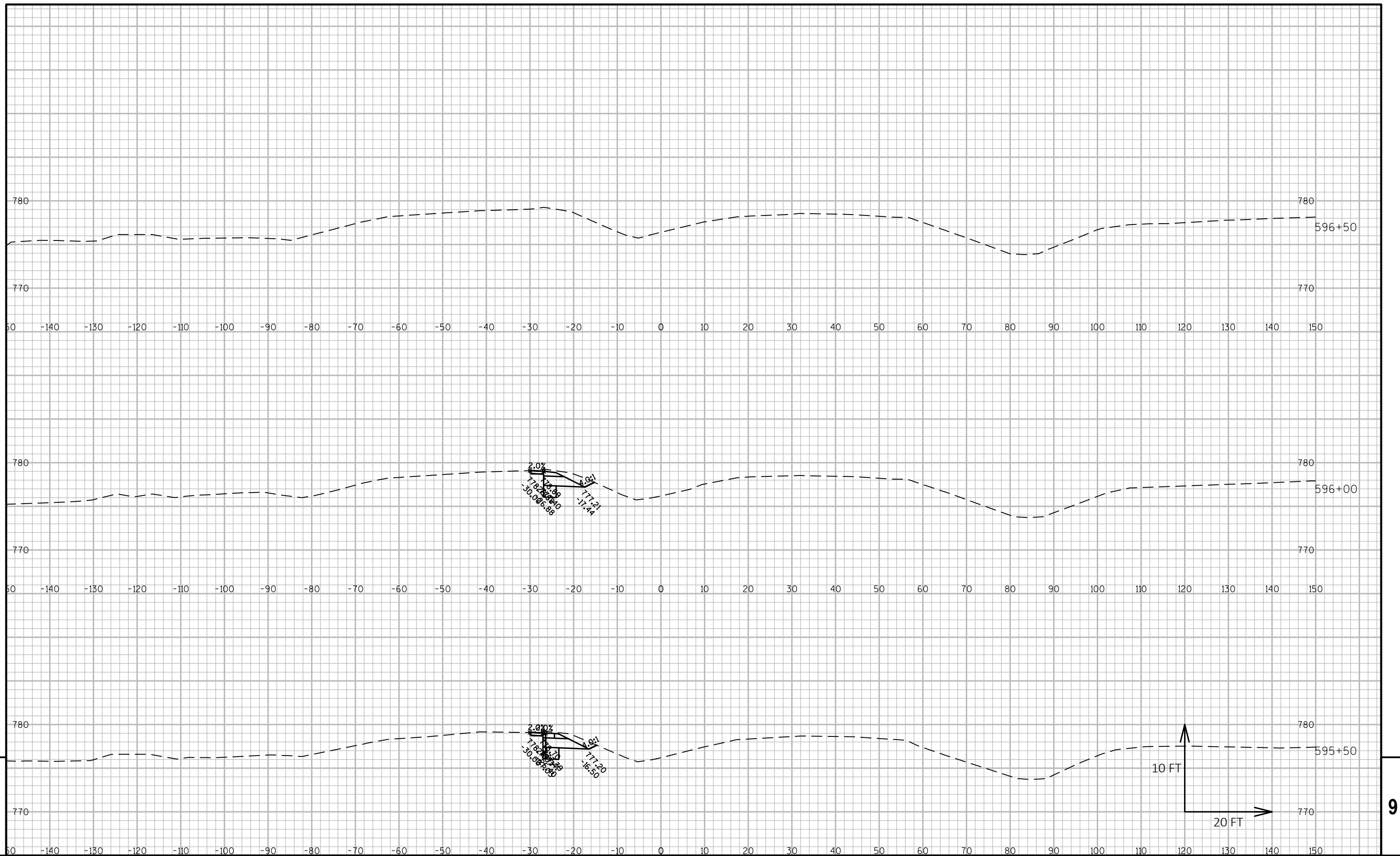
PLOT DATE : 7/9/2018 10:12 AM

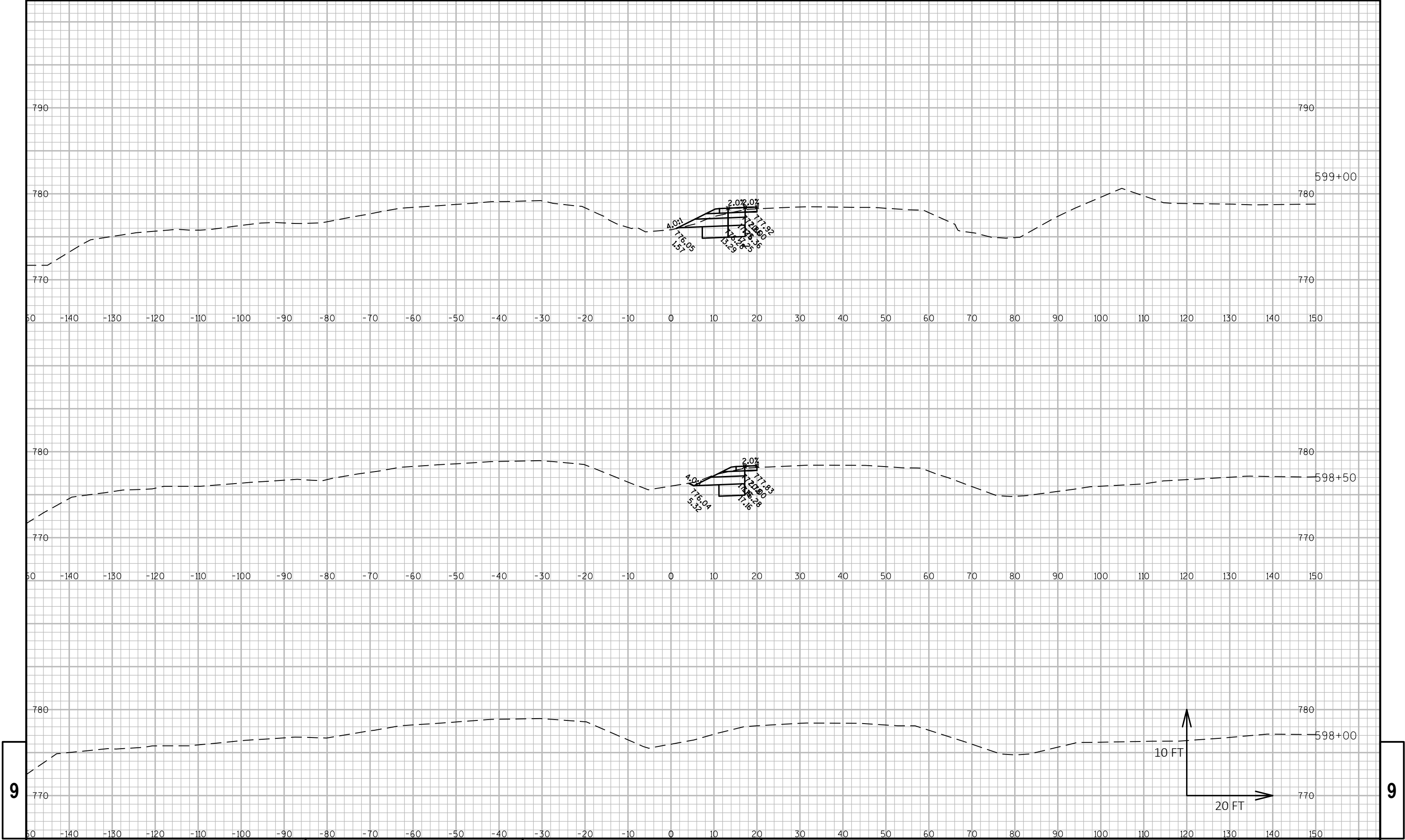
PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

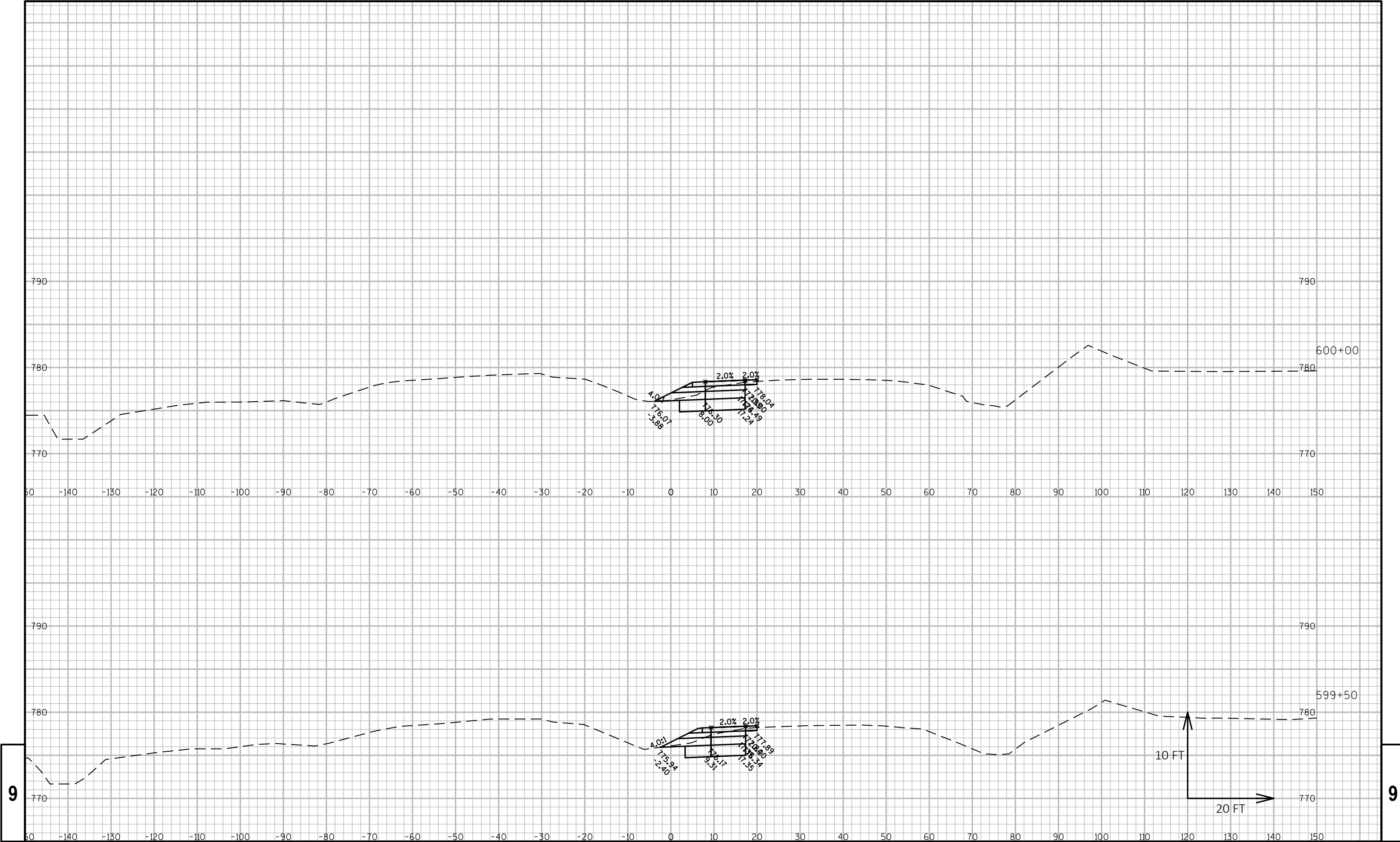




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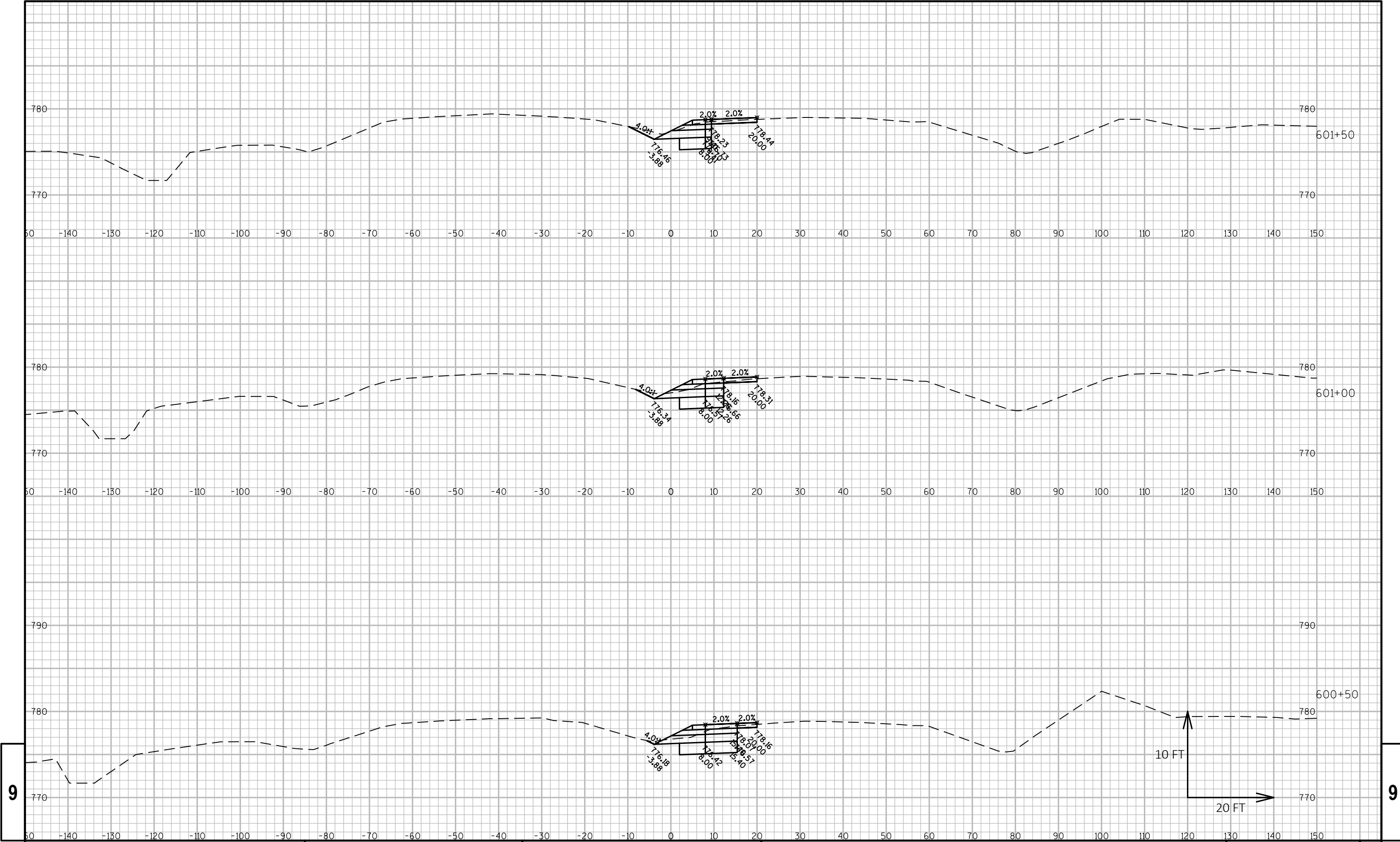
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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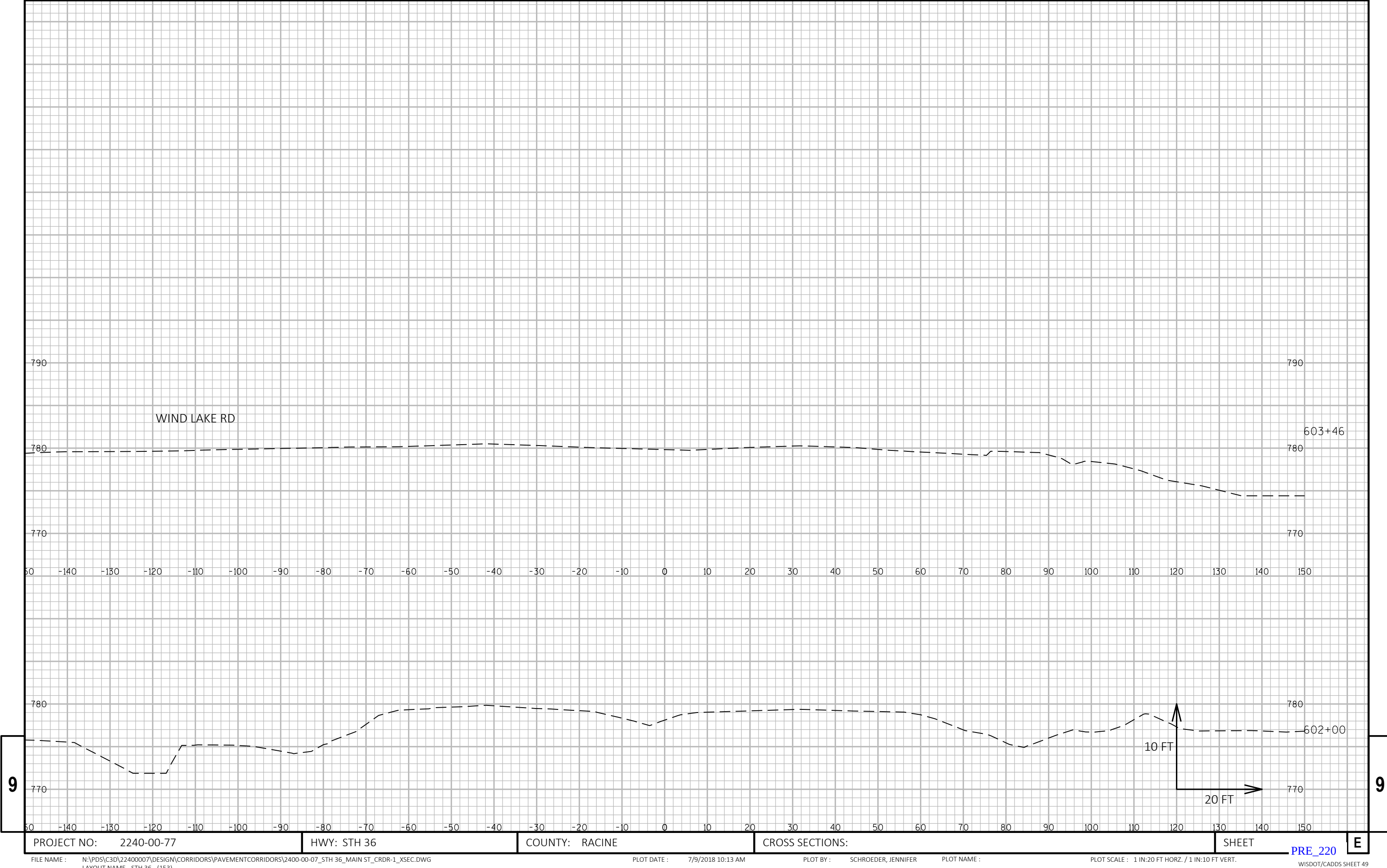
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

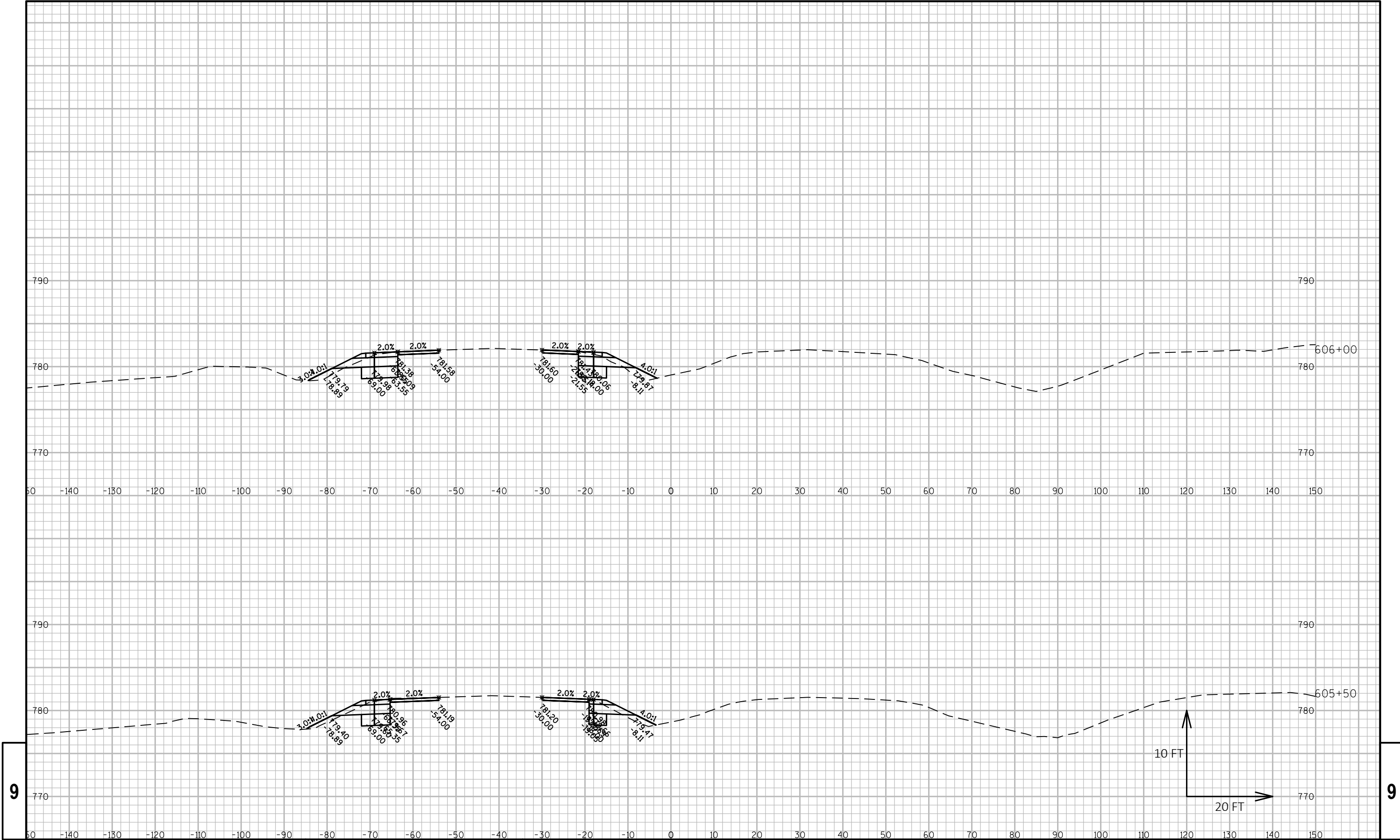
CROSS SECTIONS:

SHEET

E

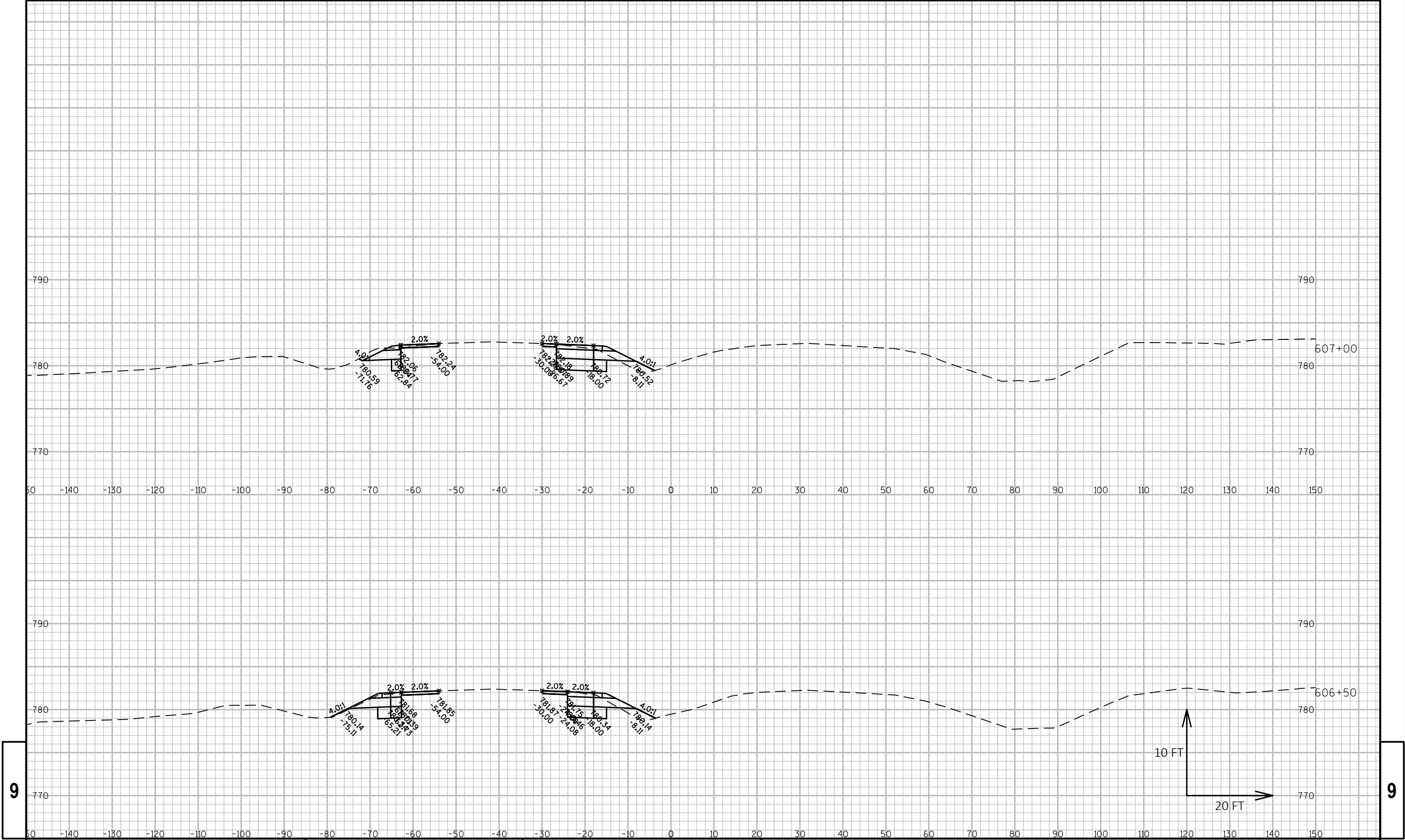


PROJECT NO: 2240-00-77		HWY: STH 36		COUNTY: RACINE		CROSS SECTIONS:		SHEET		PRE_222 E	
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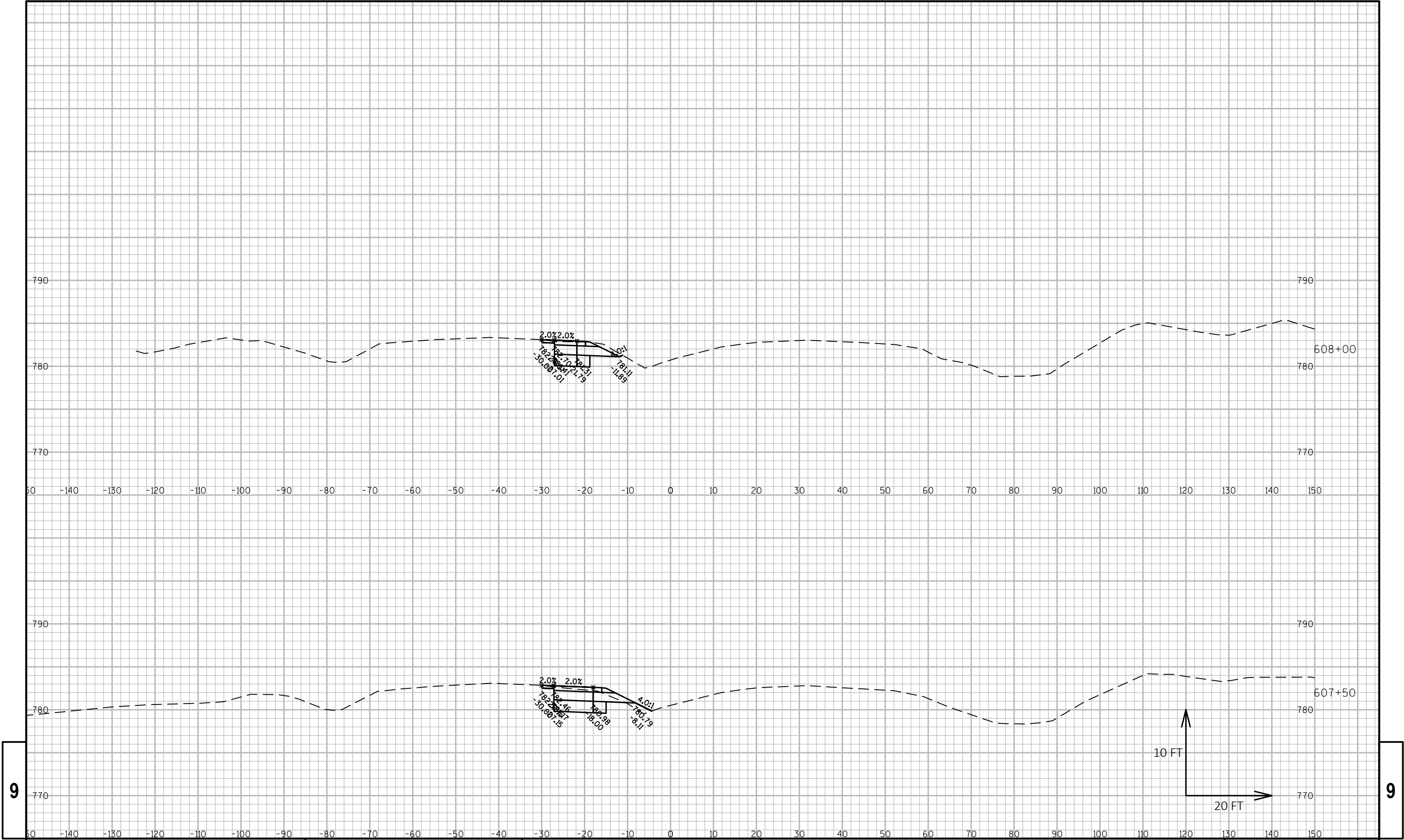
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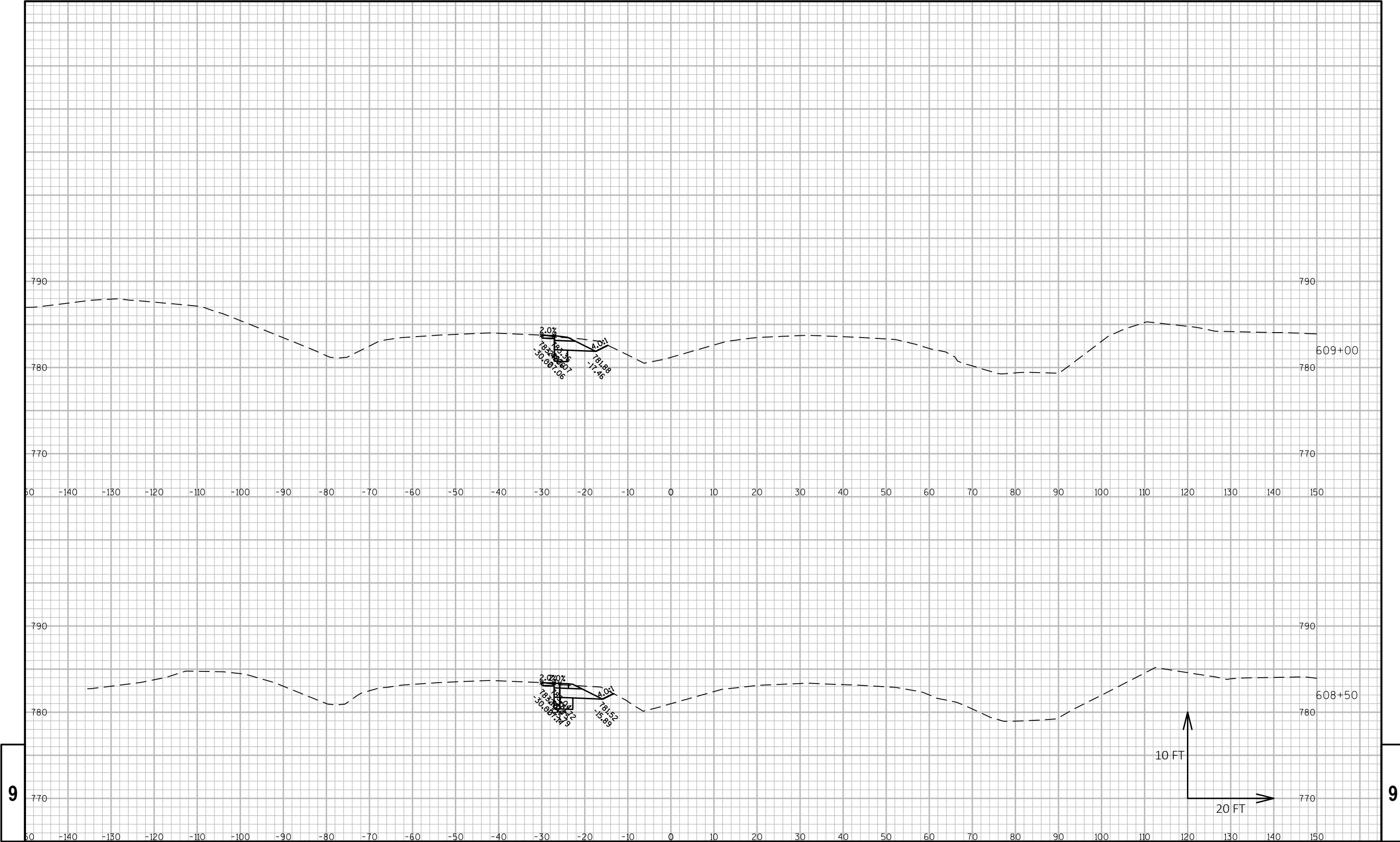
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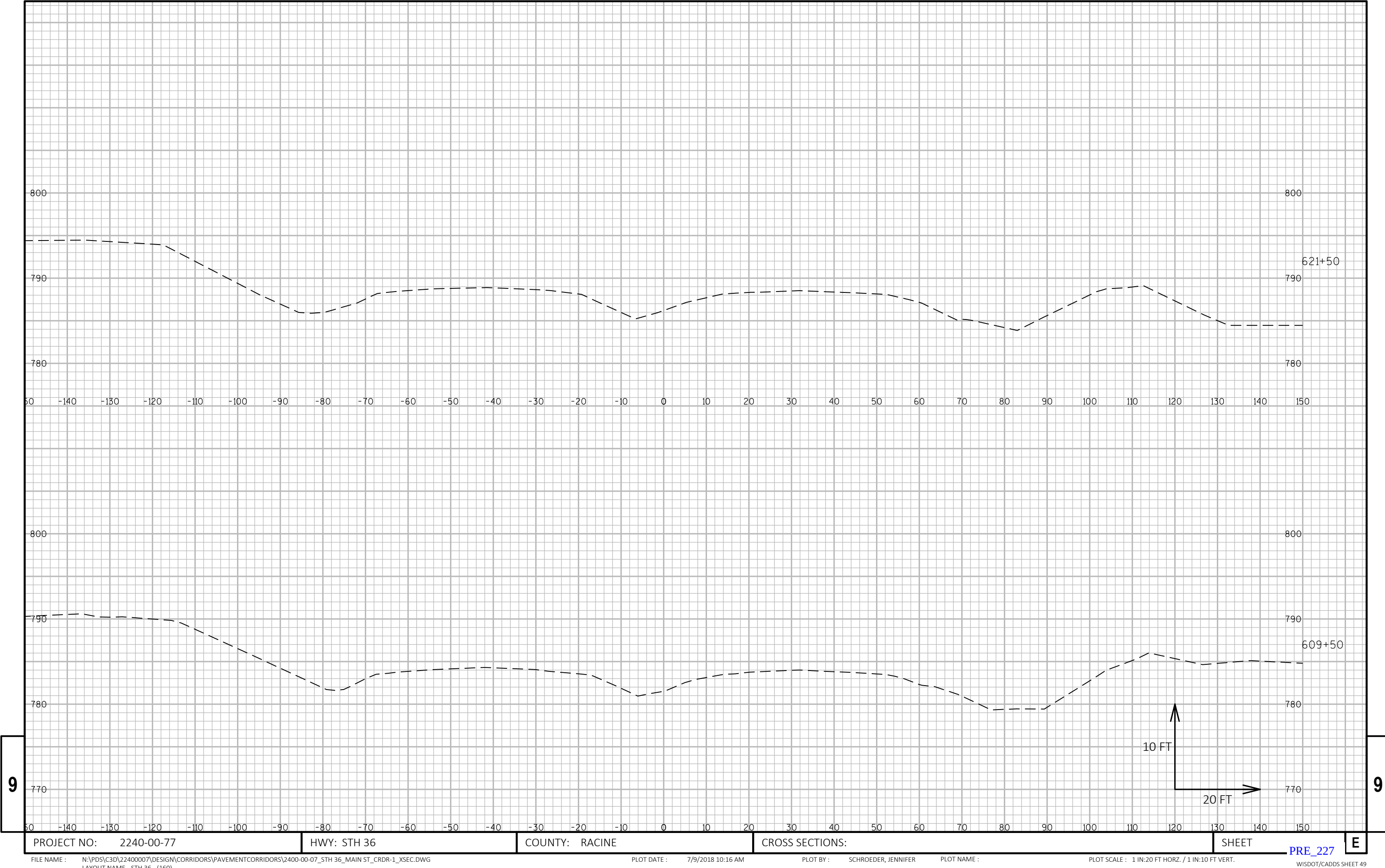
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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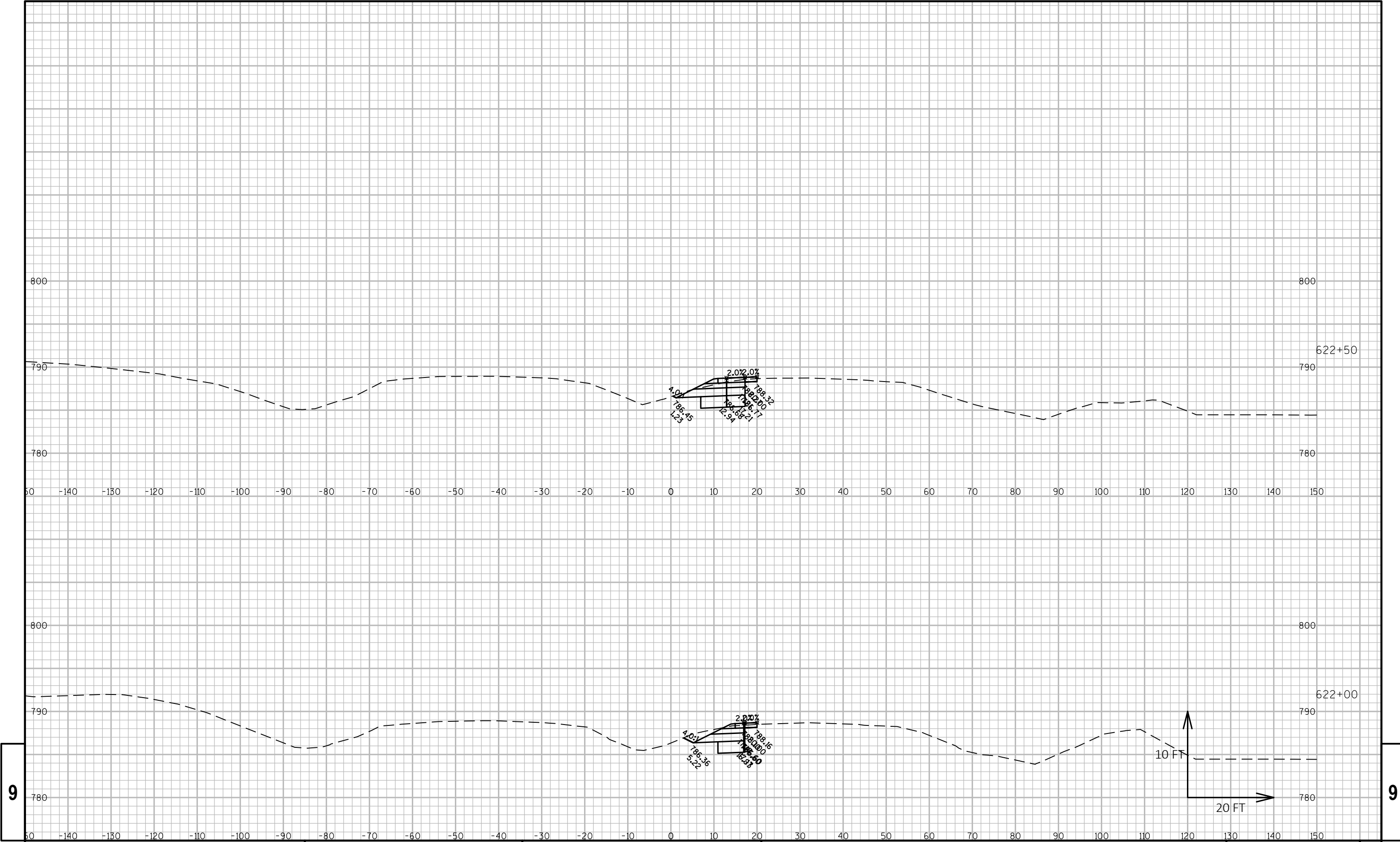


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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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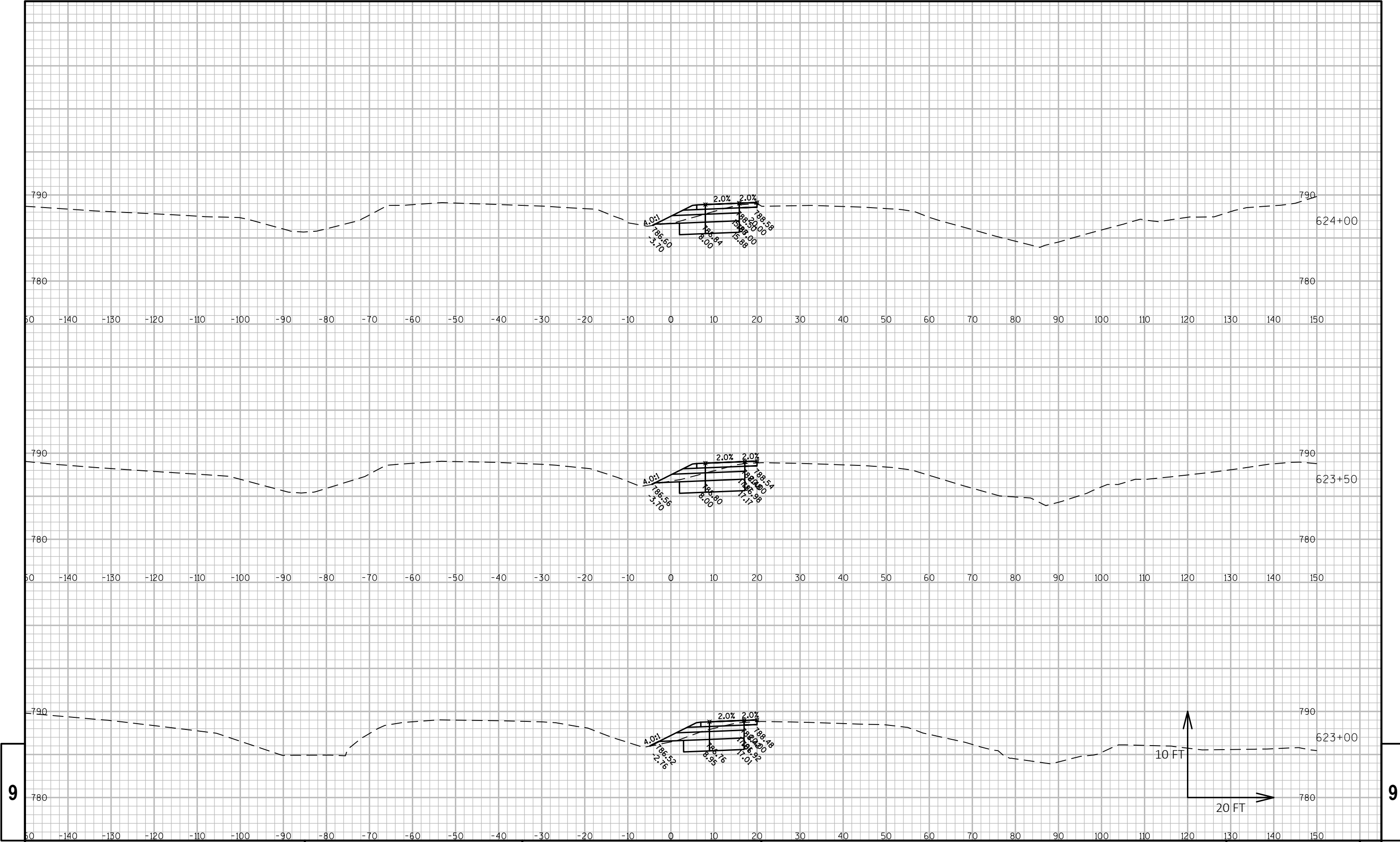




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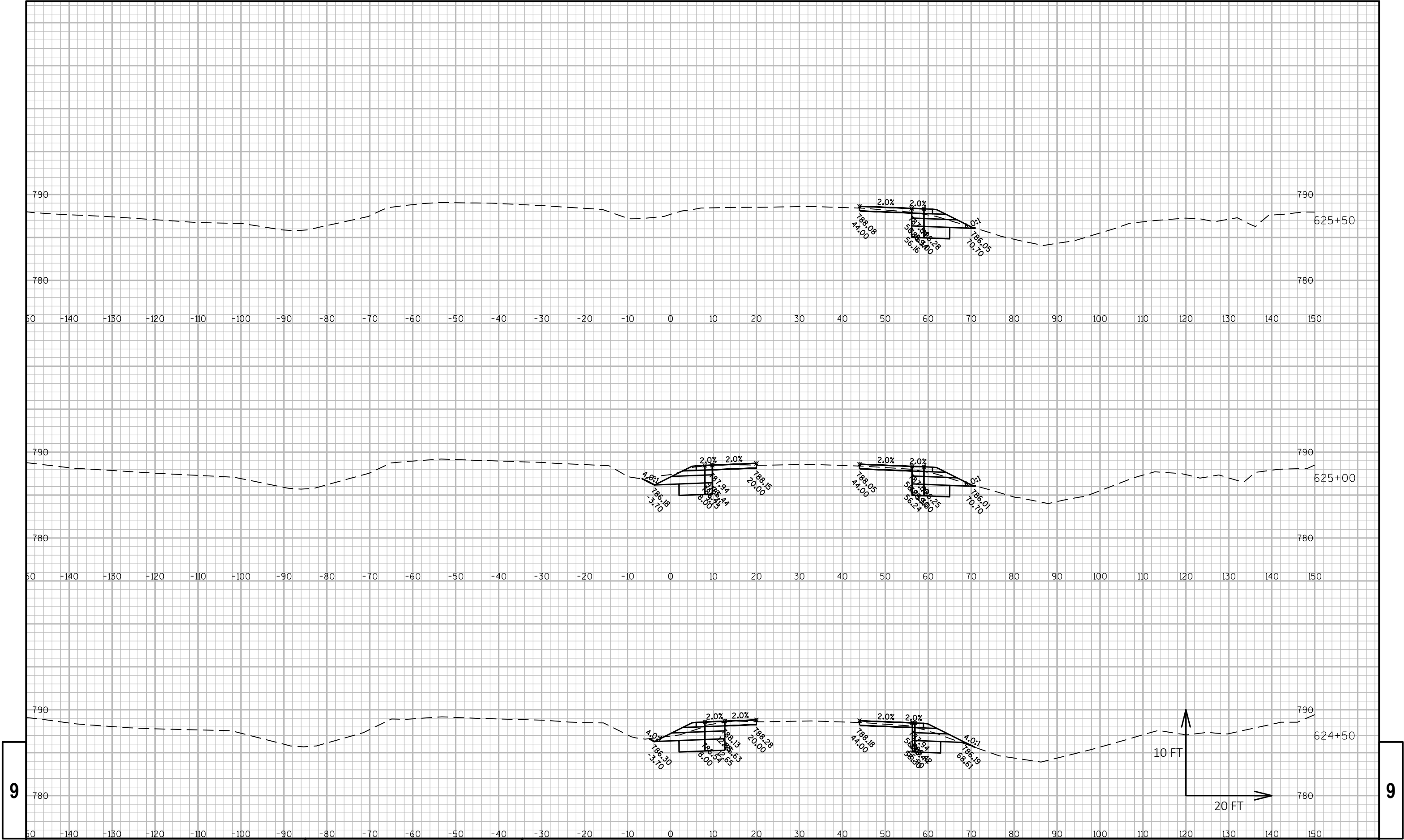
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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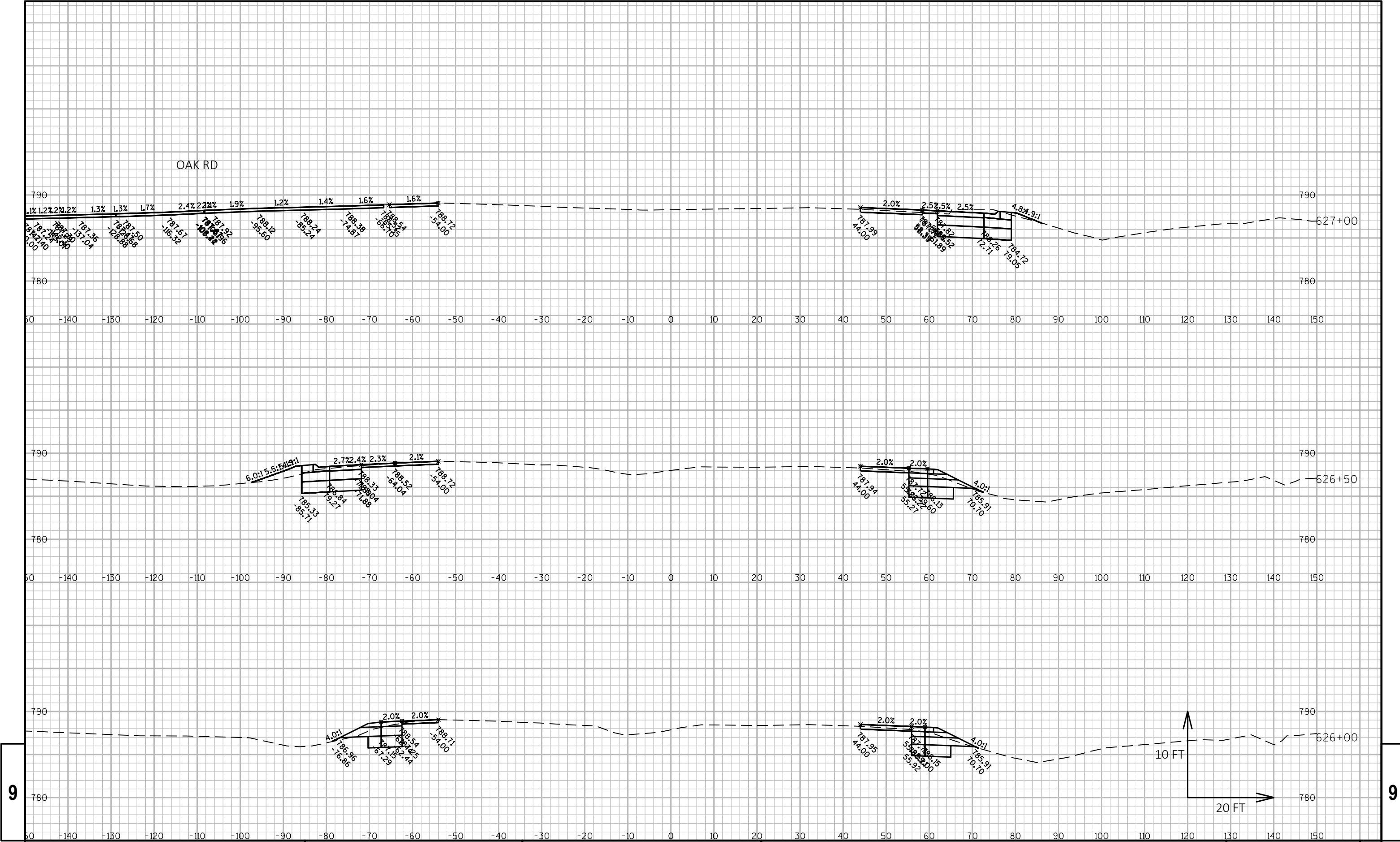
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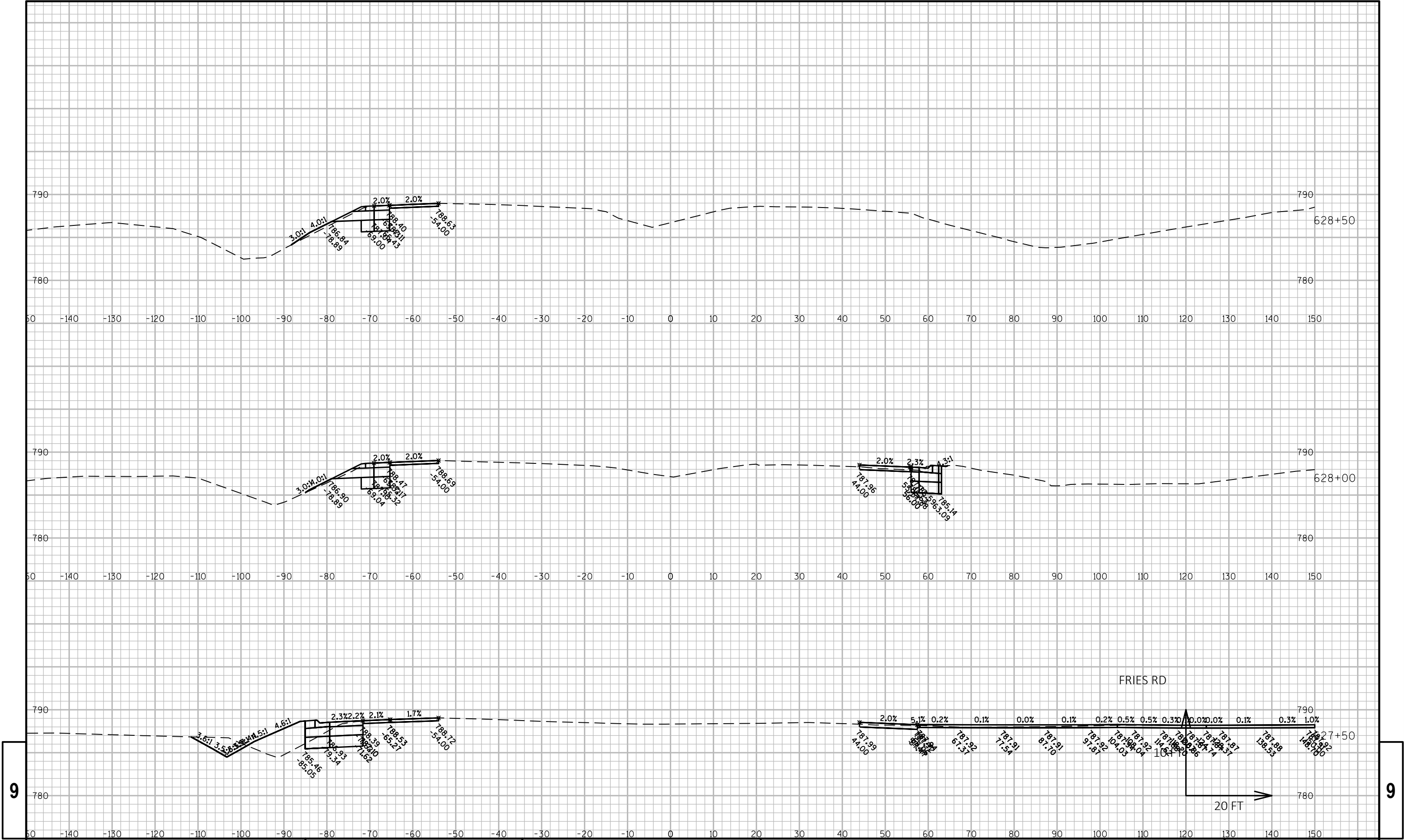
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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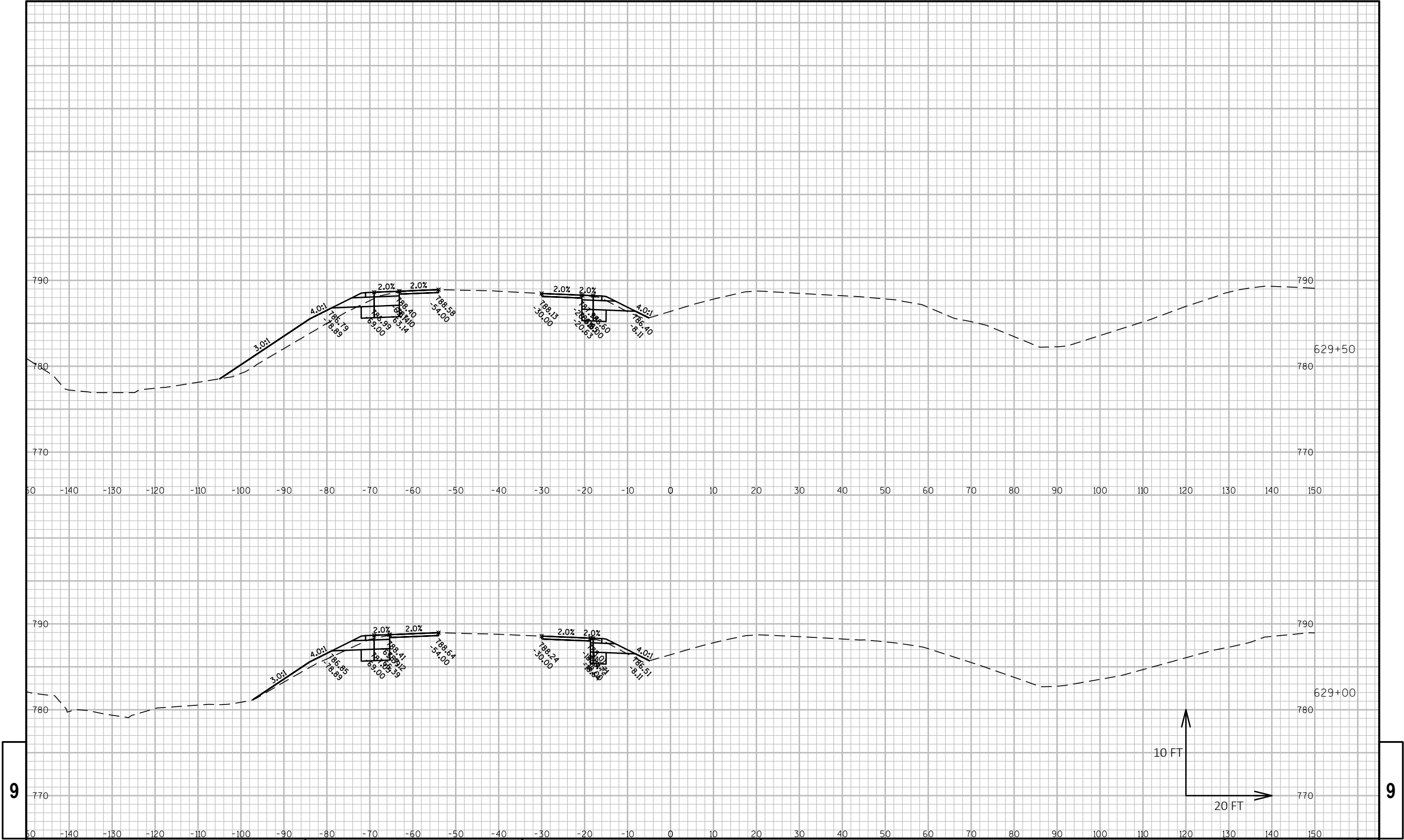
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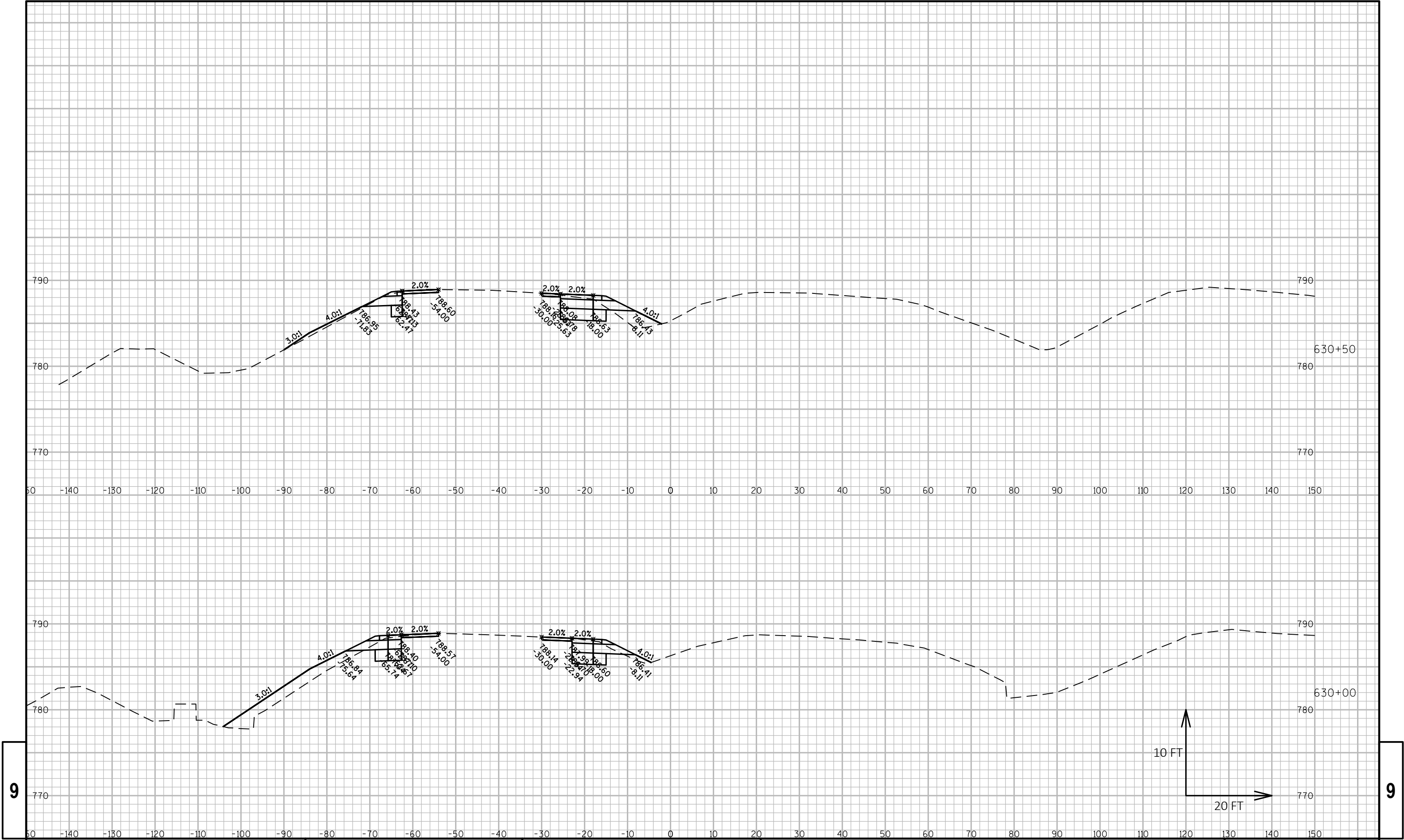
PROJECT NO: 2240-00-77 HWY: STH 36 COUNTY: RACINE CROSS SECTIONS: SHEET



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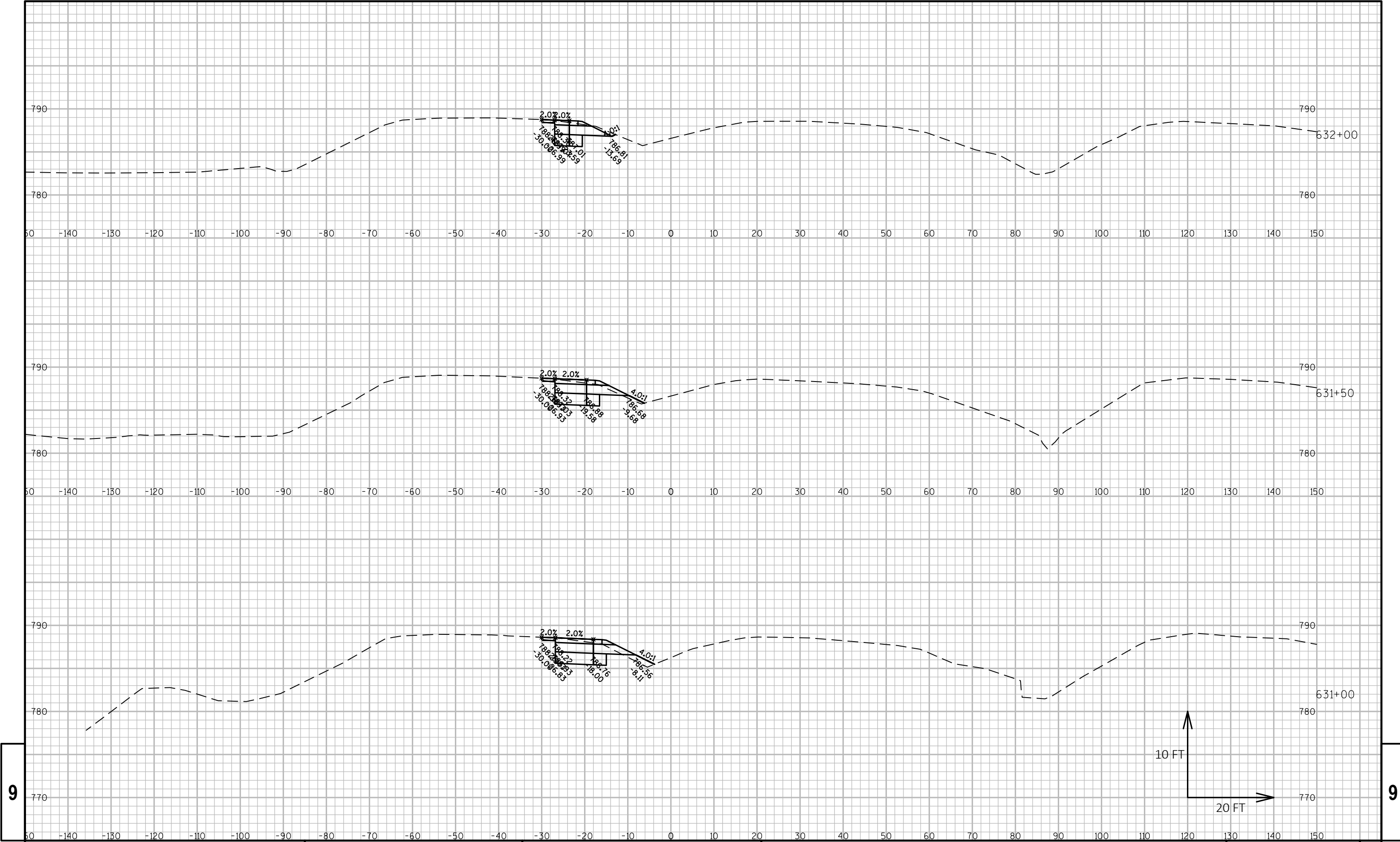
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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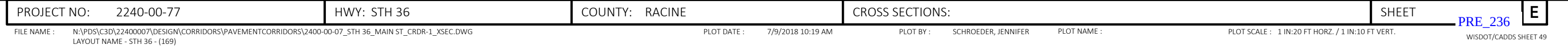
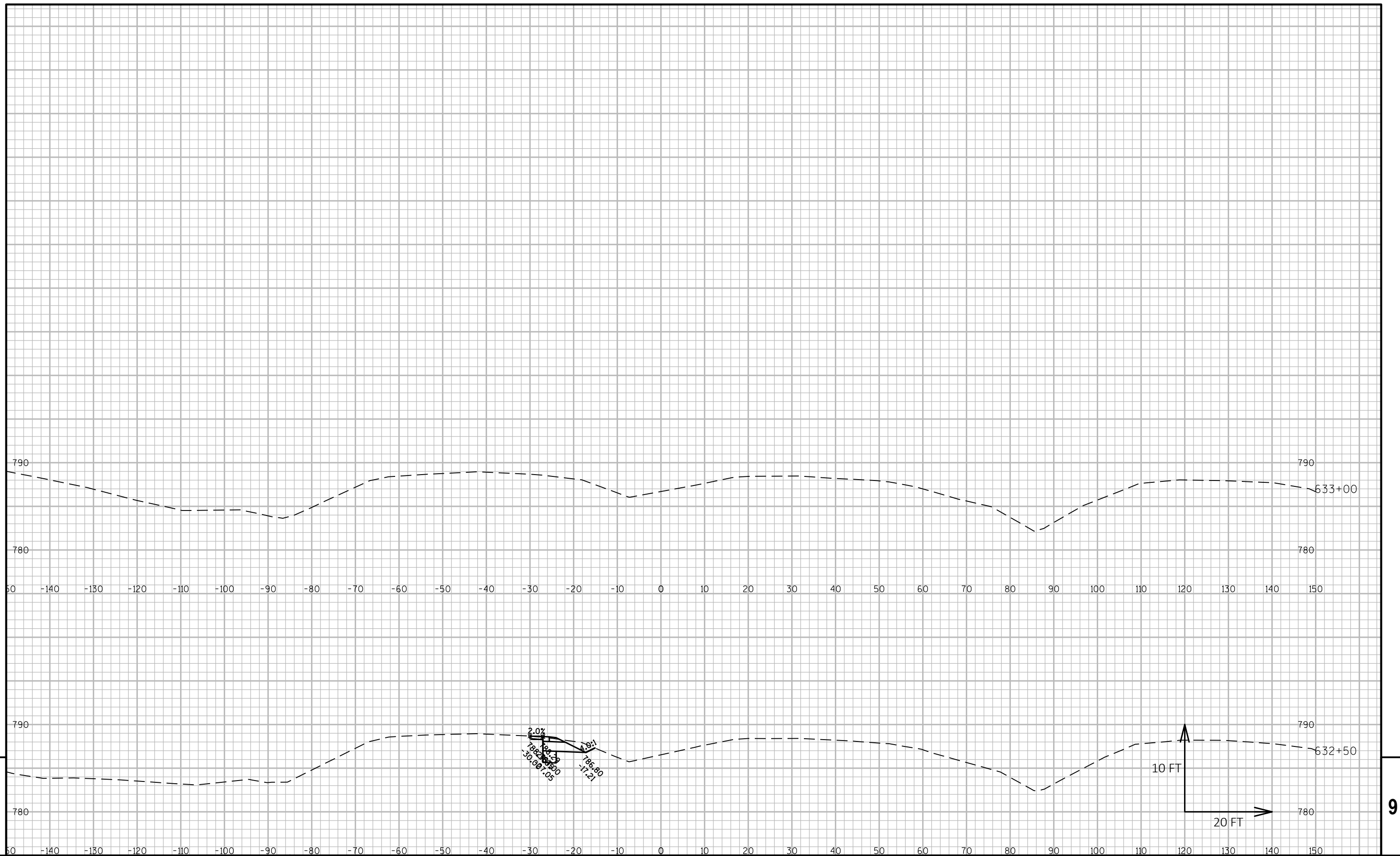
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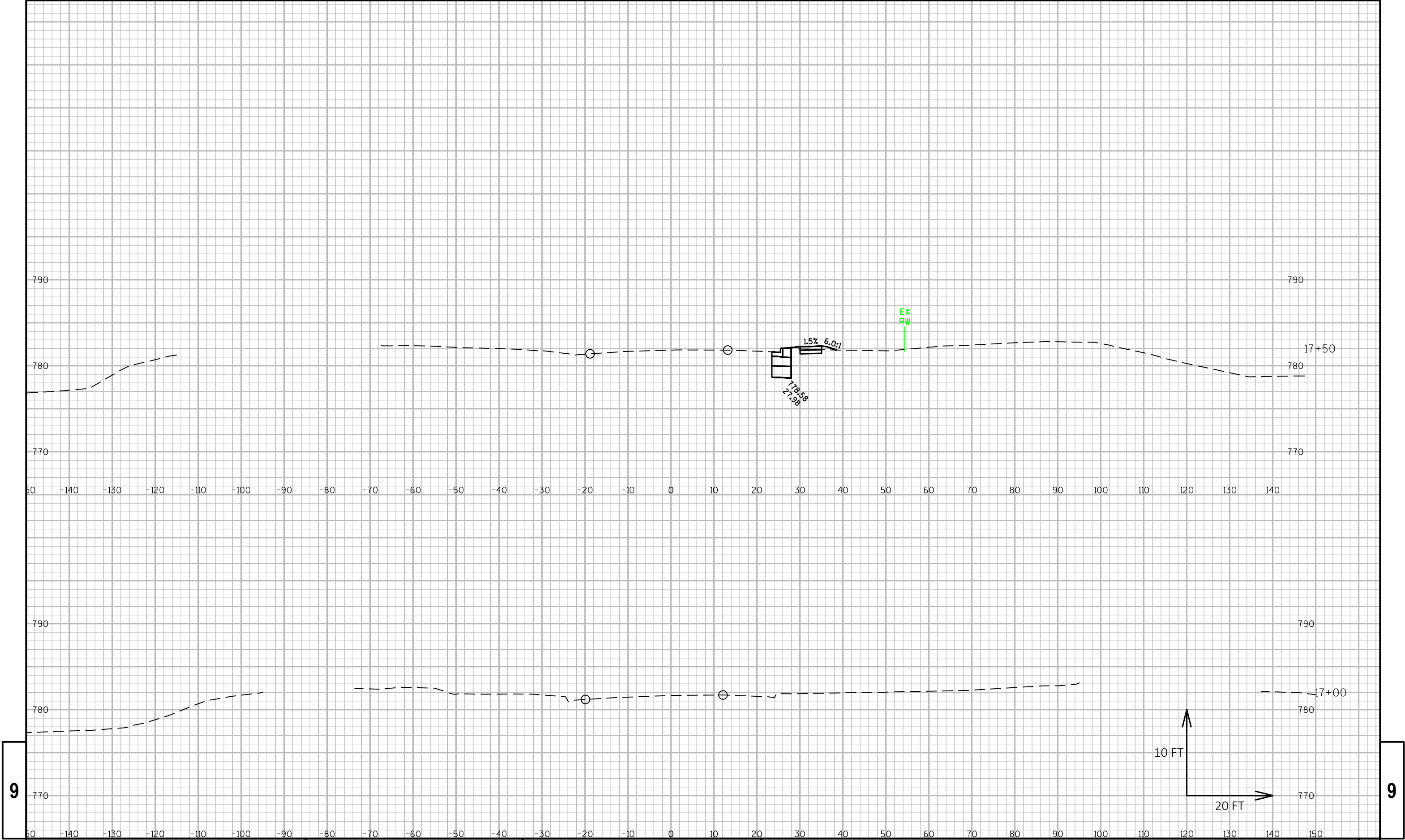
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	E
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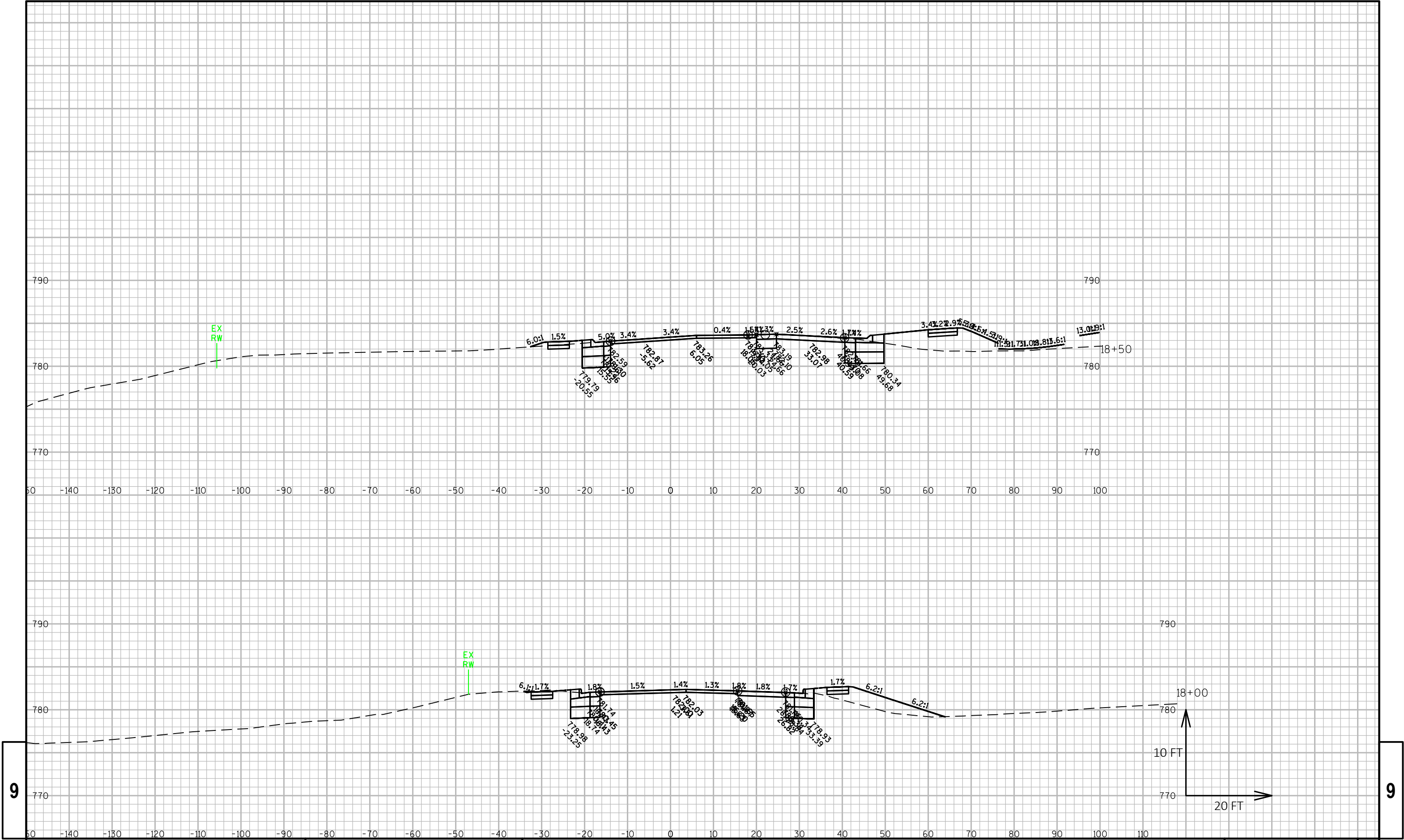
PROJECT NO:	2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS:	SHEET	PRE 226	E
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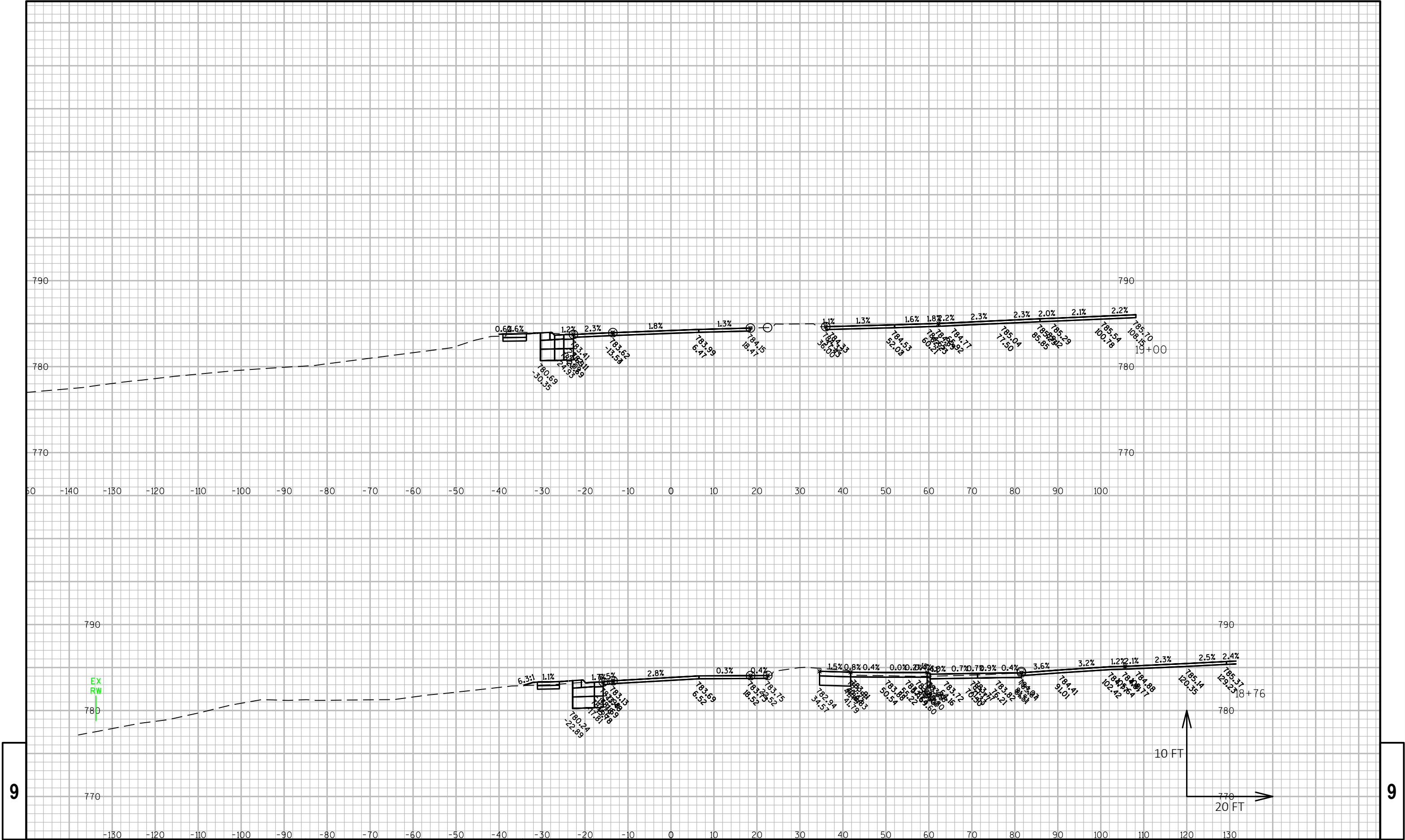
FILE NAME : N:\PDS\CD\22400007\DESIGN\CORRIDORS\PAVEMENTCORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG PLOT DATE : 7/9/2018 10:19 AM PLOT BY : SCHROEDER, JENNIFER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT. WISDOT/CADD SHEET



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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS: MAIN STREET

SHEET

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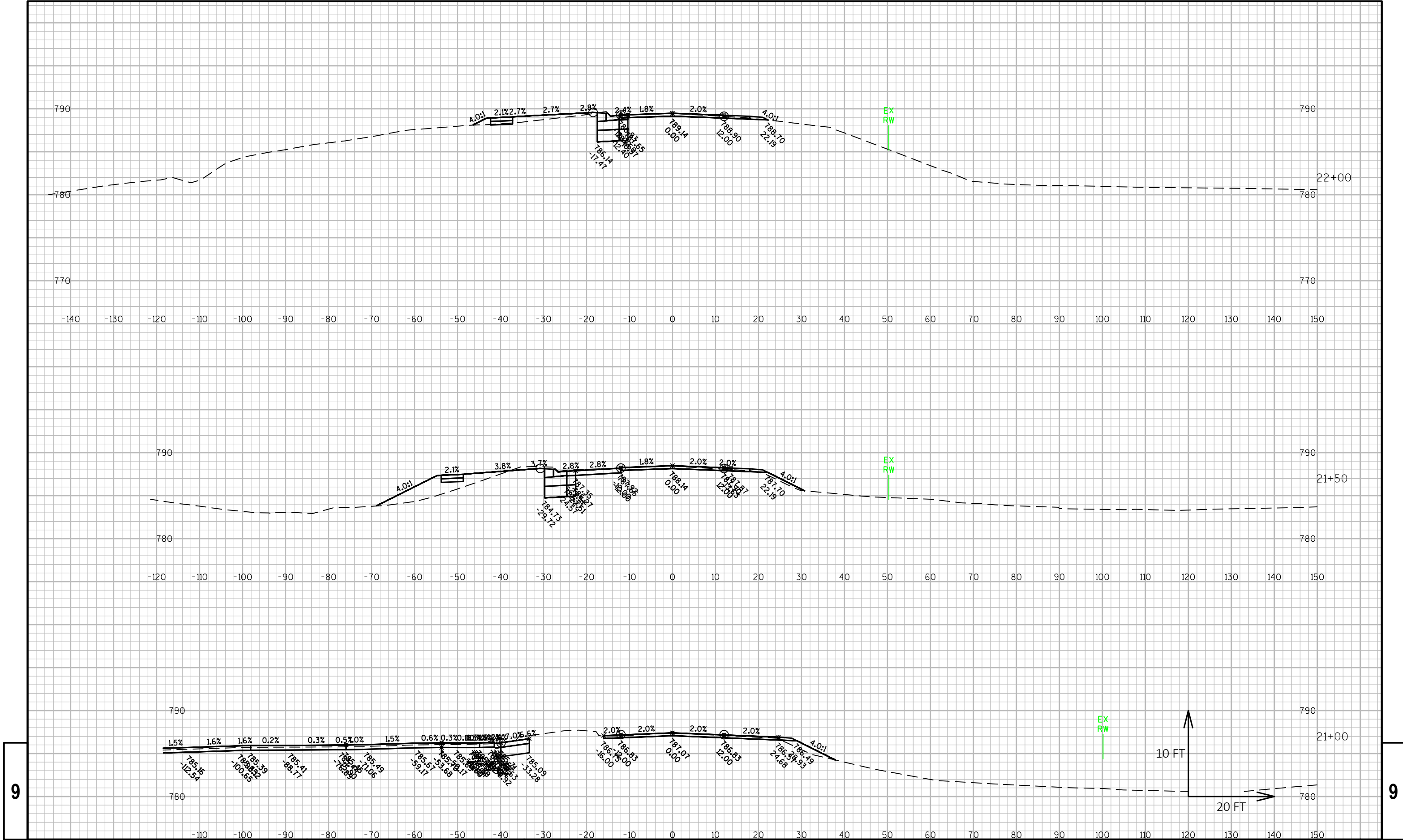
FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENT\CORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - Main Street - (3)

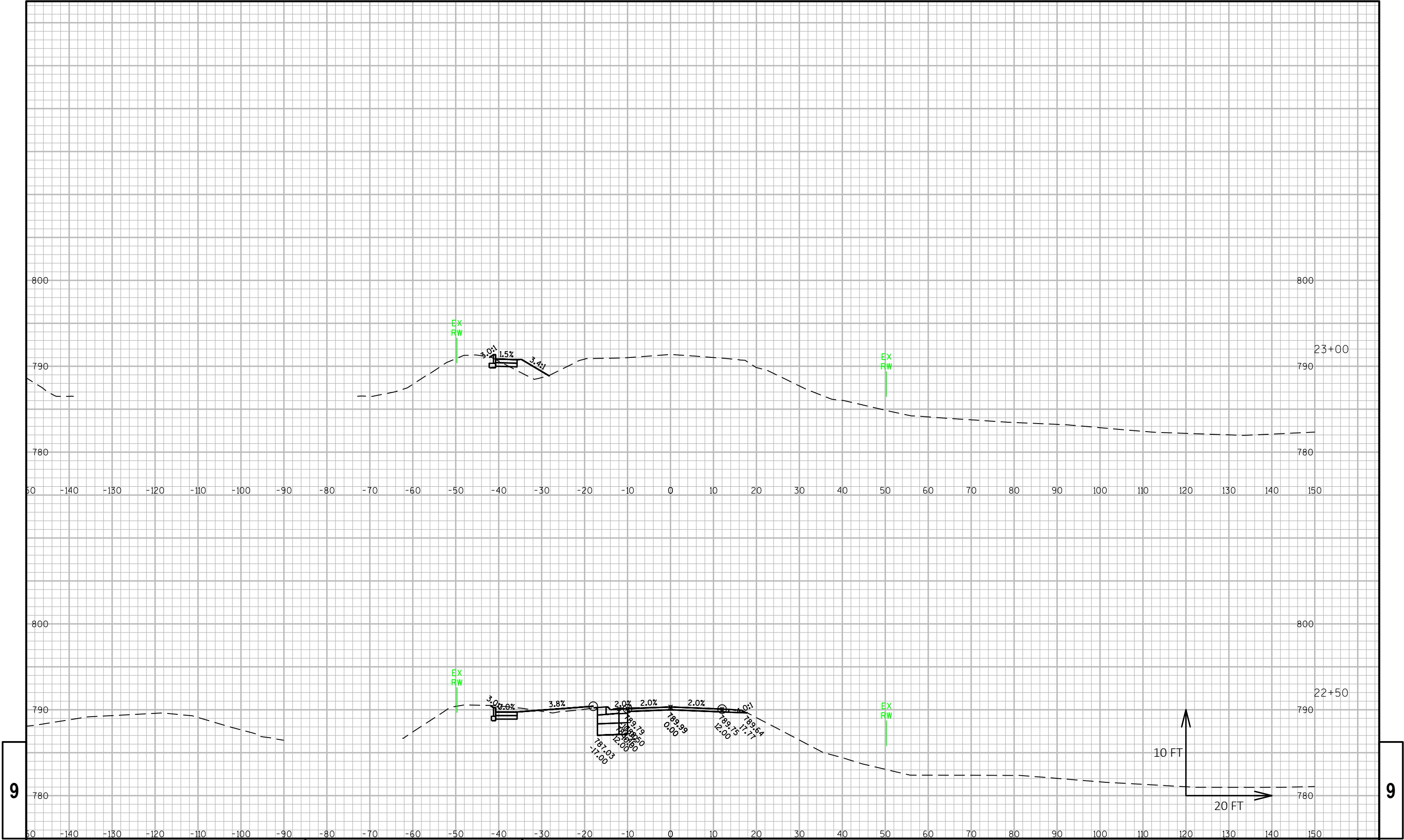
PLOT DATE : 7/9/2018 8:38 AM

PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



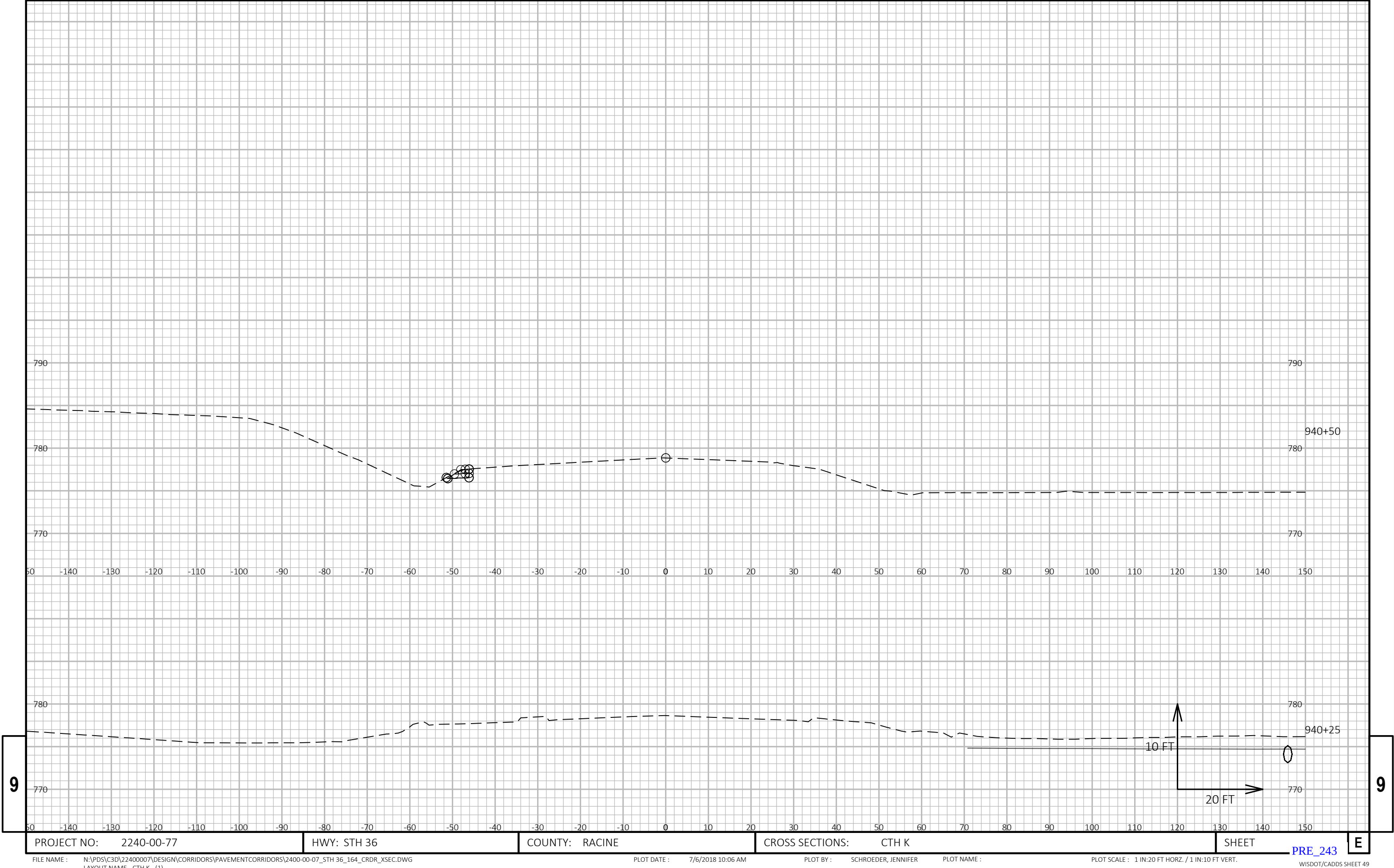


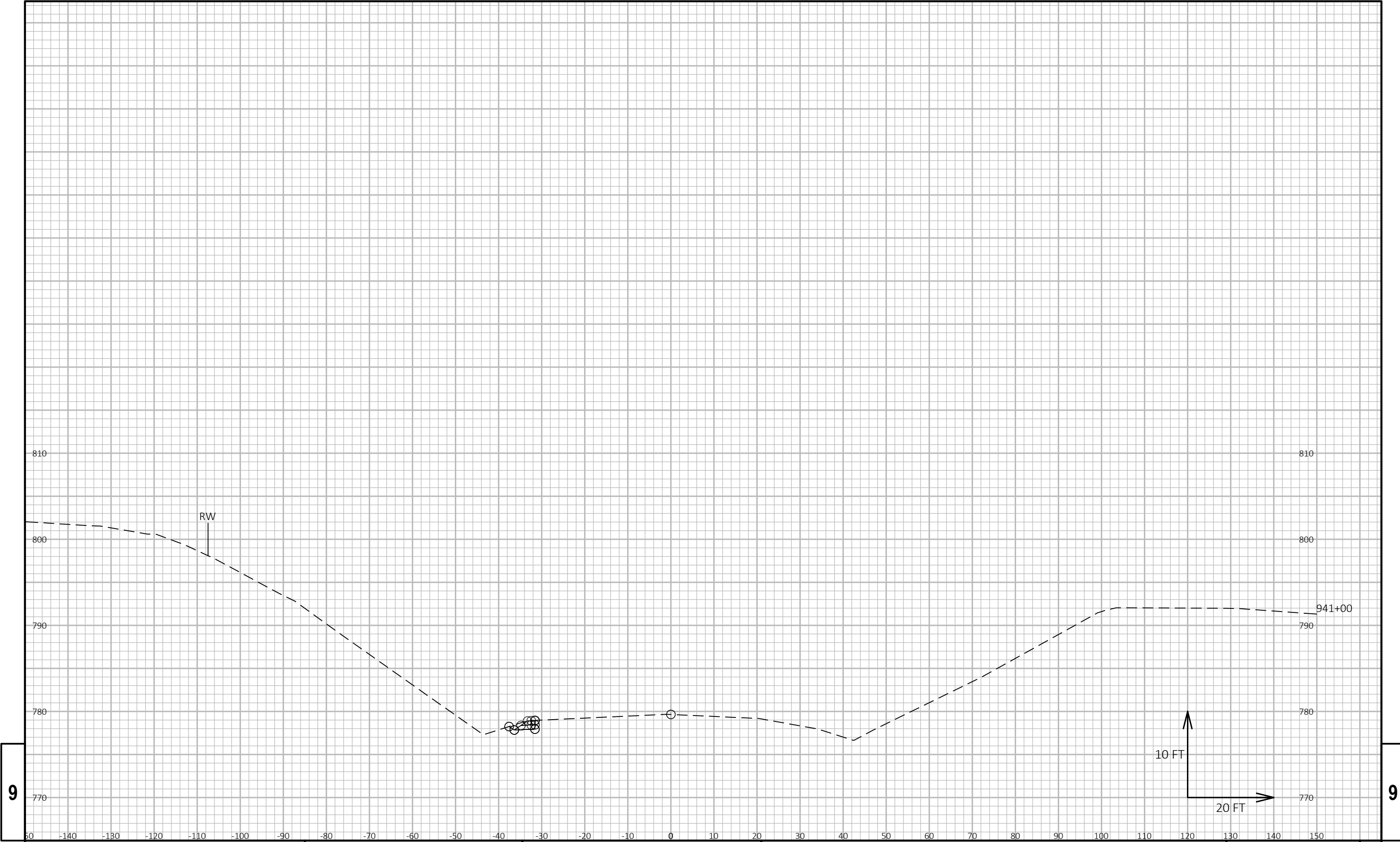
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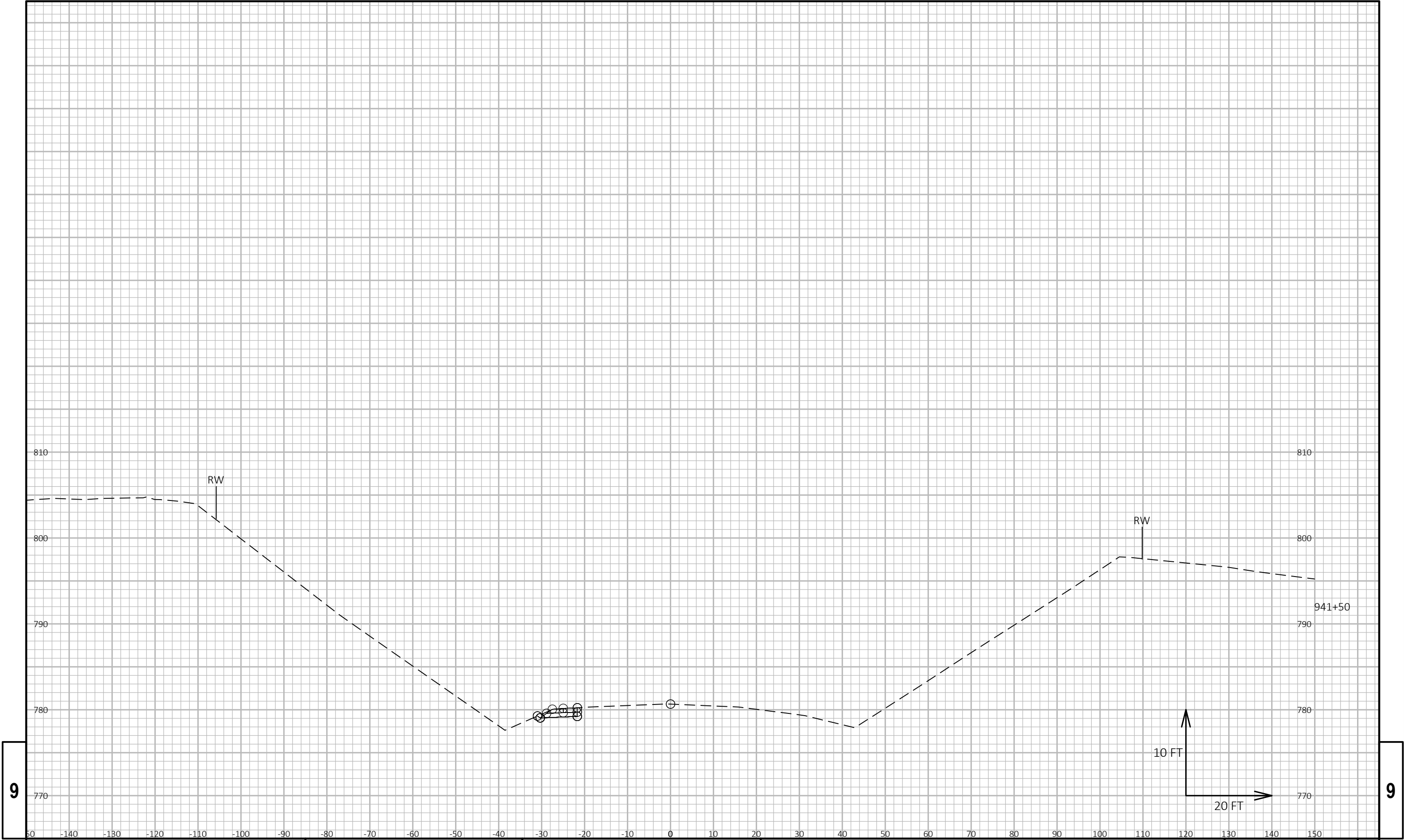
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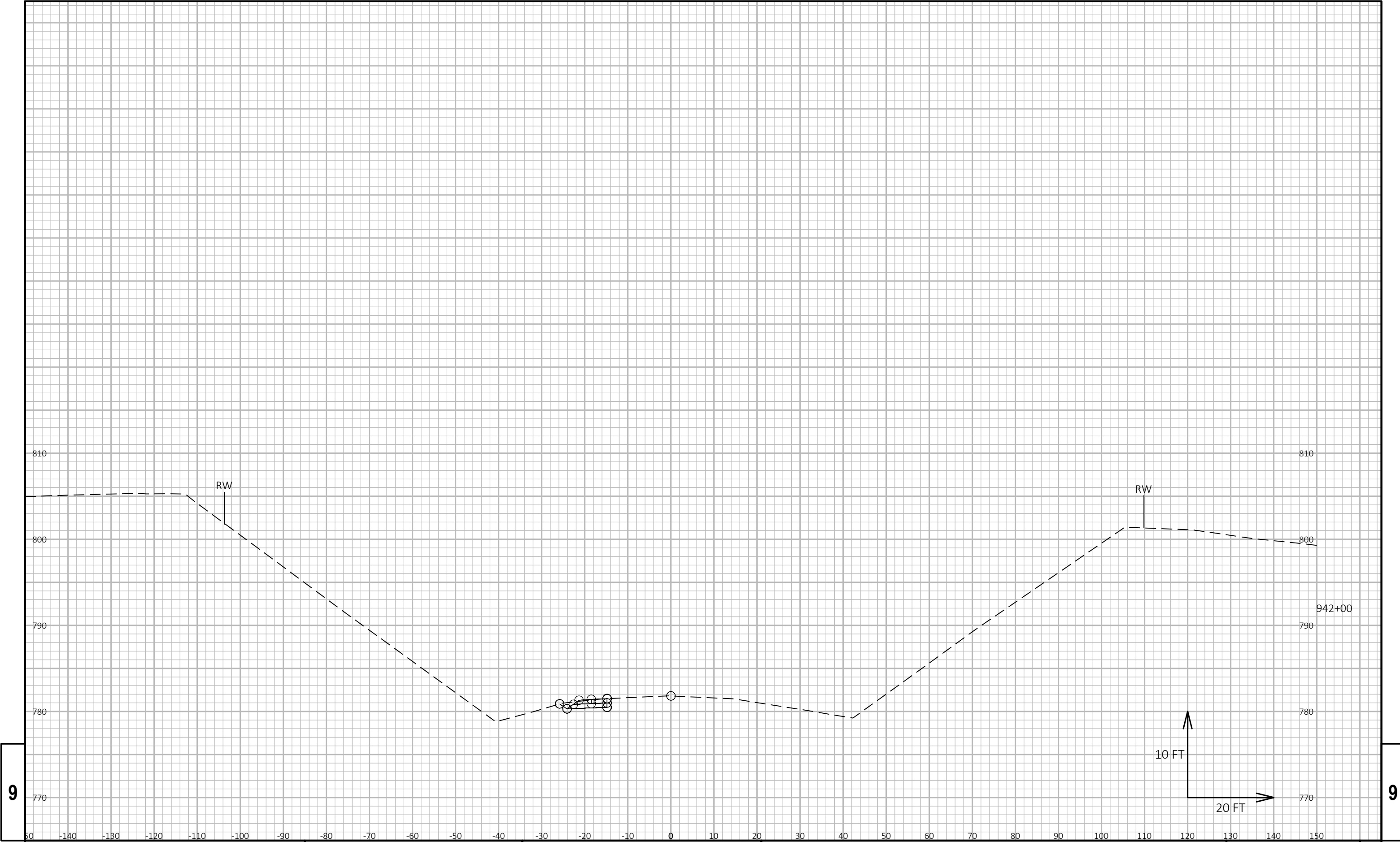
PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: MAIN STREET	SHEET	E
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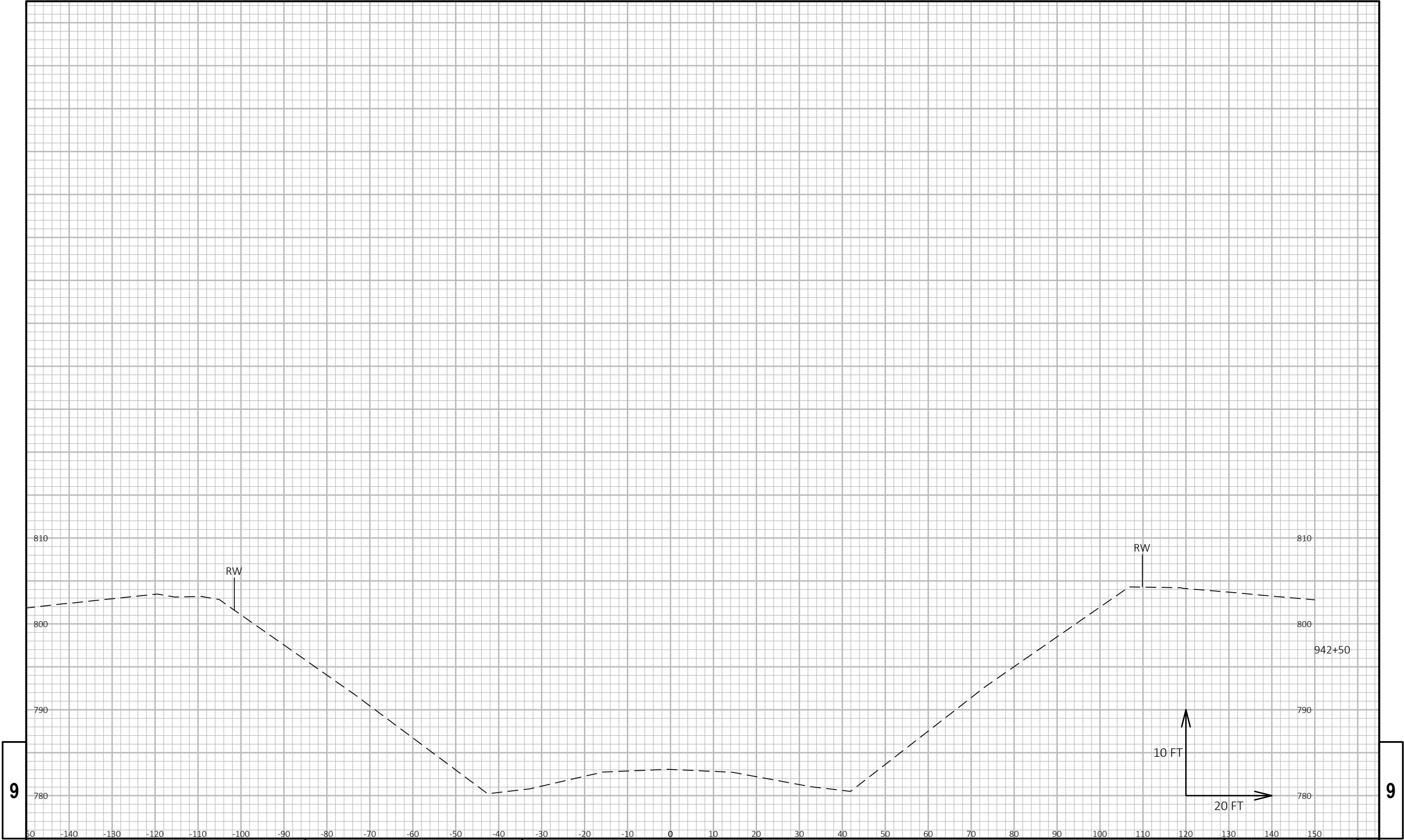


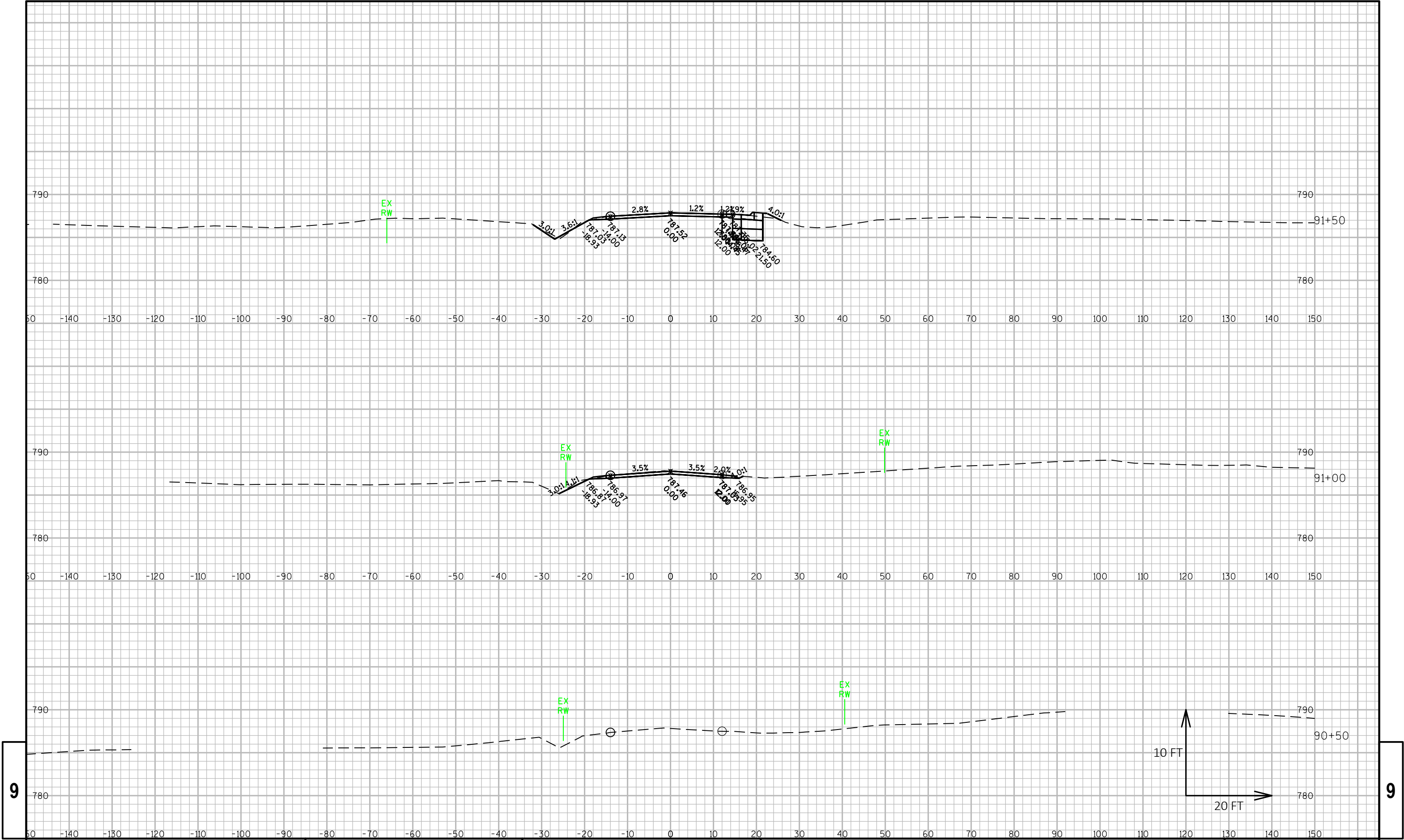


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PROJECT NO: 2240-00-77				HWY: STH 36				COUNTY: RACINE				CROSS SECTIONS: CTH K				SHEET				E
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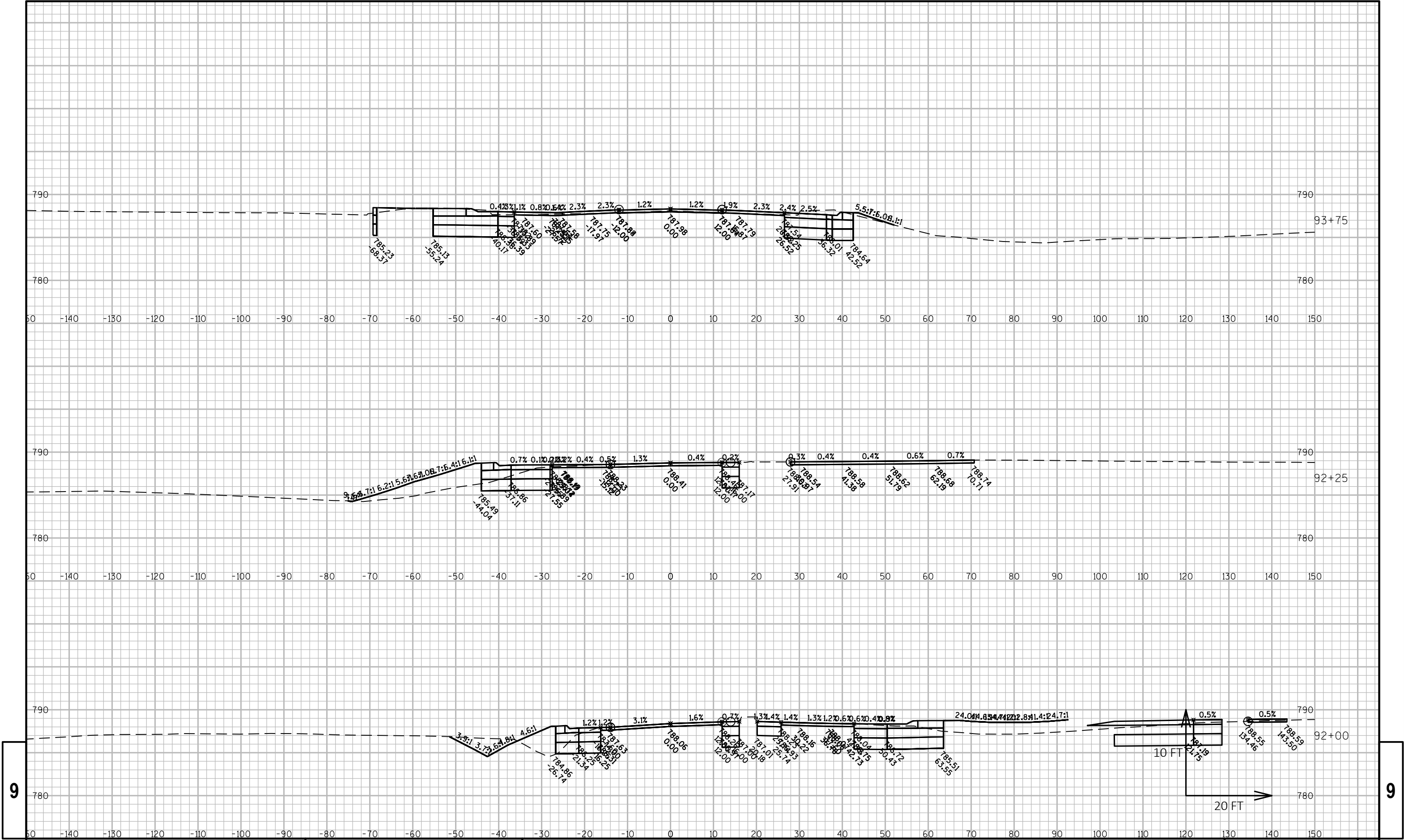




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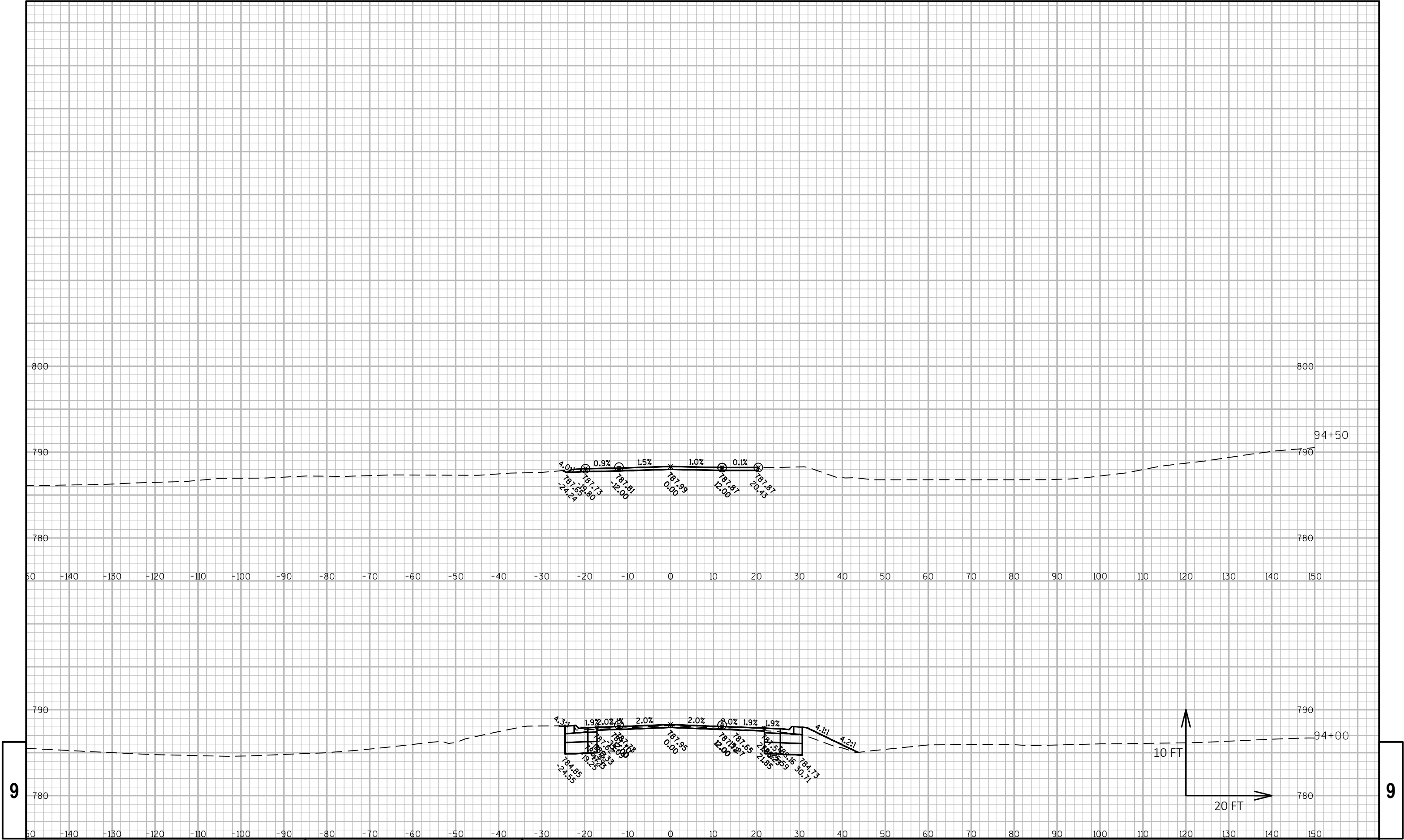
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PROJECT NO: 2240-00-77	HWY: STH 36	COUNTY: RACINE	CROSS SECTIONS: OAK RD / FRIES RD	SHEET	E
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PROJECT NO: 2240-00-77

HWY: STH 36

COUNTY: RACINE

CROSS SECTIONS: OAK RD / FRIES RD

SHEET

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FILE NAME : N:\PDS\C3D\22400007\DESIGN\CORRIDORS\PAVEMENT\CORRIDORS\2400-00-07_STH 36_MAIN ST_CRDR-1_XSEC.DWG
LAYOUT NAME - OAK-FRIES - (3)

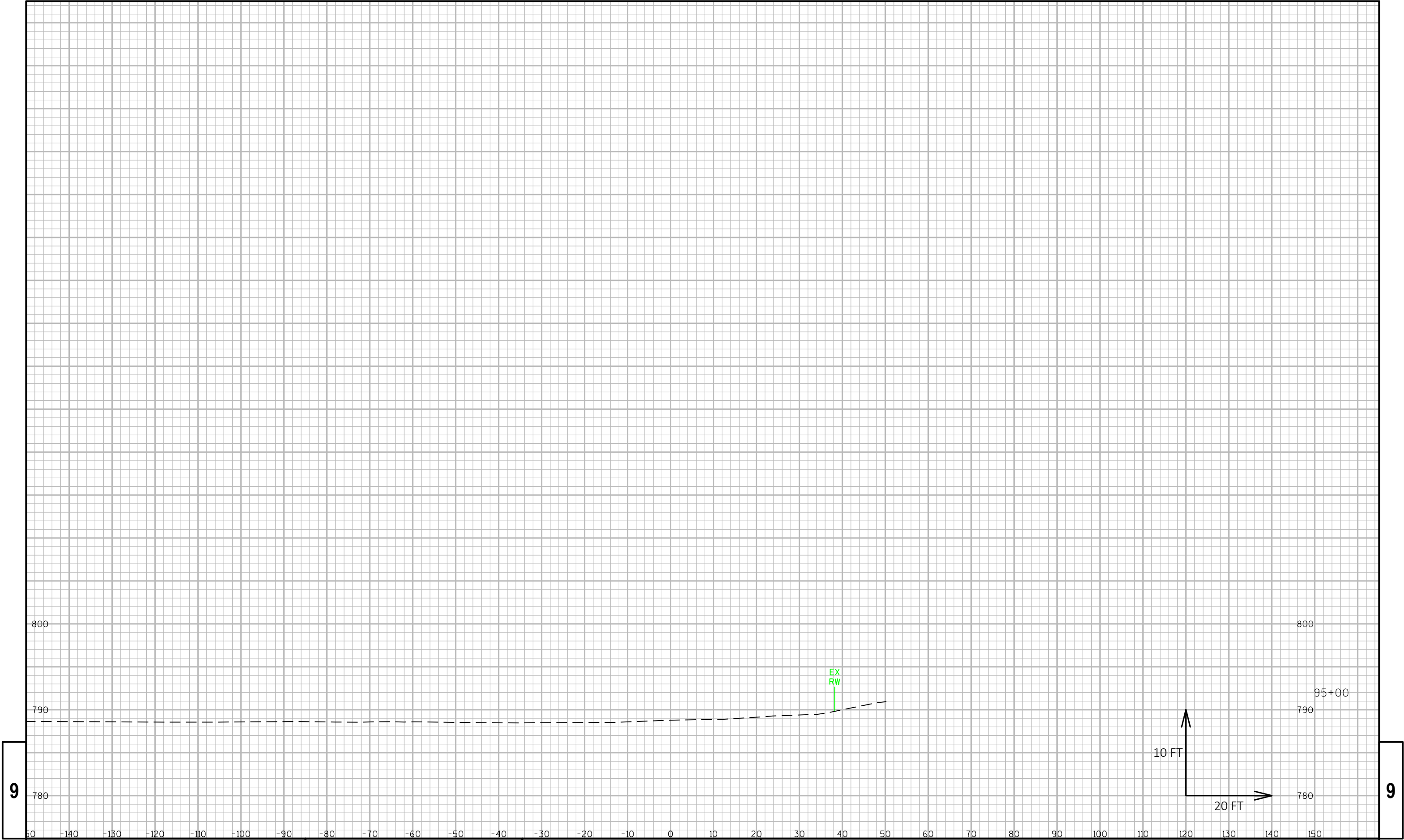
PLOT DATE : 7/9/2018 11:14 AM

PLOT BY : SCHROEDER, JENNIFER

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_250
WISDOT/CADDs SHEET 49



9

9

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a "PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

- 1. Insert this sheet at the end of the plan**
 - a. With the plan open in Acrobat, select Document > Insert Pages.
 - b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
 - c. In the Insert dialog box, choose After for Location and Last page for Page.
 - d. Click OK.
- 2. Click the Place Preliminary Sheet Numbering Tool on**
 - a. Go to the last sheet of the plan.
 - b. Click the Place Preliminary Sheet Numbering Tool on once.
(The preliminary sheet number is placed at the bottom right corner of the sheets.
The number should match the page number in the Acrobat Status bar).
- 3. Re-Save the PDF**
 - a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove