

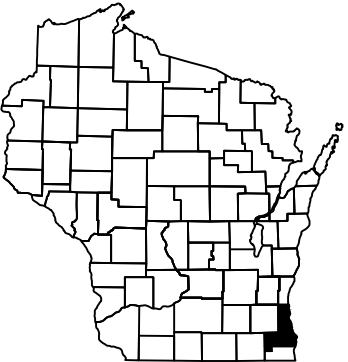
PROJECT ID: 2290-24-70

COUNTY: RACINE & MILWAUKEE

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	STA 35+40 TO 265+00	STA 265+00 TO 293+00	STA 293+00 TO 429+00	STA 429+00 TO 477+23
A.A.D.T. 2021	= 5360	= 9660	= 11,430	= 7360
A.A.D.T. 2045	= 6460	= 11,800	= 12,550	= 8680
D.H.V. 2045	= 633	= 1156	= 1230	= 851
D.D.	= 55/45	= 55/45	= 55/45	= 55/45
T.	= 6.8%	= 6.8%	= 6.8%	= 6.8%
DESIGN SPEED	= 55 MPH	= 40 MPH	= 55 MPH	= 45 MPH
ESALS	= 1034250	= 1877750	= 2098250	= 1403500

CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
	STORM SEWER
	TELEPHONE
MARSH AREA	WATER
	UTILITY PEDESTAL
	POWER POLE
WOODED OR SHRUB AREA	TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

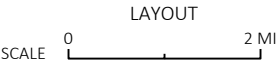
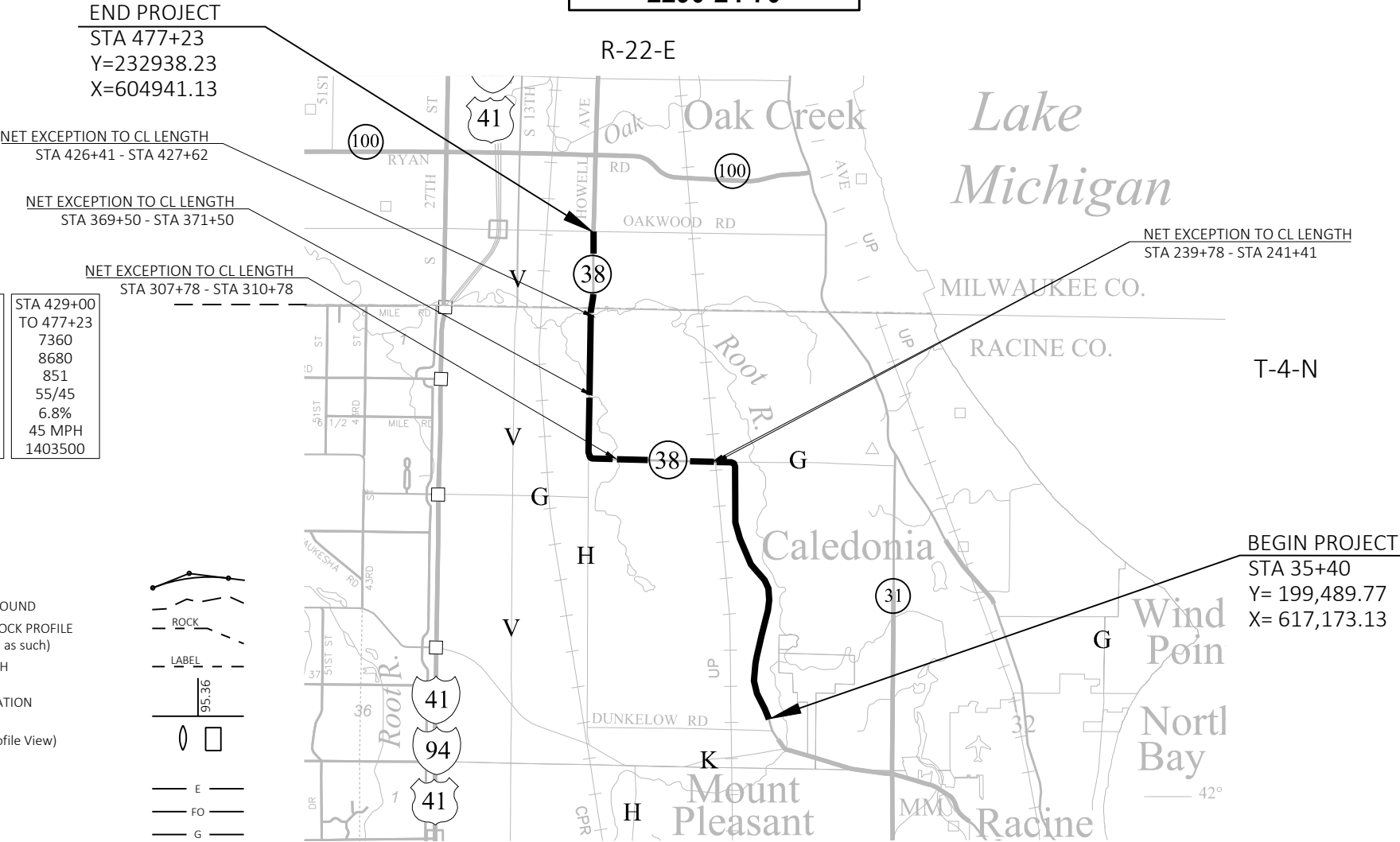
CALEDONIA - OAK CREEK

DUNKELOW RD TO OAKWOOD RD

STH 38

RACINE & MILWAUKEE COUNTY

STATE PROJECT NUMBER
2290-24-70



TOTAL NET LENGTH OF CENTERLINE = 8.219 MILES

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

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2290-24-70		

60% PRELIMINARY PLANS
NOVEMBER 29, 2021

DAAR ENGINEERING, INC.
www.daarcorp.com
Milwaukee, WI 53202
414-225-9817

DATE: _____ (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	DAAR ENGINEERING INC
Designer	DAAR ENGINEERING INC
Project Manager	VIDA SHAFFER, PE
Regional Examiner	
Regional Supervisor	REEM SHAHIN, PE

APPROVED FOR THE DEPARTMENT
DATE: _____ (Signature)

E

GENERAL NOTES

MISCELLANEOUS

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

UNLESS NOTED ON THE PLAN, ALL STATIONS AND OFFSETS ARE BASED OFF OF THE STH 38 REFERENCE LINE.

WITH THE EXCEPTION OF THE RIGHT OF WAY PLAT LOCATIONS, EXISTING RIGHT OF WAY WAS OBTAINED FROM RACINE COUNTY AND MILWAUKEE COUNTY GIS AND SHALL BE CONSIDERED APPROXIMATE.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

DIMENSIONS GIVEN FOR EXISTING FEATURES SHALL BE CONSIDERED AS APPROXIMATE AND MEASURED IN THE FIELD FOR MATCHING PURPOSES.

THE LOCATION OF EXISTING OR PROPOSED UTILITIES, AS NOTED IN THE PLANS, ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS AND SERVICES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPALITY OR PUBLIC AGENT WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

A SAWED JOINT IS REQUIRED WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.

TRAFFIC CONTROL

WHEN TEMPORARY PAVEMENT MARKING REMOVABLE TAPE IS REQUIRED, IT SHALL BE CUT THROUGH ITS FULL WIDTH AND THICKNESS AT 25-FOOT INTERVALS TO CONTROL RAVELING.

SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATIONS AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.

ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER. NO "WORKING" LIGHTS SHALL BE VISIBLE ON A COVERED OR LAID DOWN SIGN.

ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.

EROSION CONTROL

ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY THAT ARE NOT THE RESULT OF CONTRACT ITEMS SHALL BE RESTORED, SEEDED, FERTILIZED, AND MULCHED AT THE CONTRACTOR'S EXPENSE.

EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINED THE DEVICE IS NO LONGER REQUIRED.

RESTORE AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOPSOILED 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 MATERIAL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, APPLY TEMPORARY SEED AND MULCH TO THE STOCKPILE.

WHEN PERFORMING ROADWAY CLEANING OPERATIONS, THE CONTRACTOR SHALL USE EQUIPMENT HAVING VACUUM OR WATER SPRAY MECHANISMS TO ELIMINATE THE DISPERSION OF DUST. IF VACUUM EQUIPMENT IS EMPLOYED, IT SHALL HAVE SUITABLE SELF-PARTICULATE COLLECTORS TO PREVENT DISCHARGE FROM THE COLLECTION BIN TO THE ATMOSPHERE.

SEE PROJECT SPECIAL PROVISIONS FOR ADDITIONAL EROSION CONTROL REQUIREMENTS TO BE FOLLOWED

HMA PAVEMENT

HMA PAVEMENT QUANTITIES WERE CALCULATED USING 118 LBS/SY-IN

STANDARD ABBREVIATIONS

AGG	AGGREGATE
ASPH	ASPHALT
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
PE	PRIVATE ENTRANCE
FE	FIELD ENTRANCE

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES & CONTACTS
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- CURB RAMP DETAILS
- PLAN DETAILS
- EROSION CONTROL
- PERMANENT SIGNING
- TRAFFIC SIGNALS
- PAVEMENT MARKING
- TRAFFIC CONTROL
- ALIGNMENT DETAILS
- SURVEY CONTROL

CONSTRUCT HMA PAVEMENT WITH THE FOLLOWING LAYERS:

PAVEMENT LOCATIONS (SEE TYPICAL SECTIONS FOR EXACT STATIONS)	ASPHALTIC SURFACE MILLING DEPTH	TOTAL PAVEMENT THICKNESS	TYPE
DUNKELOW ROAD TO OAKWOOD ROAD	2"	2" UPPER	4 MT 58-28 S

UTILITIES AND CONTACTS

KENNETH COLWELL
AT&T LEGACY
222 W JACKSON
WOODSTOCK, IL 60098
(312) 734-2223
kc1298@att.com

DALE DEFEVER
AT&T LOCAL NETWORK
39869 LINN ST
CANTON, MI 48147
(586) 242-2671
dd2579@att.com

MIKE VANBOVEN
AT&T WISCONSIN
411 7TH STREET
RACINE, WI 53403
(262) 676-3958
my3658@att.com

TONY MARCINIAK
ATC MANAGEMENT INC.
W234 N2000 RIDGEVIEW PARKWAY CT
PO BOX 47
WAUKESHA, WI 53187-0047
(262) 506-6814
amarciniak@atcllc.com

TONY BUNKELMEN
CALEDONIA STORM SEWER UTILITY COMMISSION
SANITARY & STORM SEWER
333 4 1/2 MILE ROAD
RACINE, WI 53402
(262) 898-2600
abunkelman@caledoniawi.com

GENERAL MAILBOX CENTURYLINK NATIONAL OSP RELOC
CENTURY COMMUNICATIONS, LLC
CenturylinkNationalOSPRelocation@centurylink.com

BEUA ABUYA
CHARTER COMMUNICATIONS
1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
(414) 908-1343
wis.engineering@charter.com

MATTHEW SULLIVAN
CITY OF OAK CREEK - ROADWAYS & STREET LIGHTING
8640 S HOWELL AVE
OAK CREEK, WI 53154
(414) 768-6534
msullivan@oakcreekwi.org

BRIAN JOHNSTON
OAK CREEK WATER AND SEWER UTILITY -
SANITARY SEWER & WATER
170 W. DREXEL AVE
OAK CREEK, WI 53154
(414) 570-8210
bjohnston@water.oak-creek.wi.us

DAN HILLIARD
SPRINT COMMUNICATIONS CO LP
849 EARL ST
SAINT PAUL, MN 55106
(612) 217-3526
dan.i.hilliard@sprint.com

MICHAEL SWEET
TDS METROCOM LLC
525 JUNCTION RD
MADISON, WI 53717
(608) 664-4539
Michael.Sweet@tdstelecom.com

TONY BUNKELMEN
VILLAGE OF CALEDONIA - WATER
333 4 1/2 MILE ROAD
RACINE, WI 53402
(262) 898-2600
abunkelman@caledoniawi.com

ERIC PEREA
WISCONSIN DOT - STREET LIGHTING
141 NW BARSTOW STREET
WAUKESHA, WI 53188
(262) 574-5422
Eric.Perea@dot.wi.gov

DERRIN WOLFORD
WISCONSIN DOT - TRAFFIC SIGNALS
141 NW BARSTOW STREET
WAKESHA, WI 53188
(262) 521-4409
derrin.wolford@dot.wi.gov

WE ENERGIES UTILITY COORDINATOR
WE ENERGIES - ELECTRICITY & GAS
500 S 116TH STREET
WEST ALLIS, WI 53214
(414) 221-2738
We-Utility-relocations@we-energies.com

SEWRPC CONTACT

ROB MERRY
W239 N 1812 ROCKWOOD DRIVE
PO BOX 1607
WAUKESHA, WI 53187-1607
(262) 953-4289
sewrp@sewrpc.org

WISDNR CONTACT

BENTON STELZEL
141 NW BARSTOW STREET, ROOM 180
WAUKESHA, WI 53188
(262) 623-0194
benton.stelzel@wisconsin.gov

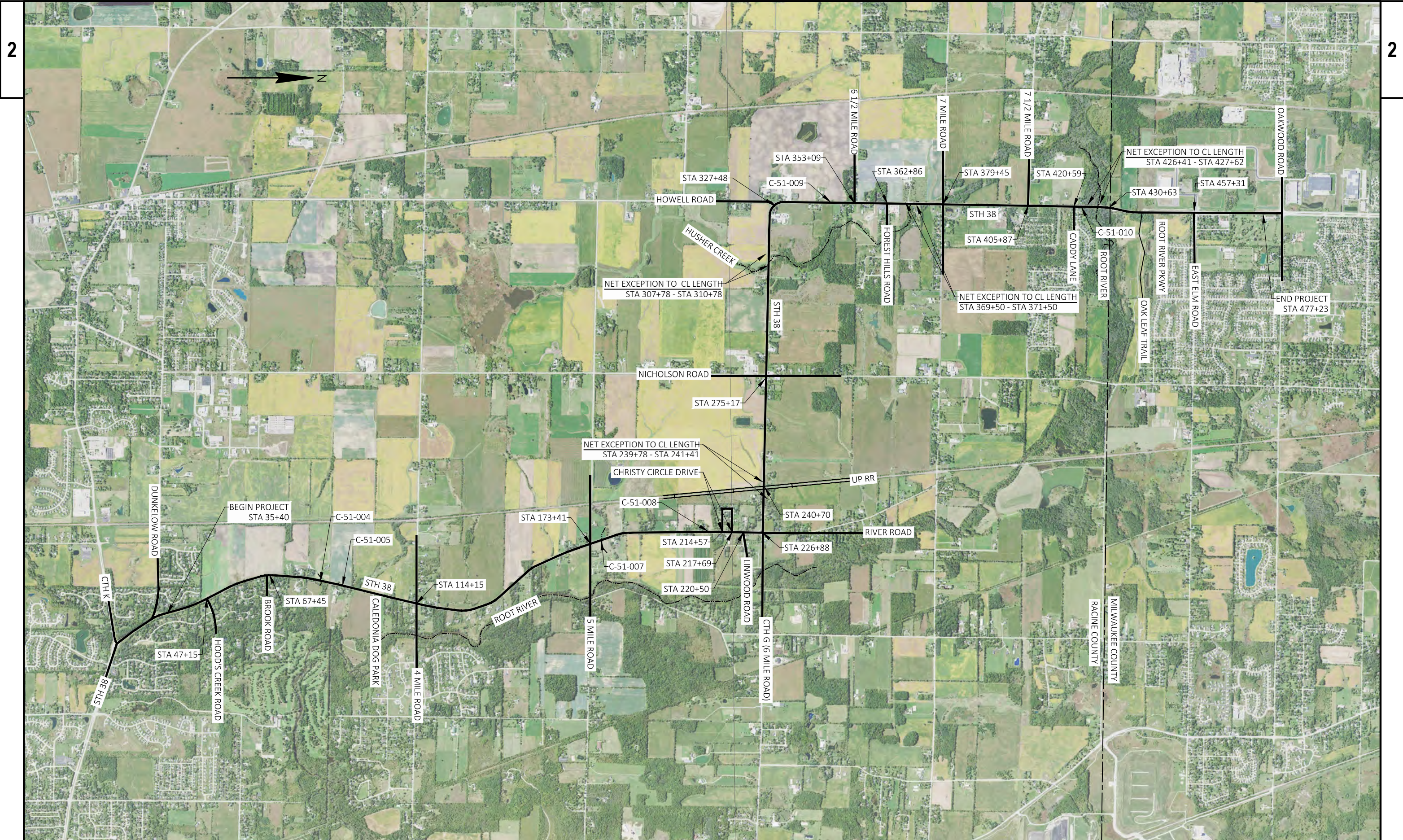
OTHER CONTACTS

WISDOT SE REGION
VIDA SHAFFER, PE; PROJECT MANAGER
141 NW BARSTOW ST
WAUKESHA, WI 53187
(262) 548-6766
vida.shaffer@dot.wi.gov

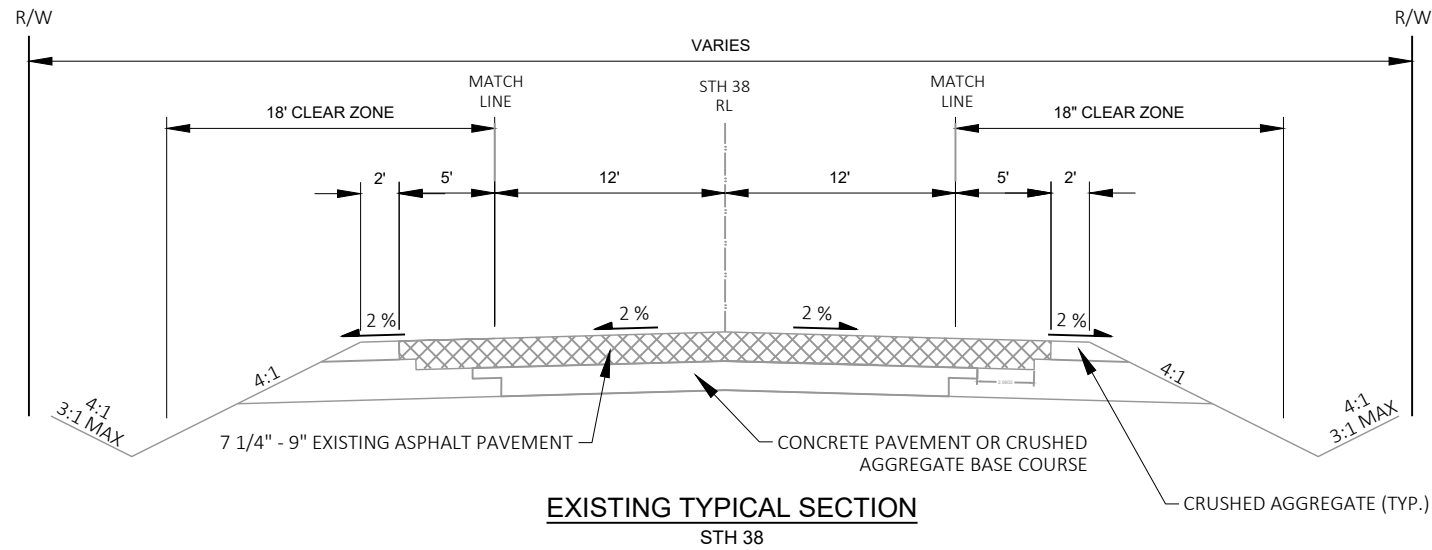
DAAR ENGINEERING, INC
ANDY SMIEJA, PE
518 W CHERRY ST
MILWAUKEE, WI 53212 (414) 935-4350
andy.smieja@daarcorp.com



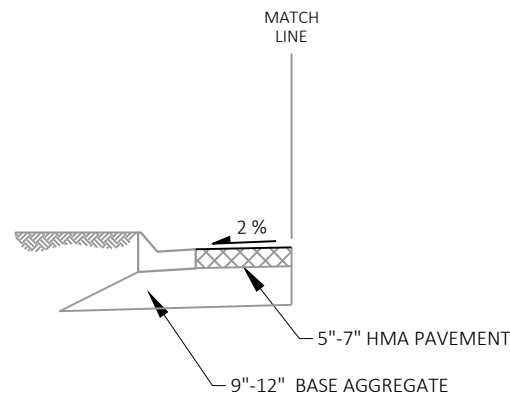
Dial  or (800)242-8511
www.DiggersHotline.com



PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PROJECT OVERVIEW	SHEET	E
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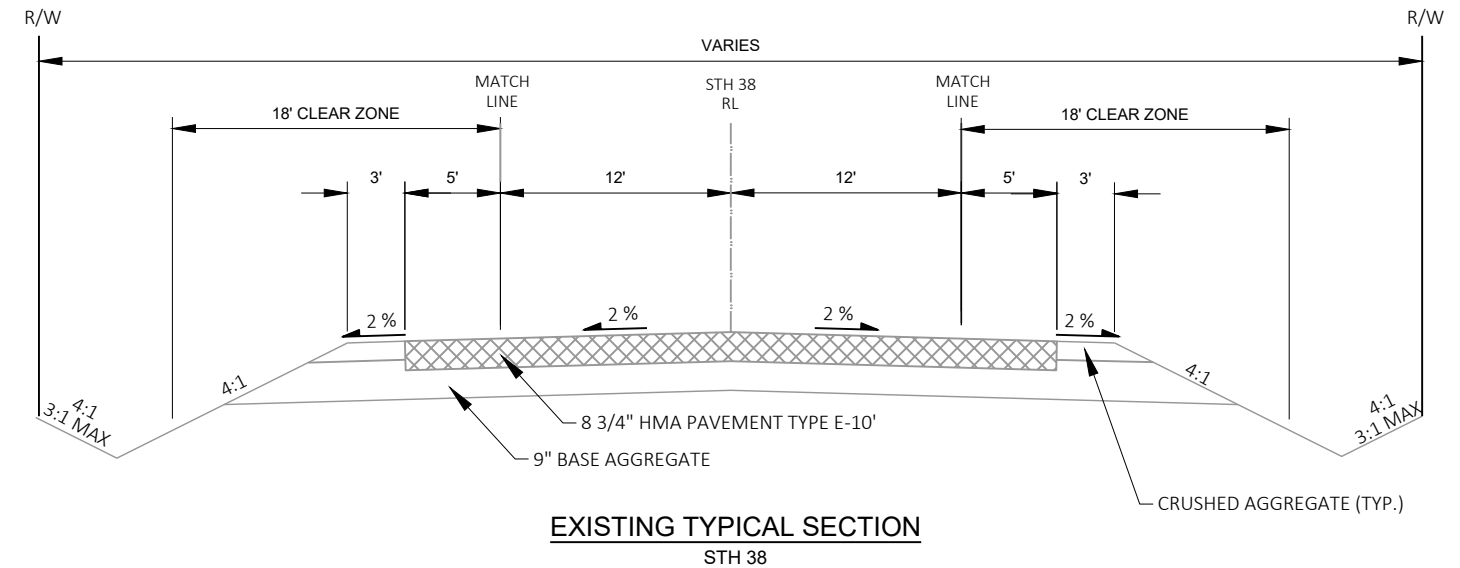


STA 35+40 - STA 108+00
STA 124+00 - STA 191+00
STA 196+00 - STA 220+00
STA 233+13 - STA 307+78
STA 310+78 - STA 320+28
STA 338+28 - STA 369+28
STA 387+03 - STA 477+23

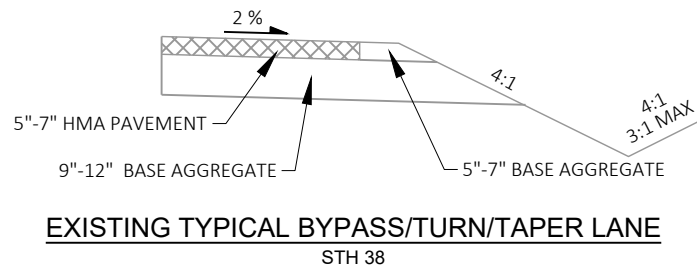


LT SHOWN, RT IS MIRROR IMAGE

STA 117+74.7 - STA 119+81 LT
STA 322+27 - STA 332+27 RT
STA 326+82 - STA 331+09 LT
STA 433+87.5 - STA 444+58 LT



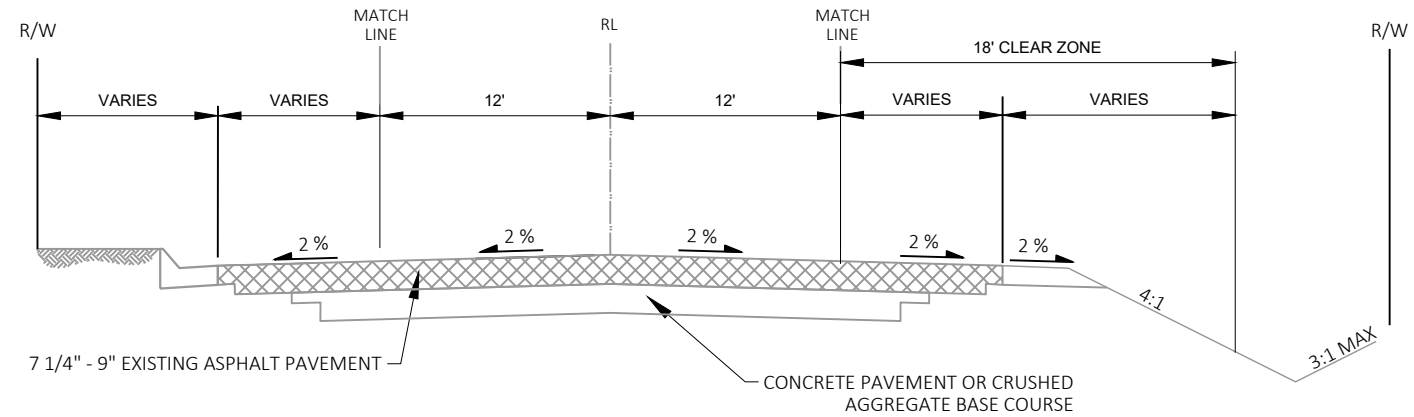
STA 105+13 - STA 124+00
STA 191+00 - STA 196+00
STA 220+00 - STA 233+13
STA 307+78 - STA 310+78
STA 320+28 - STA 338+28
STA 369+28 - STA 387+03



RT SHOWN, LT IS MIRROR IMAGE

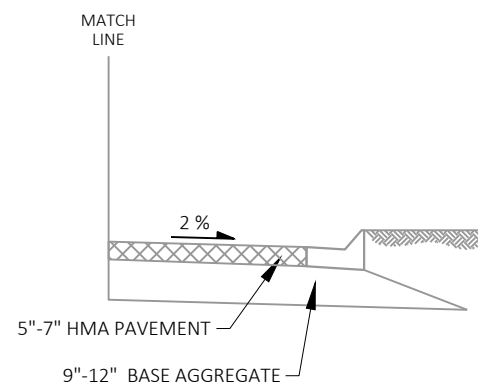
STA 43+52.5 - STA 48+28 RT
STA 45+60 - STA 49+20 LT
STA 63+37.5 - STA 68+75 RT
STA 63+85 - STA 70+55 LT
STA 111+15 - STA 115+85 RT
STA 112+70 - STA 116+55 LT
STA 121+00 - STA 124+00 LT
STA 121+17 - STA 124+00 RT
STA 169+62.5 - STA 174+70 RT
STA 172+10 - STA 177+20 LT

STA 213+05 - STA 220+00 RT
STA 213+75 - STA 218+75 LT
STA 267+08 - STA 283+18 RT
STA 267+98 - STA 282+58 LT
STA 360+50 - STA 363+98 RT
STA 403+03 - STA 408+88 RT
STA 416+66 - STA 421+46 RT
STA 417+58 - STA 422+92 LT
STA 464+33 - STA 470+11 LT
STA 464+99 - STA 468+28 RT



**EXISTING TYPICAL SECTION
SIDE ROAD**

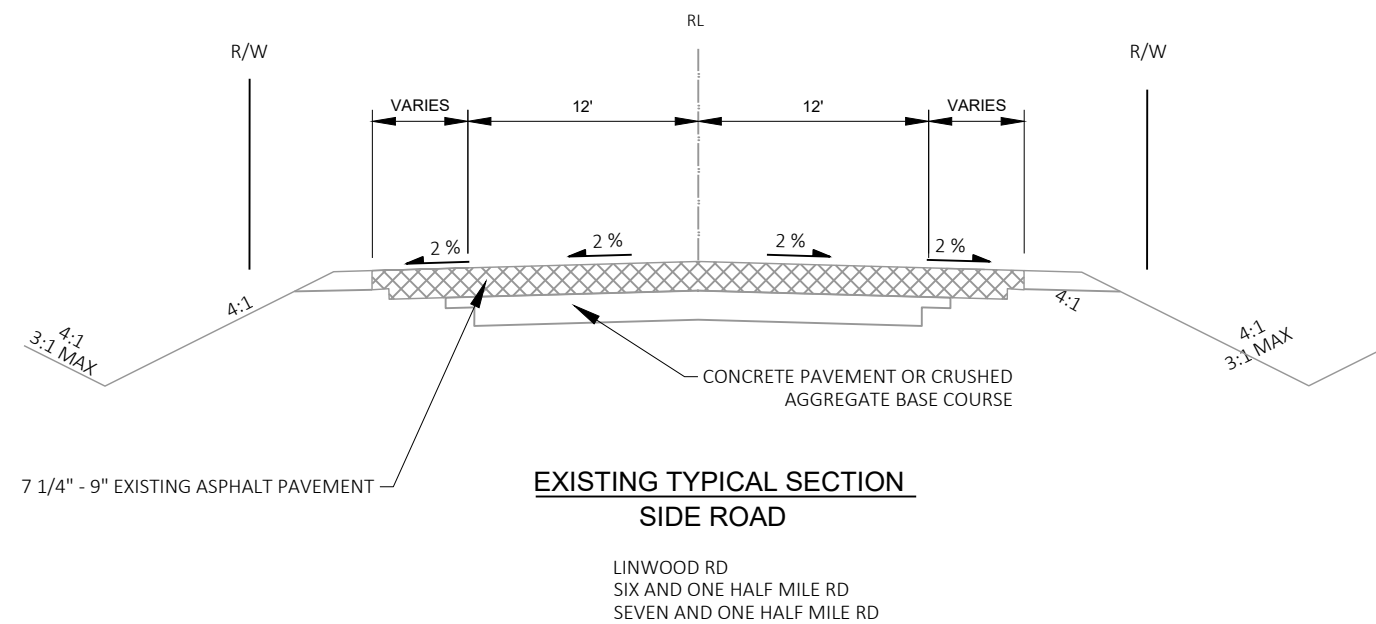
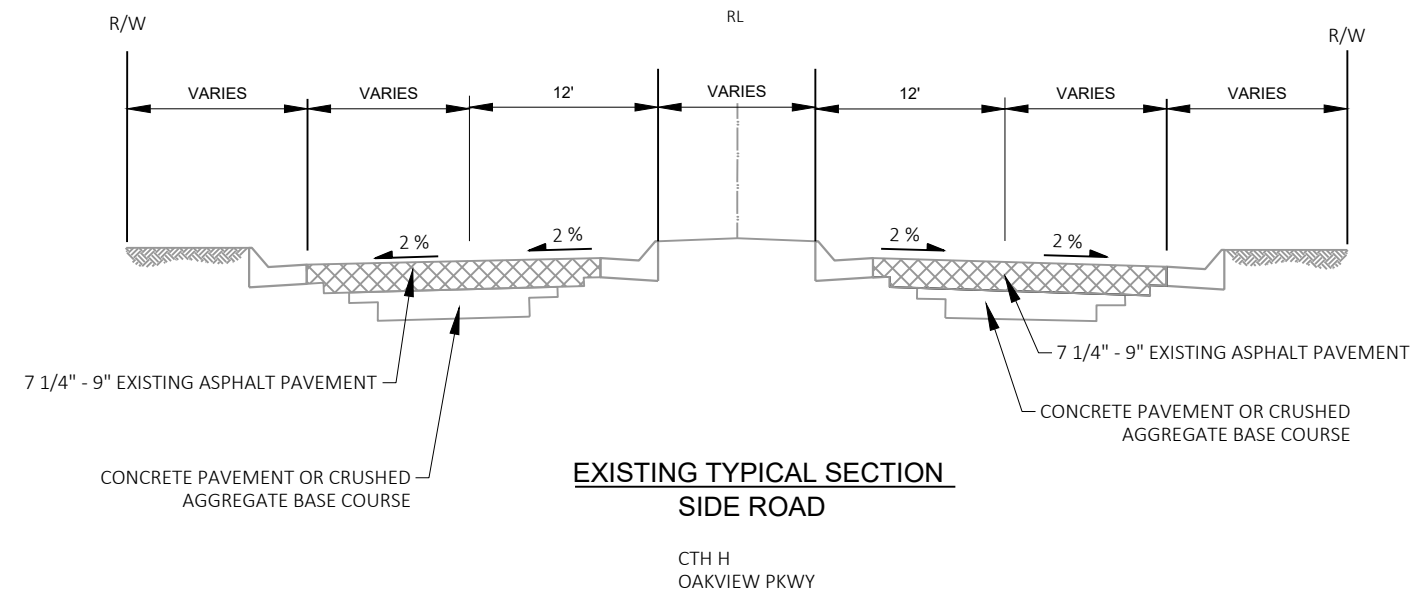
HOODS CREEK RD
BROOK RD
FOUR MILE RD
FIVE MILE RD
SIX MILE RD
NICHOLSON RD
SEVEN MILE RD
FOREST HILLS RD
CADDY LN
E ELM RD

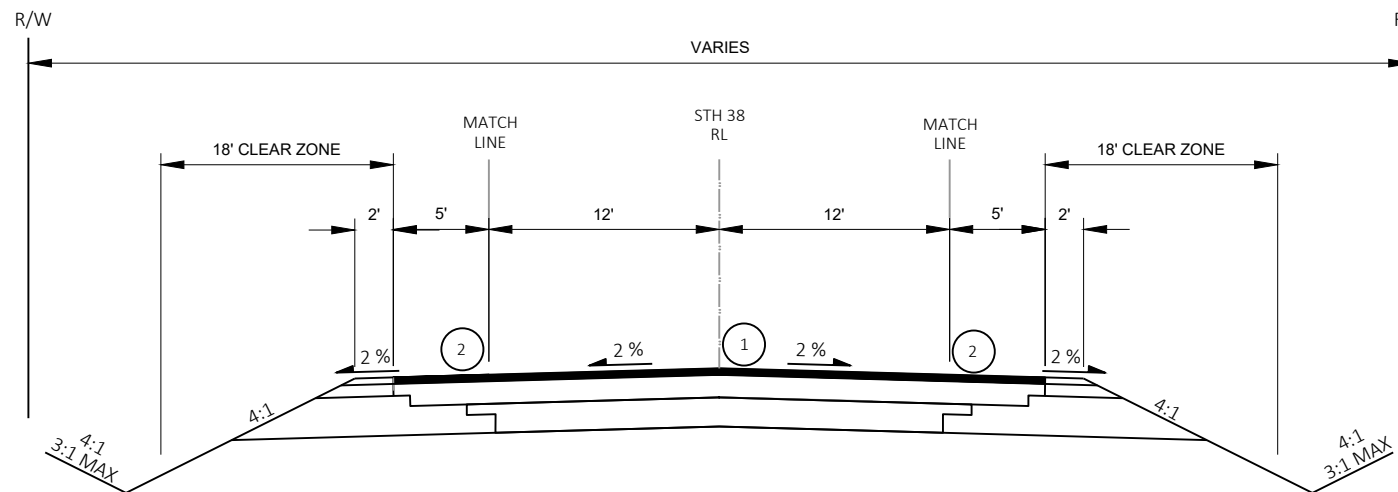


**EXISTING TYPICAL TURN LANE
SIDE ROAD**

RT SHOWN, LT IS MIRROR IMAGE

FOUR MILE RD
FIVE MILE RD
SIX MILE RD
SEVEN MILE RD
E ELM RD



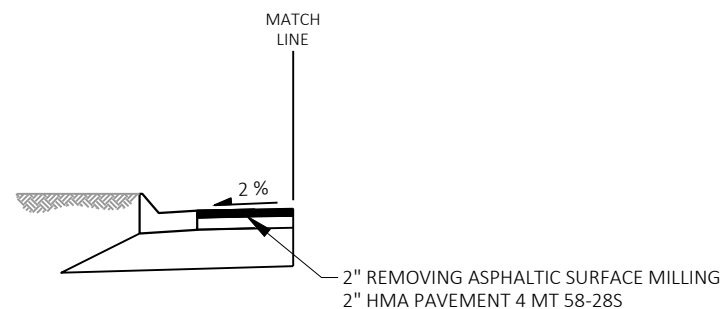


FINISHED TYPICAL SECTION

STH 38

STA 35+40 - STA 108+00
STA 124+00 - STA 191+00
STA 196+00 - STA 220+00
STA 233+13 - STA 307+78
STA 310+78 - STA 320+28
STA 338+28 - STA 369+28
STA 372+28 - STA 477+23 *

- 1 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL
- 2 ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL (TYPE 1)
- * NO ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL AND NO ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL (TYPE 1) IN MILWAUKEE COUNTY. COUNTY LINE STA. 430+63

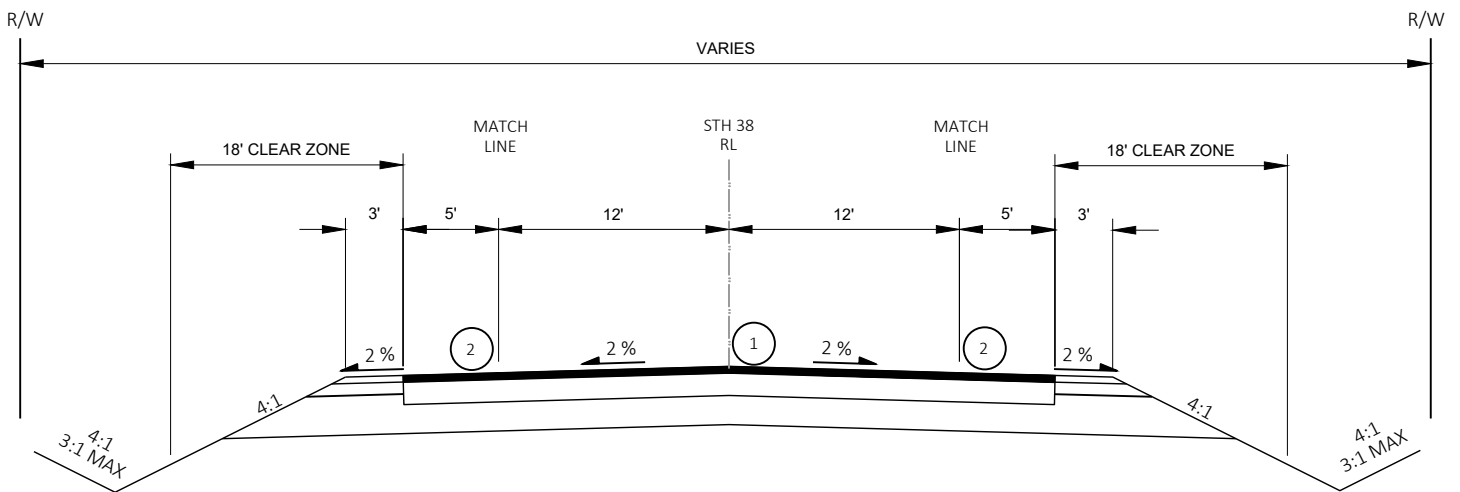


FINISHED TYPICAL CURB & GUTTER

STH 38

RT SHOWN, LT IS MIRROR IMAGE

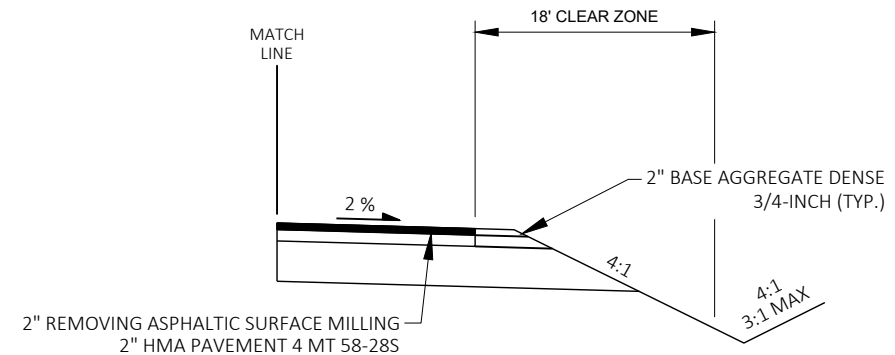
STA 117+74.7 - STA 119+81 LT
STA 322+27 - STA 332+27 RT
STA 326+82 - STA 331+09 LT
STA 433+87.5 - STA 444+58 LT



FINISHED TYPICAL SECTION

STH 38

STA 105+13 - STA 124+00
STA 191+00 - STA 196+00
STA 220+00 - STA 233+13
STA 307+78 - STA 310+78
STA 320+28 - STA 338+28
STA 369+28 - STA 387+03



FINISHED TYPICAL BYPASS/TURN/TAPER LANE

STH 38

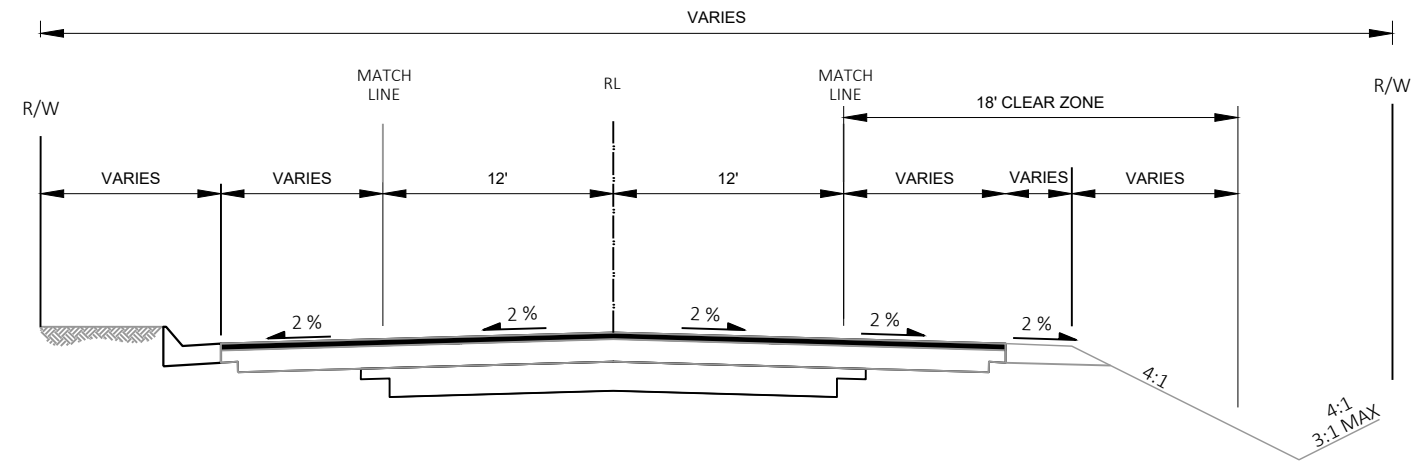
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STA 45+60 - STA 49+20 LT
STA 63+37.5 - STA 68+75 RT
STA 63+85 - STA 70+55 LT
STA 111+15 - STA 115+85 RT
STA 112+70 - STA 116+55 LT
STA 121+00 - STA 124+00 LT
STA 121+17 - STA 124+00 RT
STA 169+62.5 - STA 174+70 RT
STA 172+10 - STA 177+20 LT

STA 213+05 - STA 220+00 RT
STA 213+75 - STA 218+75 LT
STA 266+81 - STA 283+36 RT
STA 267+98 - STA 283+36 LT
STA 360+50 - STA 363+98 RT
STA 403+03 - STA 408+95 RT
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STA 464+33 - STA 470+11 LT
STA 464+99 - STA 468+28 RT

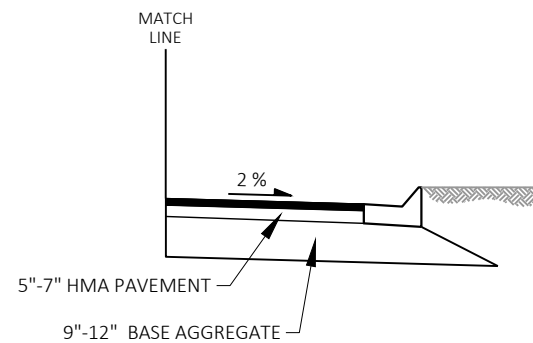
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2 |



FINISHED TYPICAL SECTION
SIDE ROAD

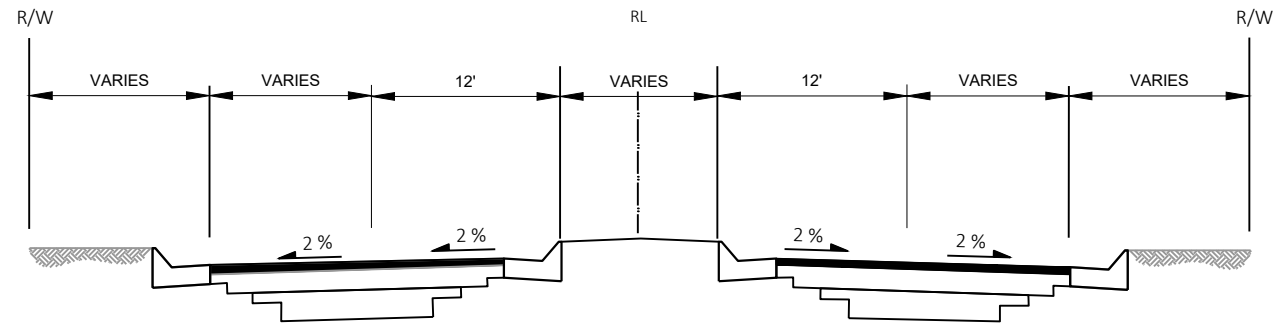
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BROOK RD
FOUR MILE RD
FIVE MILE RD
SIX MILE RD
NICHOLSON RD
SEVEN MILE RD
FOREST HILLS RD
CADDY LN
E ELM RD



FINISHED TYPICAL TURN LANE SIDE ROAD

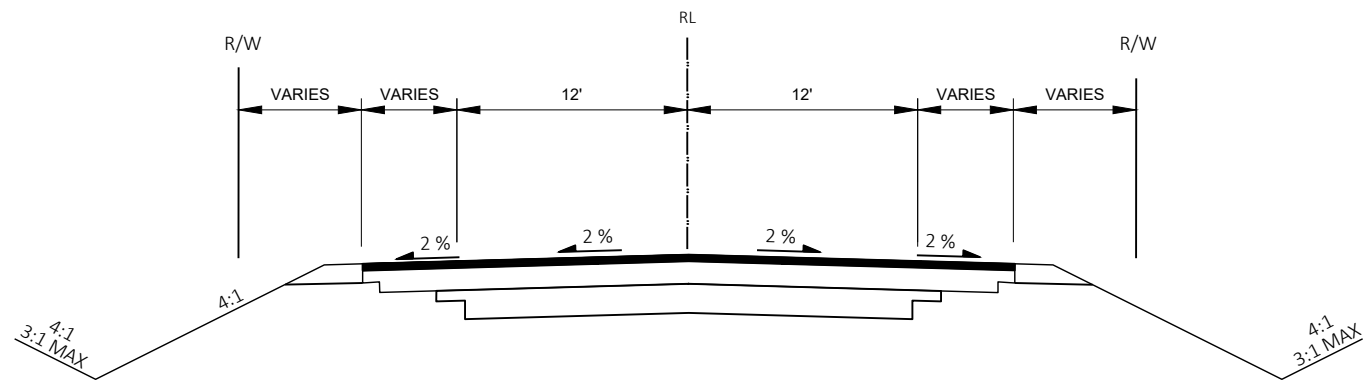
RT SHOWN, LT IS MIRROR IMAGE

FOUR MILE RD
FIVE MILE RD
SIX MILE RD
SEVEN MILE RD
E ELM RD



FINISHED TYPICAL SECTION
SIDE ROAD

CTH H
OAKVIEW PKWY



FINISHED TYPICAL SECTION
SIDE ROAD

LINWOOD RD
SIX AND ONE HALF MILE RD
SEVEN AND ONE HALF MILE RD

EXISTING R/W

ADD RIP RAP

STA 84+93.00
C-51-004 BOX CULVERT
48" X 60" CONCRETE
E INV: 663.44
W INV: 662.95
FLOWS EAST

ADD RIP RAP

EXISTING R/W

STH 38

PROJECT NO: 2290-24-70

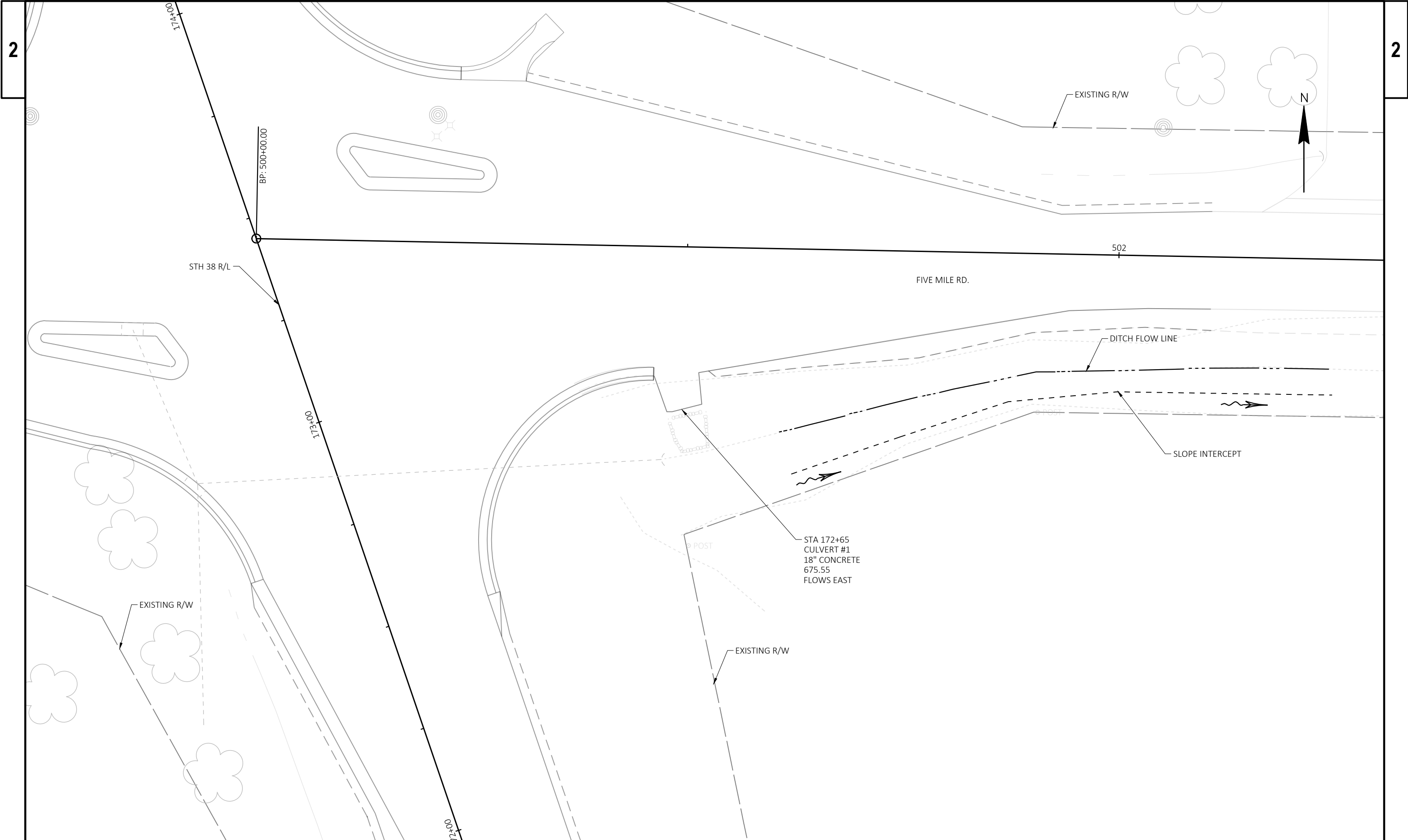
HWY: STH 38

COUNTY: RACINE & MILWAUKEE

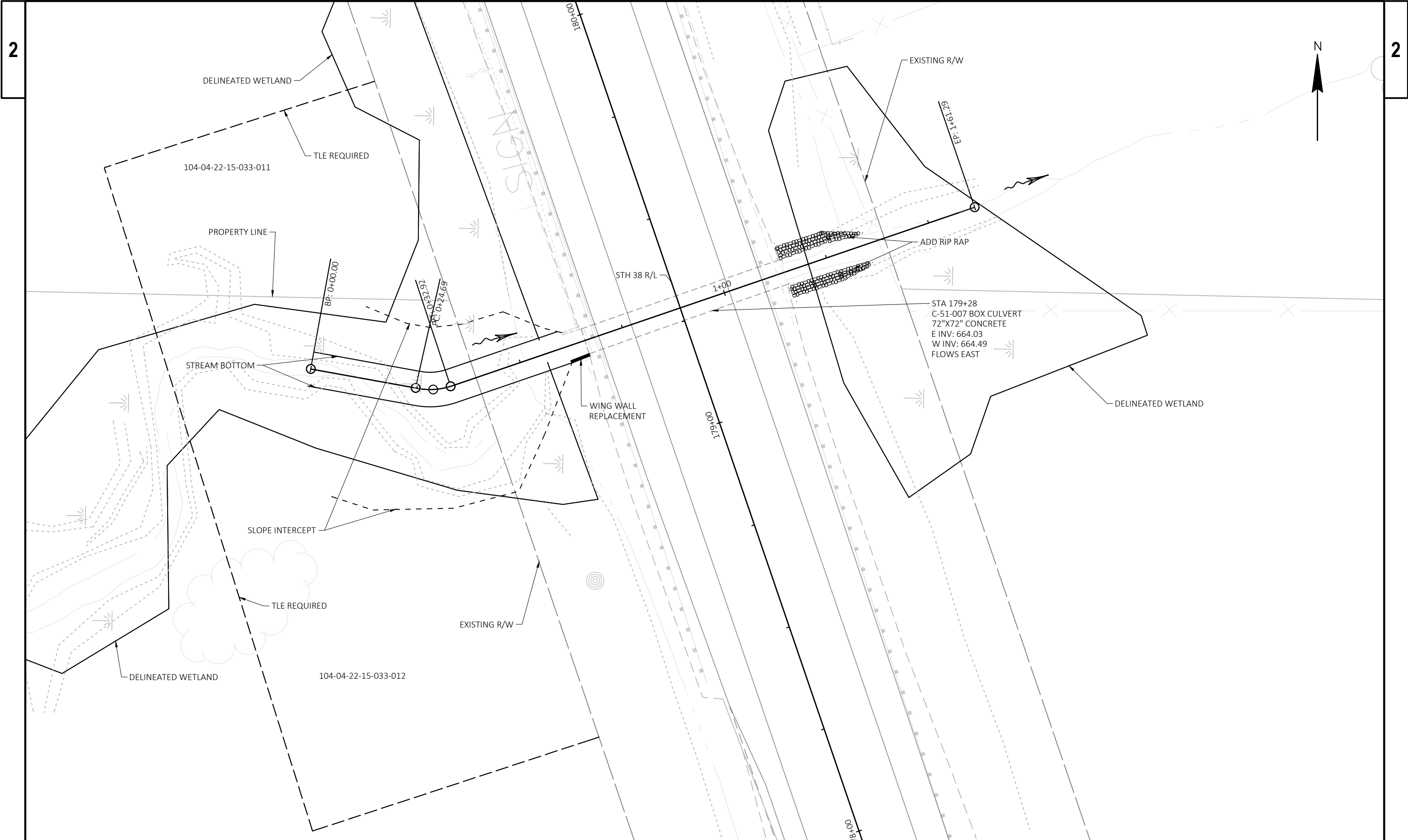
PLAN DETAIL - C-51-004

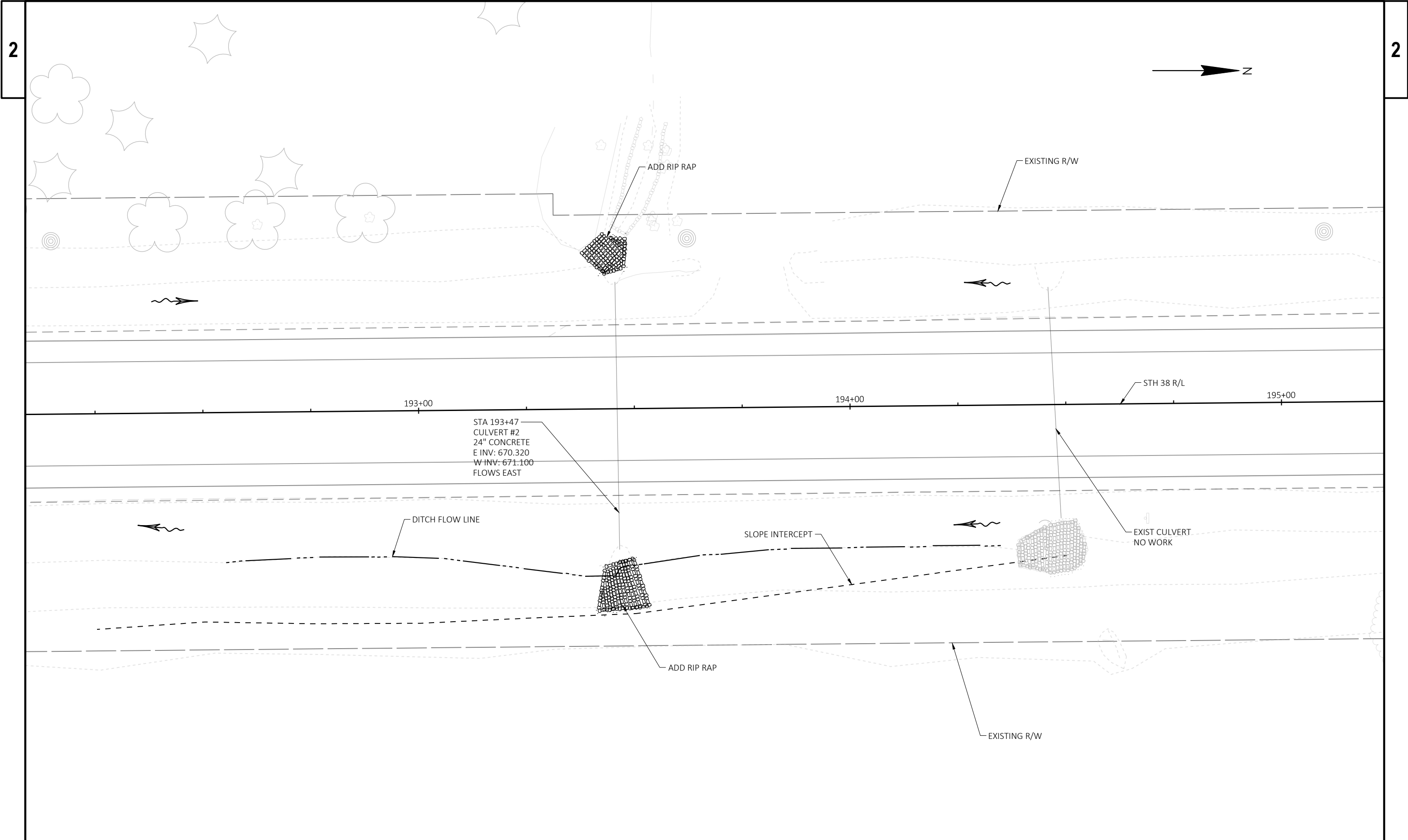
SHEET

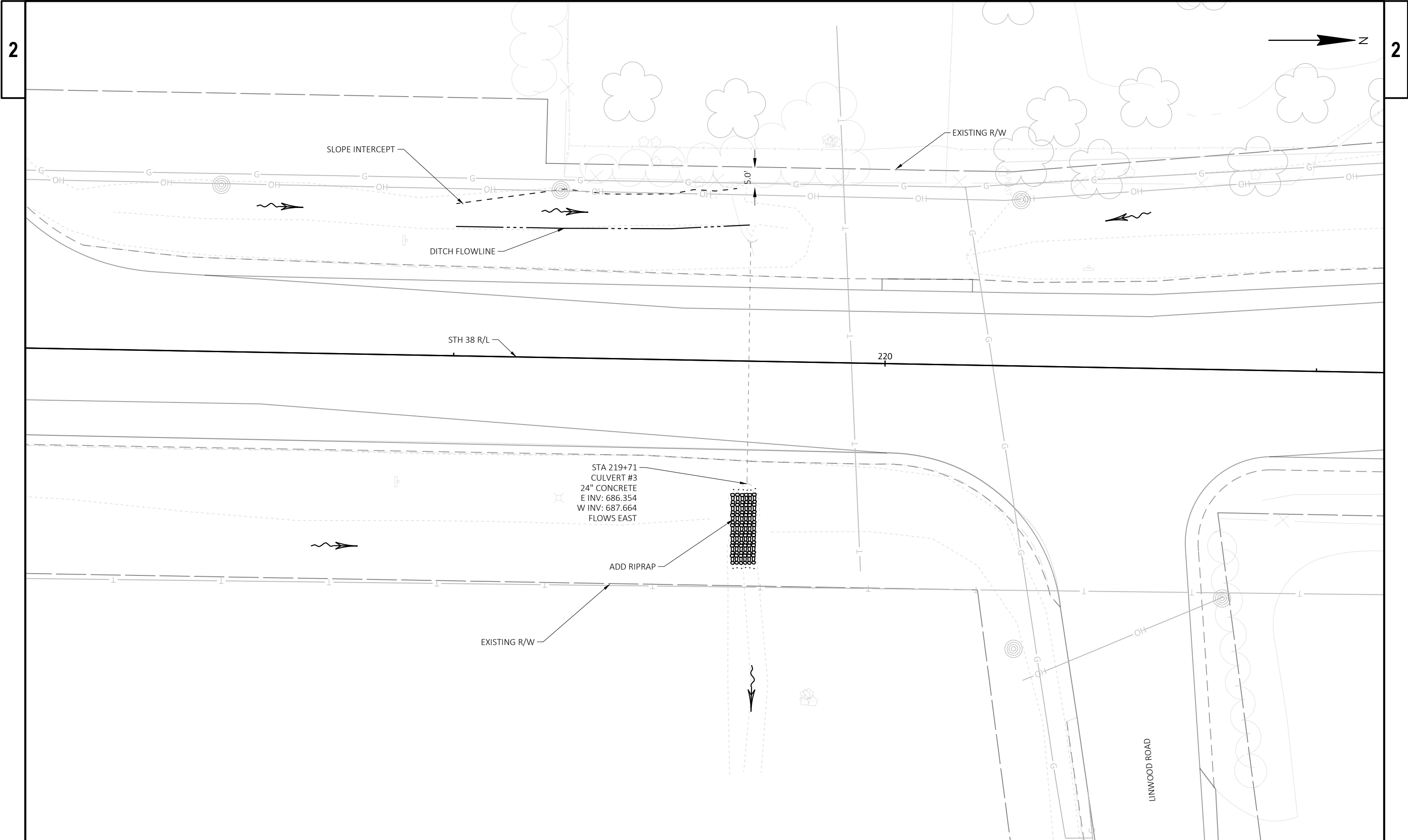
E



PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PLAN DETAIL- CULVERT #1	SHEET	E
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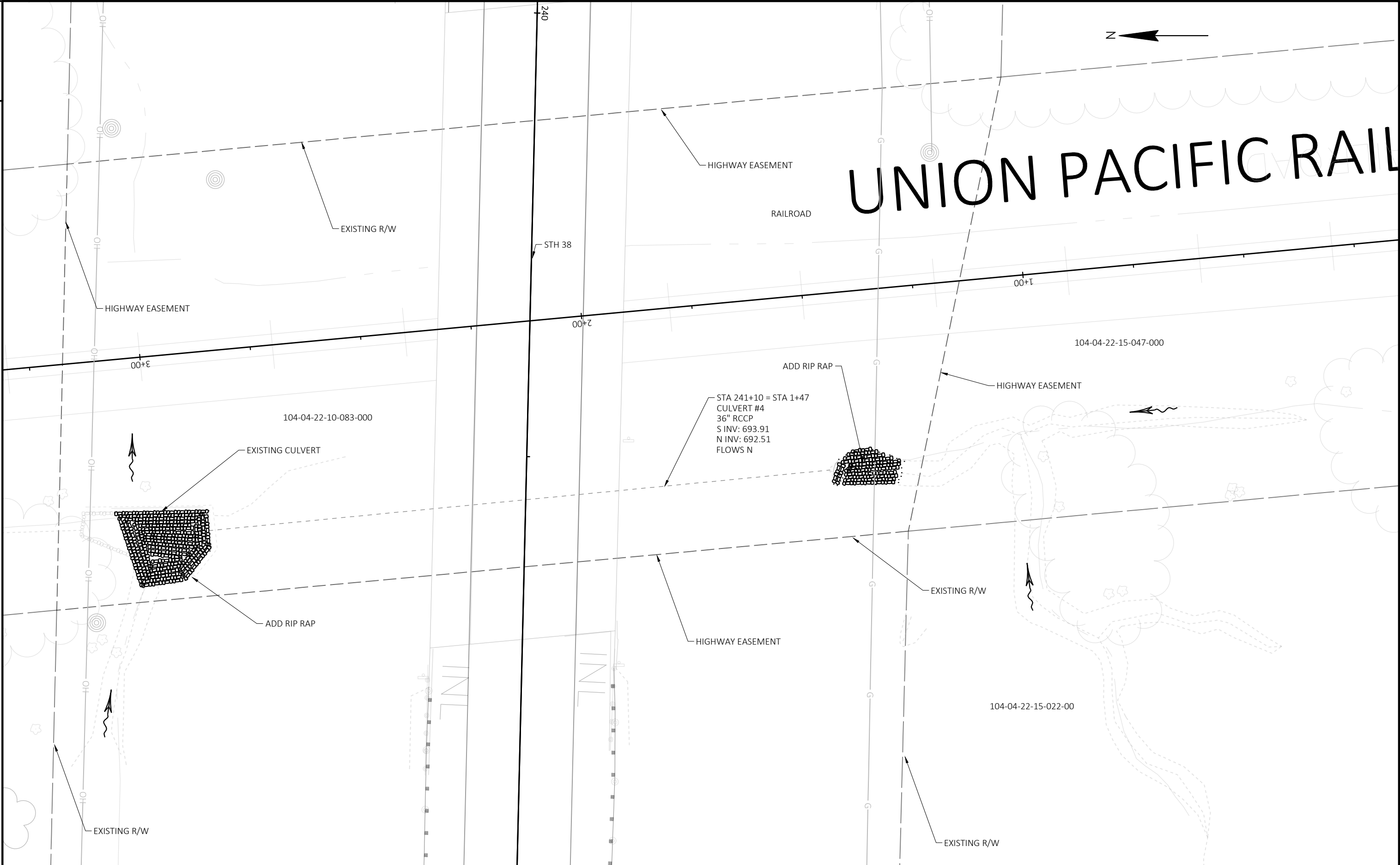




PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PLAN DETAIL- CULVERT #3	SHEET	E
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2

2



PROJECT NO:	2290-24-70
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HWY: STH 38

COUNTY: RACINE & MILWAUKEE

PLAN DETAIL- CULVERT #4B

SHEET

E

FILE NAME : J:\ACTIVE\SE\2290-24-00 STH 38 RACINE & MILWAUKEE COUNTY\C3D\22902400\SHEETSPLAN\021206-PD-CULVERT 4B.DWG
LAYOUT NAME - culvert4

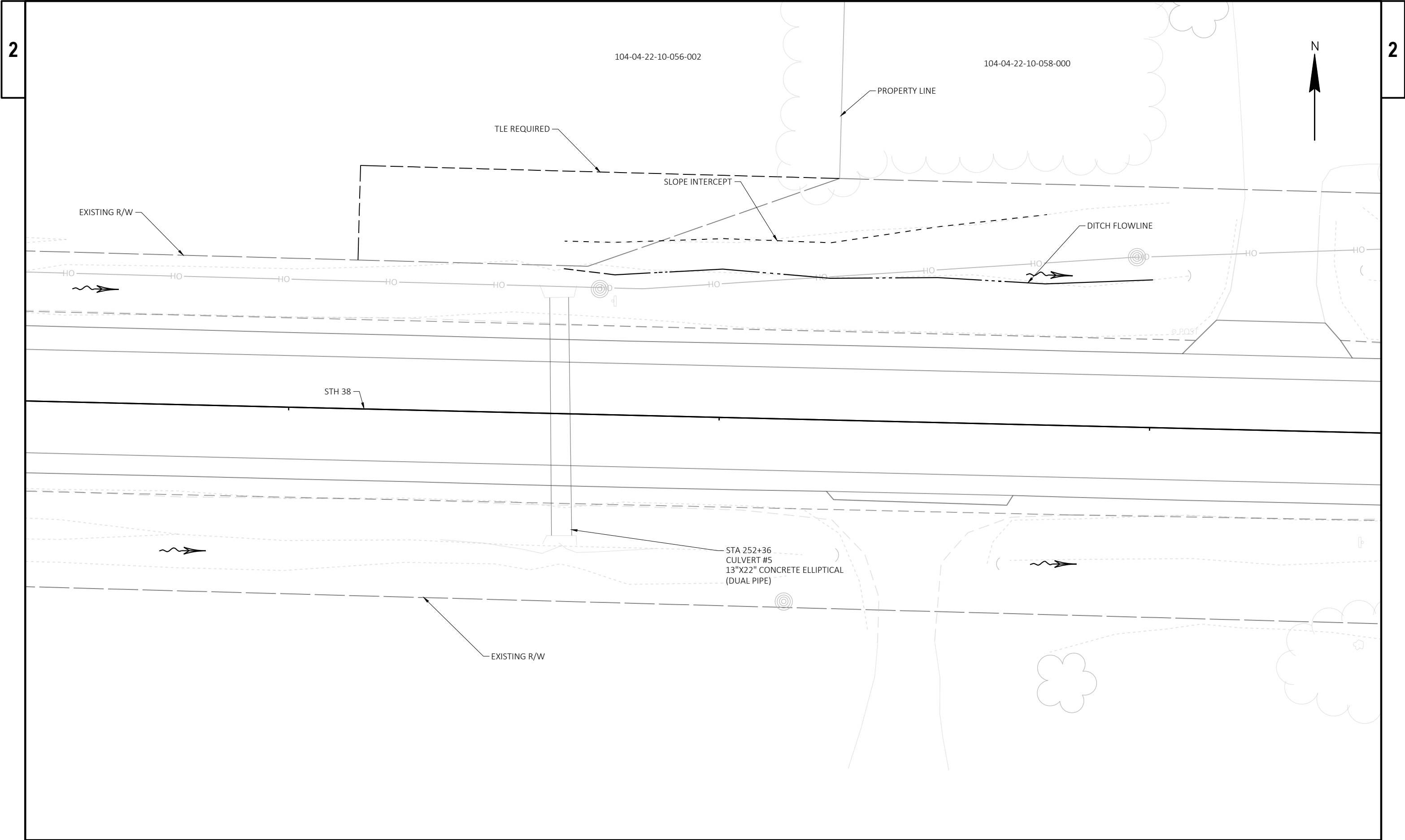
PLOT DATE : 10/27/2021 9:40 AM

PLOT BY : OSCAR HERNANDEZ

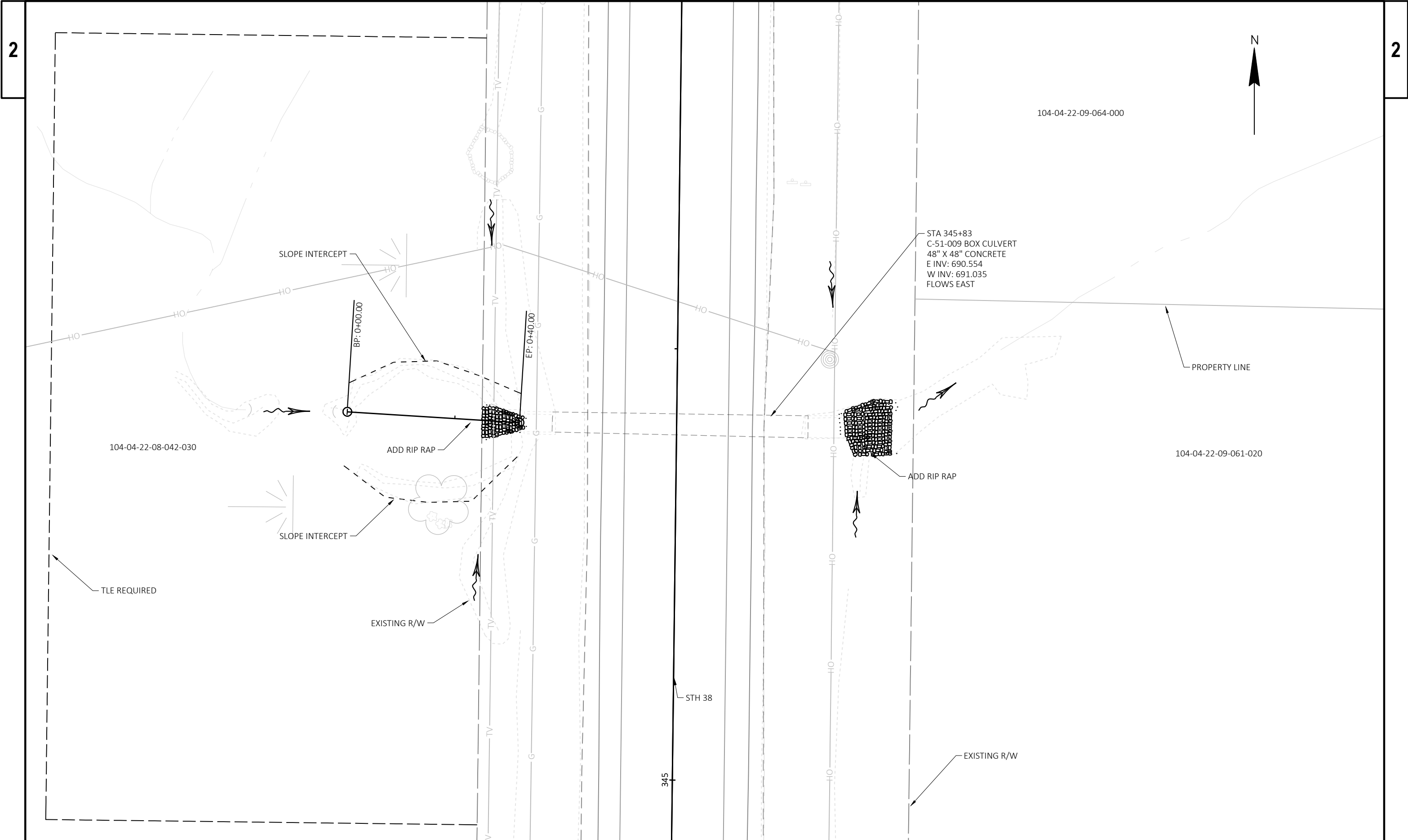
PLOT NAME :

PLOT SCALE : 1 IN:20 FT

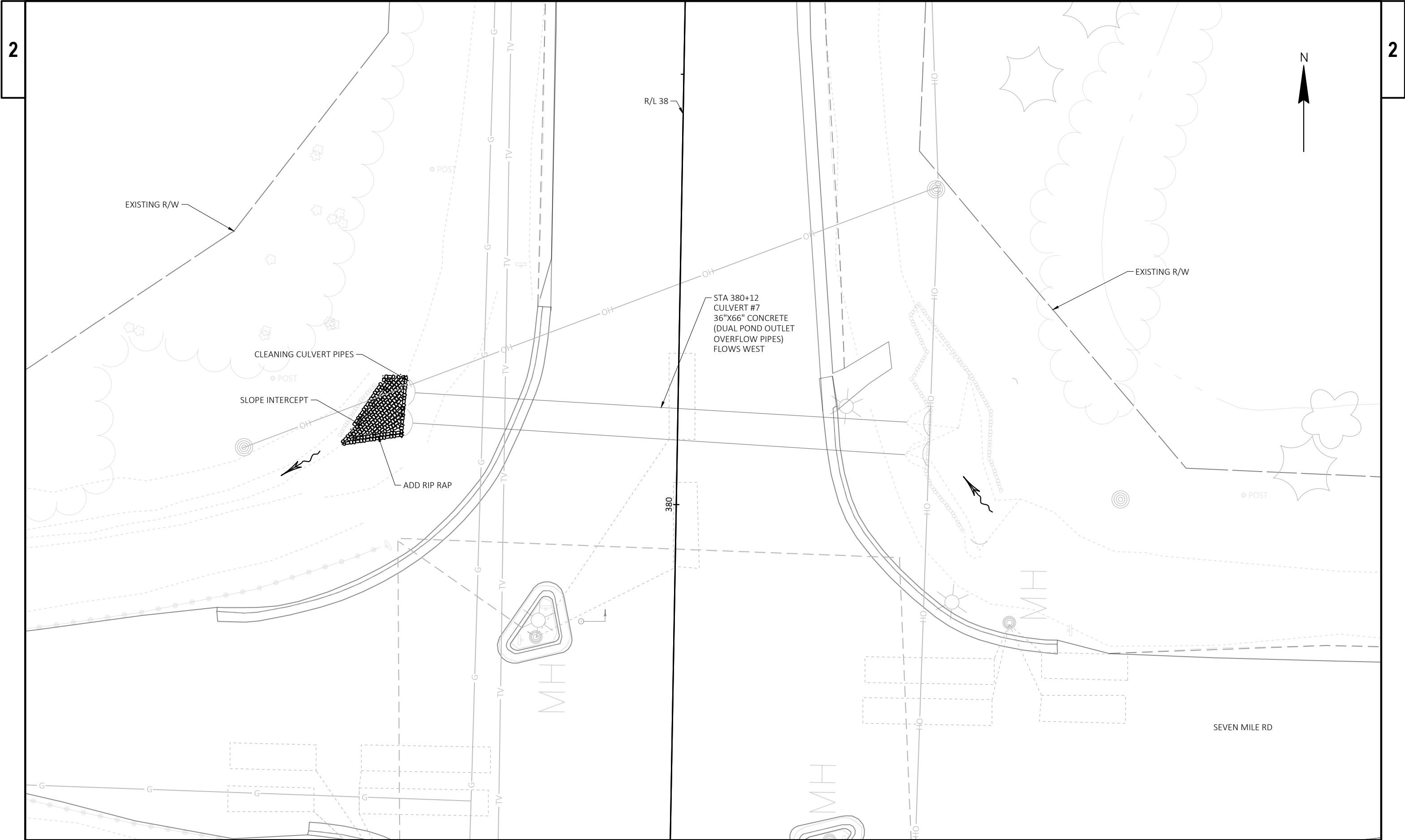
WISDOT/CADDS SHEET 42



PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PLAN DETAIL- CULVERT #5	SHEET	E
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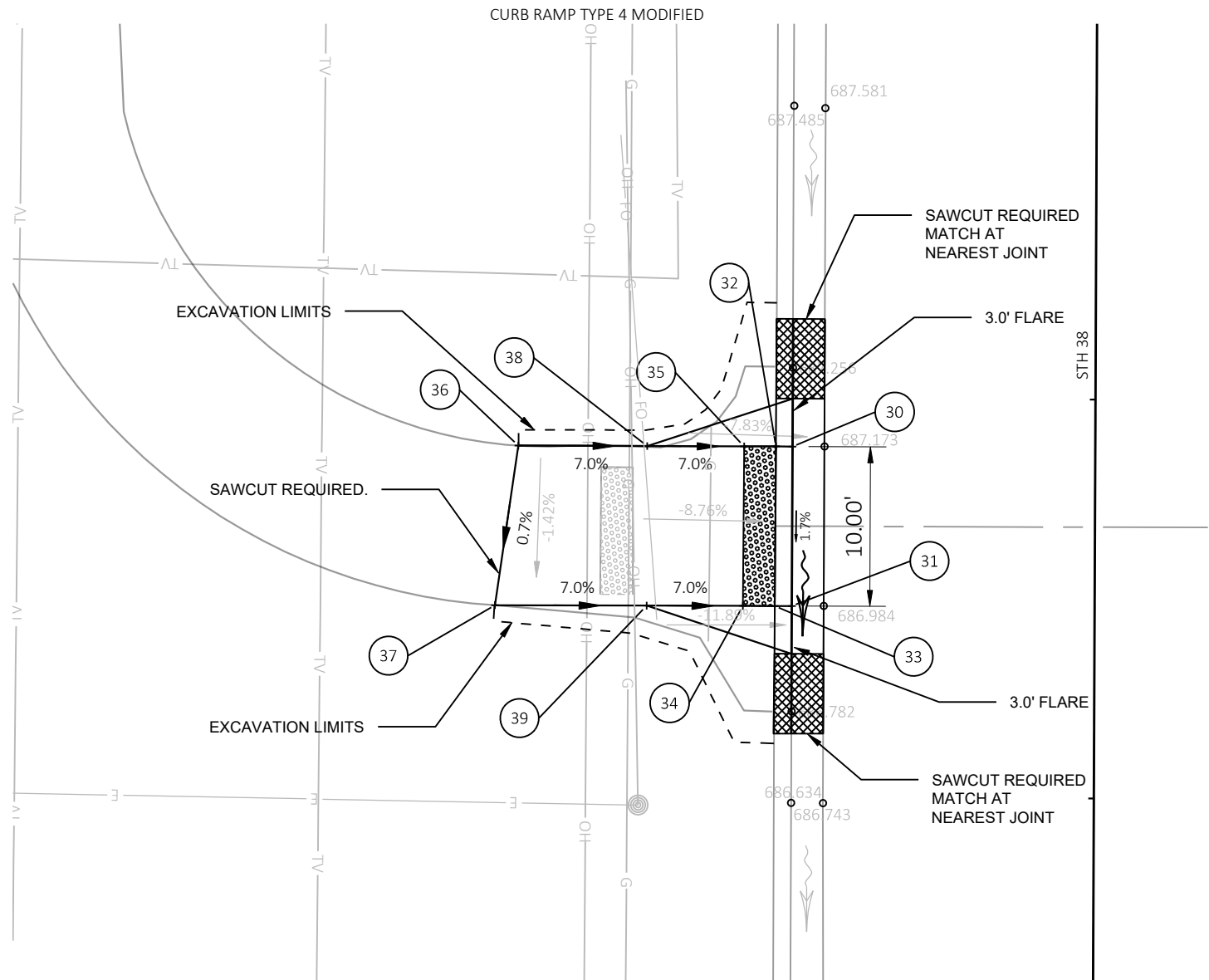
PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PLAN DETAIL - C-51-009A	SHEET	E
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PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PLAN DETAIL- CULVERT #7	SHEET	E
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POINT TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
30	441+46.99	18.99 LT	229362.344	604904.007	687.15
31	441+46.99	18.99 LT	229352.344	604903.966	686.98
32	441+46.99	20.03 LT	229362.347	604902.970	687.22
33	441+36.99	20.06 LT	229352.347	604902.902	687.05
34	441+36.98	22.06 LT	229352.352	604900.902	687.19
35	441+46.98	22.03 LT	229362.353	604900.970	687.36
36	441+46.97	36.18 LT	229362.396	604886.818	688.35
37	441+36.96	37.61 LT	229352.396	604885.346	688.28
38	441+46.98	28.10 LT	229362.371	604894.894	687.78
39	441+36.97	28.09 LT	229352.372	604894.864	687.62

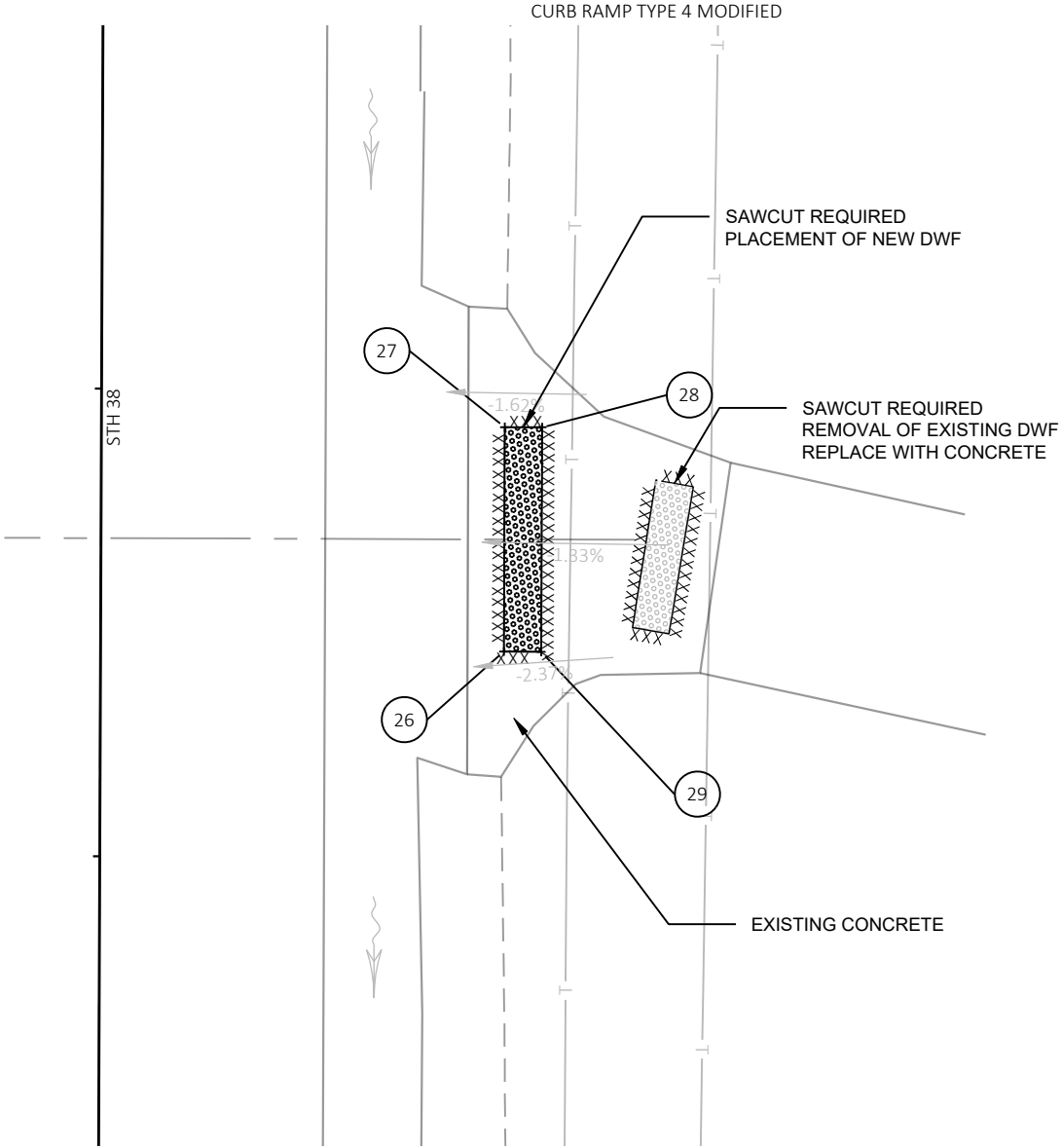
- NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
 2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
 3. SIDEWALK AND CURB & GUTTER REPLACEMENT SHOULD BE TO THE NEAREST JOINT. LIMITS ARE APPROXIMATE AND ARE TO BE VERIFIED IN THE FIELD BY THE ENGINEER.
 4. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINTS.
 5. THE CONTRACTOR SHALL CONFIRM GRADES ON THE PLANS AND ENSURE POSITIVE DRAINAGE AT THE COMPLETION OF ALL WORK.
 6. MATCH EXISTING CURB & GUTTER ELEVATIONS AT MATCH POINTS.
 7. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
 8. ALL STATION AND OFFSET INFORMATION REFERENCE STH 38 R/L.
 9. ALL CURB AND GUTTER RADII ARE MEASURED TO THE FACE OF CURB UNLESS OTHERWISE NOTED.



LEGEND	
	LANDING
	DETECTABLE WARNING FIELD
	CURB PAN TRANSITION
	SIDEWALK TRANSITION
	EXISTING DRAINAGE ARROW
	PROPOSED DRAINAGE ARROW

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
26	441+36.02	21.58 RT	229351.222	604944.529
27	441+48.02	21.58 RT	229363.222	604944.577
28	441+48.02	23.58 RT	229363.214	604946.577
29	441+36.02	23.58 RT	229351.214	604946.529

- NOTES:
- CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
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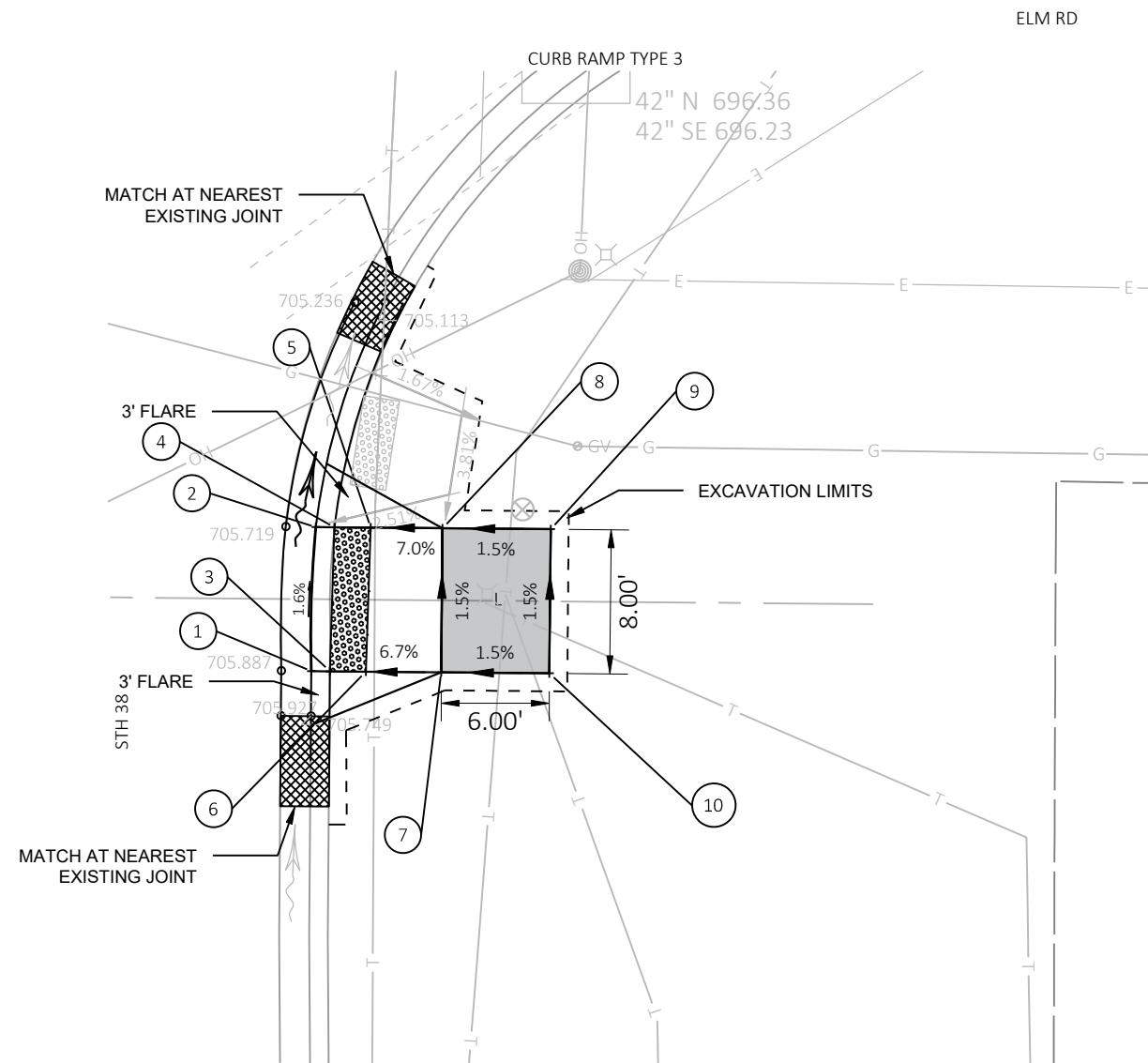


LEGEND	
	LANDING
	DETECTABLE WARNING FIELD
	CURB PAN TRANSITION
	SIDEWALK TRANSITION
	EXISTING DRAINAGE ARROW
	PROPOSED DRAINAGE ARROW

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POINT TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1	456+74.08	31.69 RT	230889.228	604960.798	705.82
2	456+82.08	31.90 RT	230897.226	604961.046	705.69
3	456+74.08	32.73 RT	230889.219	604961.831	705.89
4	456+82.08	32.94 RT	230897.217	604962.085	705.76
5	456+82.07	34.95 RT	230897.199	604964.086	705.90
6	456+74.07	34.73 RT	230889.201	604963.833	706.02
7	456+74.05	38.91 RT	230889.164	604968.014	706.30
8	456+82.05	38.95 RT	230897.163	604968.084	706.18
9	456+82.02	44.95 RT	230897.110	604974.084	706.27
10	456+74.02	44.91 RT	230889.111	604974.013	706.39



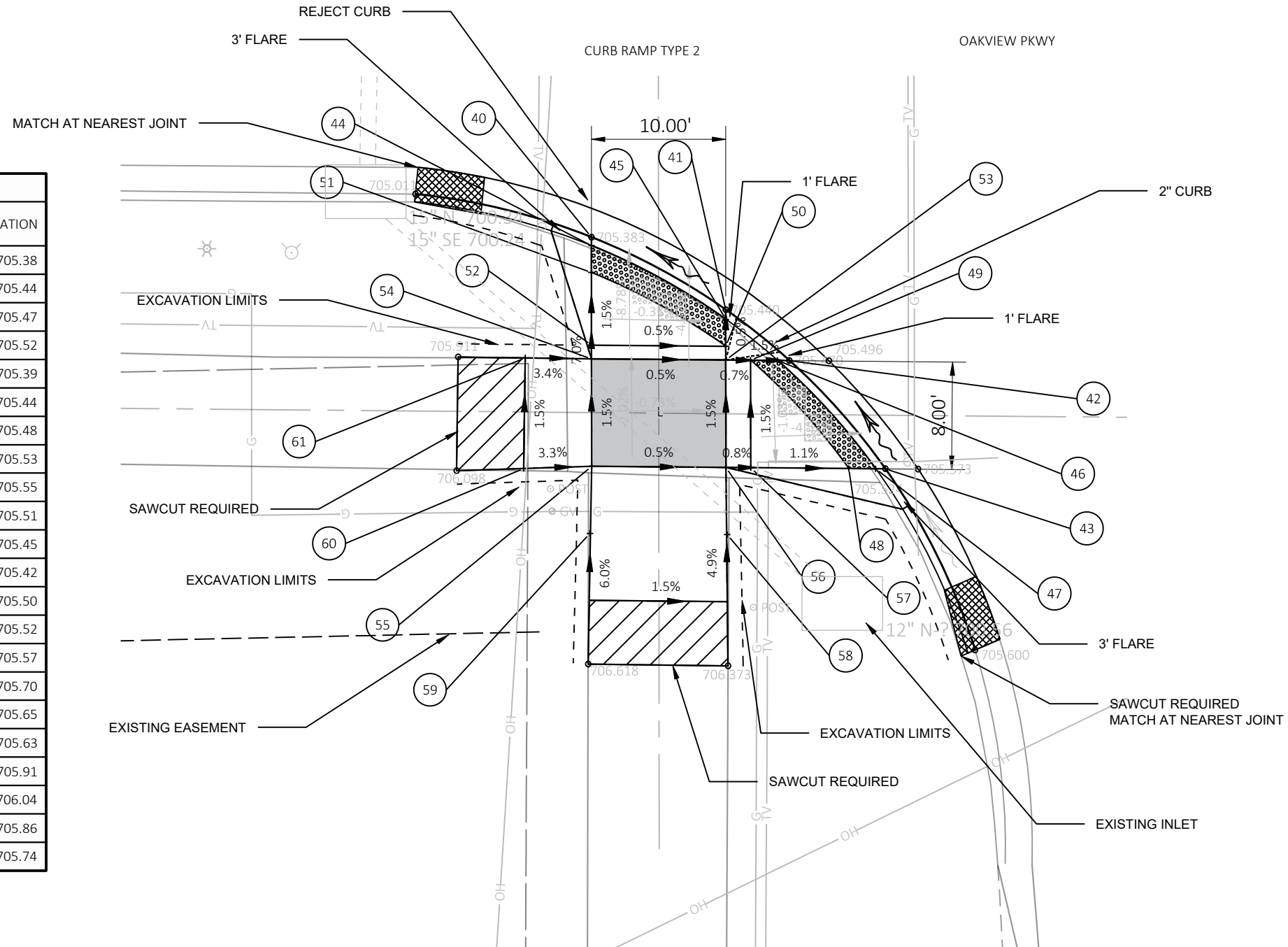
LEGEND	
	LANDING
	DETECTABLE WARNING FIELD
	CURB PAN TRANSITION
	SIDEWALK TRANSITION
	EXISTING DRAINAGE ARROW
	PROPOSED DRAINAGE ARROW

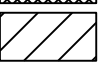
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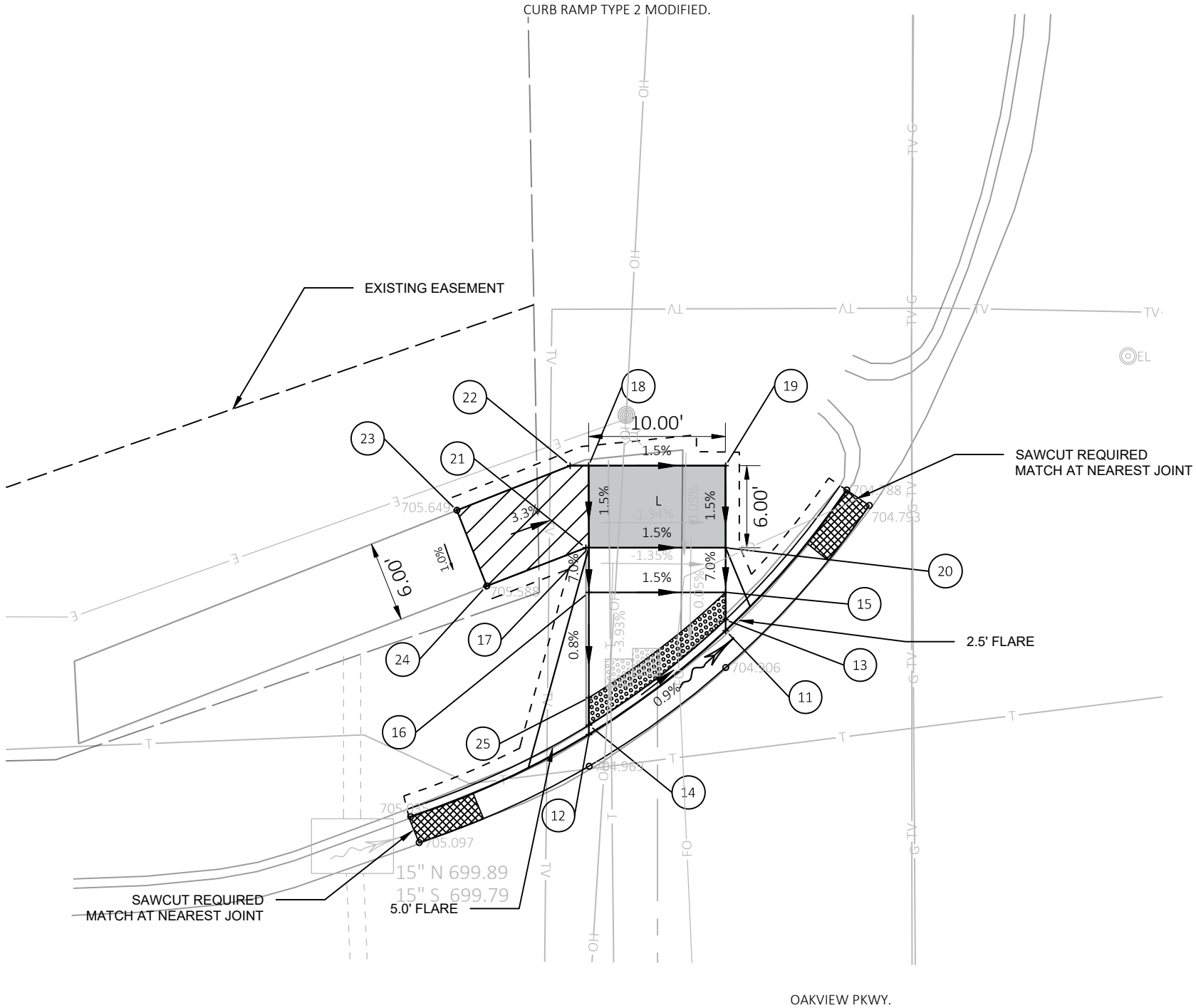
POINT TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
40	456+91.64	72.37 LT	230907.199	604856.808	705.38
41	456+86.28	62.34 LT	230901.795	604866.813	705.44
42	456+82.52	57.59 LT	230898.018	604871.547	705.47
43	456+74.48	50.42 LT	230889.955	604878.690	705.52
44	456+91.01	72.36 LT	230906.571	604856.809	705.39
45	456+85.56	62.34 LT	230901.081	604866.814	705.44
46	456+82.52	58.48 LT	230898.026	604870.662	705.48
47	456+74.48	51.14 LT	230889.961	604877.969	705.53
48	456+74.49	53.13 LT	230889.979	604875.970	705.55
49	456+82.53	60.48 LT	230898.044	604868.662	705.51
50	456+83.56	62.33 LT	230899.081	604866.816	705.45
51	456+89.01	72.36 LT	230904.571	604856.808	705.42
52	456+83.61	72.34 LT	230899.170	604856.807	705.50
53	456+82.54	62.32 LT	230898.060	604866.817	705.52
54	456+82.59	72.33 LT	230898.149	604856.807	705.57
55	456+74.59	72.28 LT	230890.148	604856.825	705.70
56	456+74.54	62.28 LT	230890.060	604866.825	705.65
57	456+74.53	60.44 LT	230890.044	604868.670	705.63
58	456+69.54	62.16 LT	230885.059	604866.923	705.91
59	456+69.59	72.39 LT	230885.149	604856.700	706.04
60	456+74.40	77.34 LT	230889.983	604851.761	705.86
61	456+82.84	77.27 LT	230898.215	604851.872	705.74



LEGEND	
	LANDING
	DETECTABLE WARNING FIELD
	CURB PAN TRANSITION
	SIDEWALK TRANSITION
	EXISTING DRAINAGE ARROW
	PROPOSED DRAINAGE ARROW

POINT TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
11	457+77.86	62.91 LT	230993.498	604866.721	704.86
12	457+70.22	72.86 LT	230985.917	604856.729	704.96
13	457+78.66	62.91 LT	230994.298	604866.720	704.87
14	457+70.90	72.86 LT	230986.601	604856.728	704.97
15	457+80.65	62.92 LT	230996.298	604866.718	704.90
16	457+80.60	72.92 LT	230996.298	604856.718	705.05
17	457+83.86	72.95 LT	230999.558	604856.715	705.28
18	457+89.86	72.99 LT	231005.558	604856.709	705.36
19	457+89.92	62.98 LT	231005.558	604866.715	705.22
20	457+83.92	62.95 LT	230999.558	604866.715	705.12
21	457+83.86	73.16 LT	230999.558	604856.500	705.28
22	457+89.85	74.34 LT	231005.558	604855.356	705.41
23	457+86.54	82.61 LT	231002.292	604847.068	705.65
24	457+81.02	80.40 LT	230996.745	604849.208	705.59
25	457+72.90	72.87 LT	230988.601	604856.726	704.98

- NOTES:
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LEGEND

LANDING

DETECTABLE WARNING FIELD

CURB PAN TRANSITION

SIDEWALK TRANSITION

EXISTING DRAINAGE ARROW

PROPOSED DRAINAGE ARROW

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2

POINT TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
62	457+26.49	62.55 LT	230942.129	604866.774	705.67
63	457+26.53	72.55 LT	230942.231	604856.773	705.62
64	457+27.07	62.55 LT	230942.713	604866.773	705.67
65	457+27.06	72.56 LT	230942.766	604856.772	705.62
66	457+38.86	72.64 LT	230954.559	604856.760	705.58
67	457+38.85	62.64 LT	230954.487	604866.761	705.63
68	457+38.25	72.63 LT	230953.951	604856.761	705.58
69	457+38.25	62.64 LT	230953.895	604866.757	705.63
70	457+32.66	62.60 LT	230948.308	604866.767	705.71
71	457+32.66	62.10 LT	230948.303	604867.265	705.78
72	457+32.69	72.60 LT	230948.395	604856.767	705.66
73	457+32.69	73.10 LT	230948.400	604856.267	705.13
74	457+26.46	57.55 LT	230942.077	604871.773	705.70
75	457+30.42	47.53 LT	230945.977	604881.815	705.68
76	457+34.83	47.64 LT	230950.385	604881.733	705.63
77	457+38.84	57.64 LT	230954.452	604871.761	705.66

CURB RAMP TYPE 5

PROJECT NO: 2290-24-70

HWY: STH 38

COUNTY: RACINE & MILWAUKEE

CURB RAMP DETAIL - ELM RD. MEDIAN

SHEET

E

FILE NAME : J:\ACTIVE\SE\2290-24-00 STH 38 RACINE & MILWAUKEE COUNTY\C3D\22902400\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 6

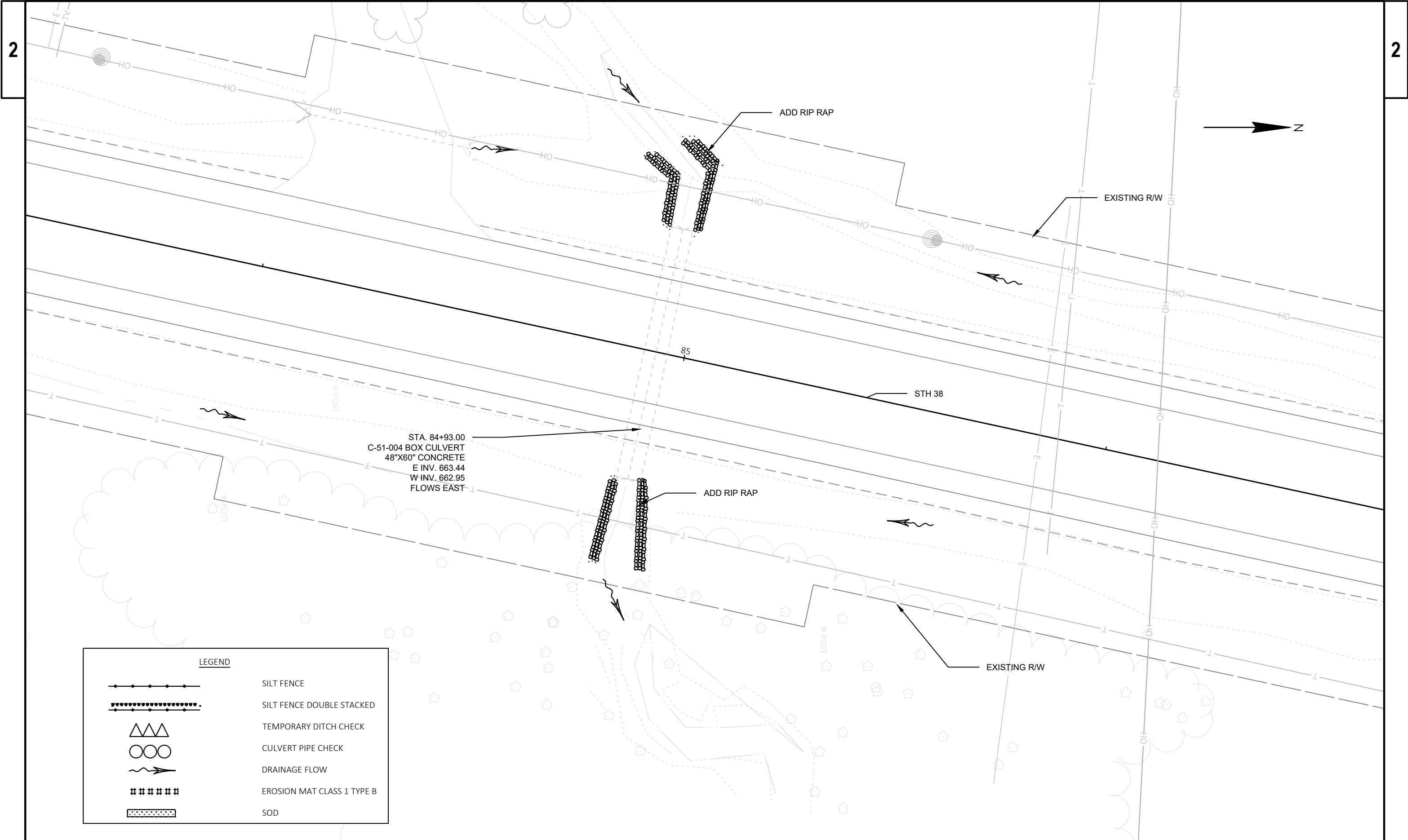
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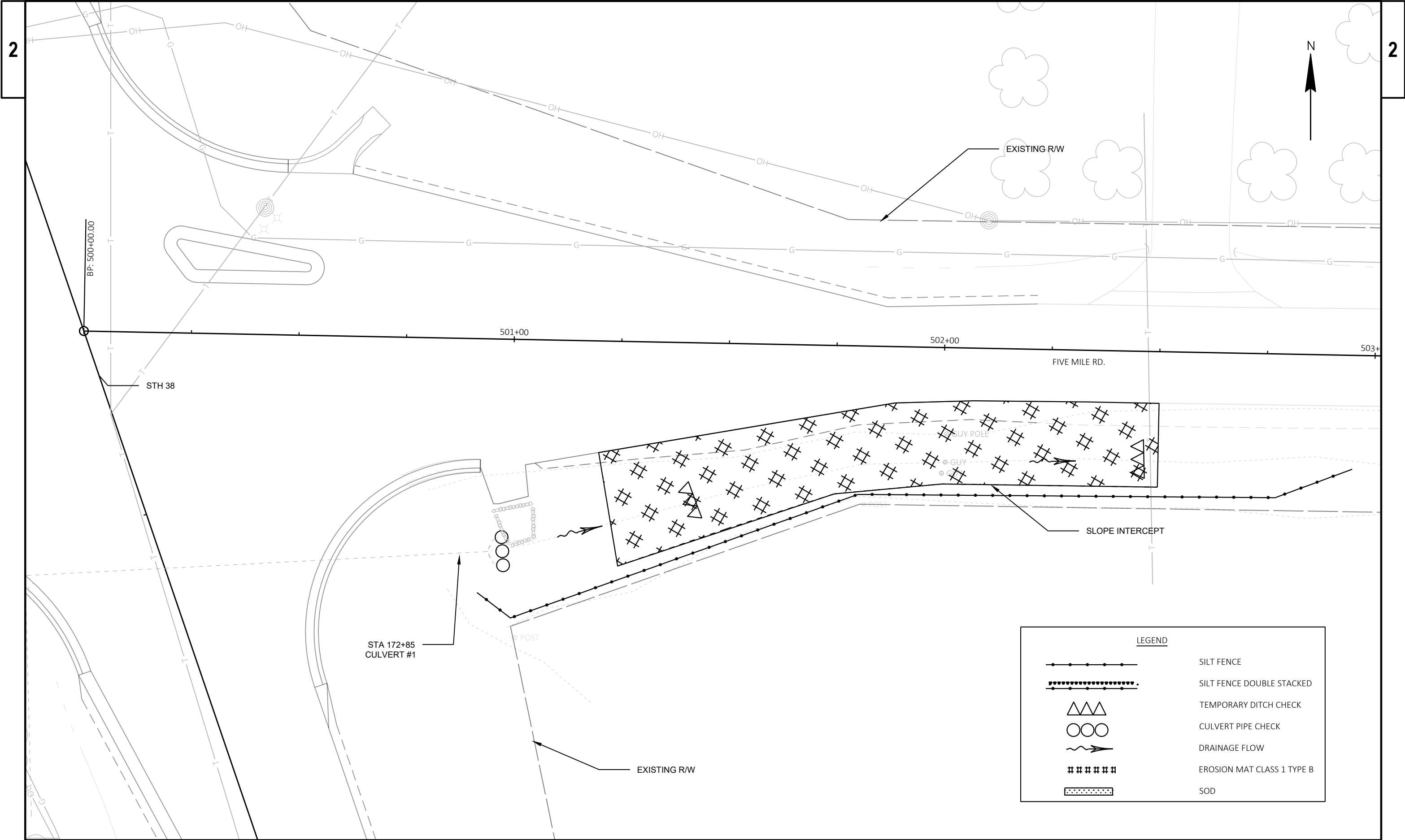
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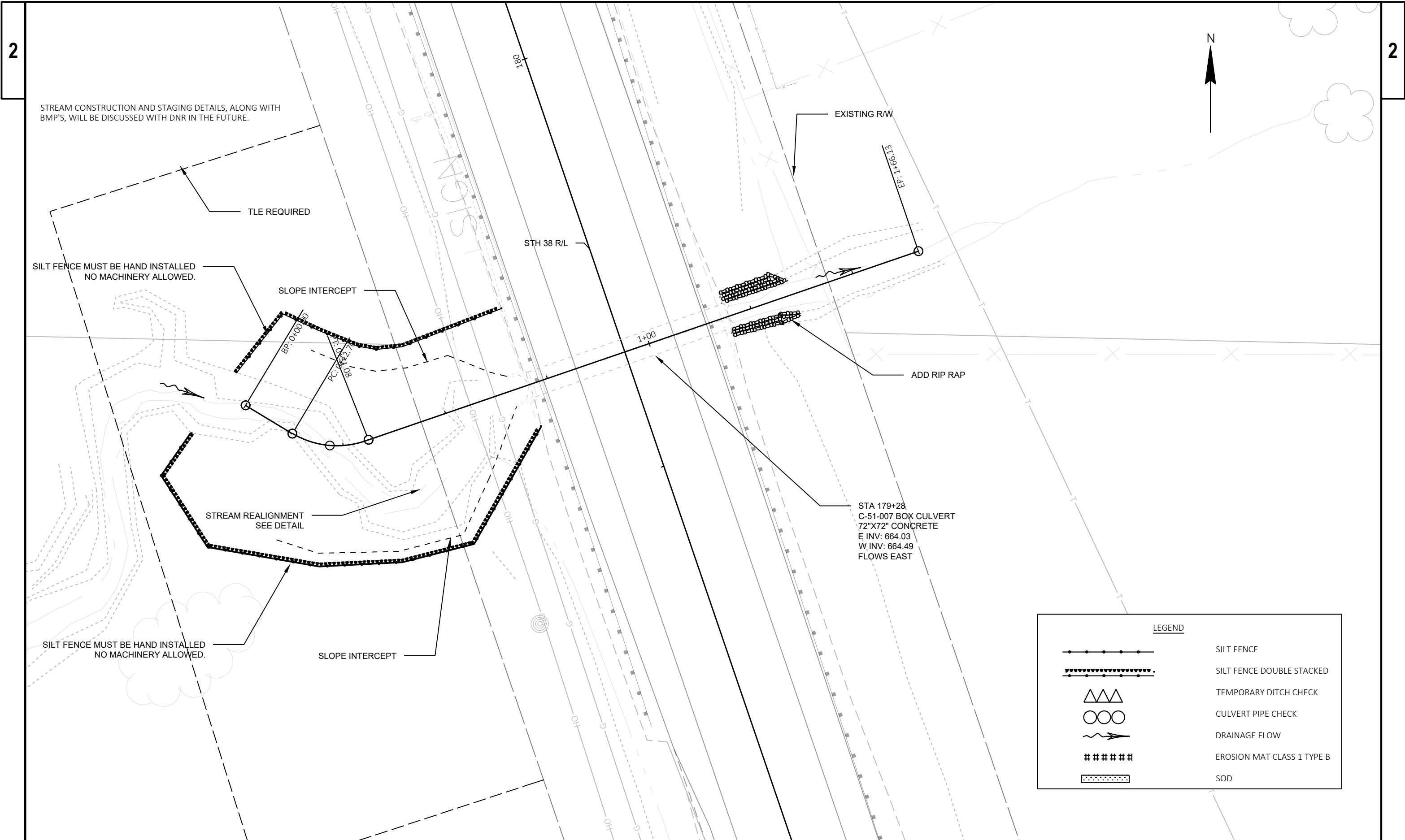
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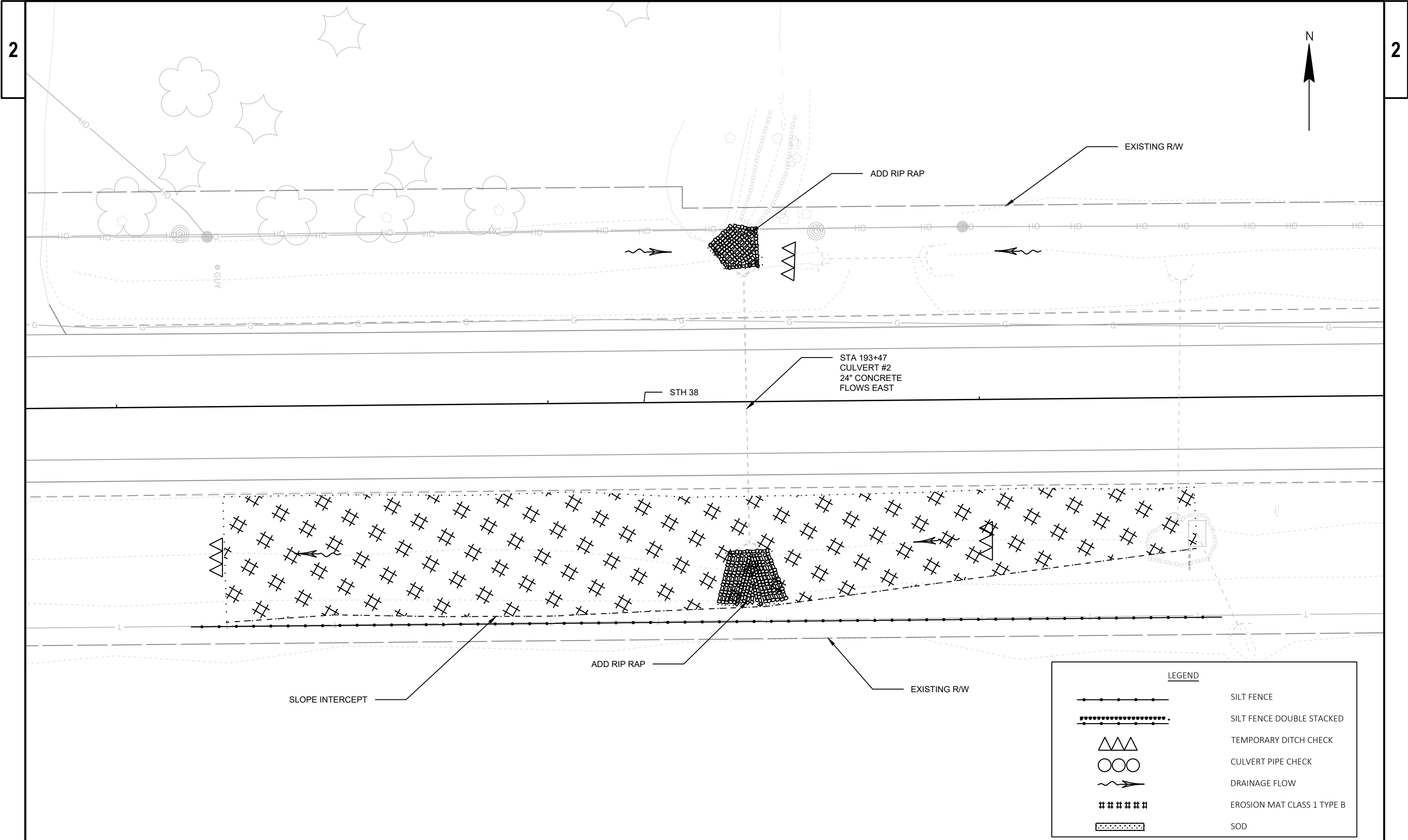
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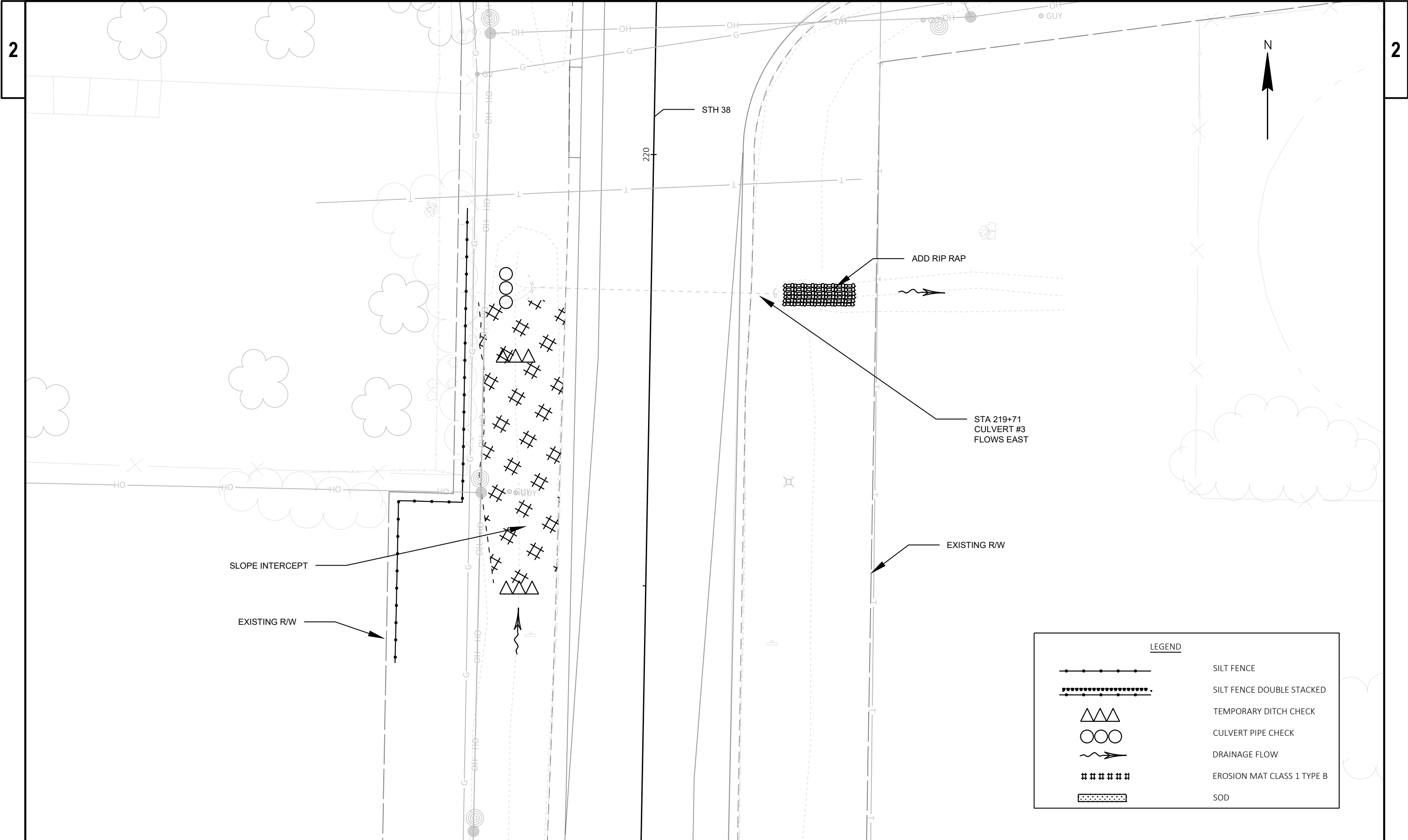
WISDOT/CADDs SHEET 42

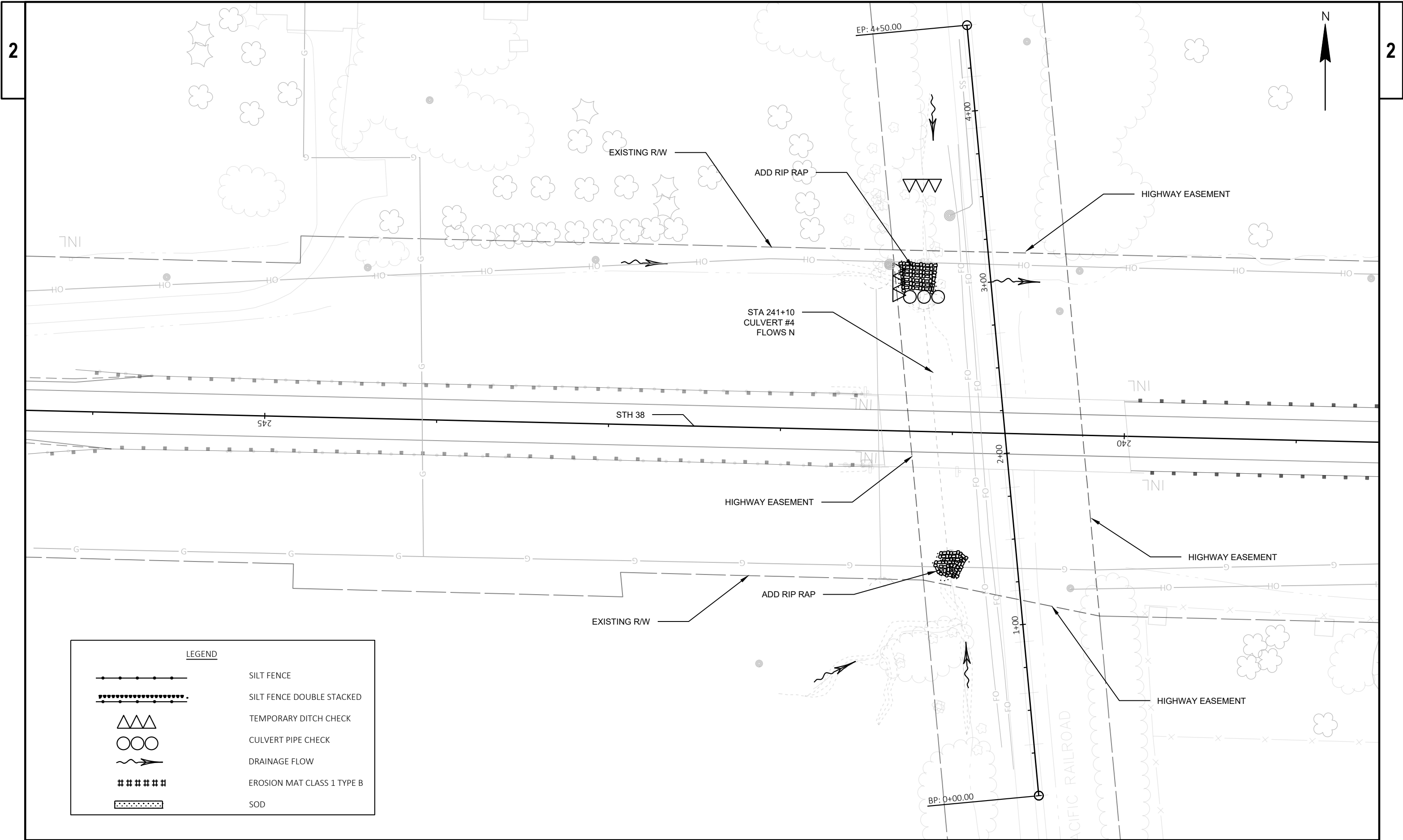


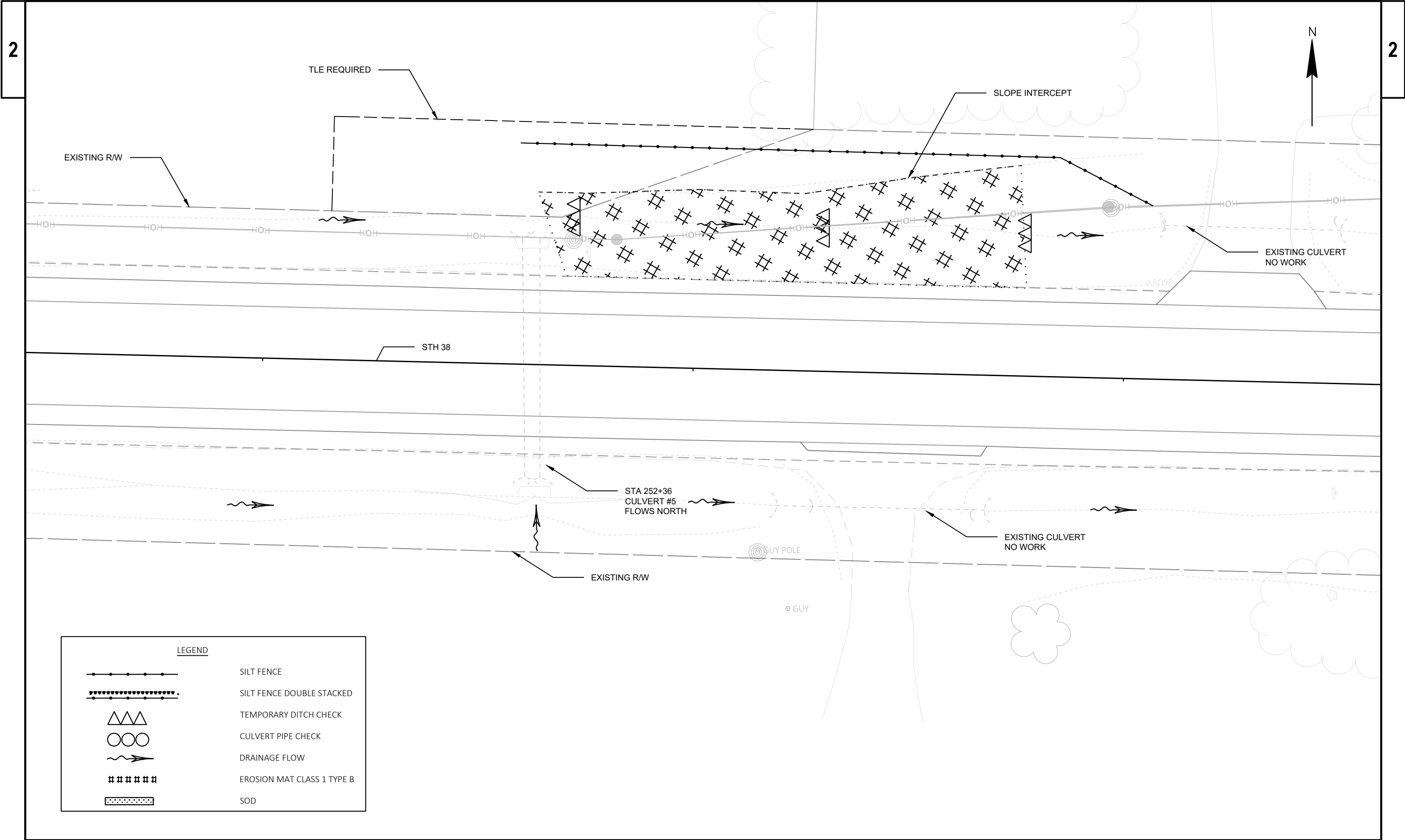


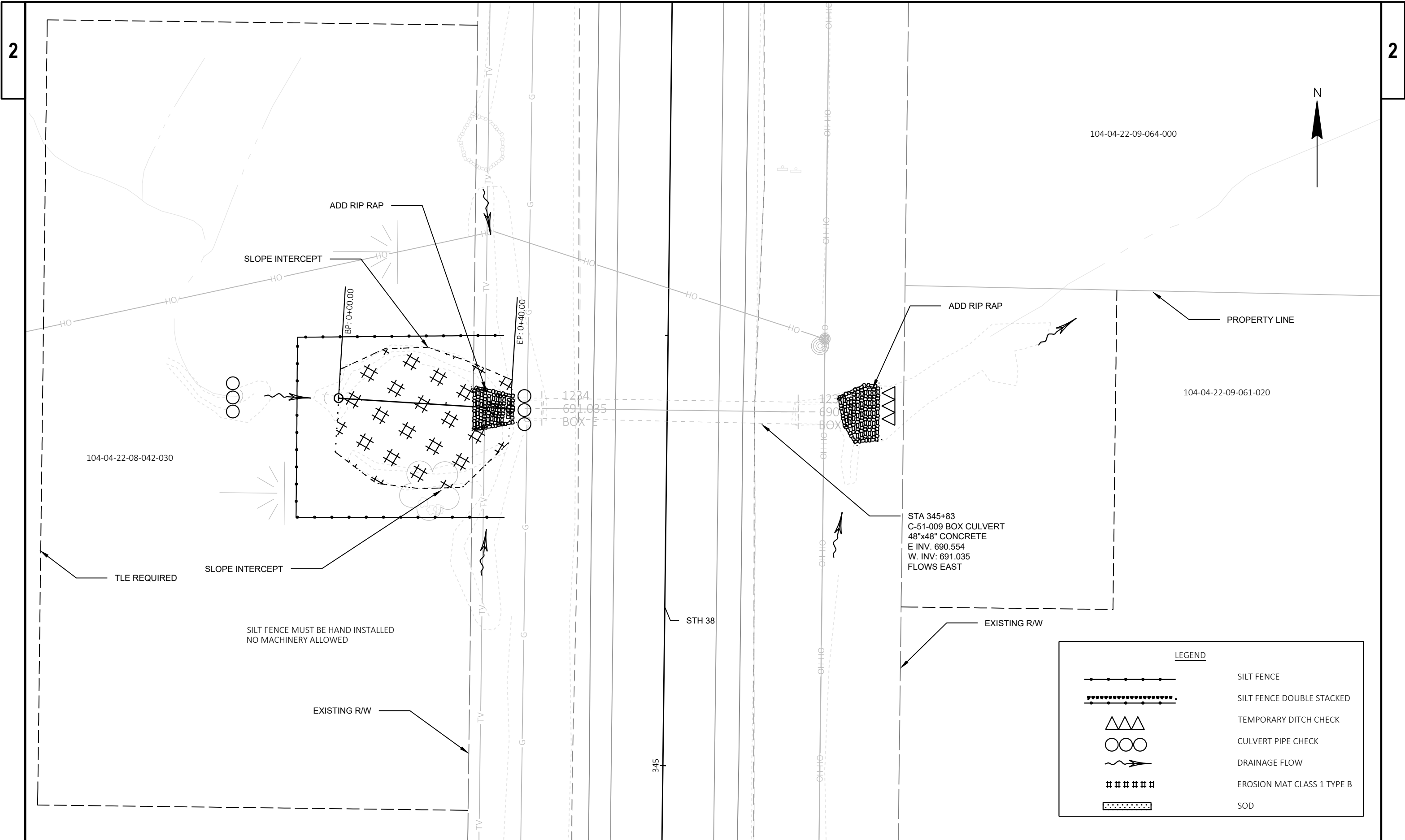












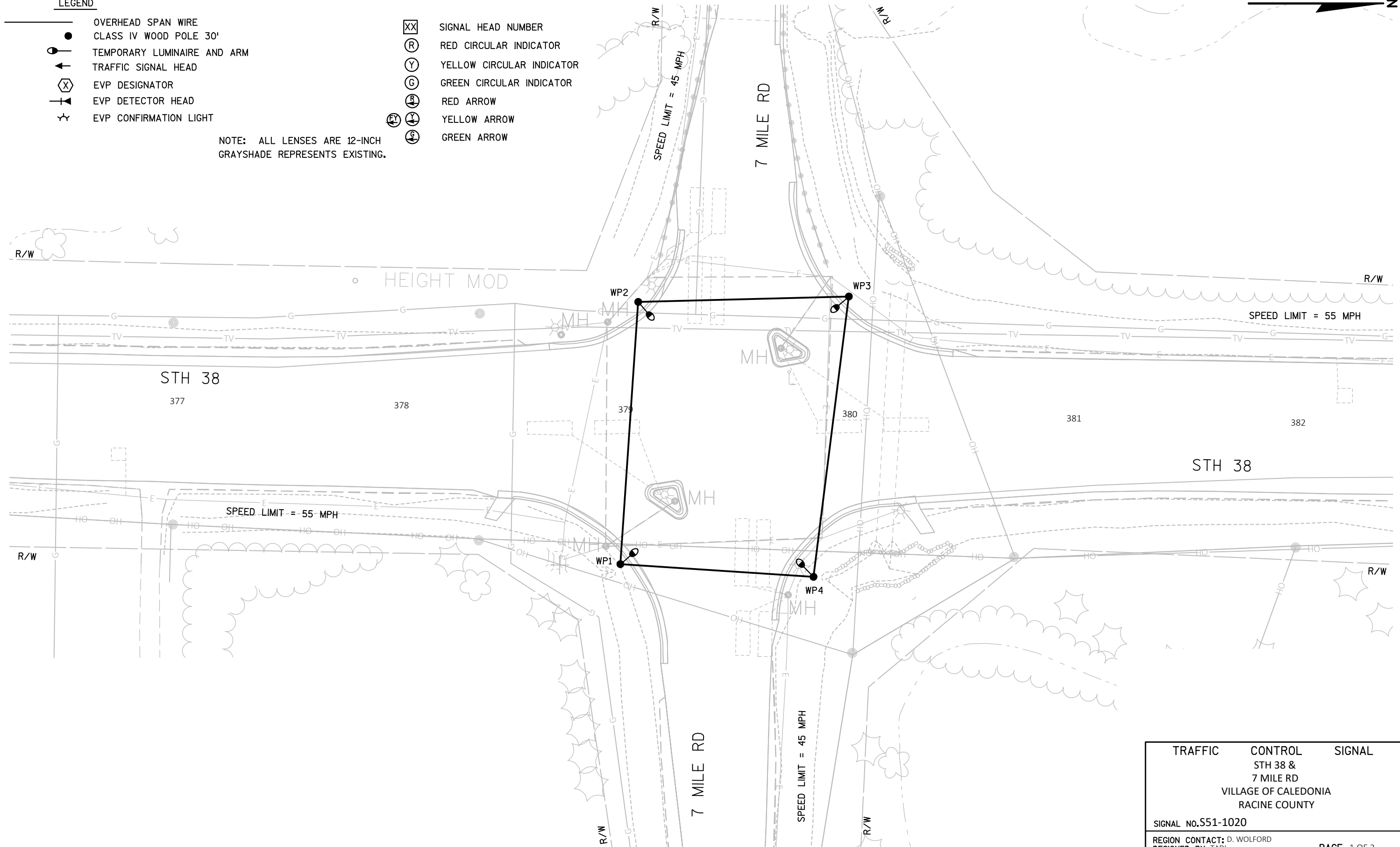


LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- TEMPORARY LUMINAIRE AND ARM
- ← TRAFFIC SIGNAL HEAD
- ⊗ EVP DESIGNATOR
- ▲— EVP DETECTOR HEAD
- ☆ EVP CONFIRMATION LIGHT

- ⊠ SIGNAL HEAD NUMBER
- Ⓡ RED CIRCULAR INDICATOR
- Ⓢ YELLOW CIRCULAR INDICATOR
- Ⓢ GREEN CIRCULAR INDICATOR
- Ⓢ RED ARROW
- Ⓢ YELLOW ARROW
- Ⓢ GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 38 &
7 MILE RD
VILLAGE OF CALEDONIA
RACINE COUNTY

SIGNAL No. S51-1020

REGION CONTACT: D. WOLFORD
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 2290-24-70

HWY: STH 38

COUNTY: RACINE

TEMPORARY TRAFFIC SIGNAL PLAN

SHEET

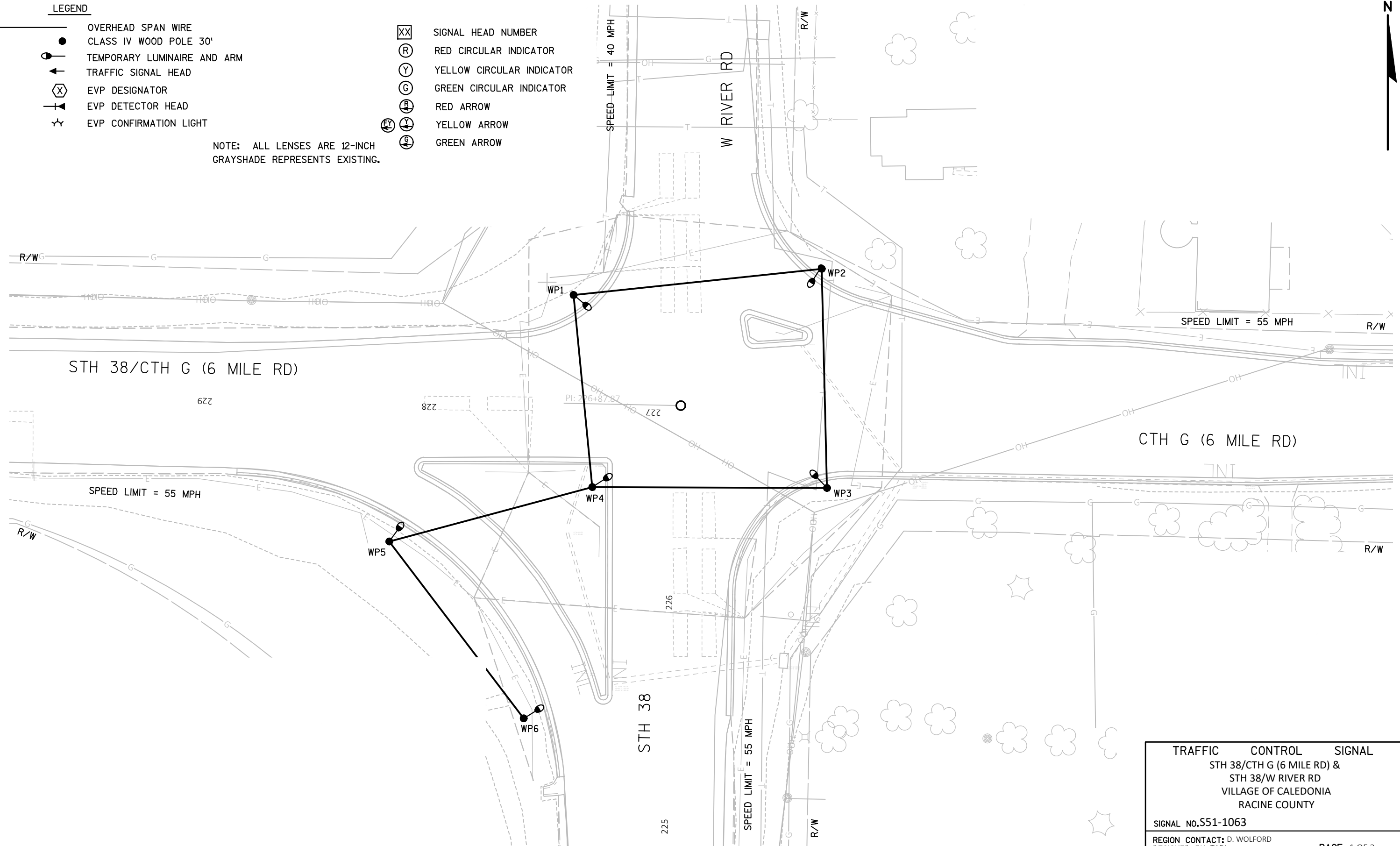
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LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- TEMPORARY LUMINAIRE AND ARM
- ← TRAFFIC SIGNAL HEAD
- ⬢ EVP DESIGNATOR
- ⊥ EVP DETECTOR HEAD
- ☆ EVP CONFIRMATION LIGHT

- XX SIGNAL HEAD NUMBER
- Ⓡ RED CIRCULAR INDICATOR
- Ⓢ YELLOW CIRCULAR INDICATOR
- Ⓢ GREEN CIRCULAR INDICATOR
- Ⓡ RED ARROW
- Ⓢ YELLOW ARROW
- Ⓢ GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING.



PROJECT NO: 2290-24-70

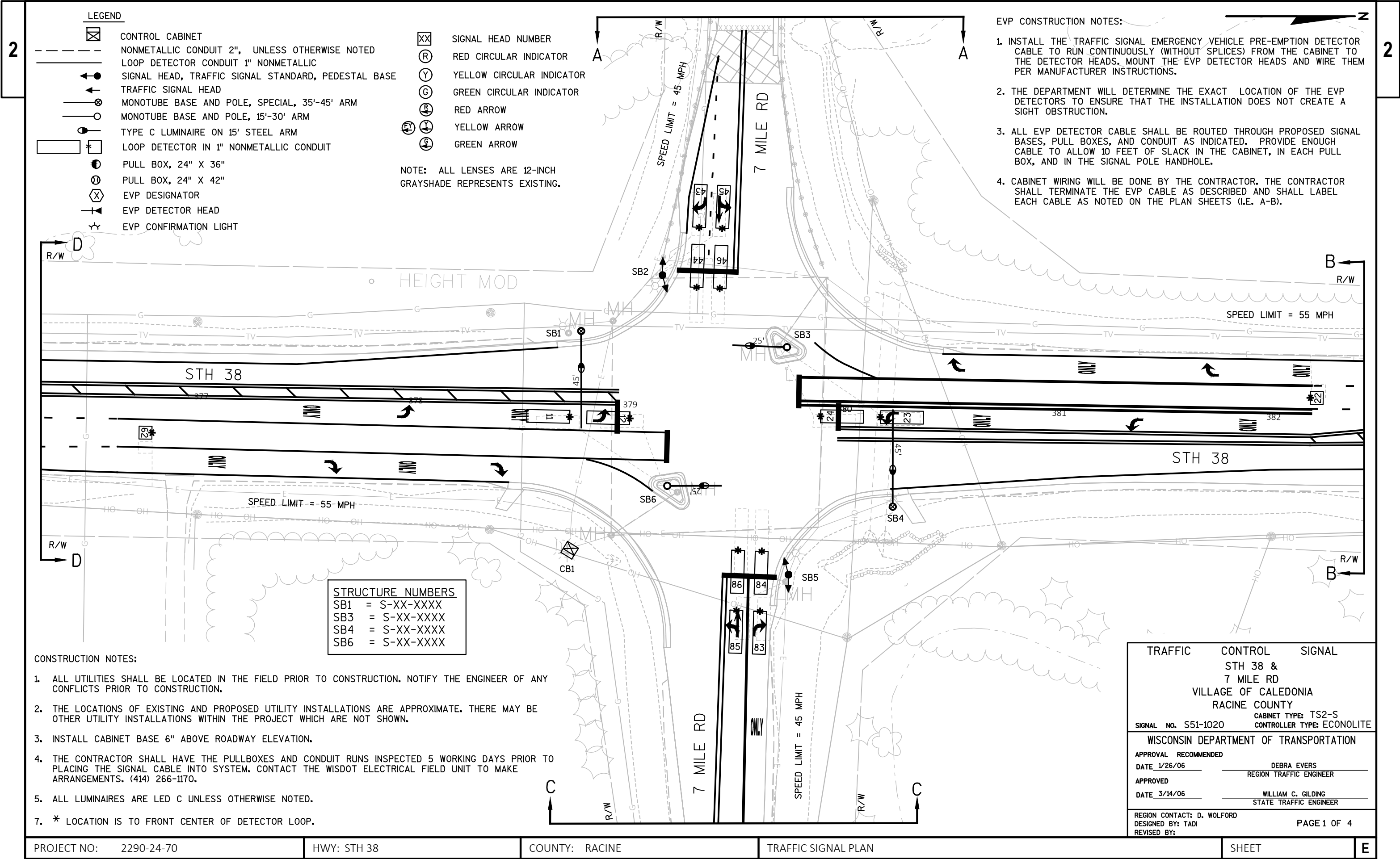
HWY: STH 38

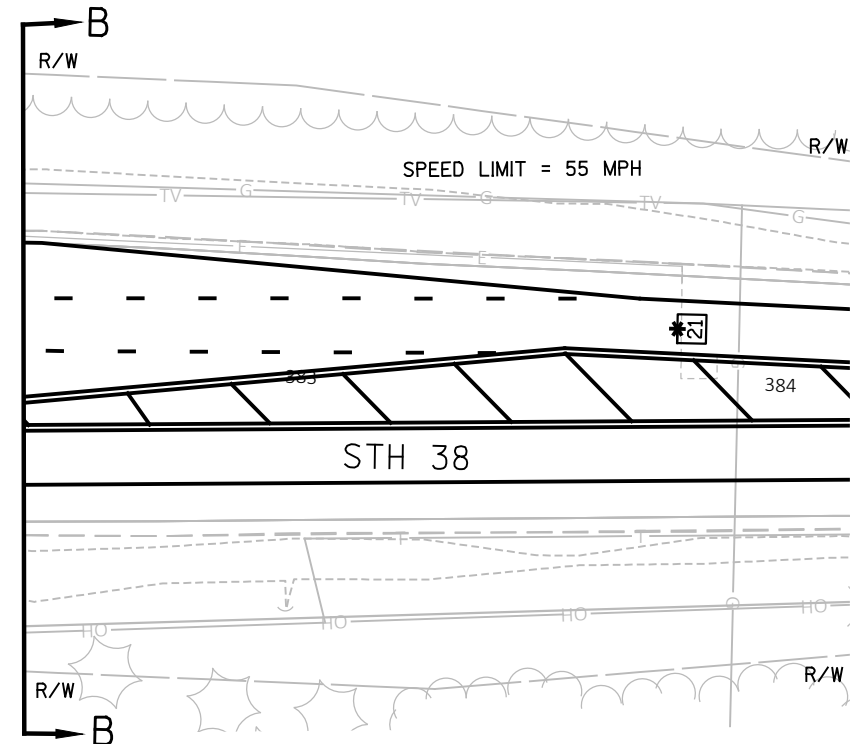
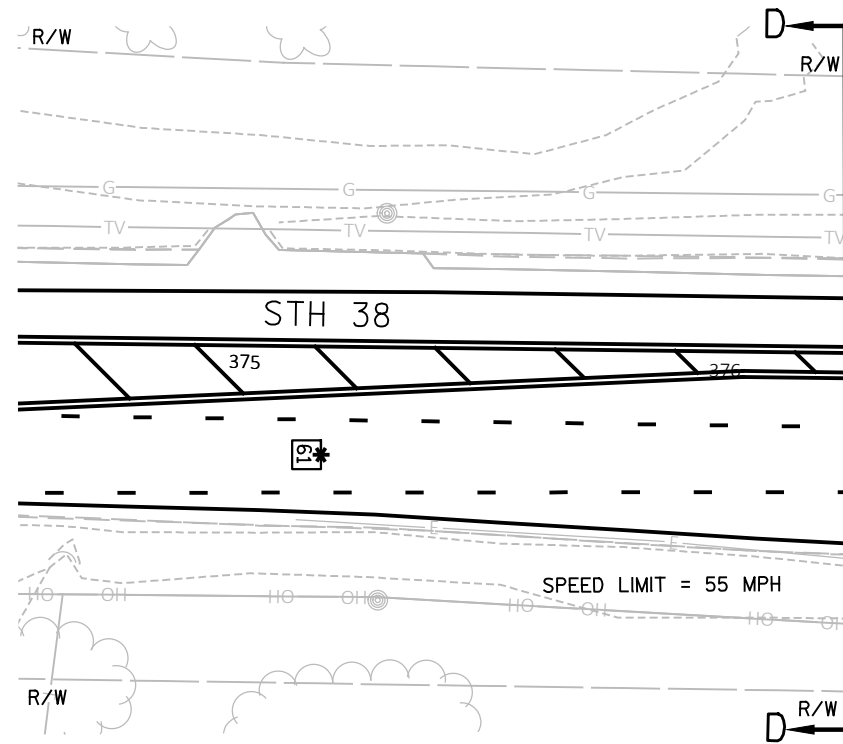
COUNTY: RACINE

TEMPORARY TRAFFIC SIGNAL PLAN

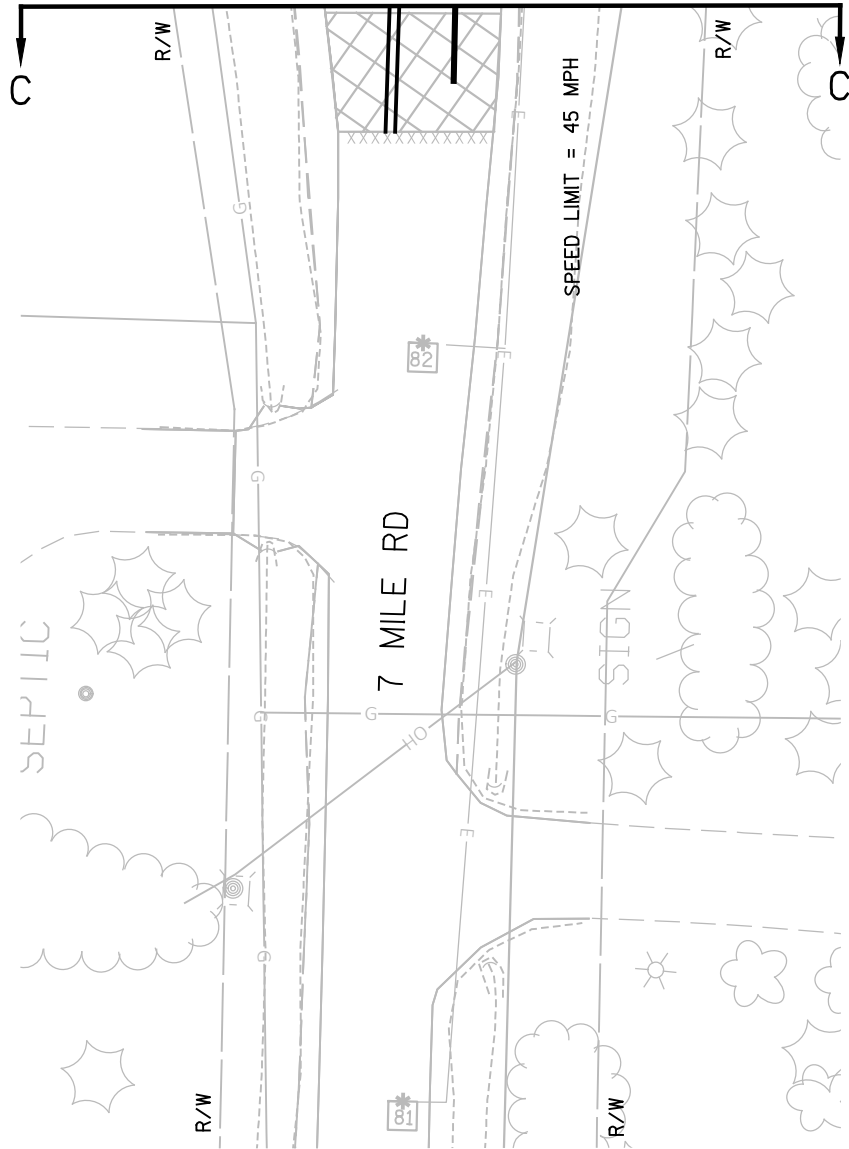
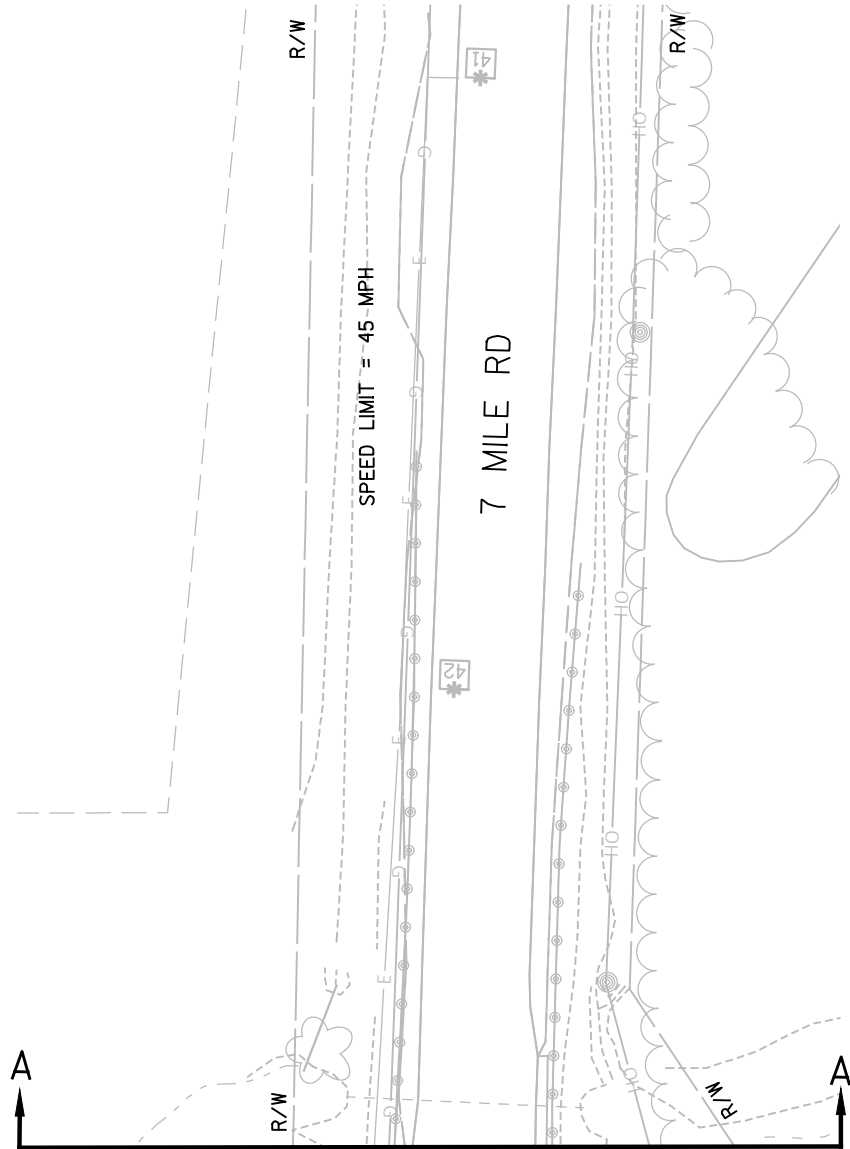
SHEET

E

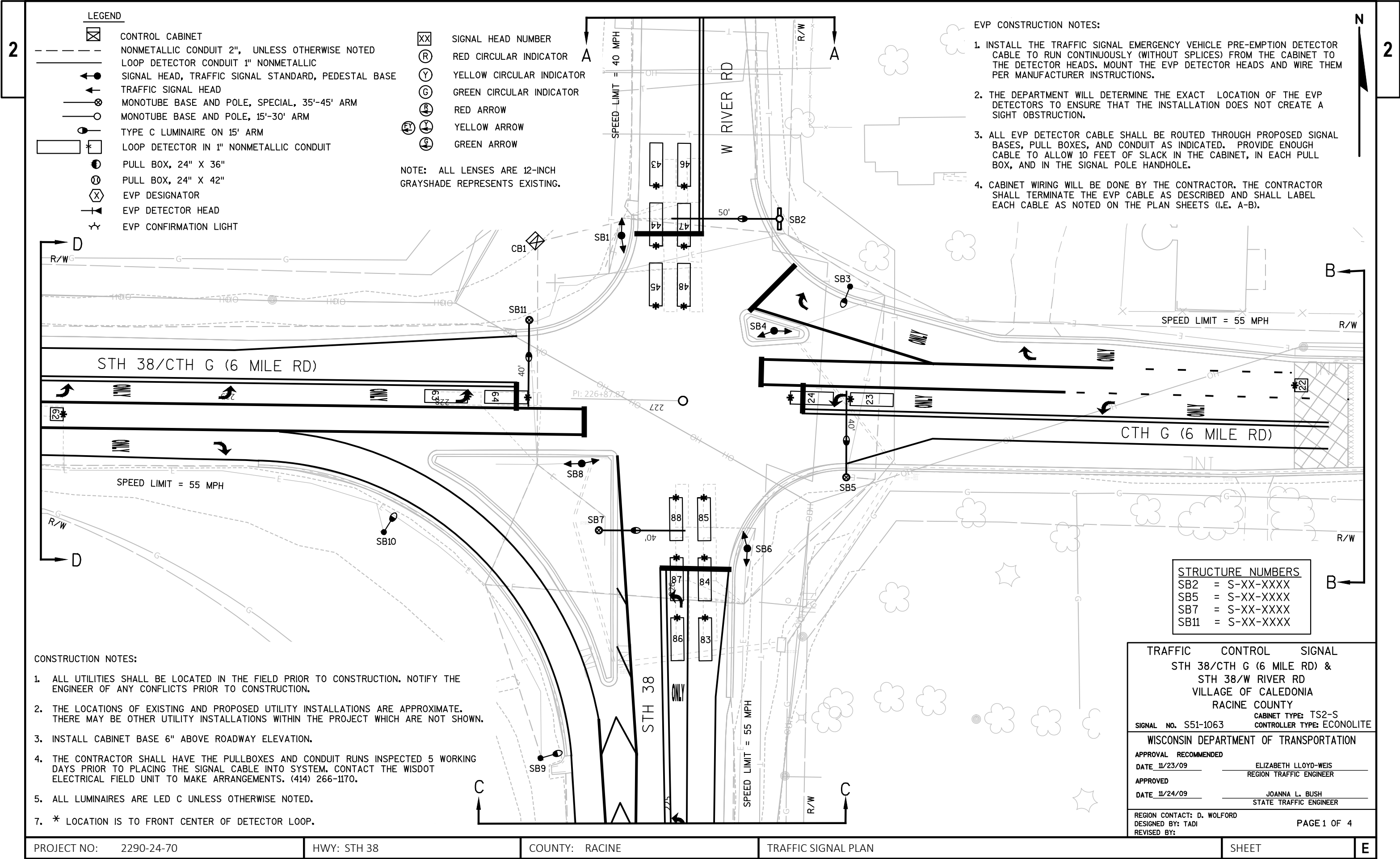




TRAFFIC CONTROL SIGNAL		
STH 38 & 7 MILE RD VILLAGE OF CALEDONIA RACINE COUNTY		
SIGNAL No.S51-1020		
REGION CONTACT: D. WOLFORD DESIGNED BY: TADI REVISED BY:		PAGE 2 OF 4



TRAFFIC CONTROL SIGNAL		
STH 38 & 7 MILE RD VILLAGE OF CALEDONIA RACINE COUNTY		
SIGNAL No.S51-1020		
REGION CONTACT: D. WOLFORD DESIGNED BY: TADI REVISED BY:		PAGE 3 OF 4
SHEET		E



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- TRAFFIC SIGNAL HEAD
- MONOTUBE BASE AND POLE, SPECIAL, 35'-45' ARM
- MONOTUBE BASE AND POLE, 15'-30' ARM
- TYPE C LUMINAIRE ON 15' ARM
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- EVP CONFIRMATION LIGHT

SIGNAL HEAD NUMBERRED CIRCULAR INDICATORYELLOW CIRCULAR INDICATORGREEN CIRCULAR INDICATORRED ARROWYELLOW ARROWGREEN ARROW

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING.

EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH PROPOSED SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. CABINET WIRING WILL BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. A-B).

CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
4. THE CONTRACTOR SHALL HAVE THE PULLBOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING THE SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
7. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.

STRUCTURE NUMBERS	
SB2	= S-XX-XXXX
SB5	= S-XX-XXXX
SB7	= S-XX-XXXX
SB11	= S-XX-XXXX

TRAFFIC CONTROL SIGNAL
STH 38/CTH G (6 MILE RD) &
STH 38/W RIVER RD
VILLAGE OF CALEDONIA
RACINE COUNTY

SIGNAL NO. S51-1063CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE

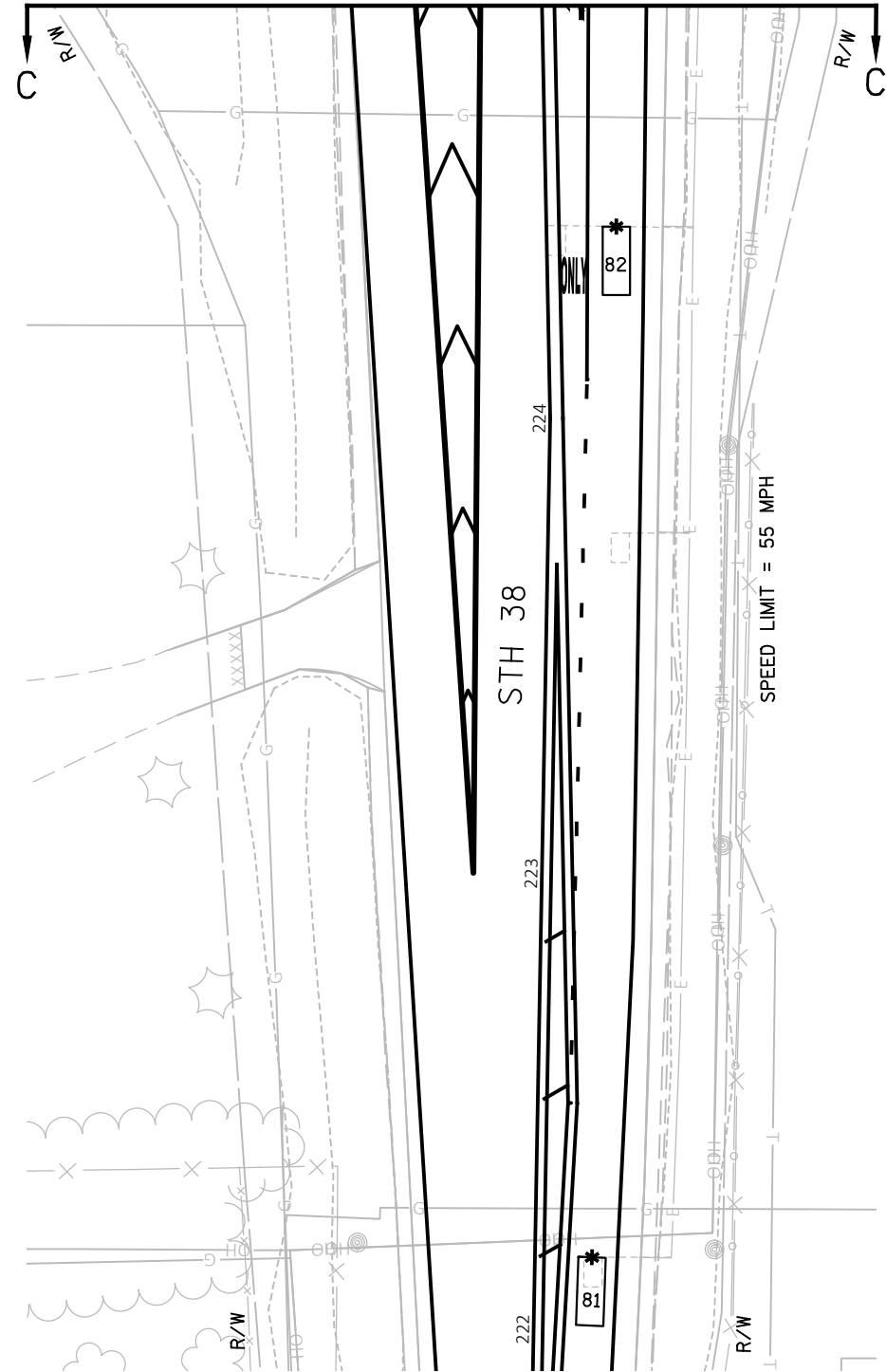
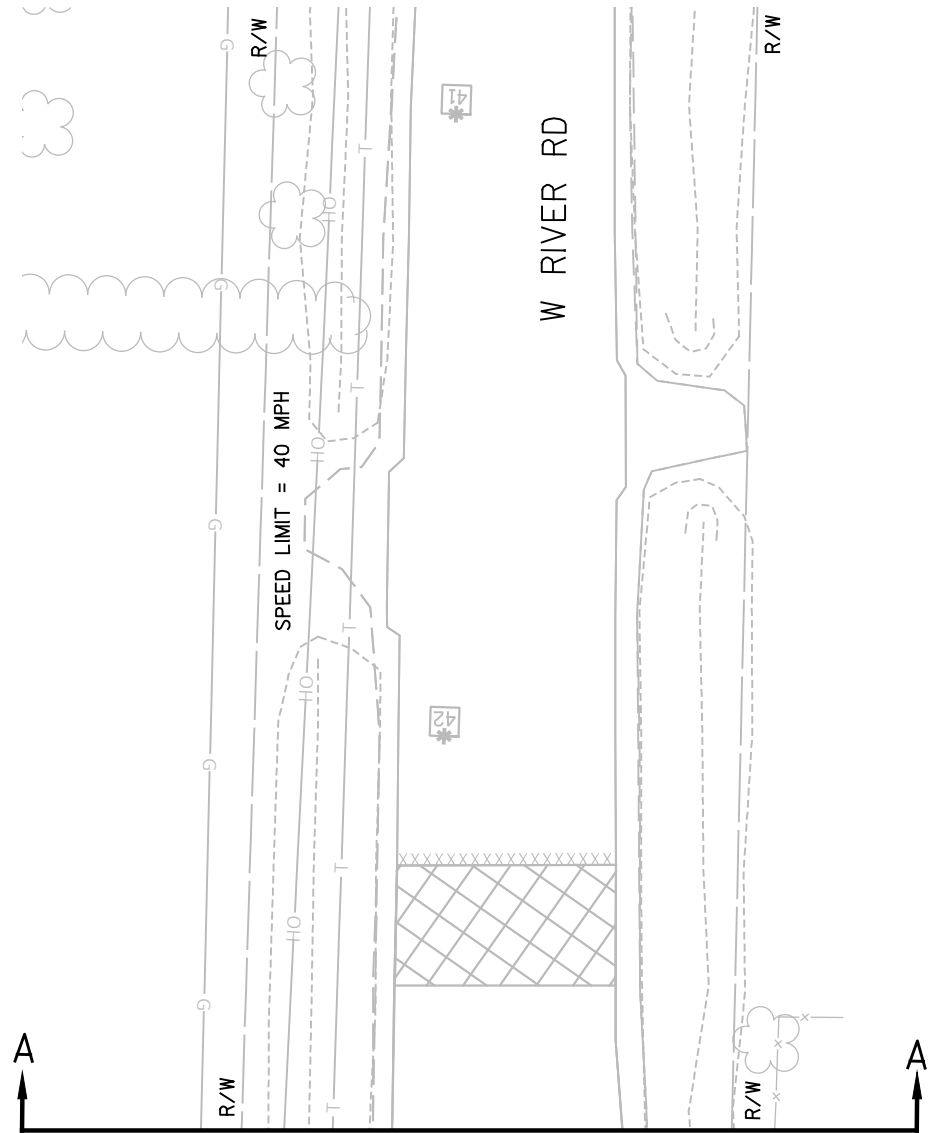
WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 11/23/09ELIZABETH LLOYD-WEIS
REGION TRAFFIC ENGINEER

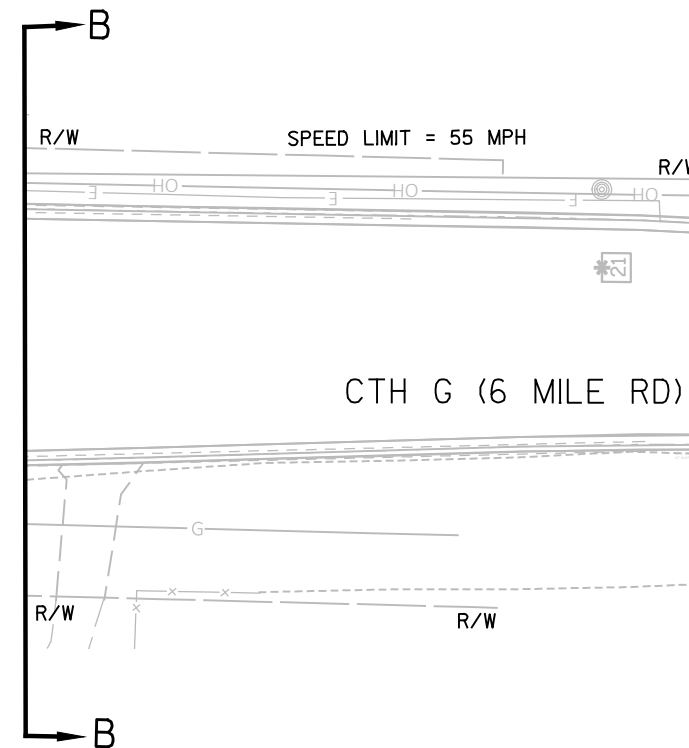
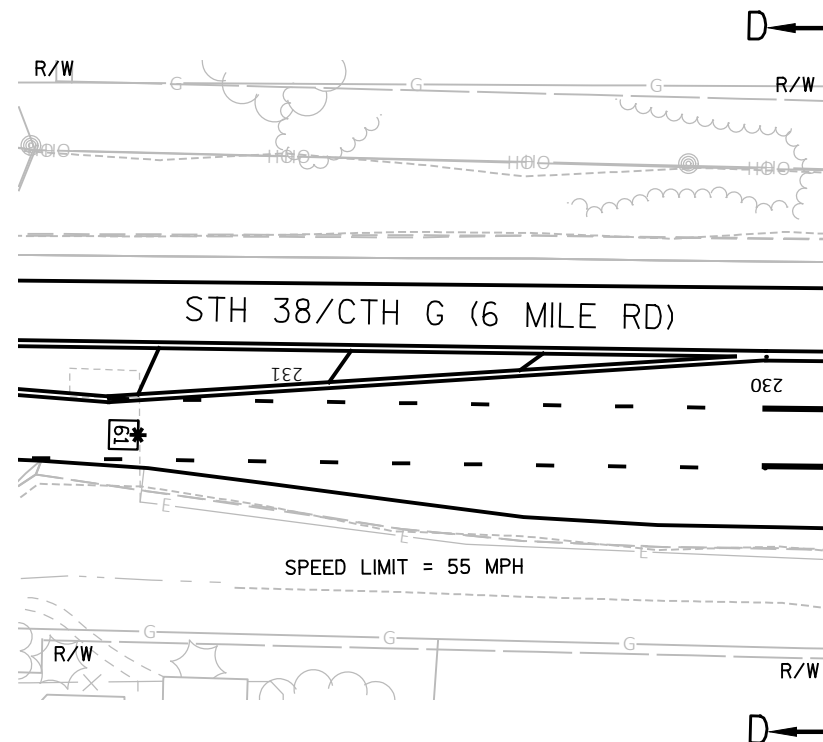
APPROVED
DATE 11/24/09JOANNA L. BUSH
STATE TRAFFIC ENGINEER

REGION CONTACT: D. WOLFORD
DESIGNED BY: TADI
REVISED BY:

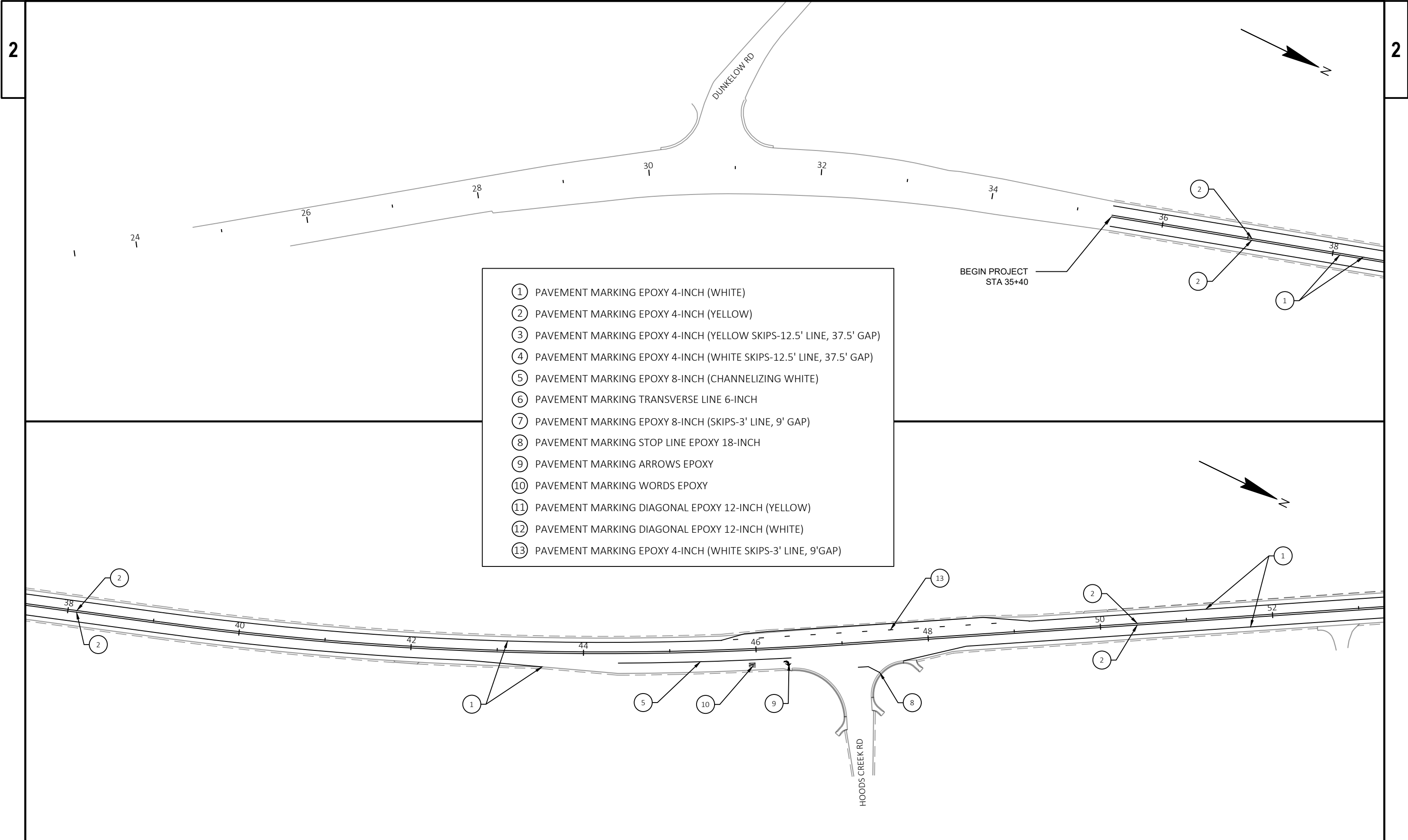
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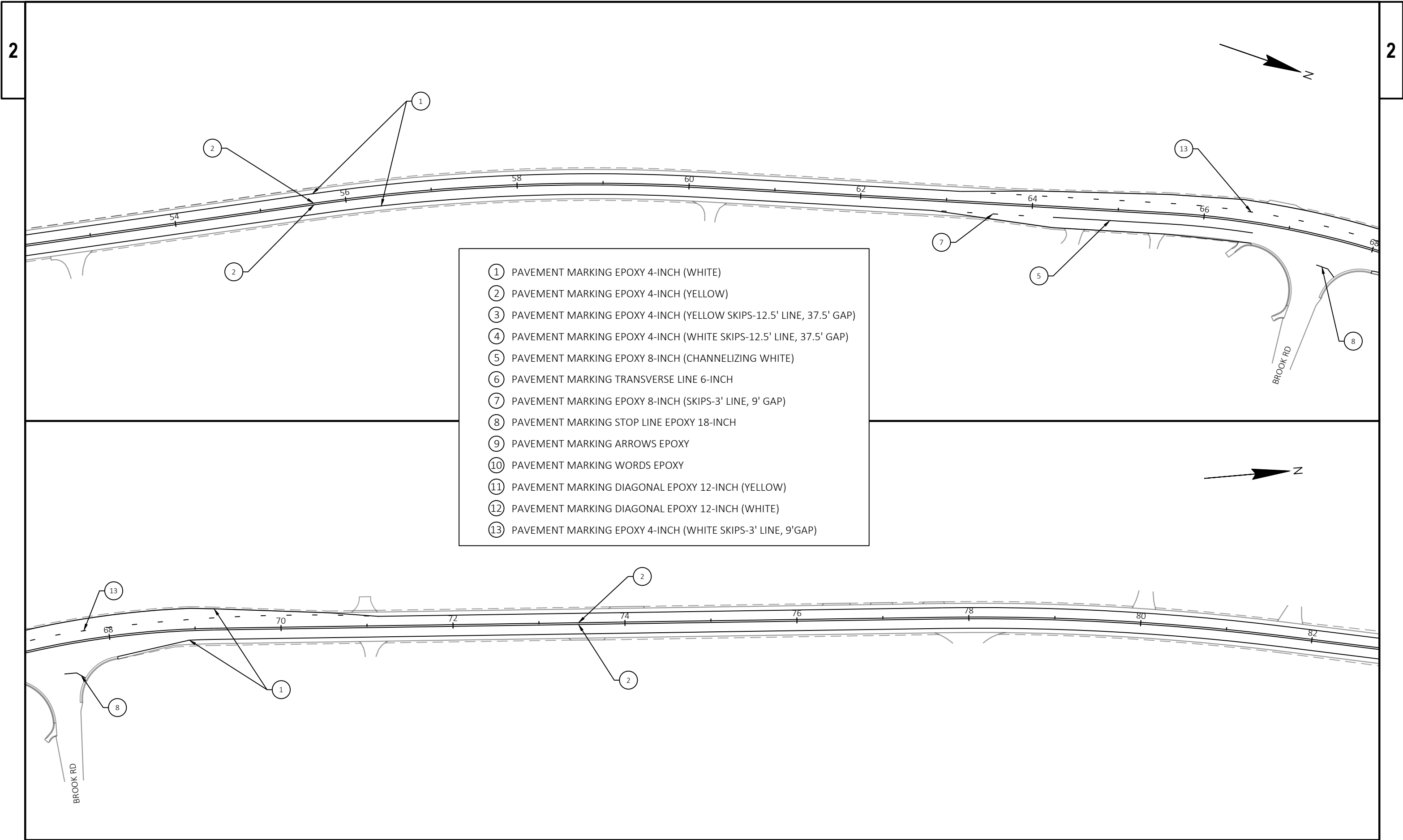
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SIGNAL No.S51-1063	
REGION CONTACT: D. WOLFORD DESIGNED BY: TADI REVISED BY:	PAGE 2 OF 4



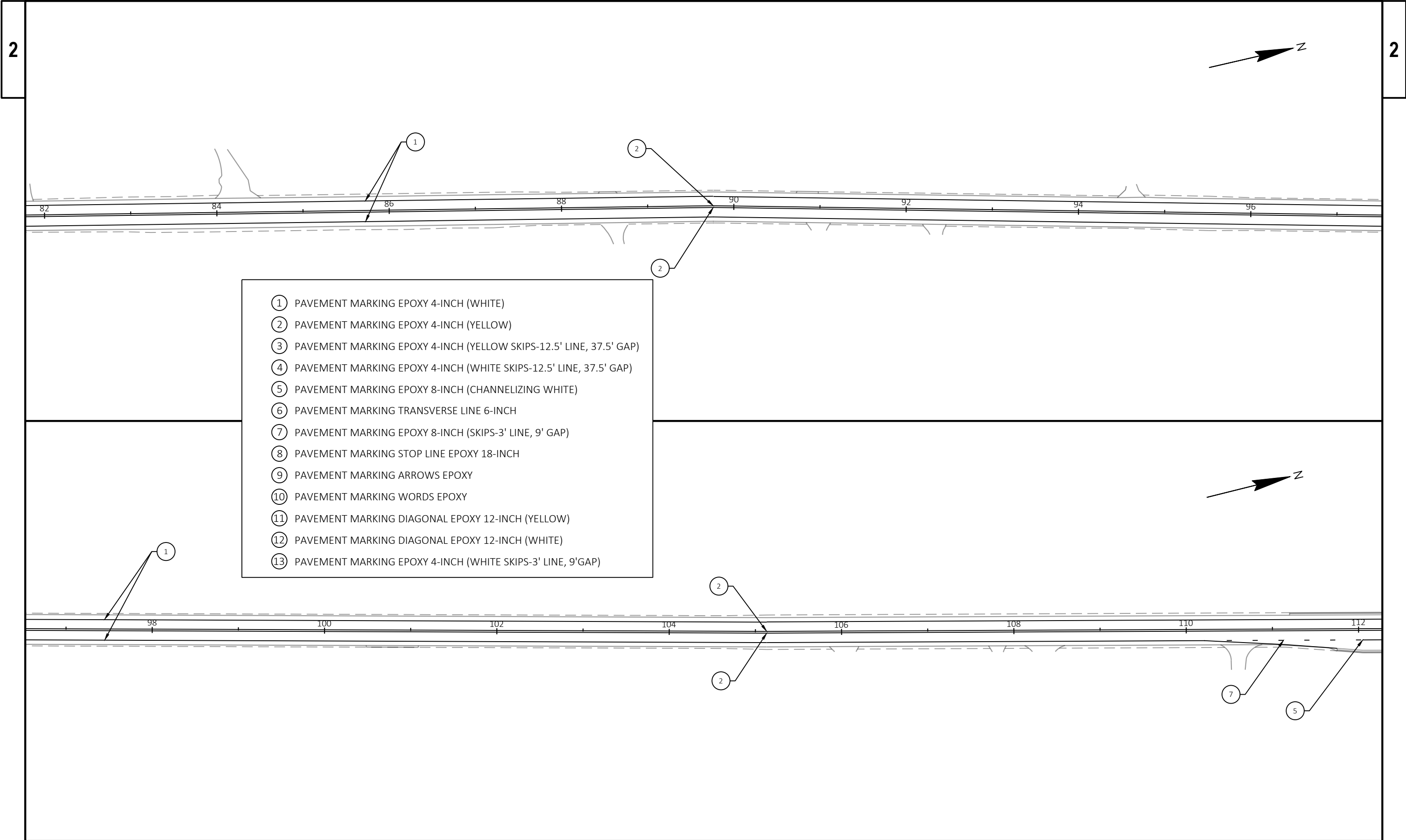
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STH 38/CTHG (6 MILE RD) & STH 38/W RIVER RD VILLAGE OF CALEDONIA RACINE COUNTY	
SIGNAL No.S51-1063	
REGION CONTACT: D. WOLFORD DESIGNED BY: TADI REVISED BY:	PAGE 3 OF 4



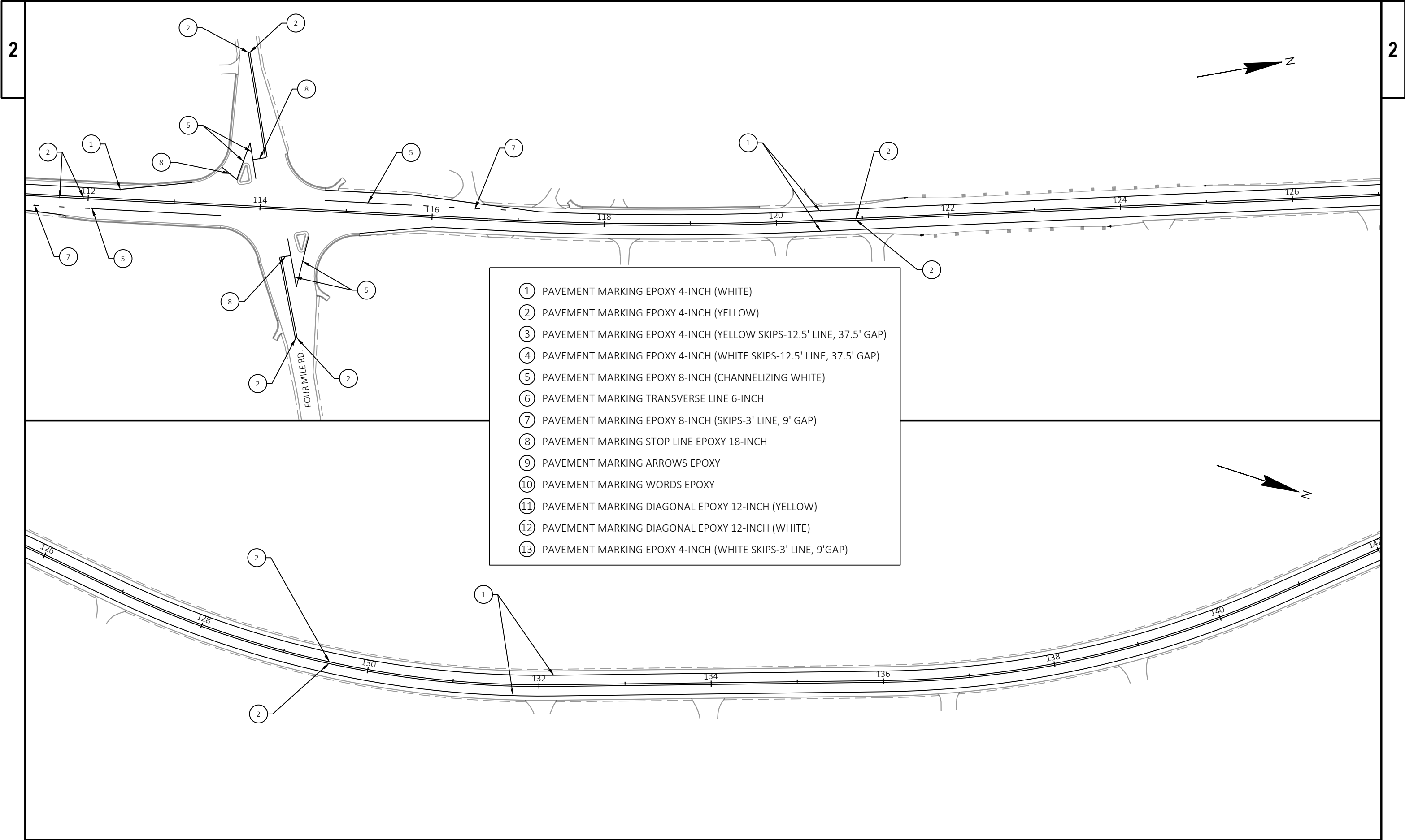
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- ② PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- ③ PAVEMENT MARKING EPOXY 4-INCH (YELLOW SKIPS-12.5' LINE, 37.5' GAP)
- ④ PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIPS-12.5' LINE, 37.5' GAP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (CHANNELIZING WHITE)
- ⑥ PAVEMENT MARKING TRANSVERSE LINE 6-INCH
- ⑦ PAVEMENT MARKING EPOXY 8-INCH (SKIPS-3' LINE, 9' GAP)
- ⑧ PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- ⑨ PAVEMENT MARKING ARROWS EPOXY
- ⑩ PAVEMENT MARKING WORDS EPOXY
- ⑪ PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
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- ⑬ PAVEMENT MARKING EPOXY 4-INCH (WHITE SKIPS-3' LINE, 9'GAP)



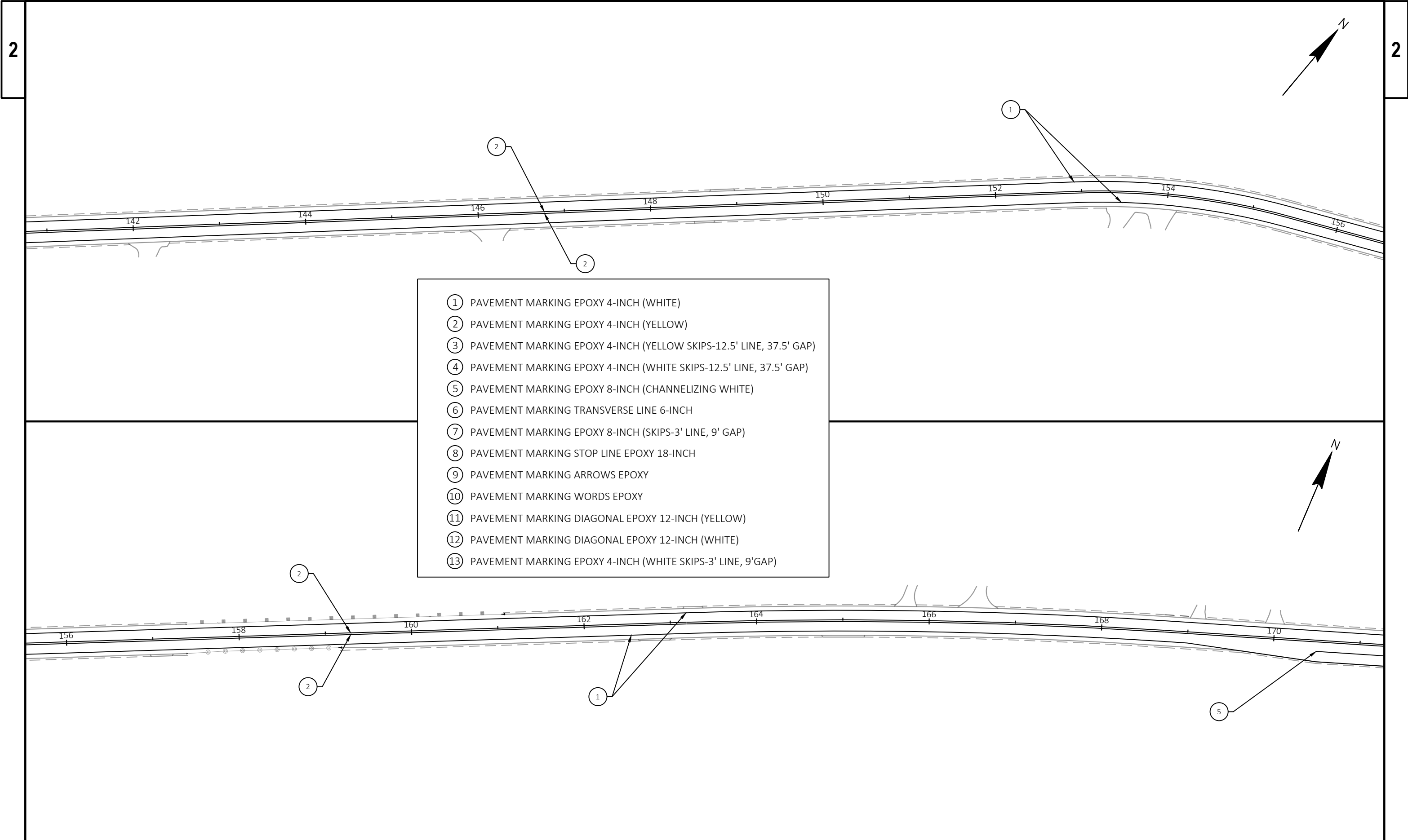
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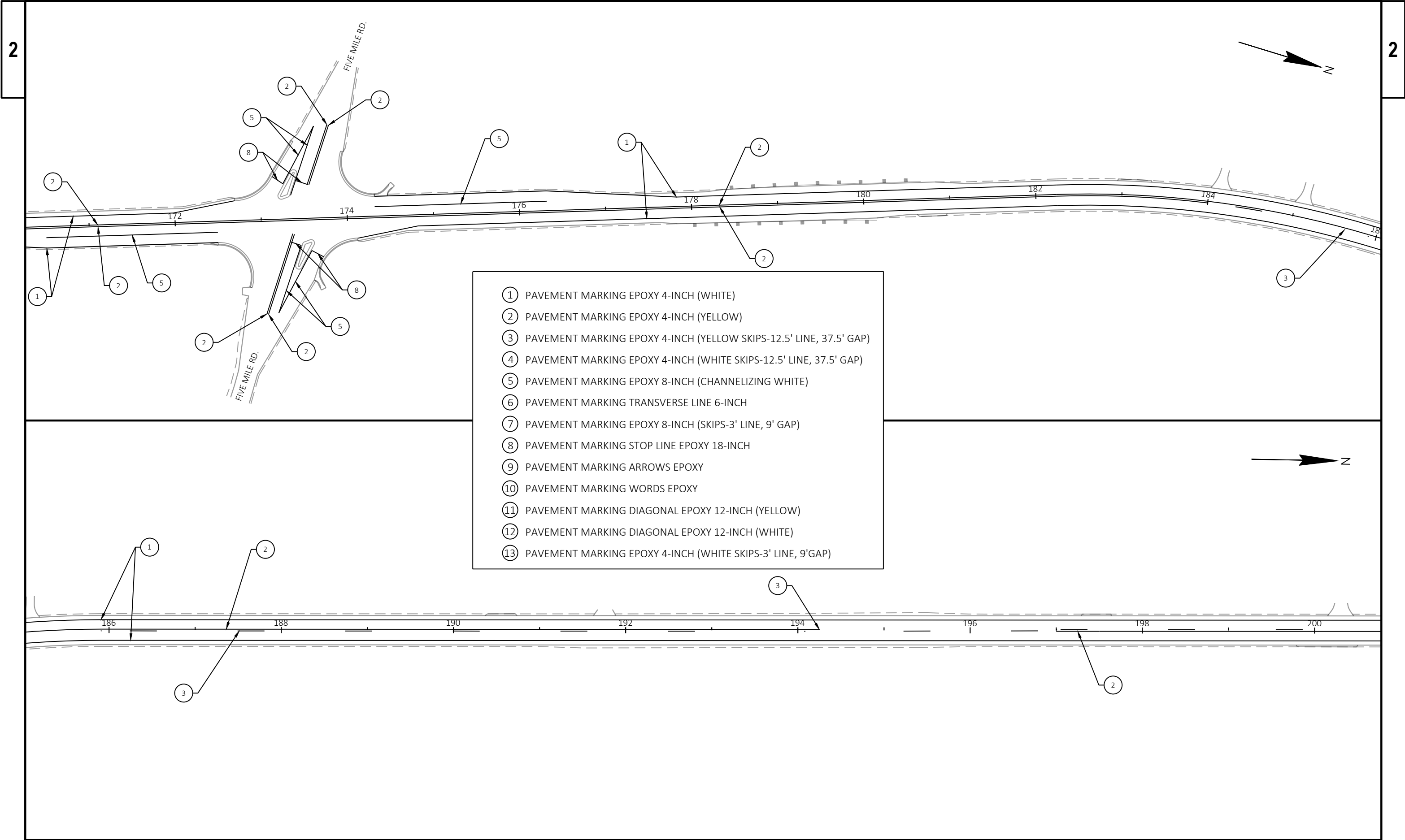


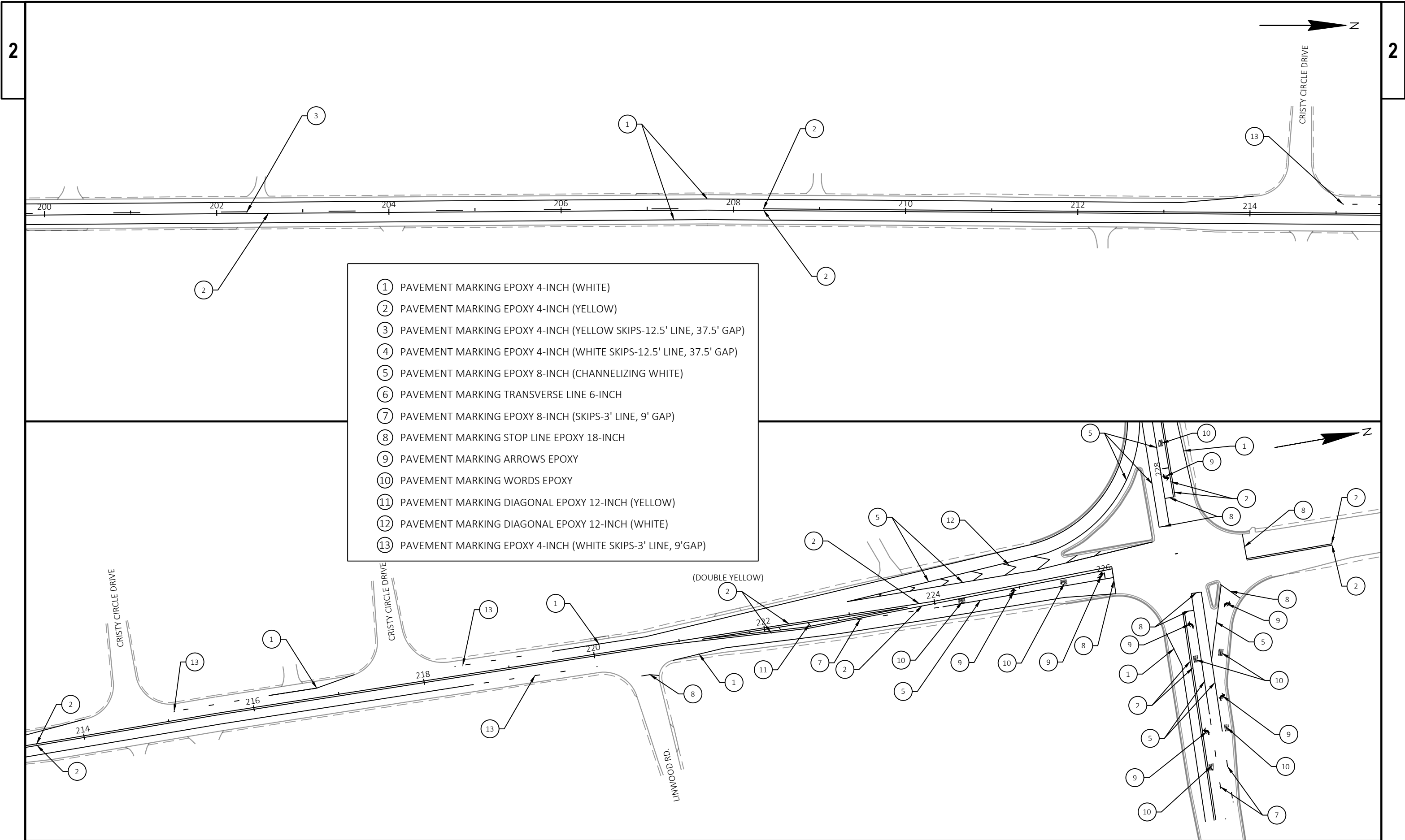
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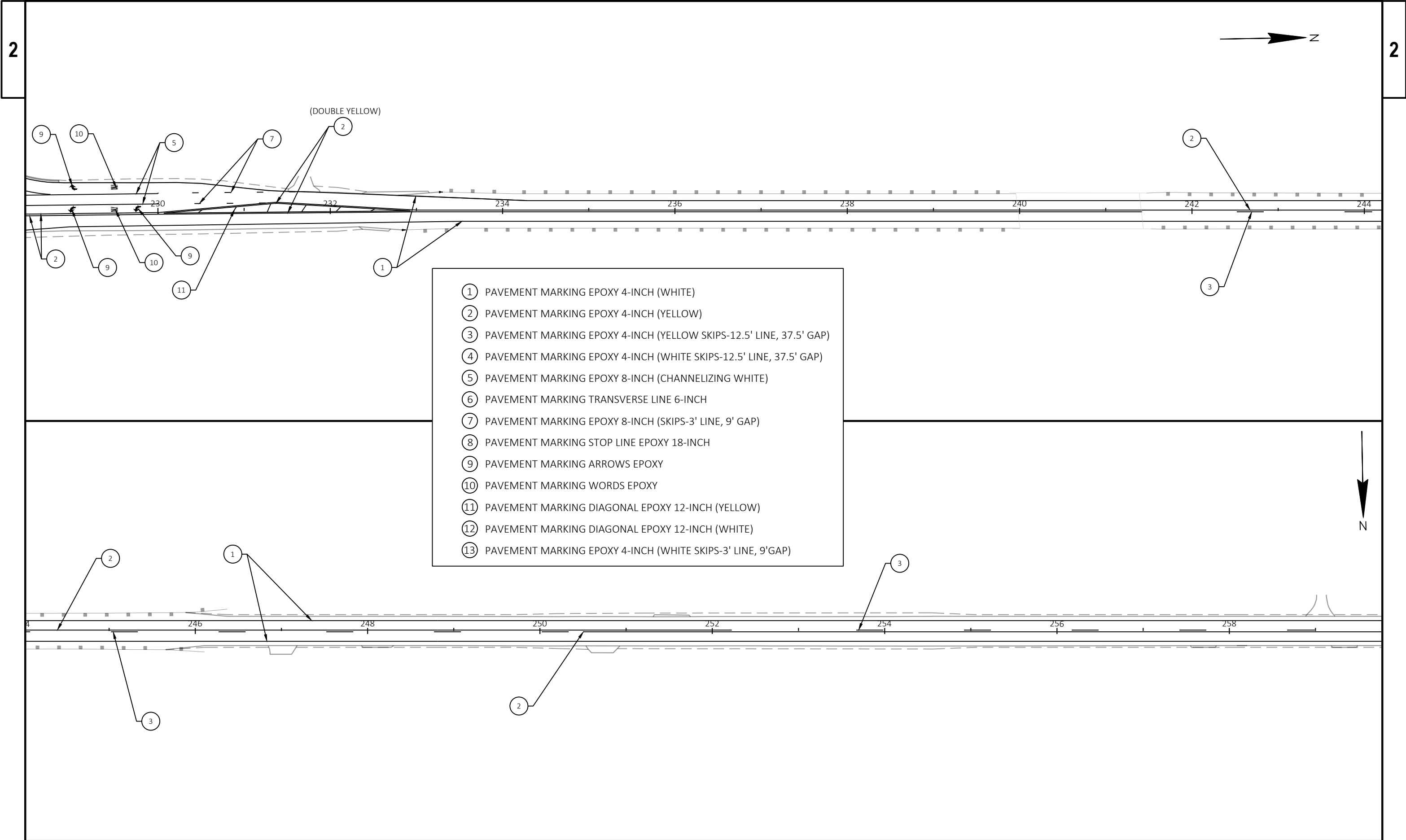


PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PAVEMENT MARKING	SHEET	E
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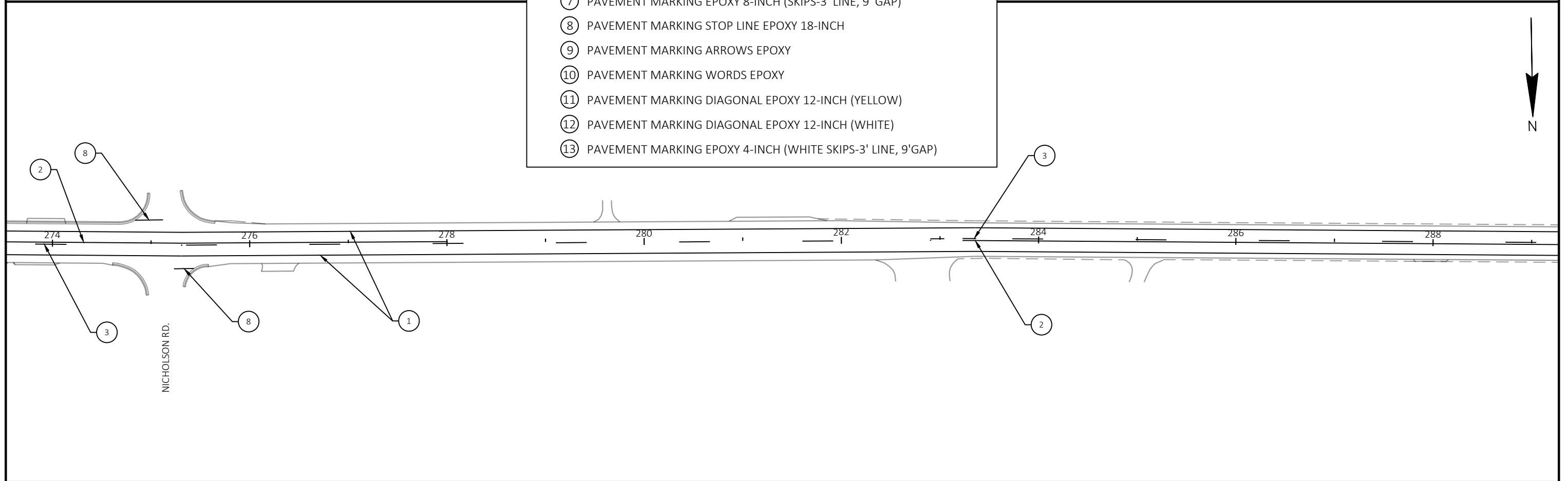


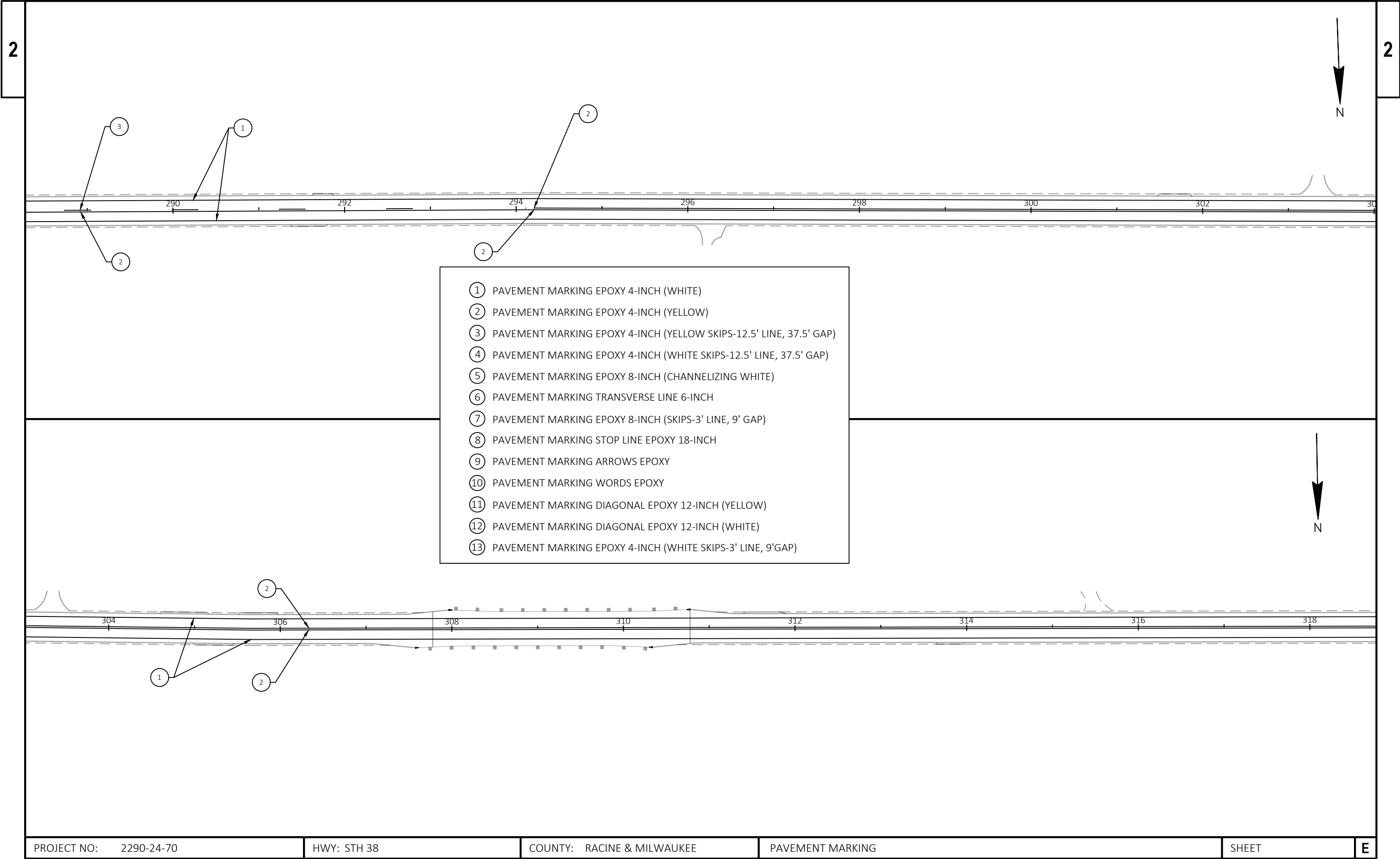


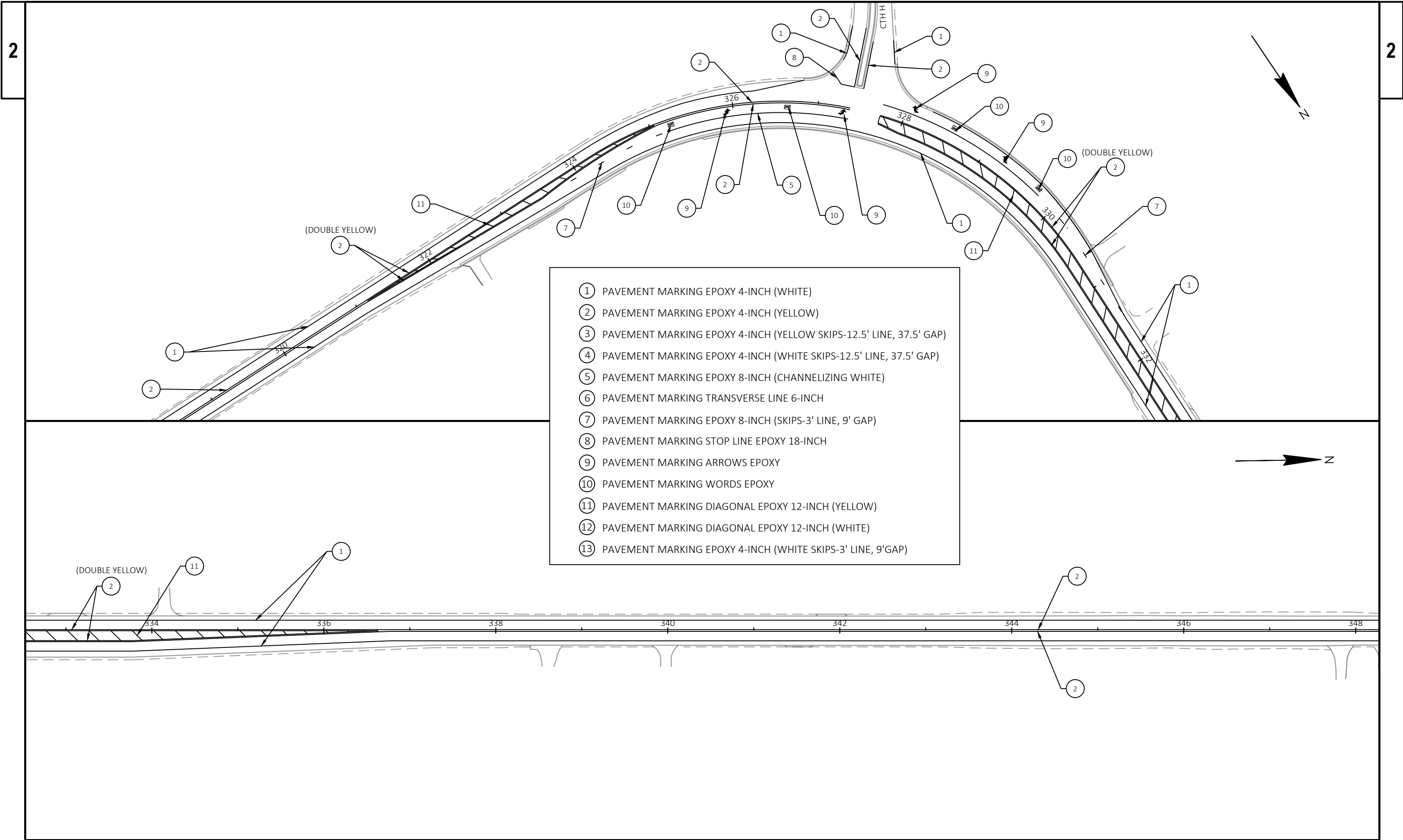


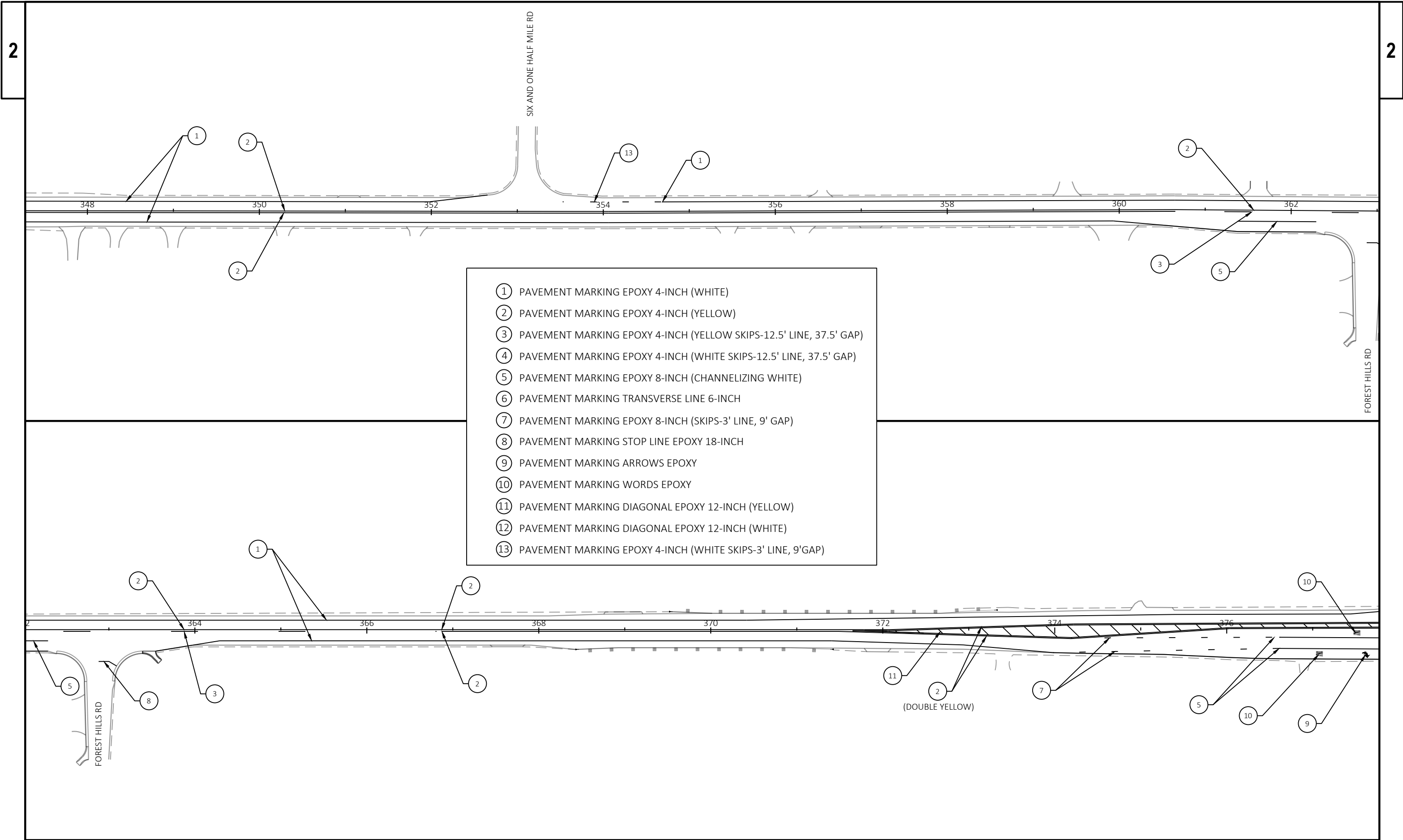


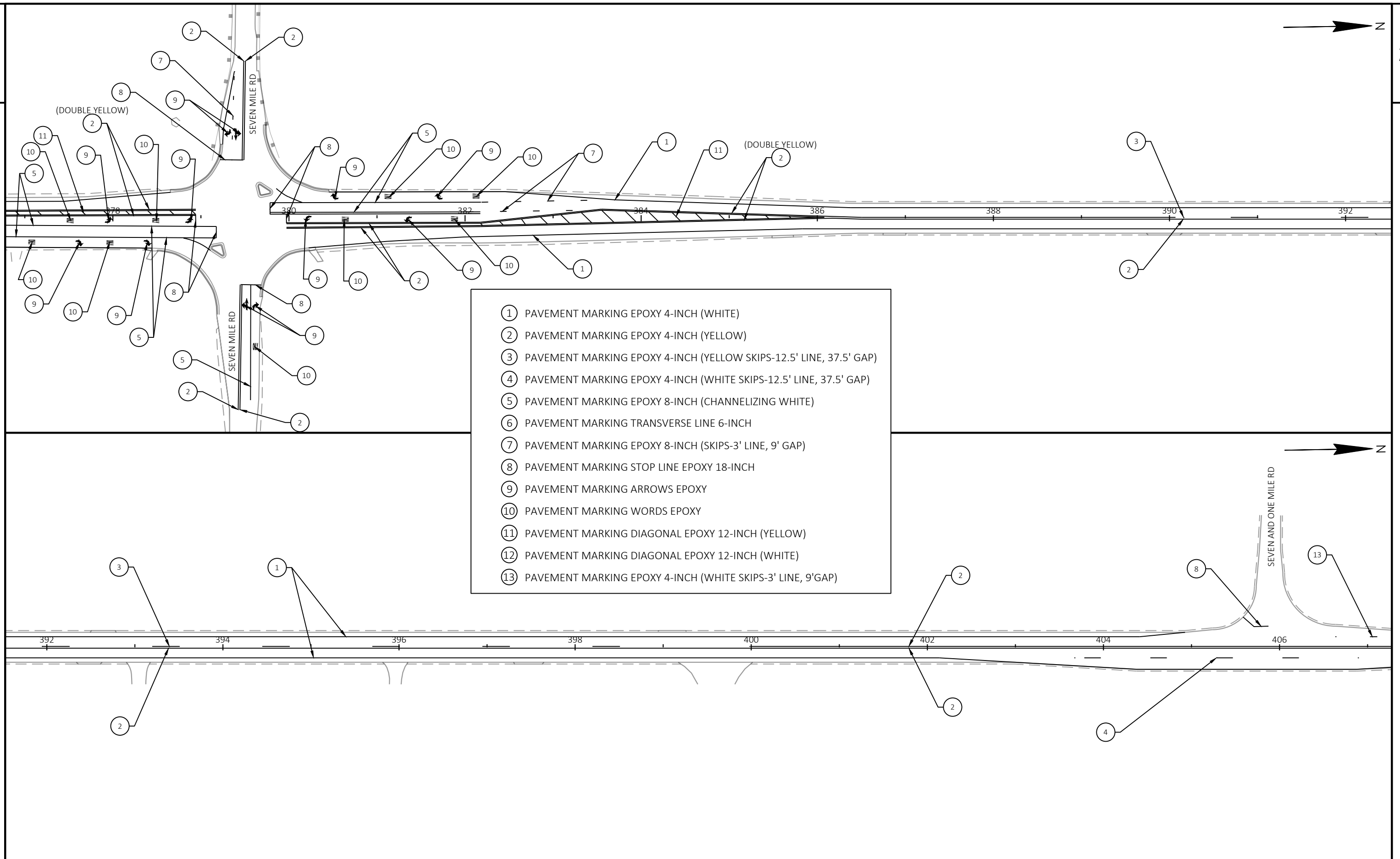
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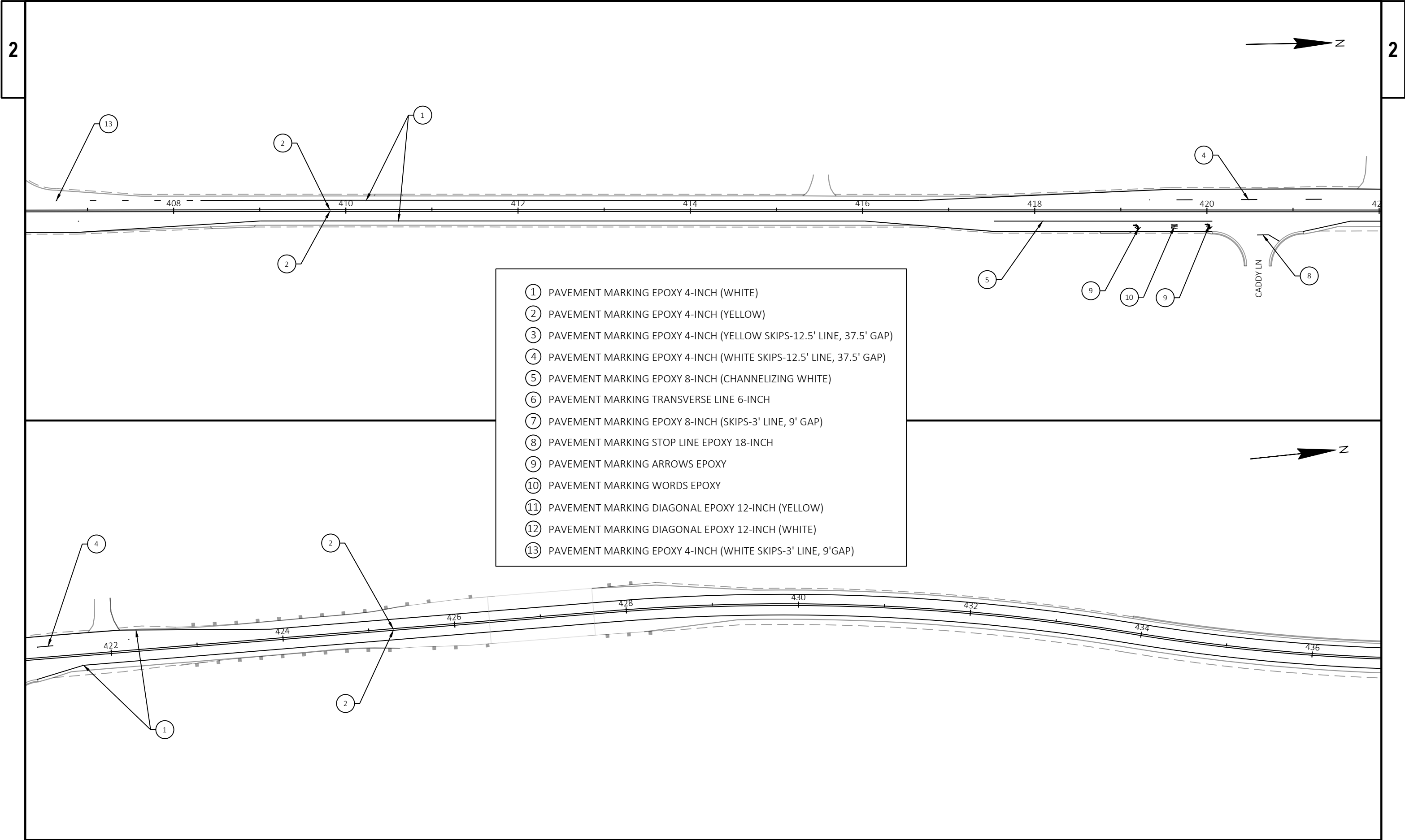


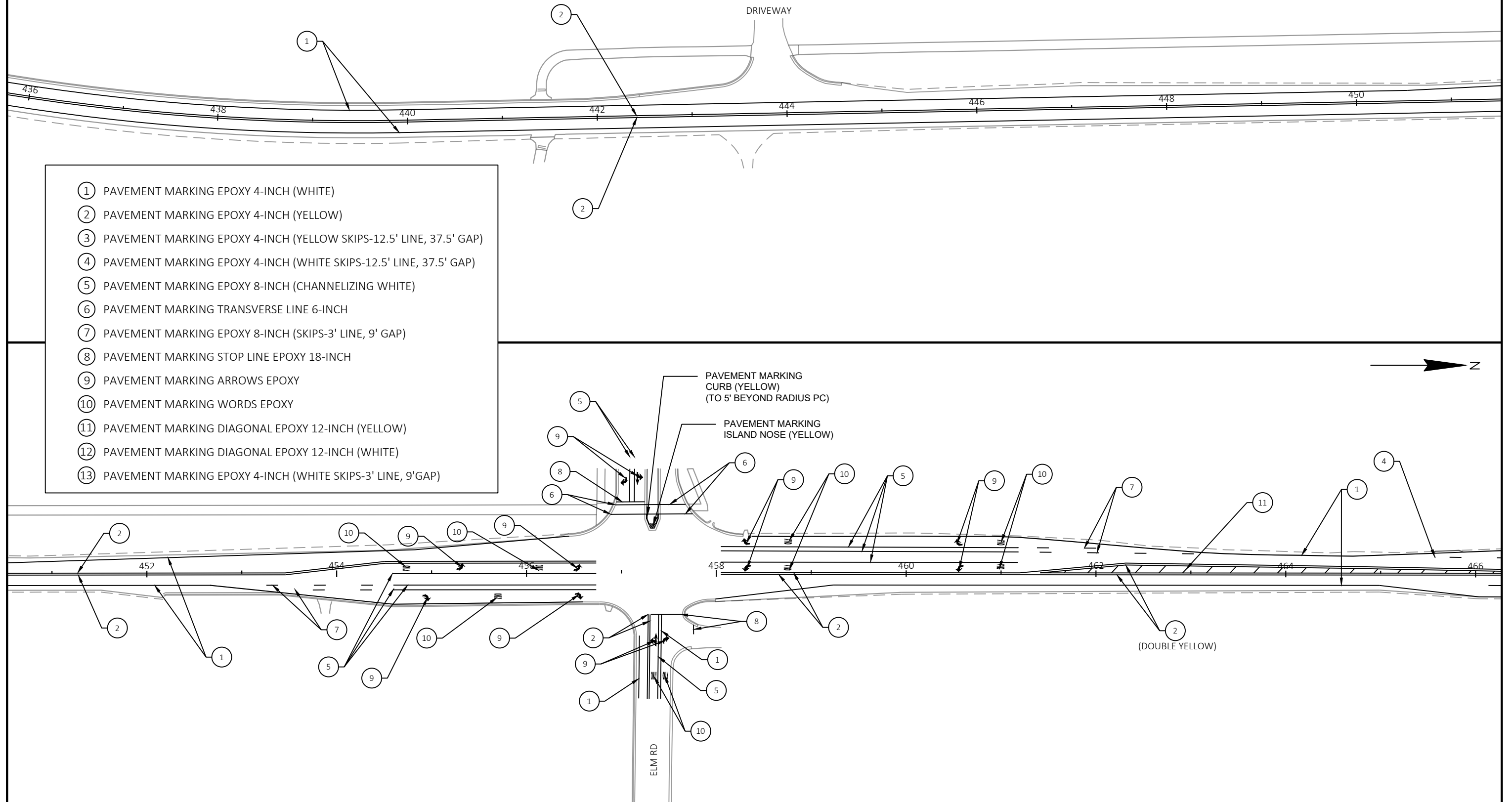












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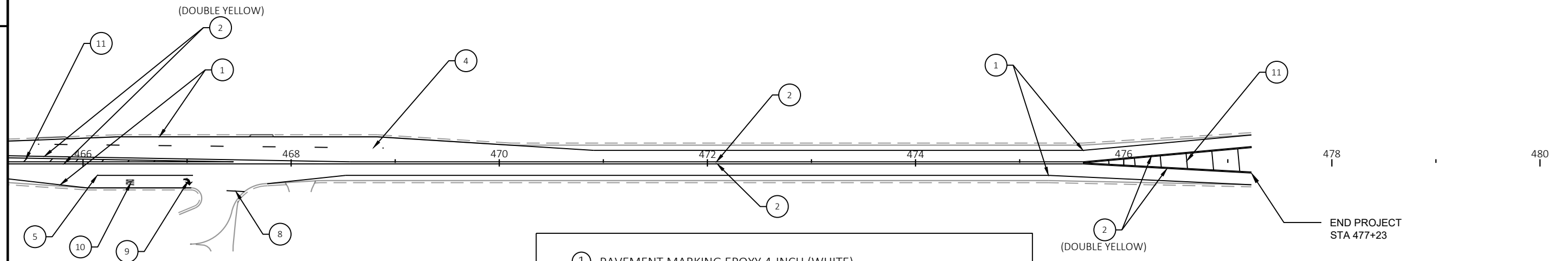
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COUNTY: RACINE & MILWAUKEE

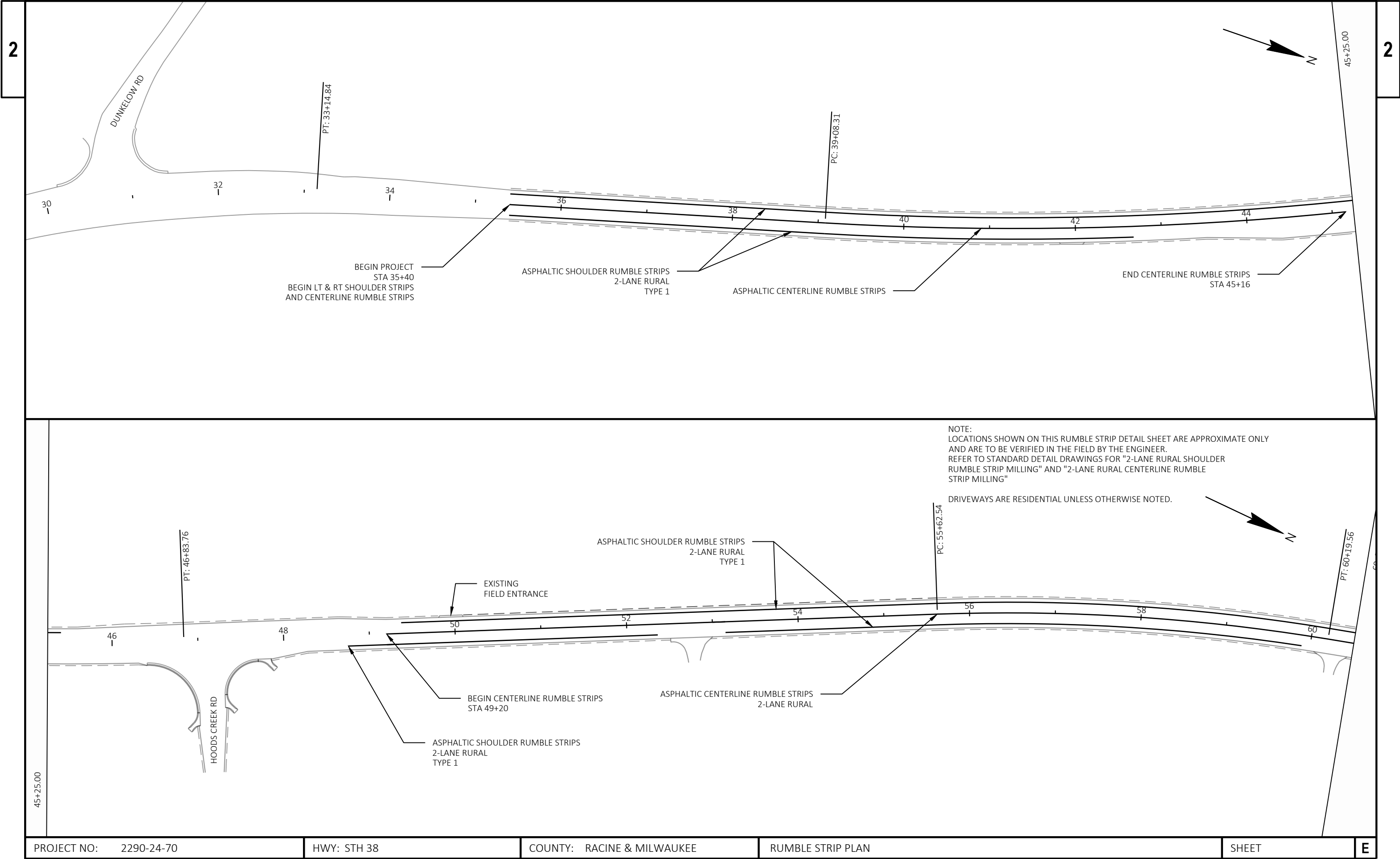
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SHEET

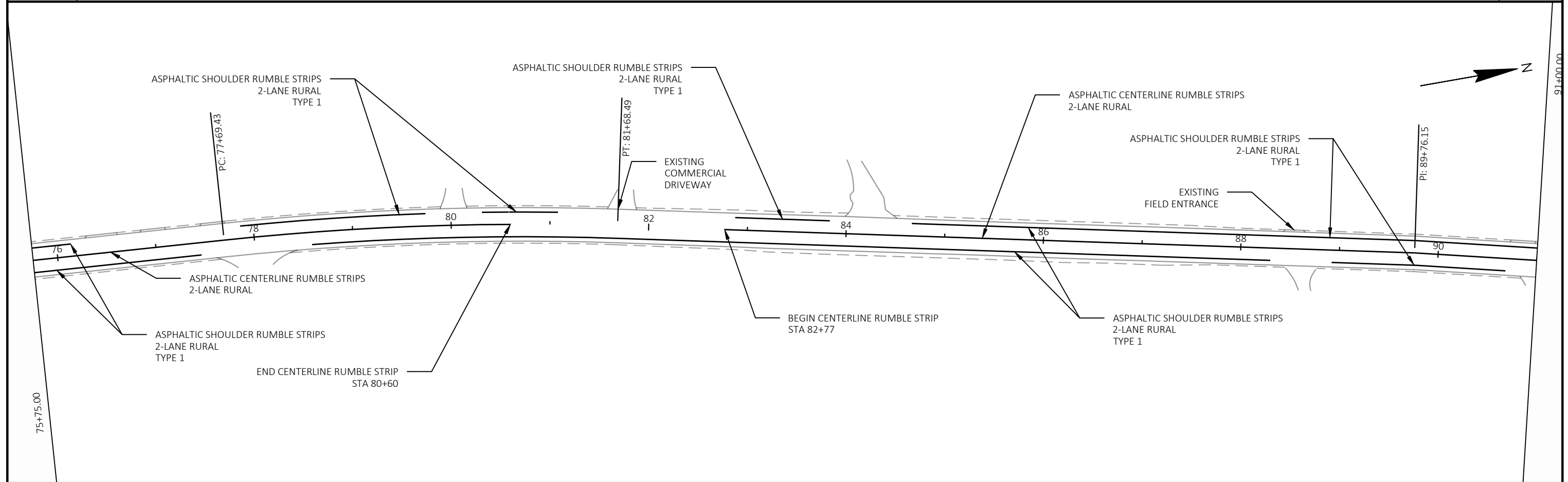
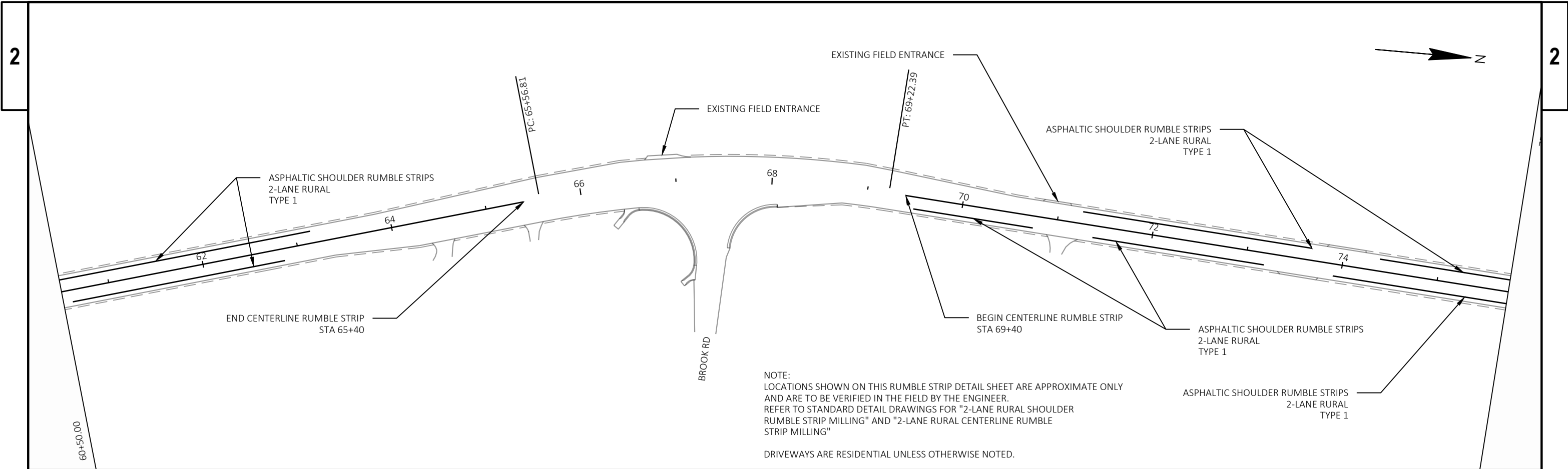
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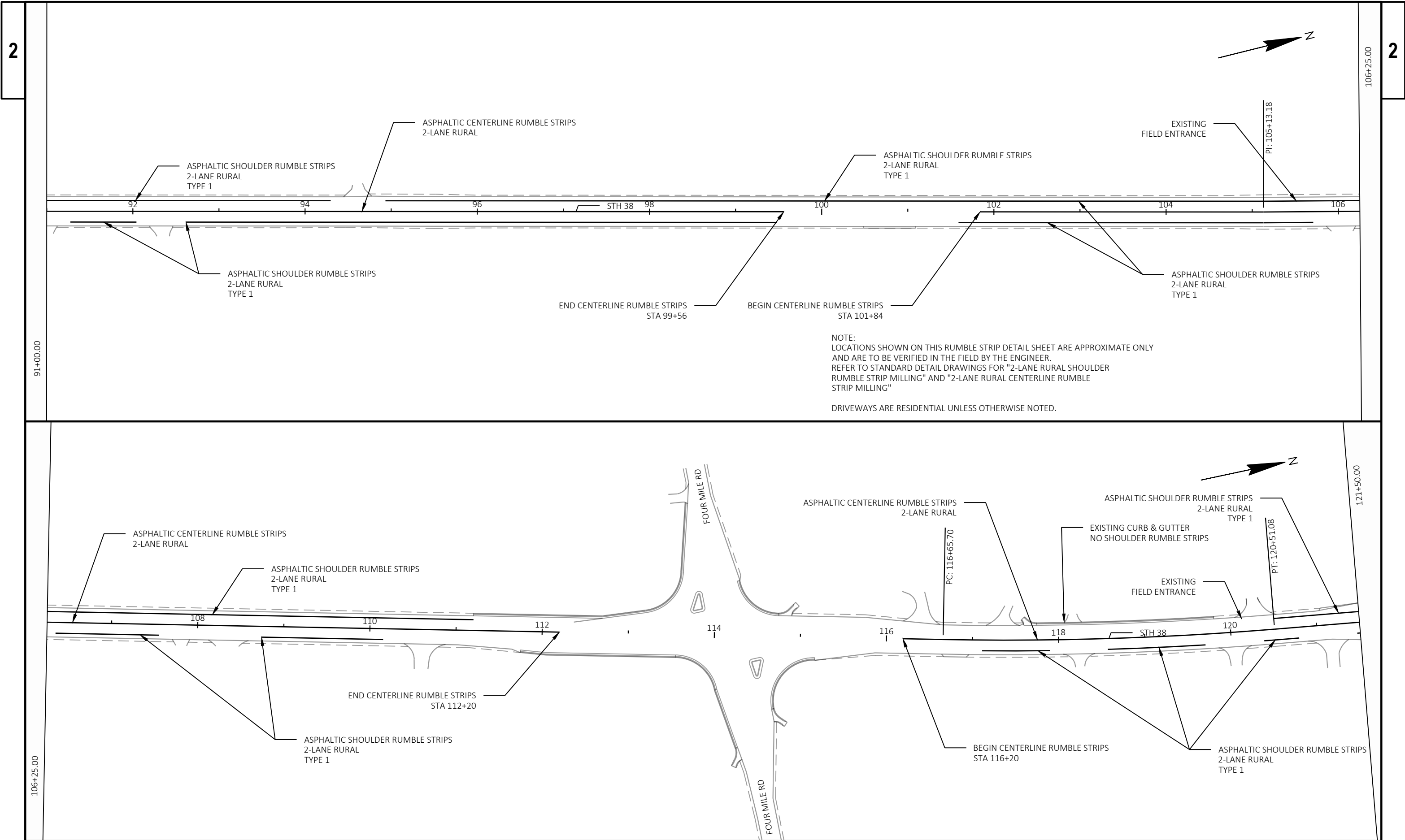


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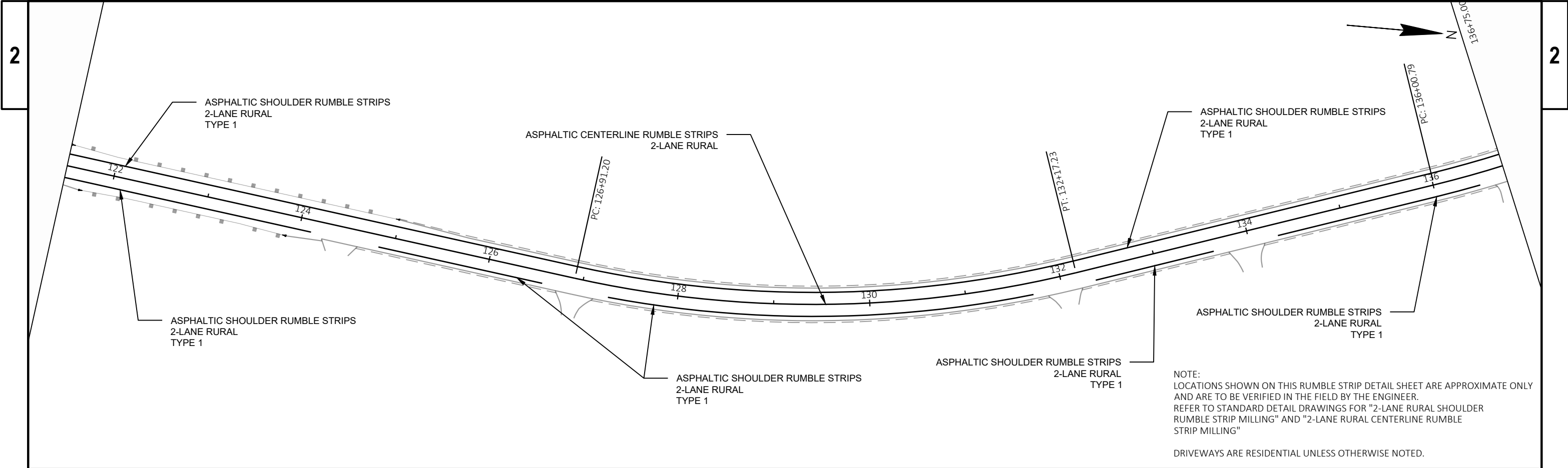


PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	RUMBLE STRIP PLAN	SHEET	E
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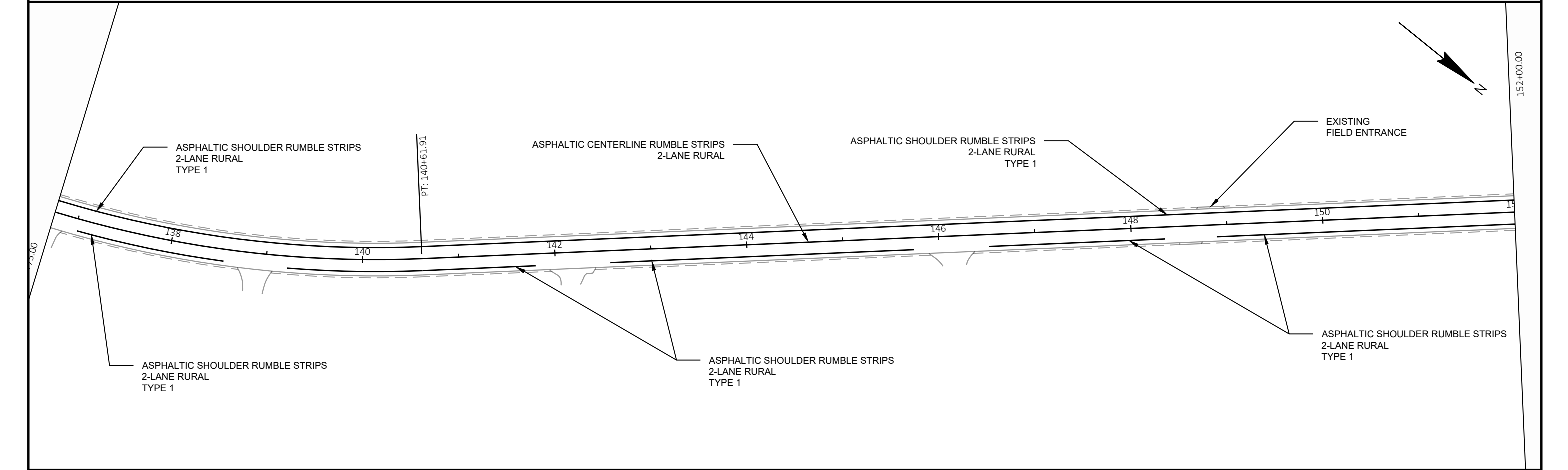


PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	RUMBLE STRIP PLAN	SHEET	E
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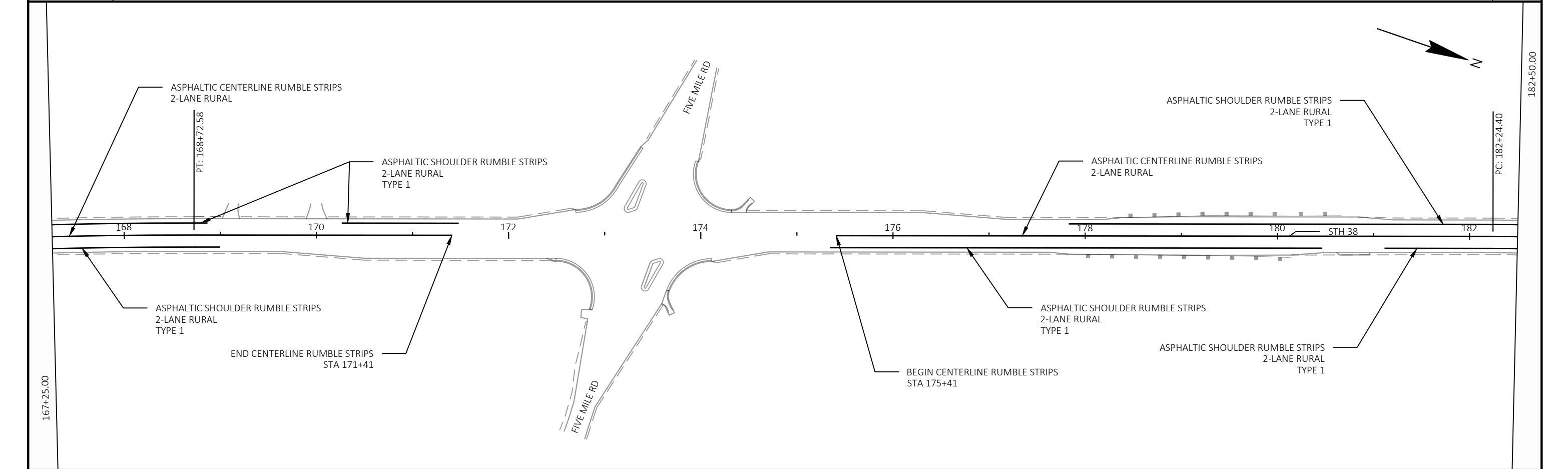
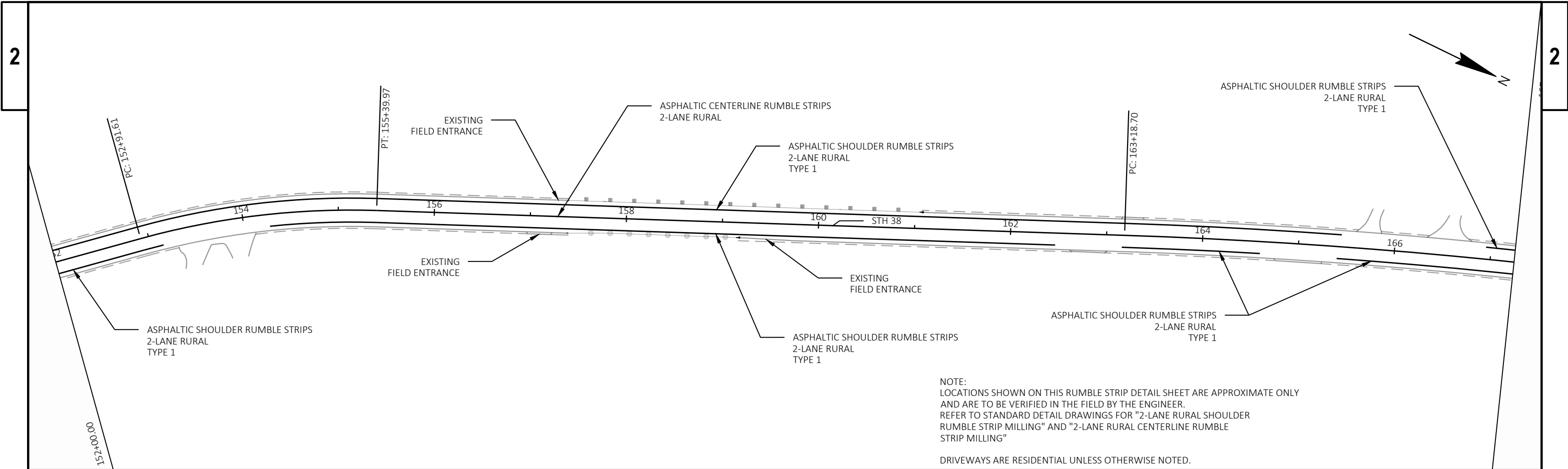


NOTE:
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AND ARE TO BE VERIFIED IN THE FIELD BY THE ENGINEER.
REFER TO STANDARD DETAIL DRAWINGS FOR "2-LANE RURAL SHOULDER
RUMBLE STRIP MILLING" AND "2-LANE RURAL CENTERLINE RUMBLE
STRIP MILLING"

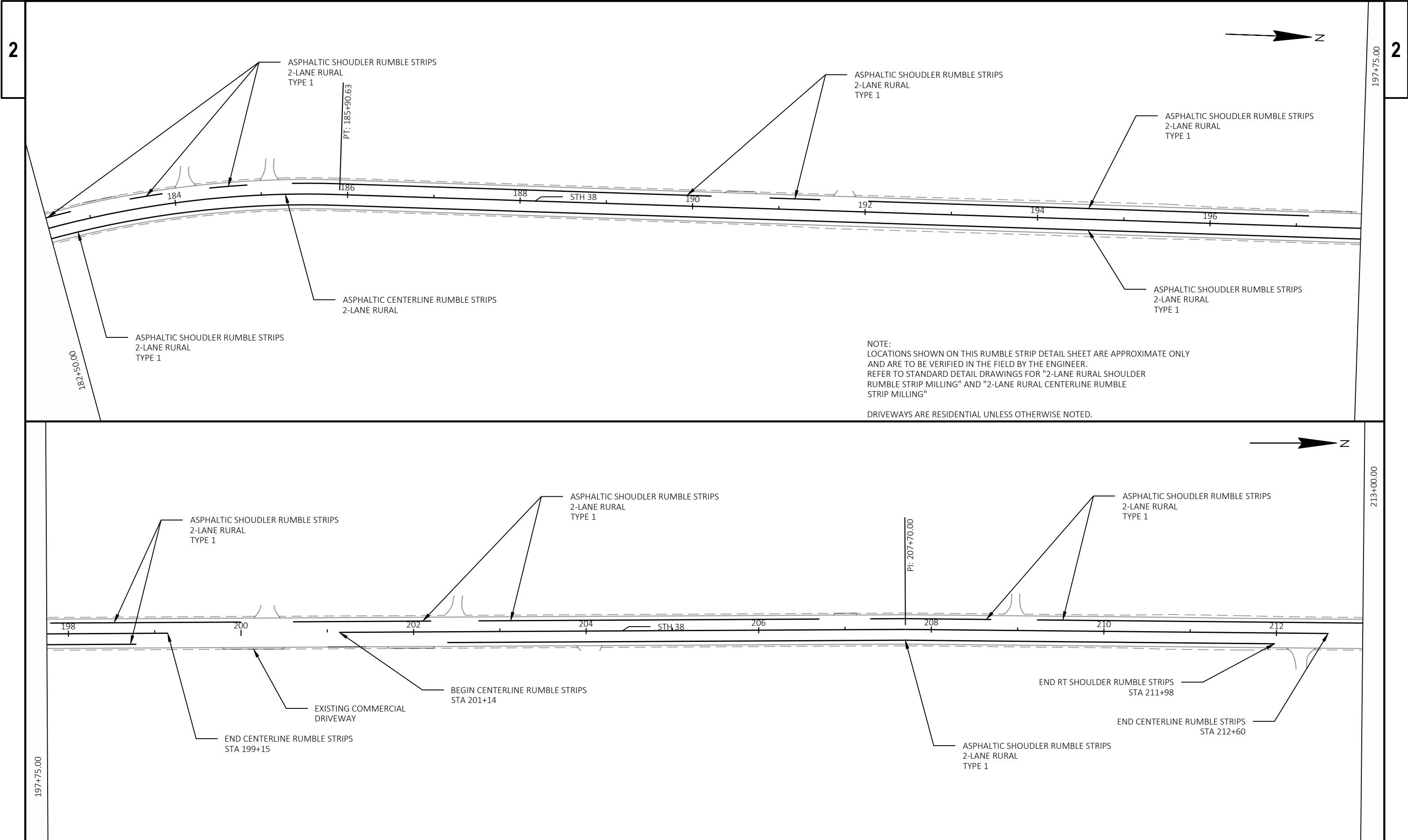
DRIVEWAYS ARE RESIDENTIAL UNLESS OTHERWISE NOTED.

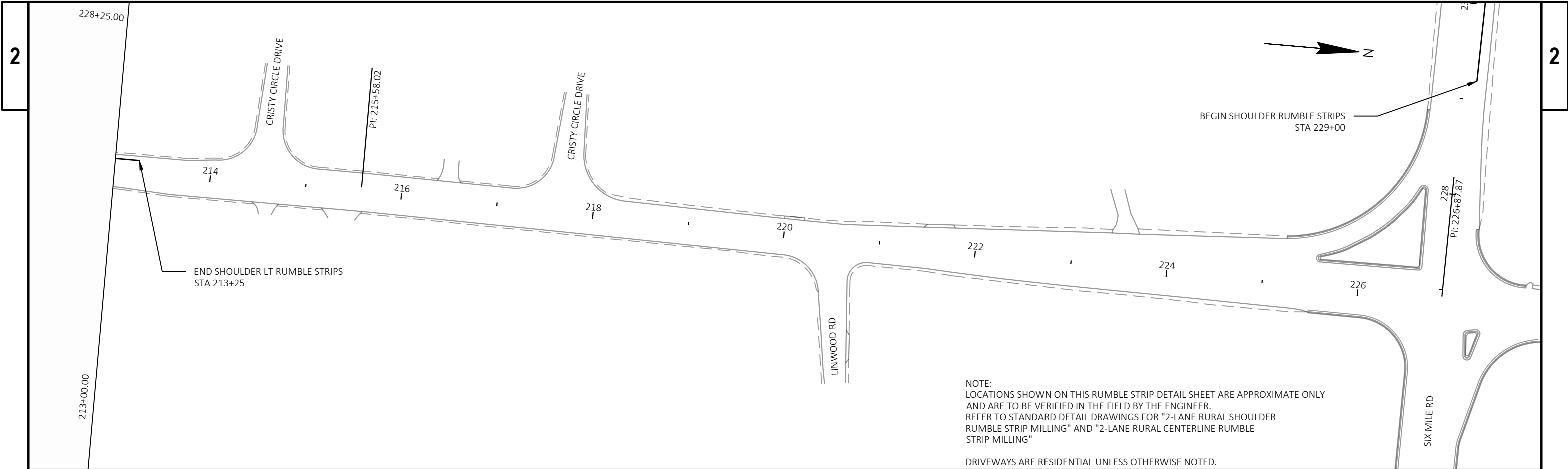


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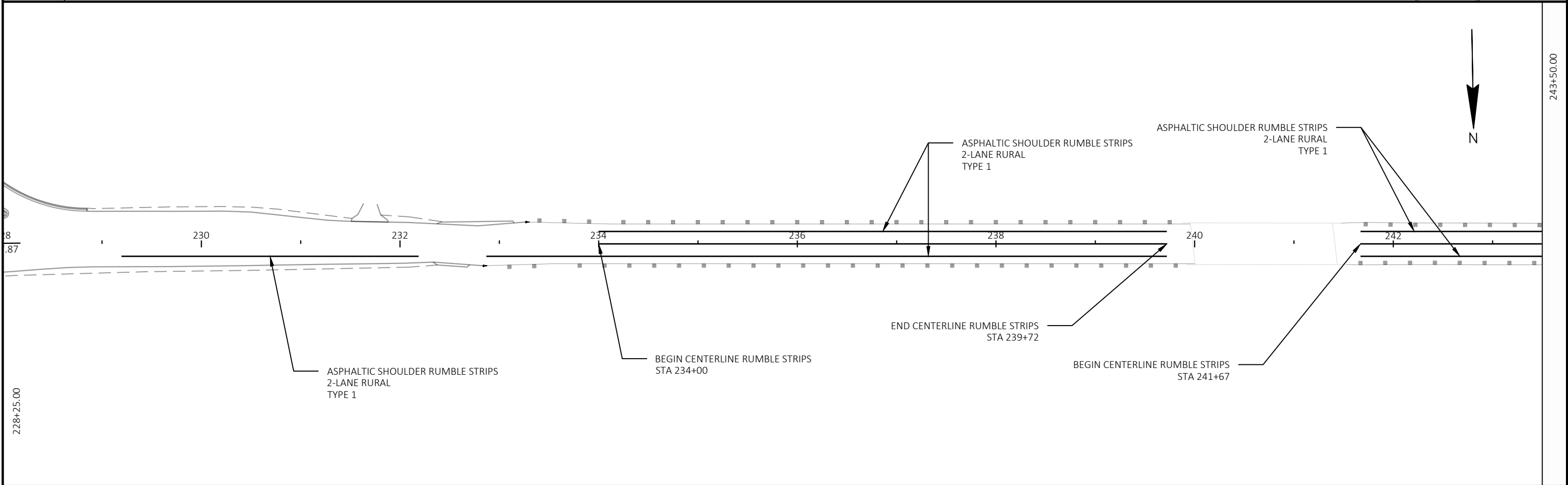
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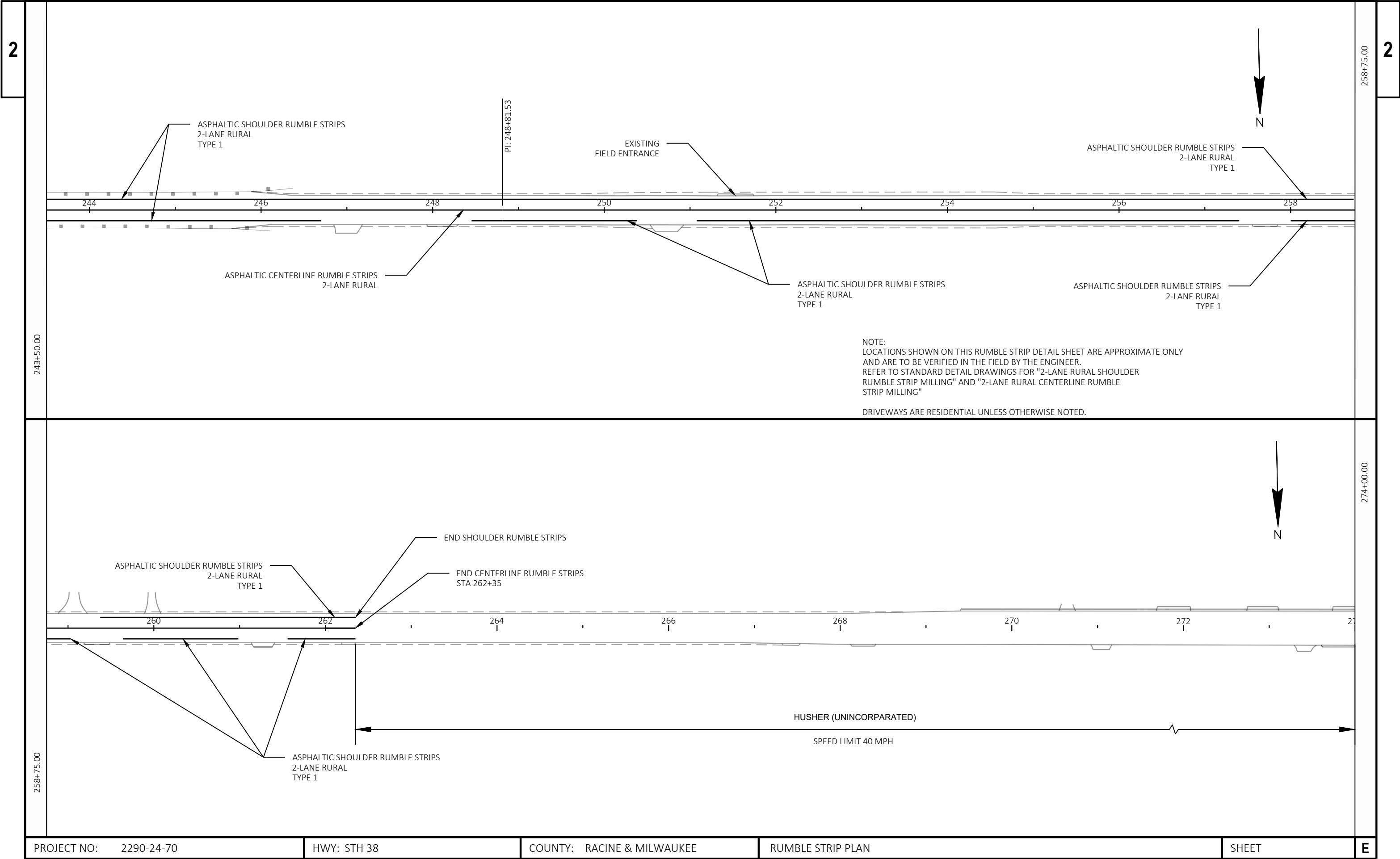


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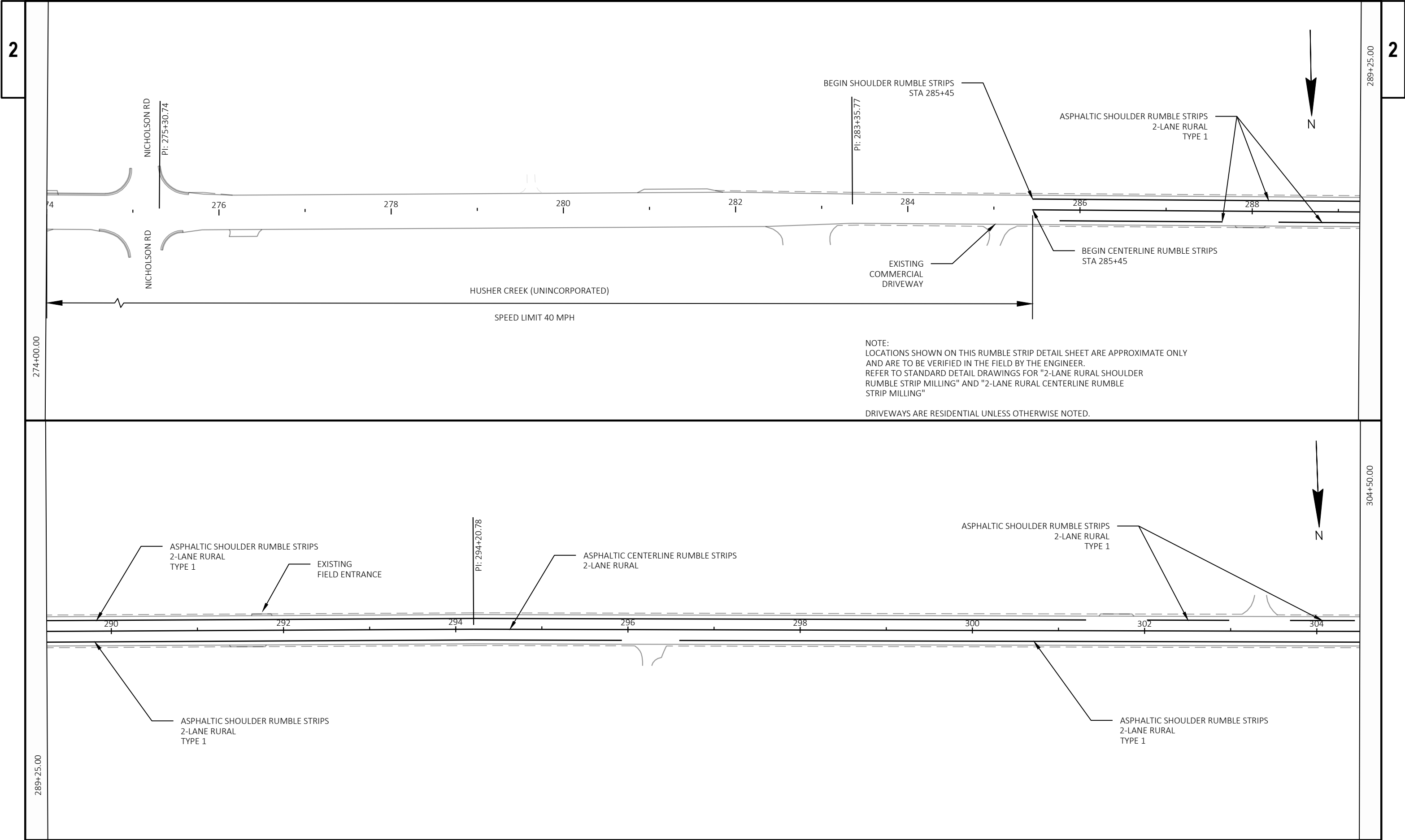
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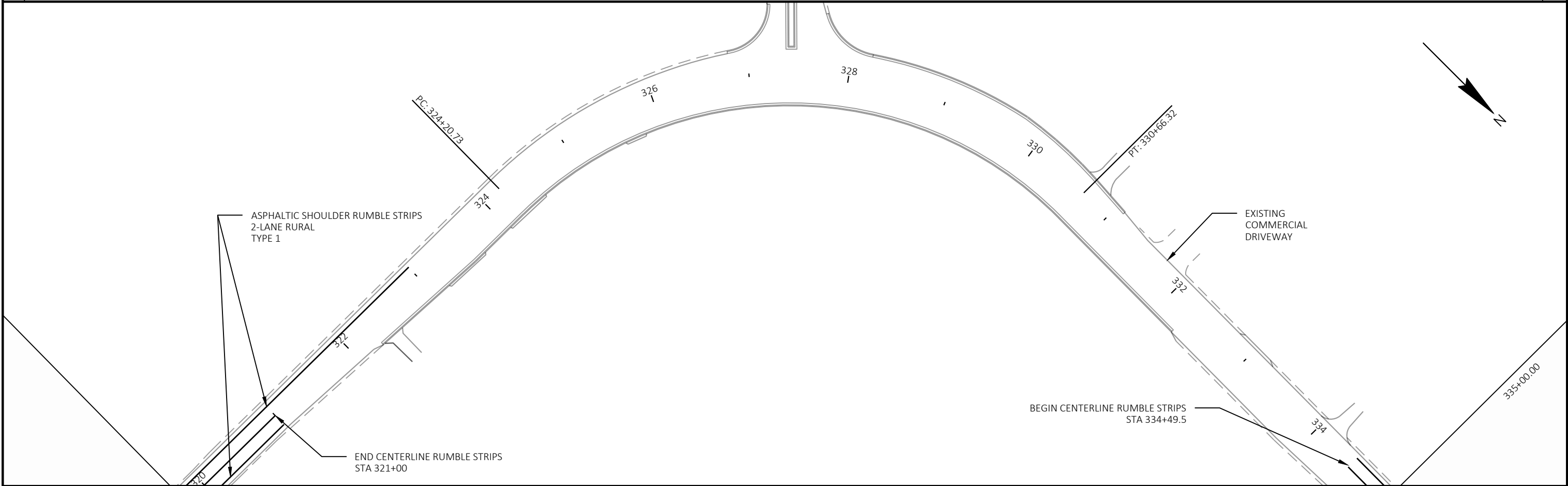
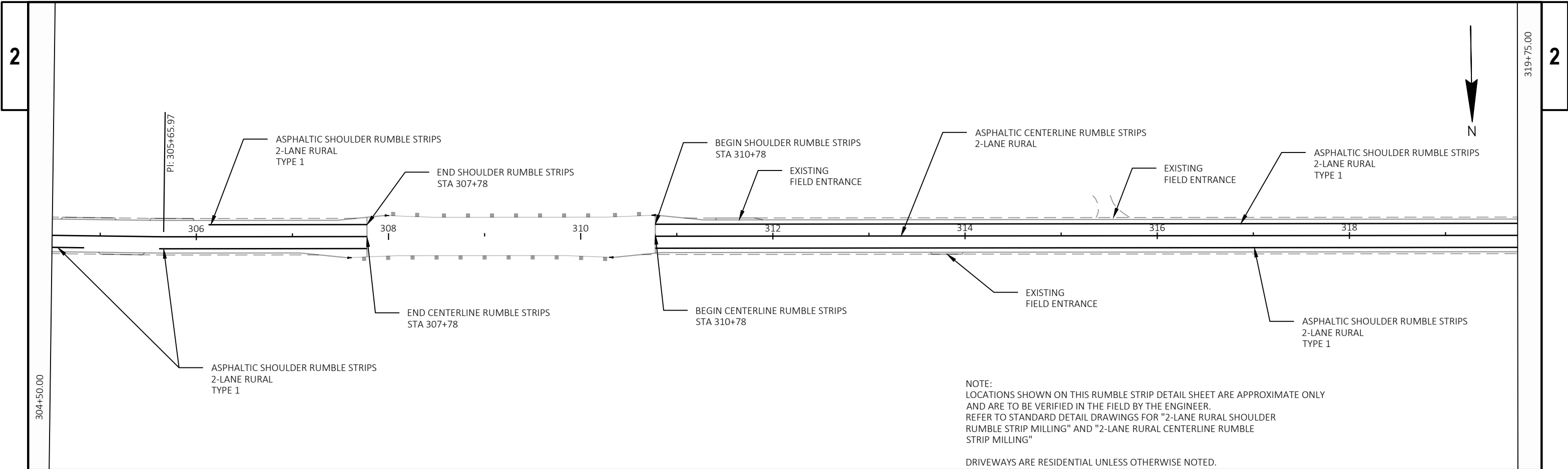
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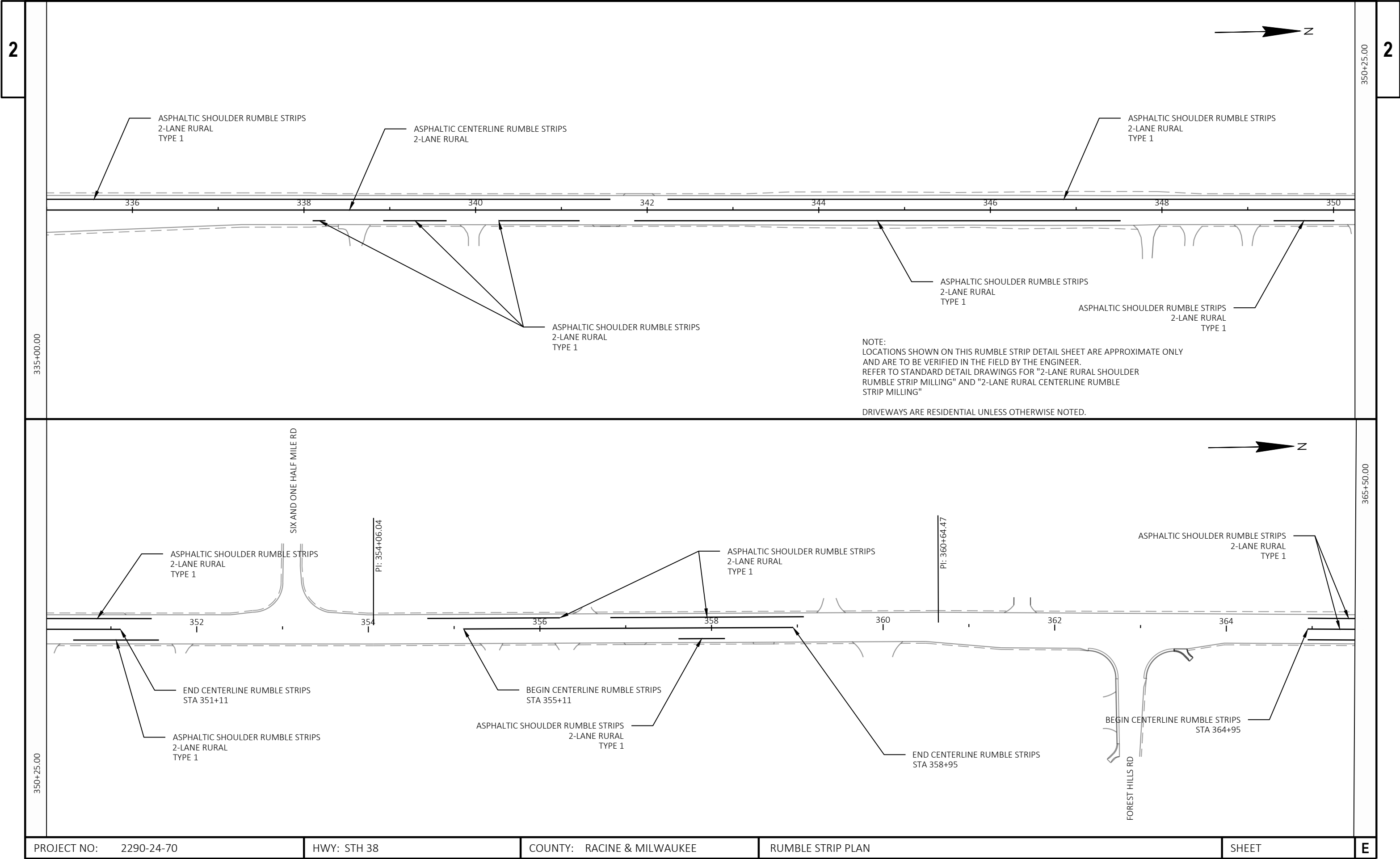
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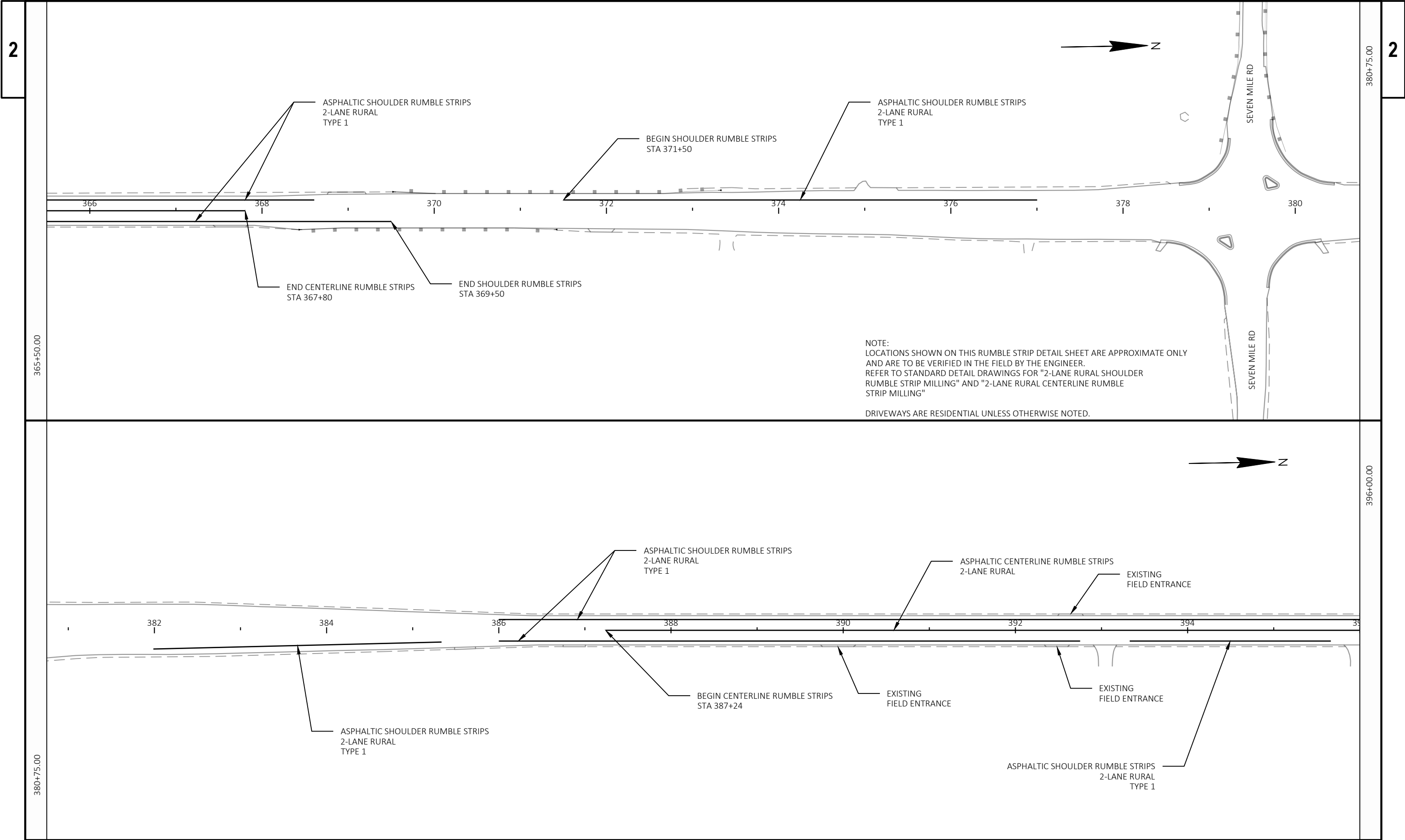


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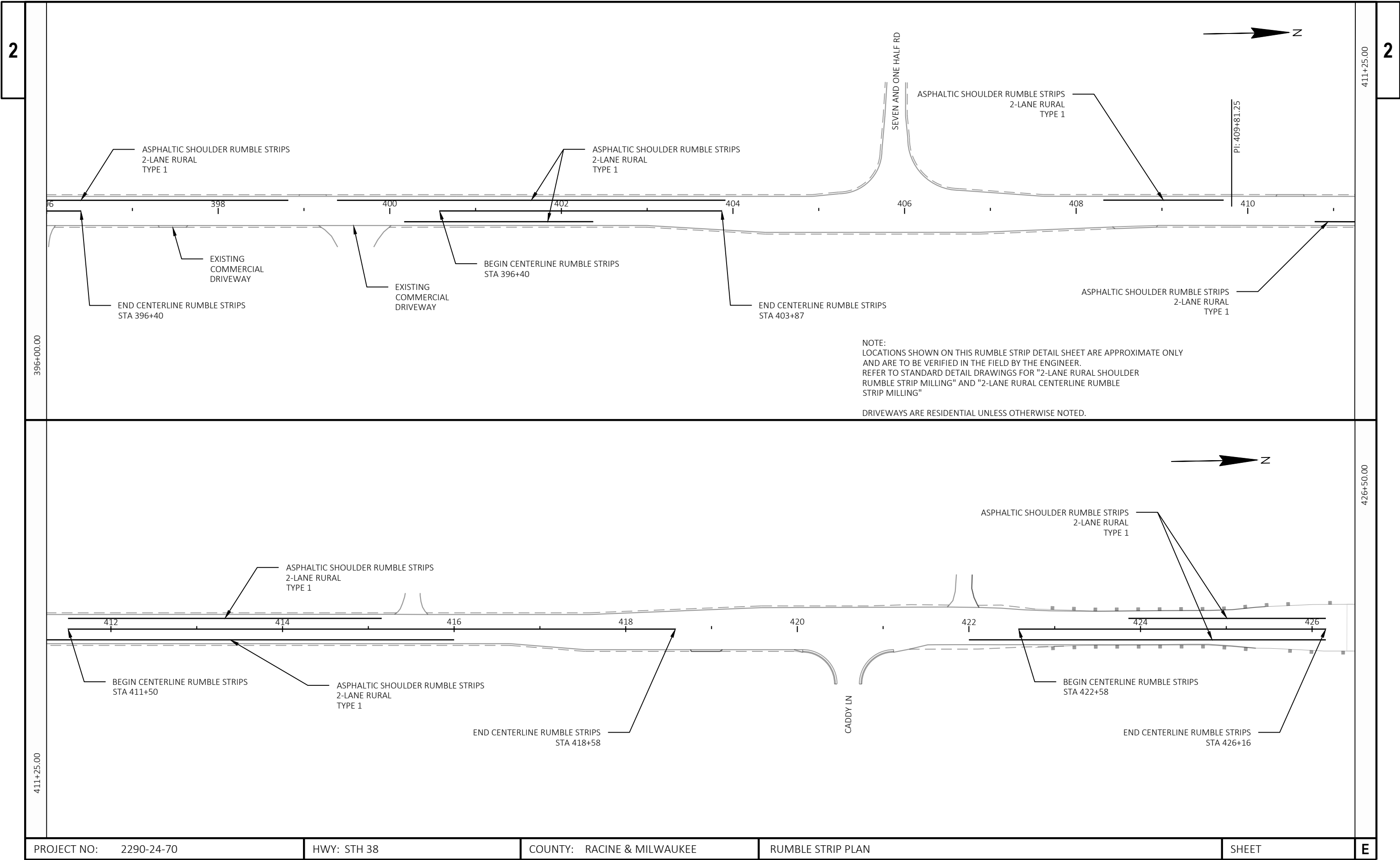


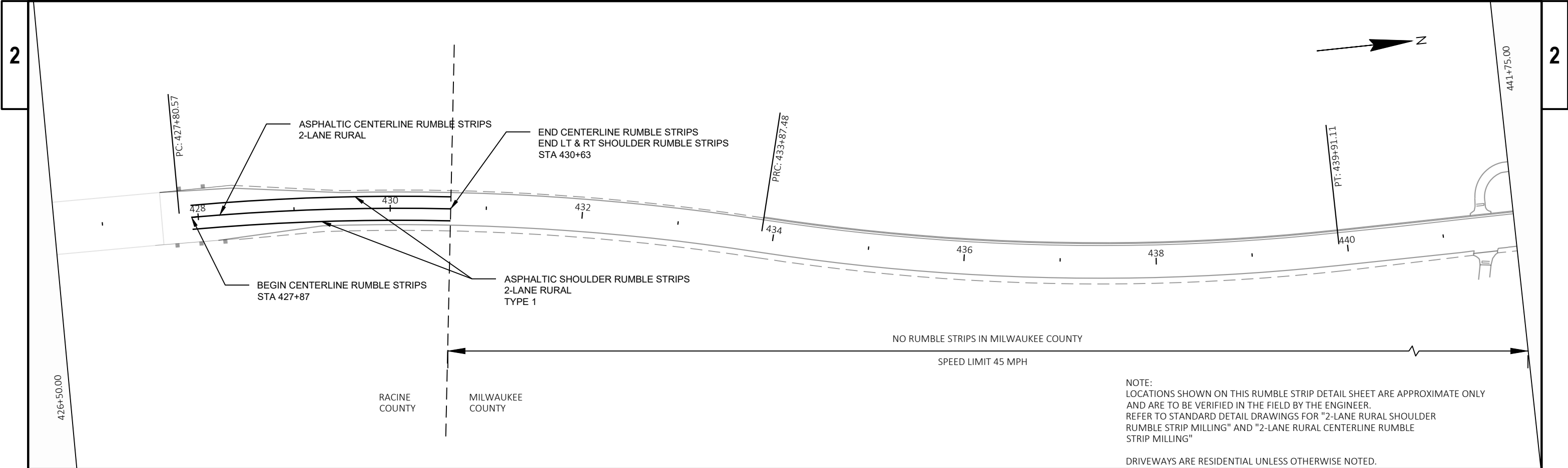
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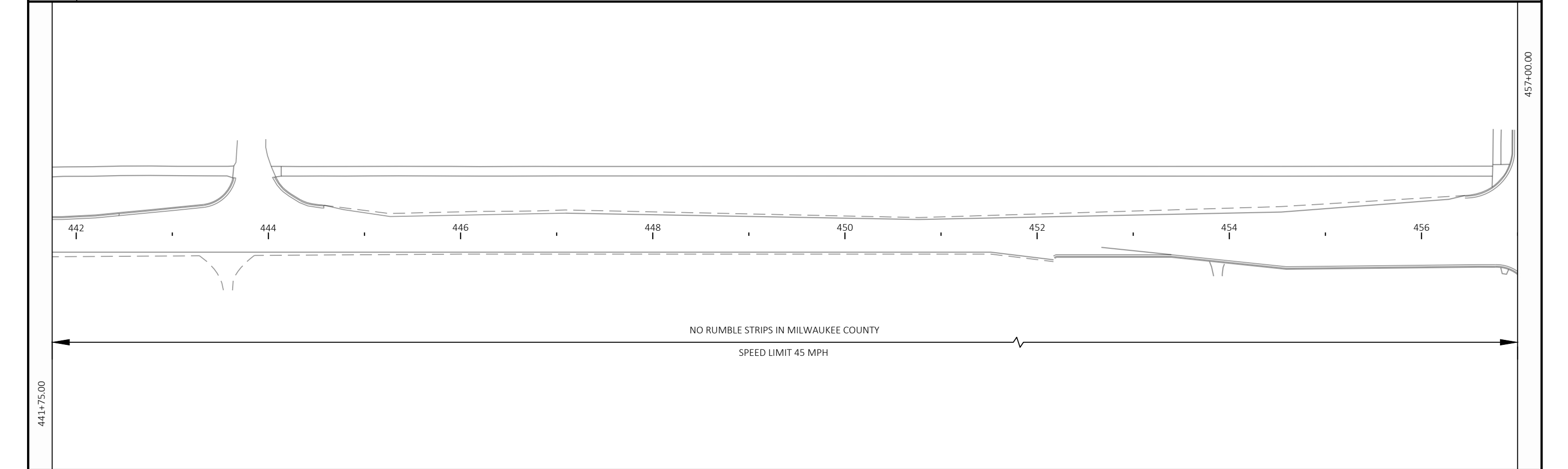
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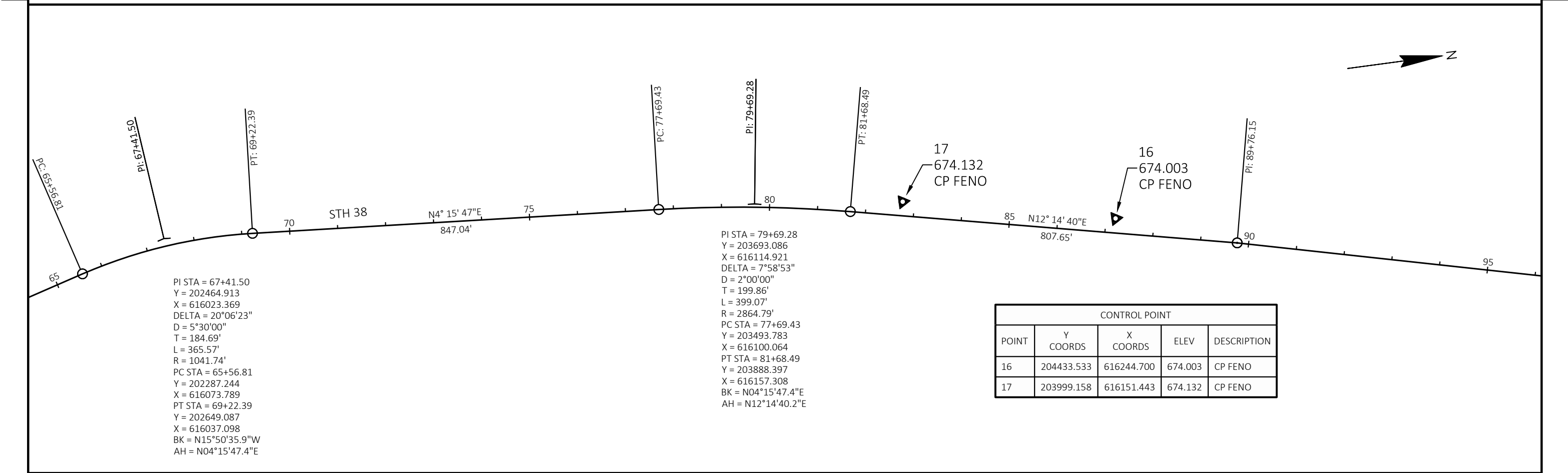
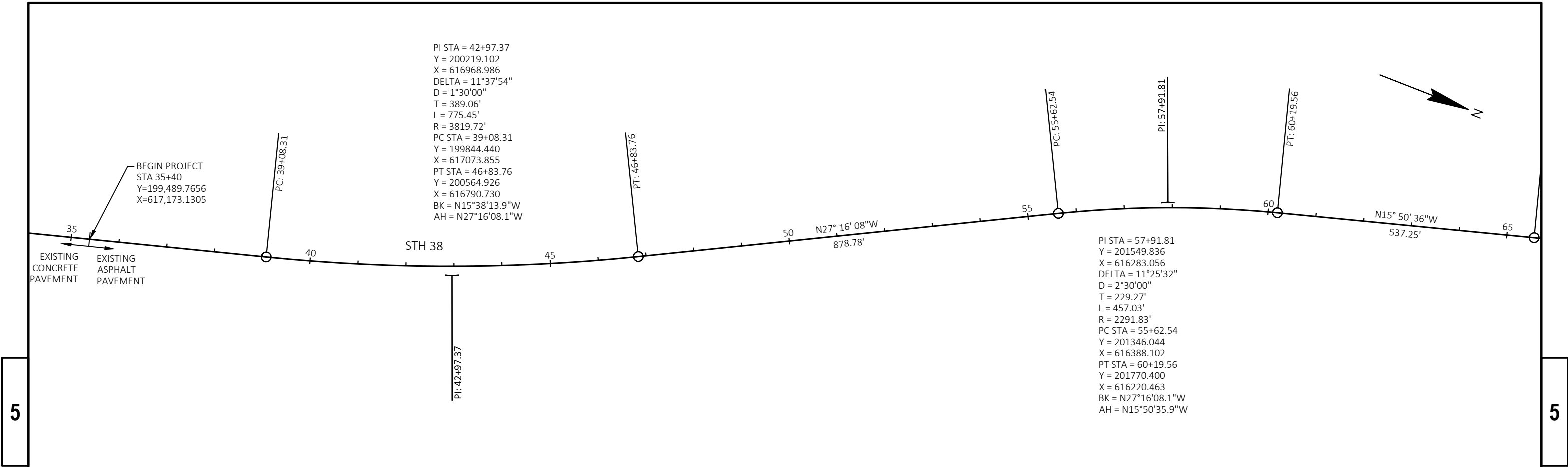


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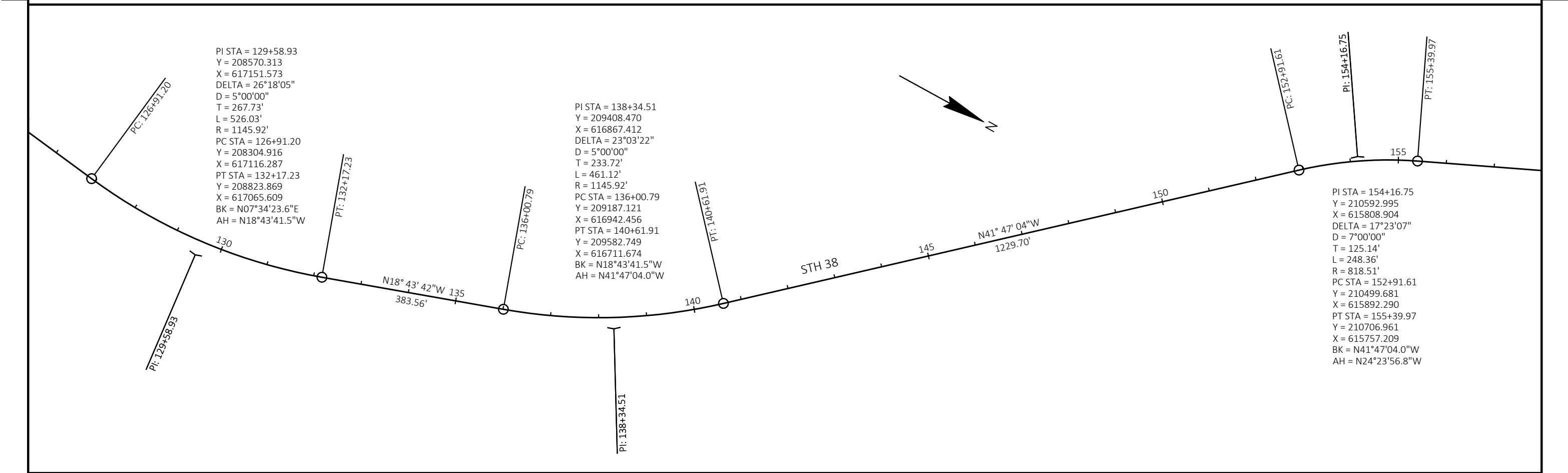
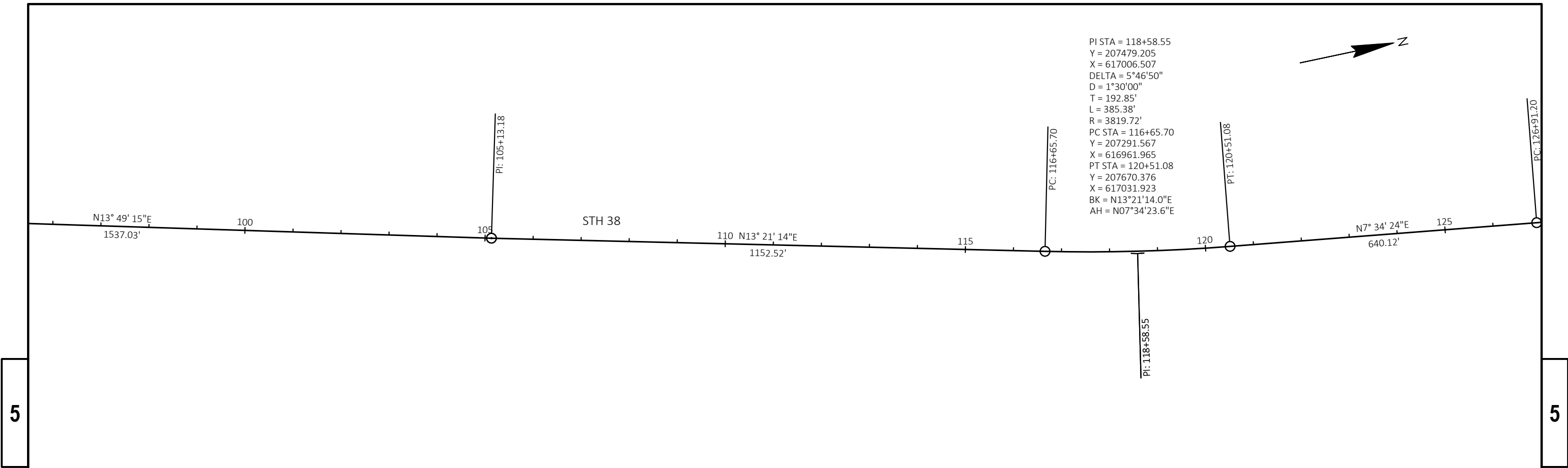
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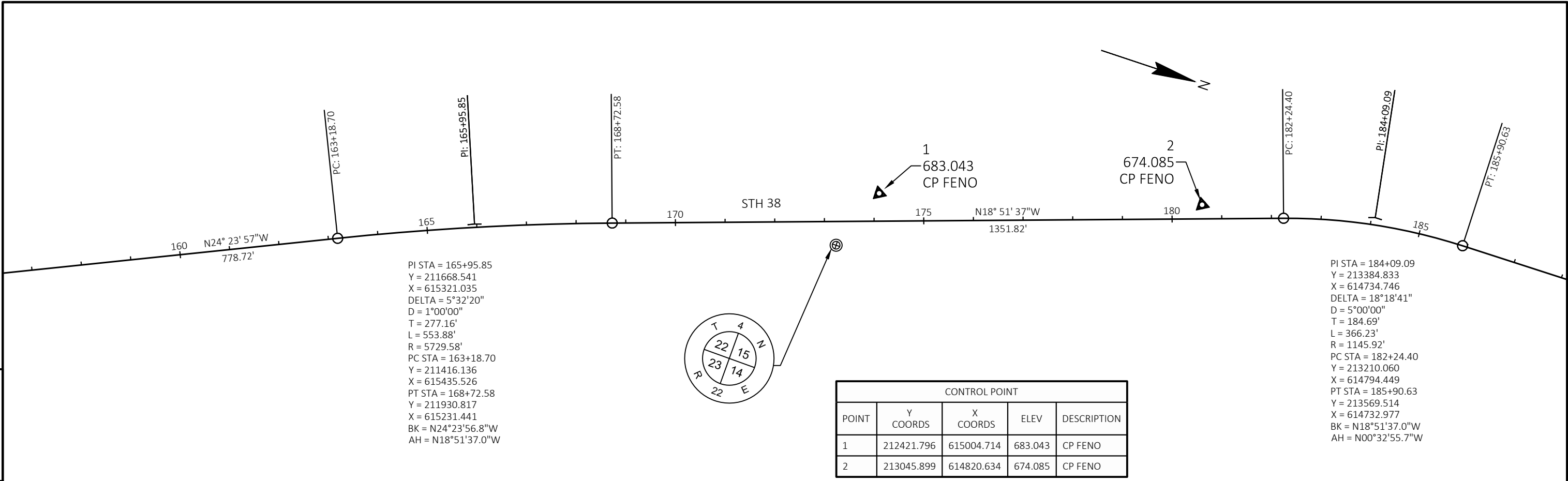
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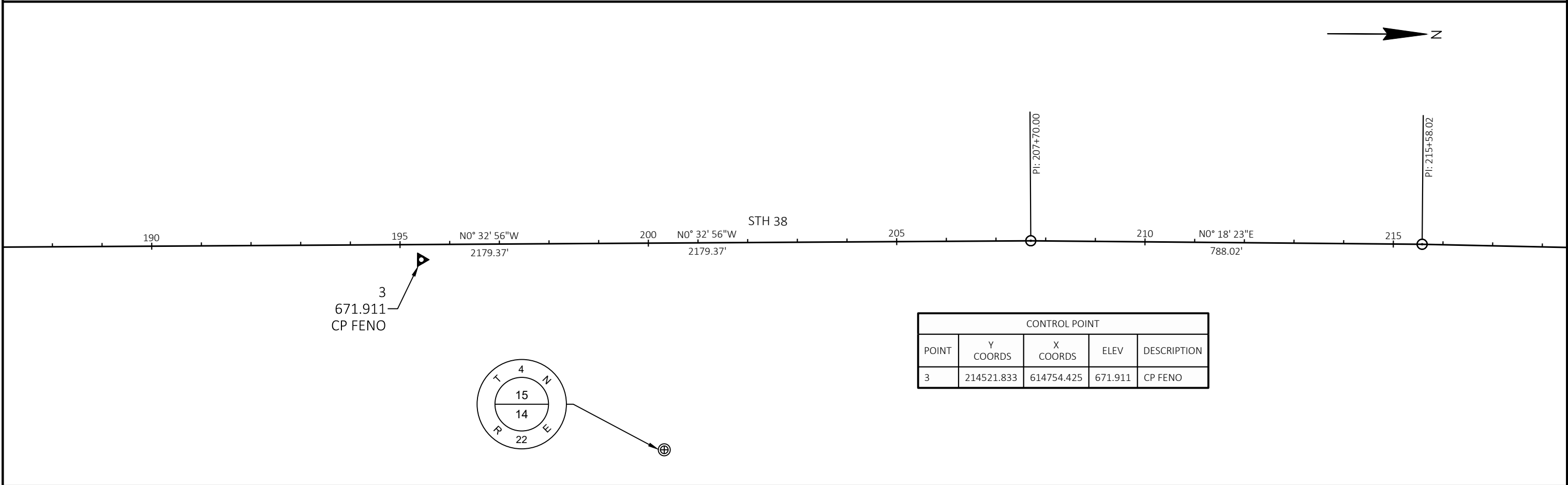
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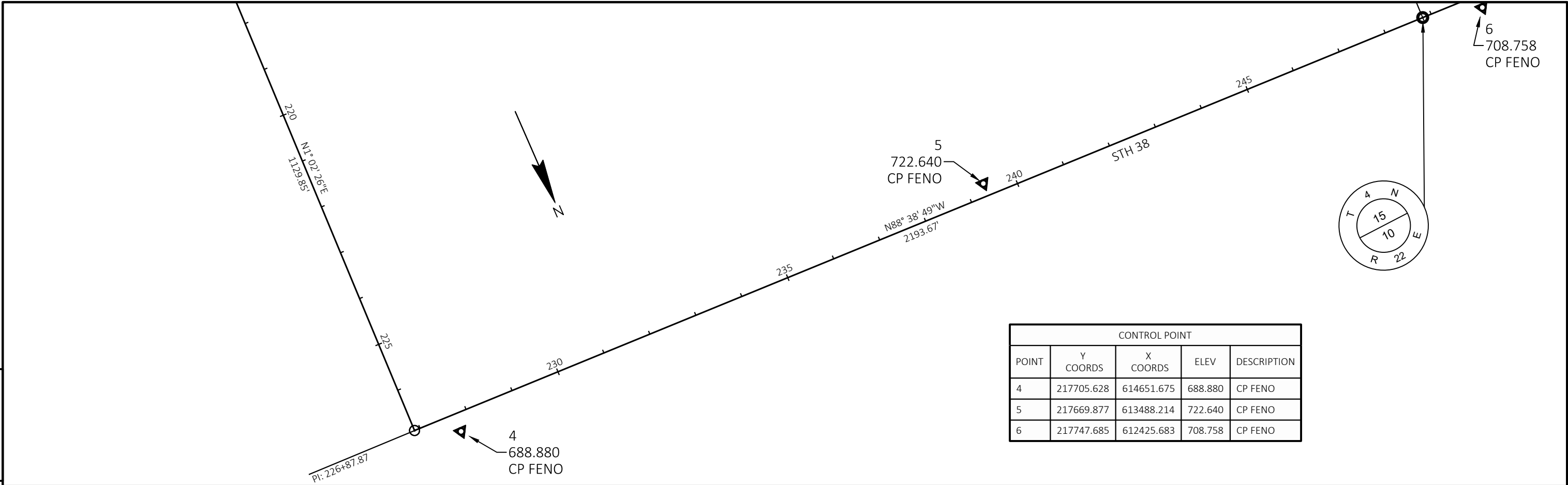
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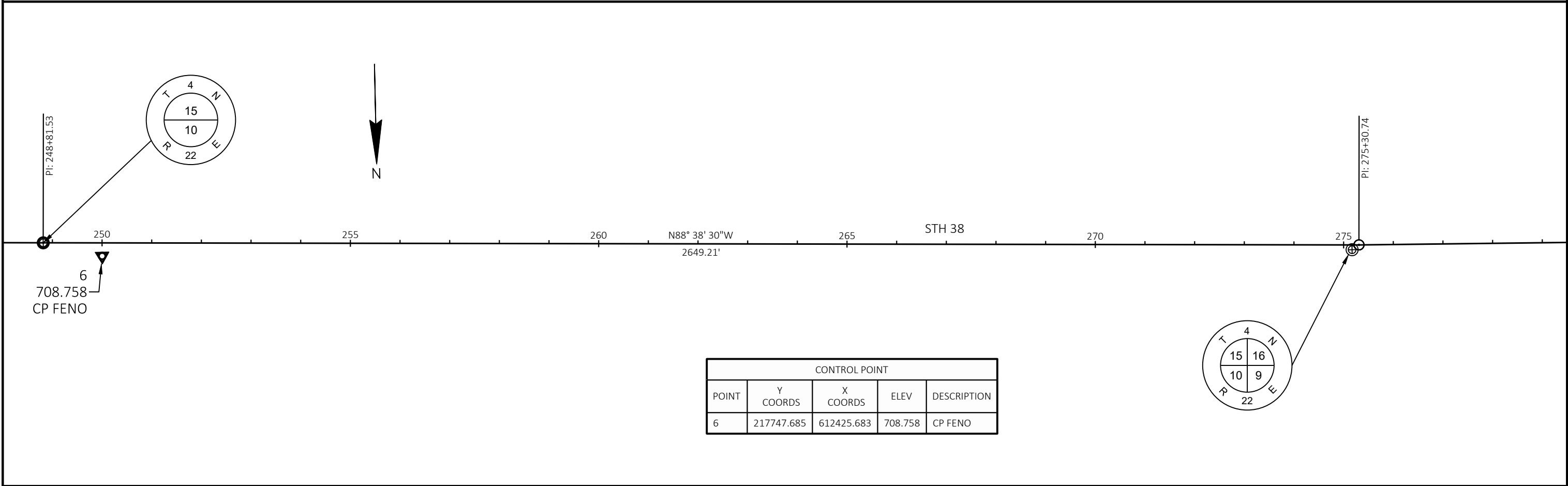
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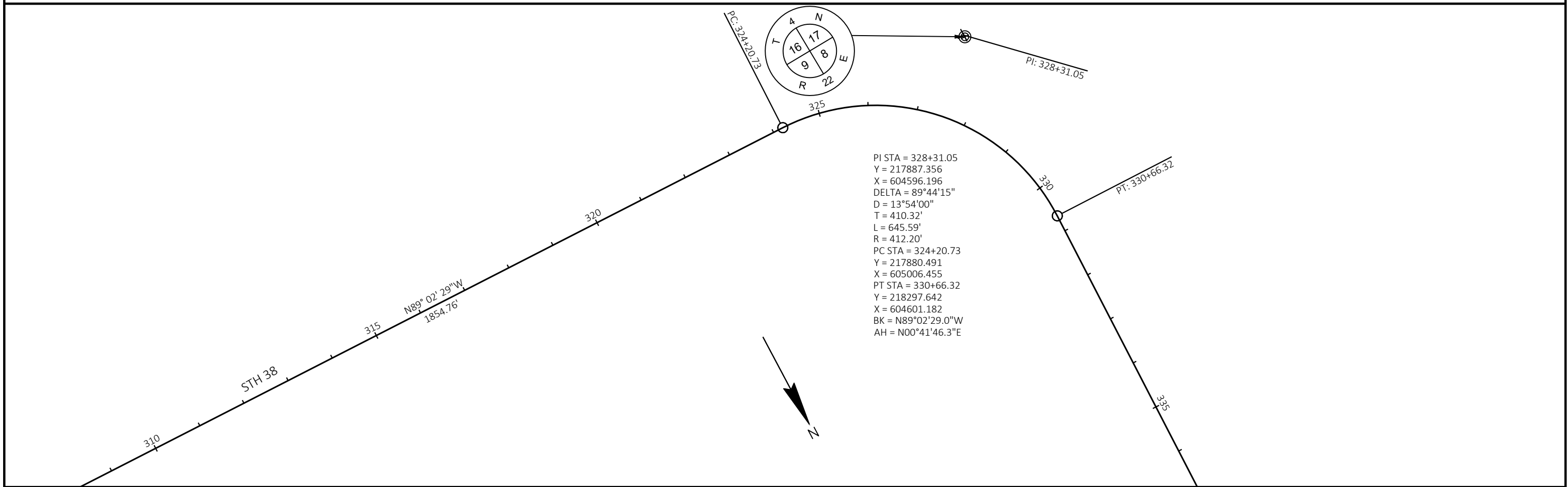
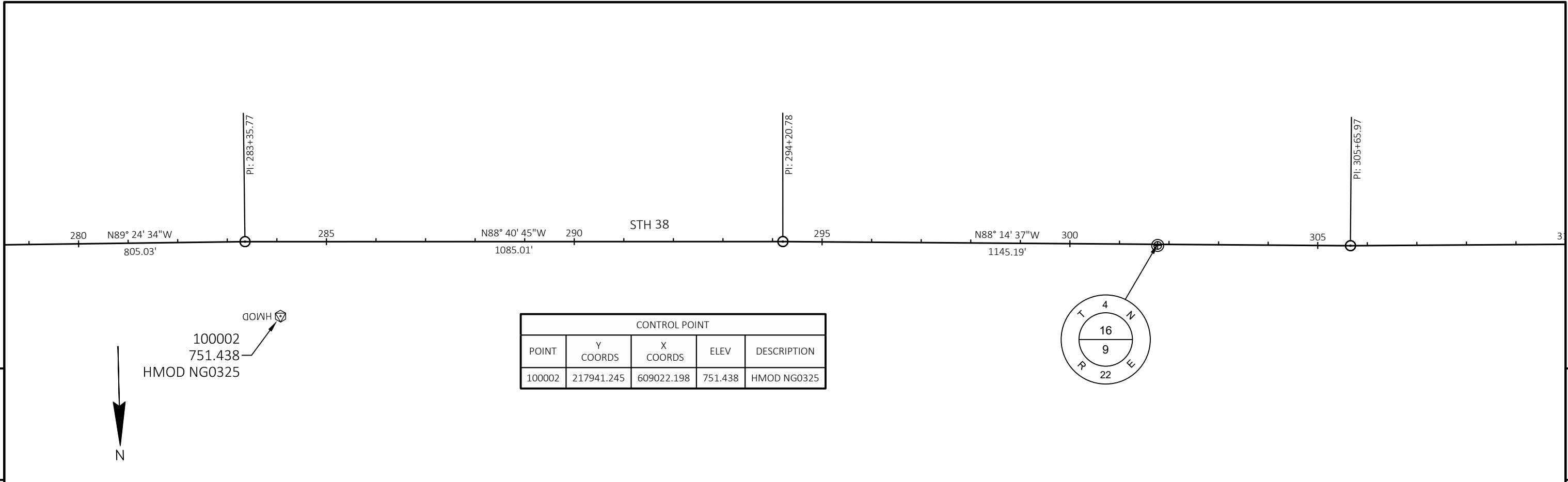


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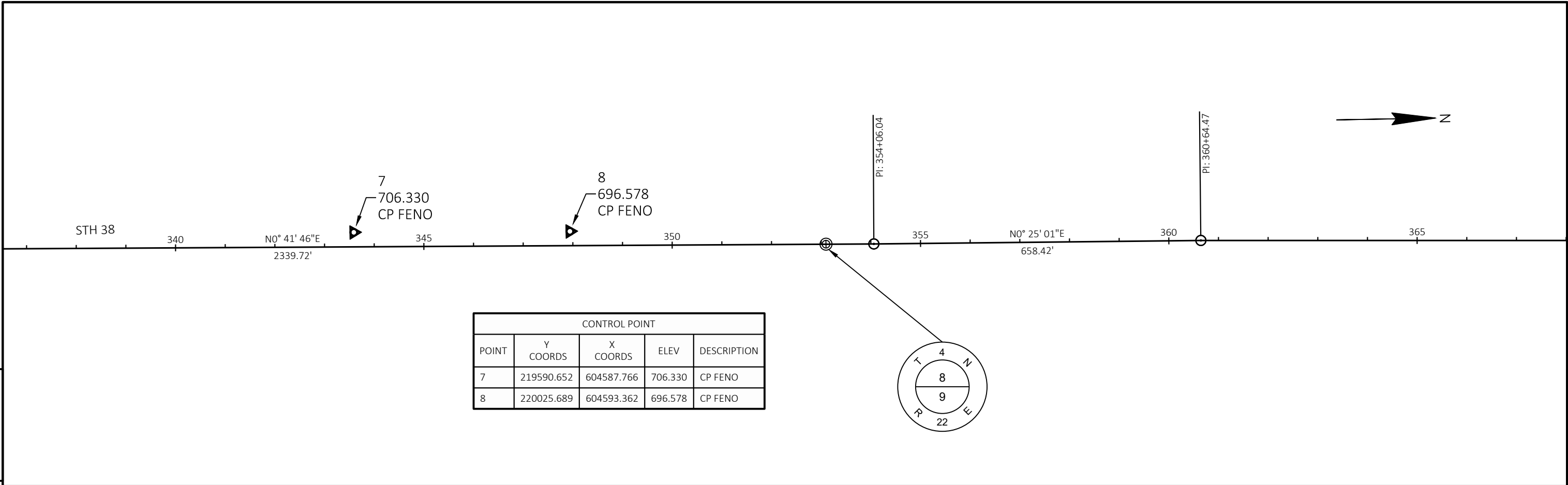


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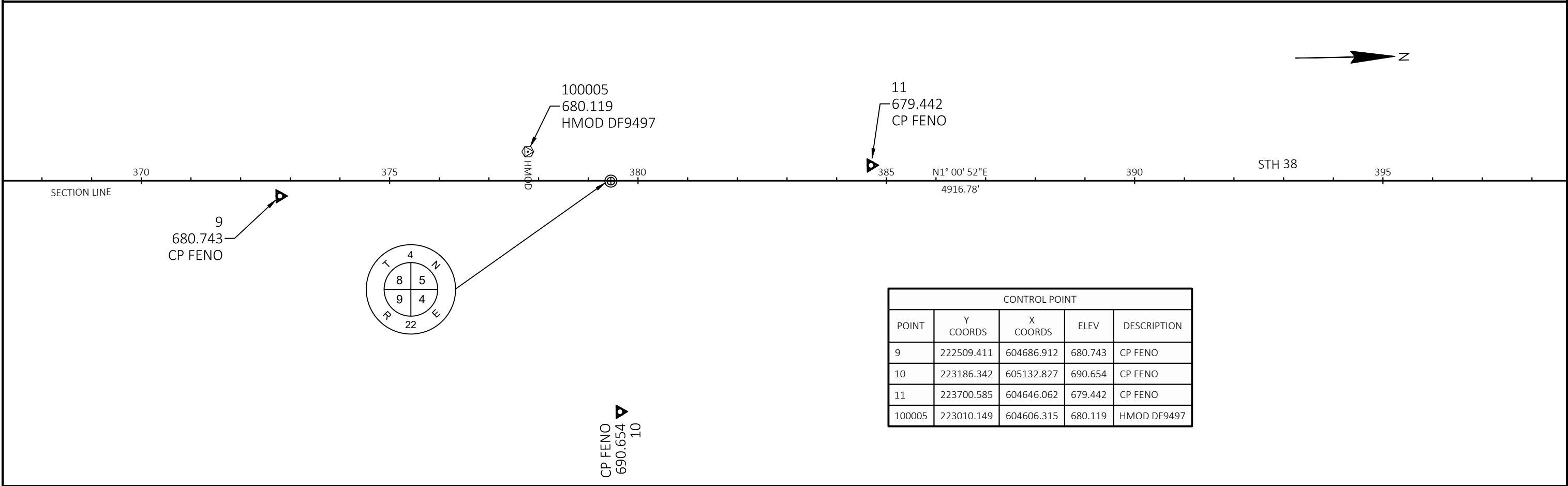


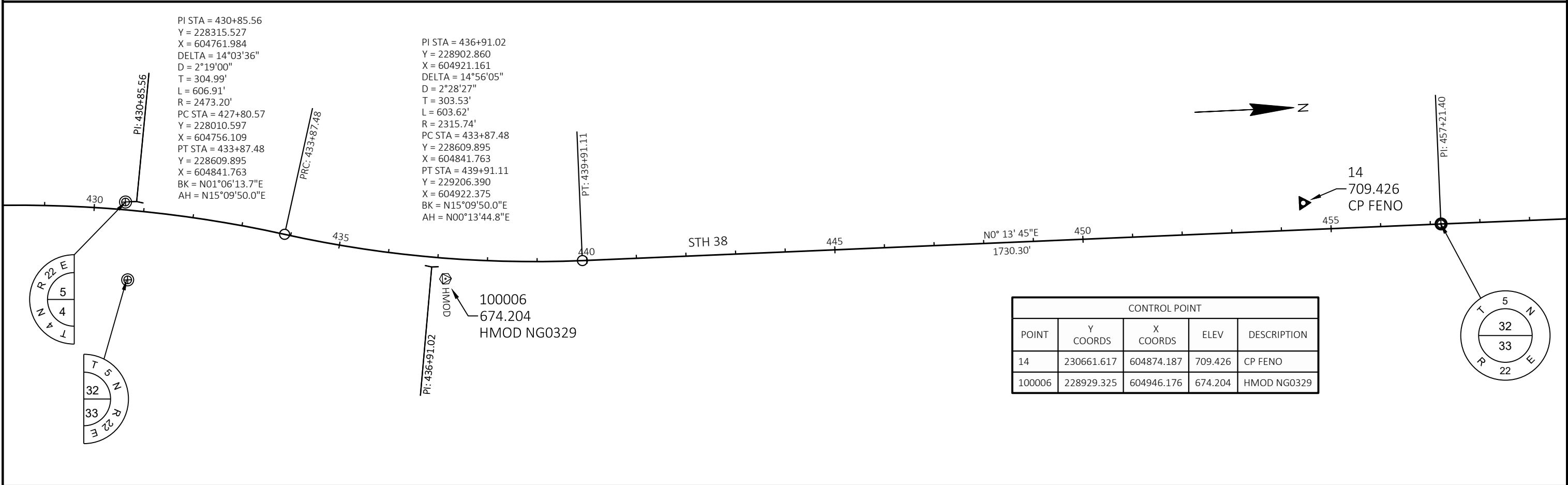
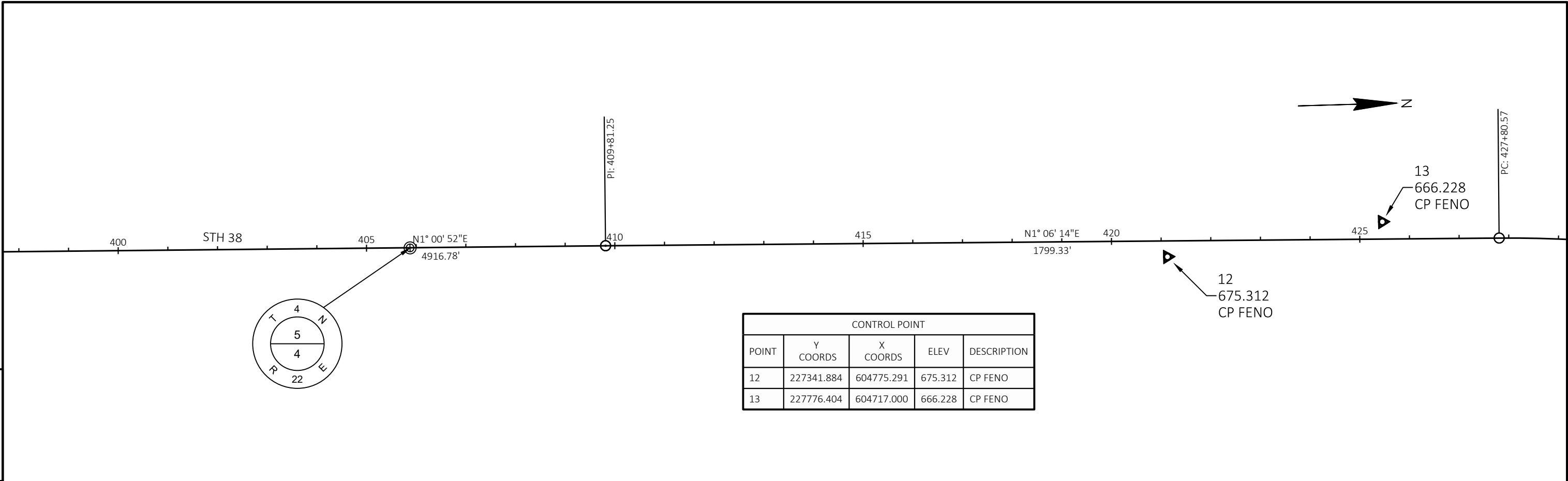


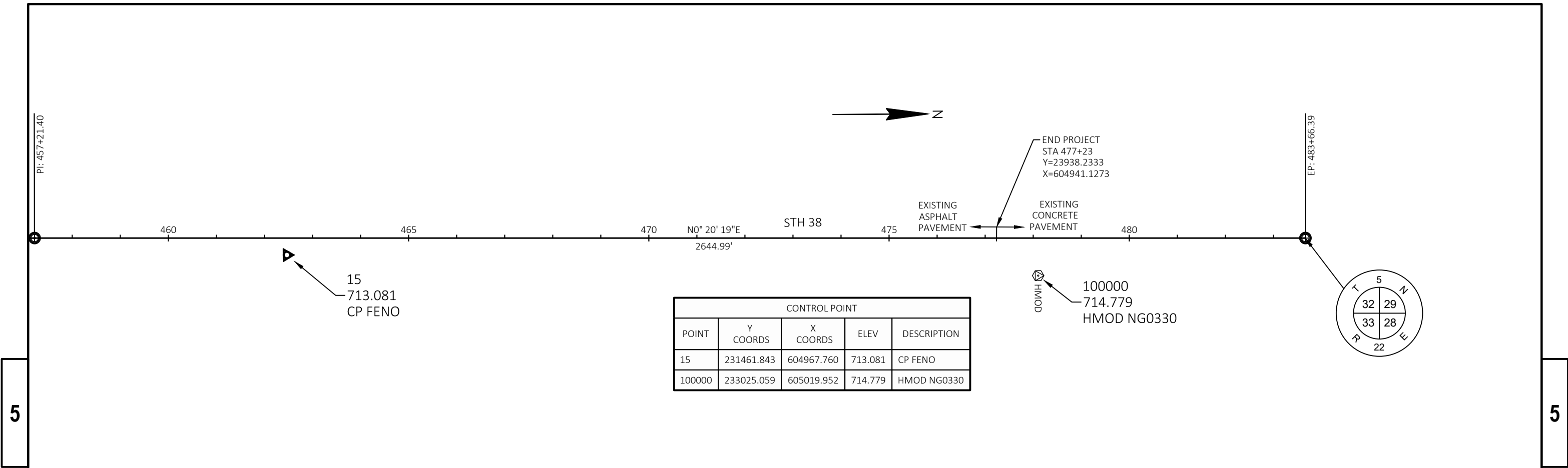
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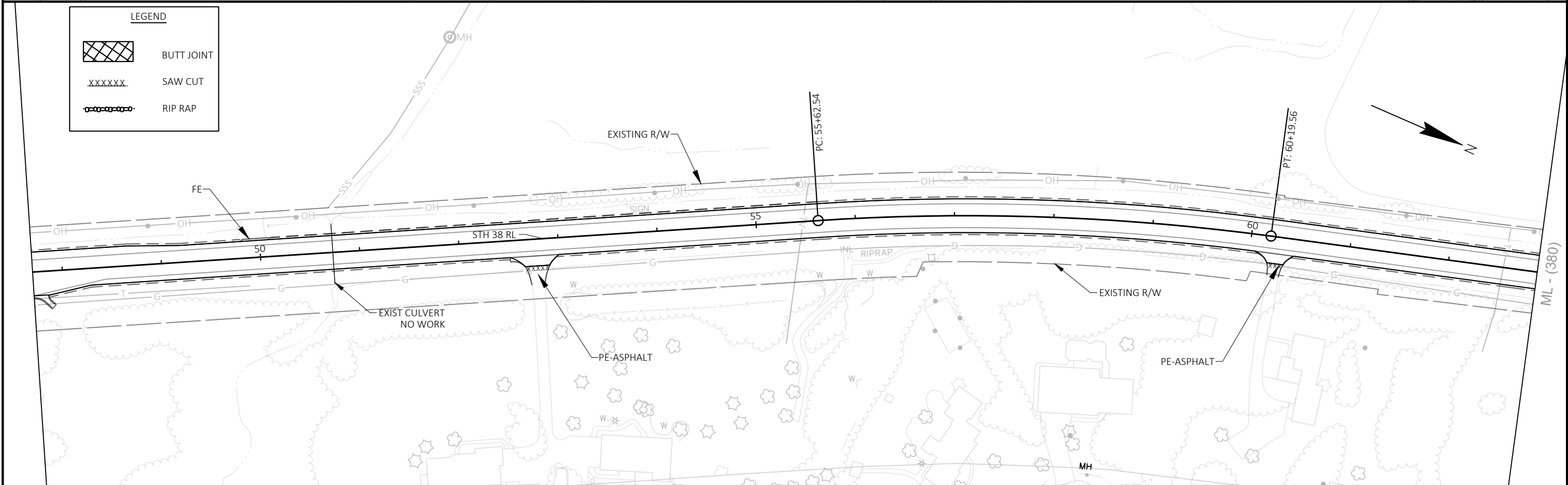
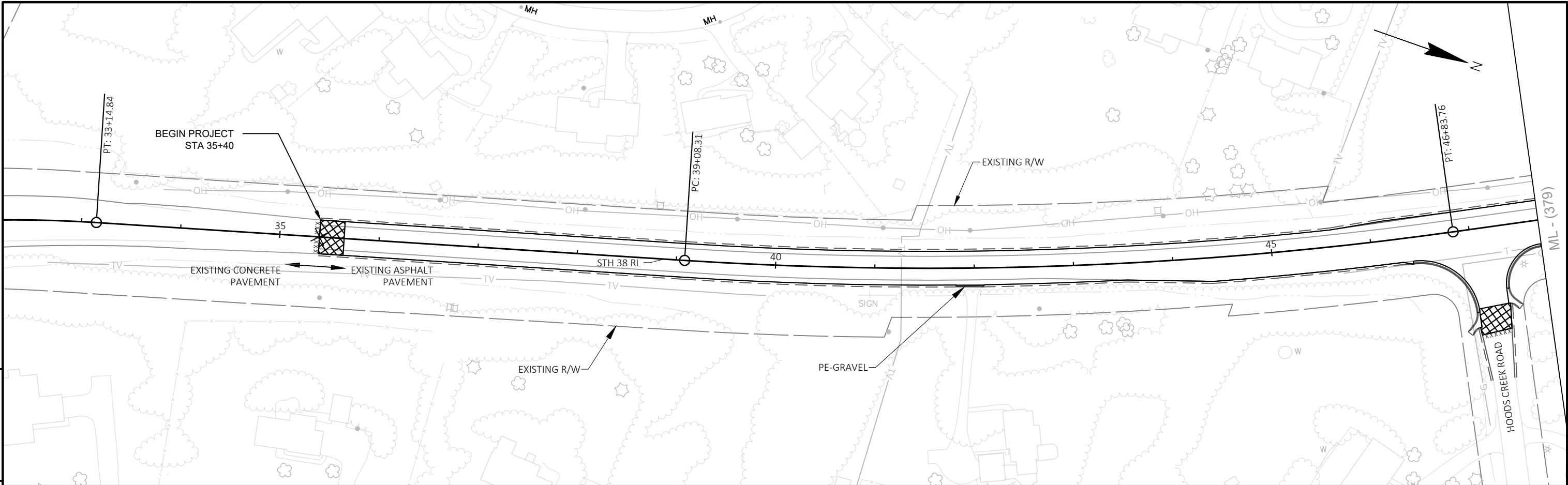


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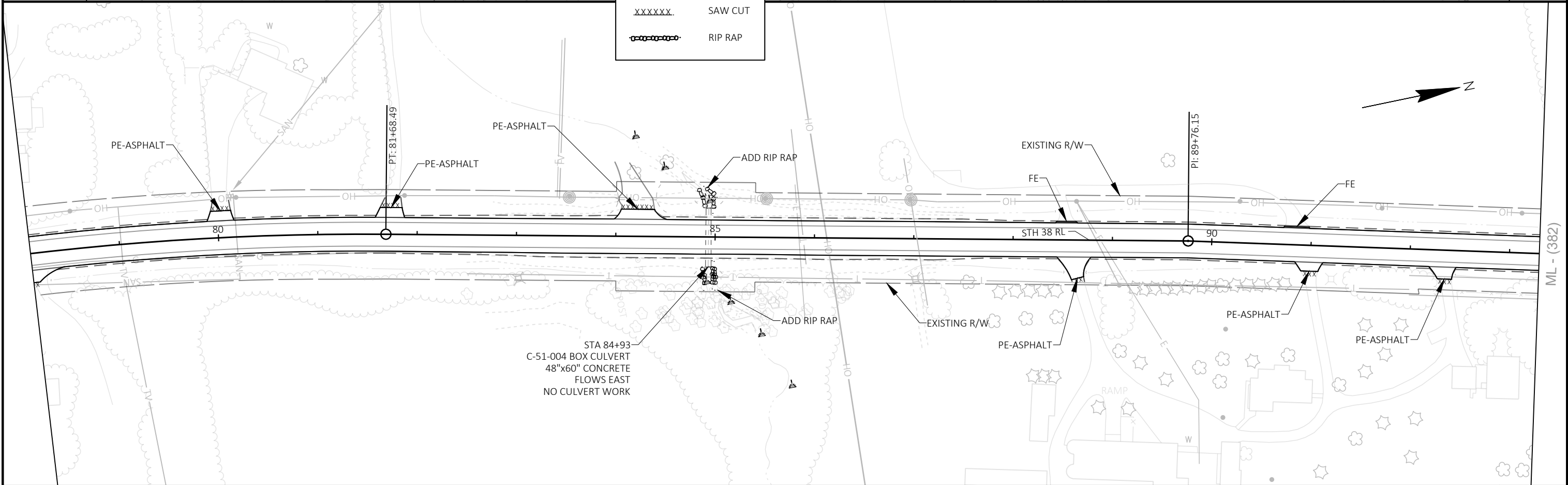
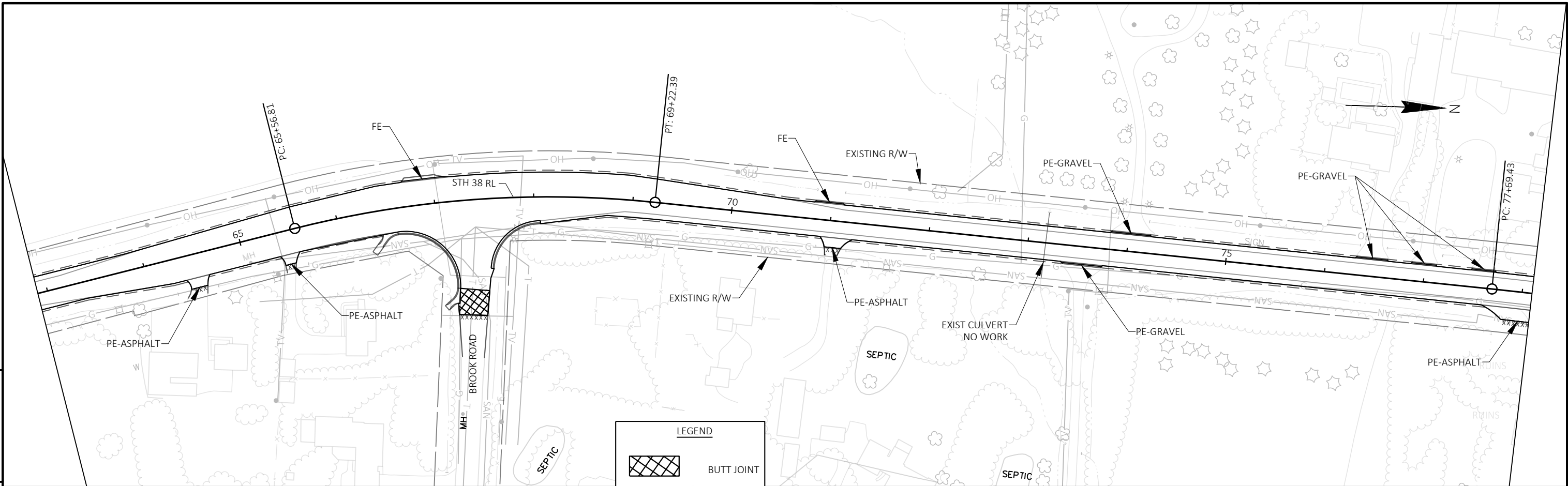




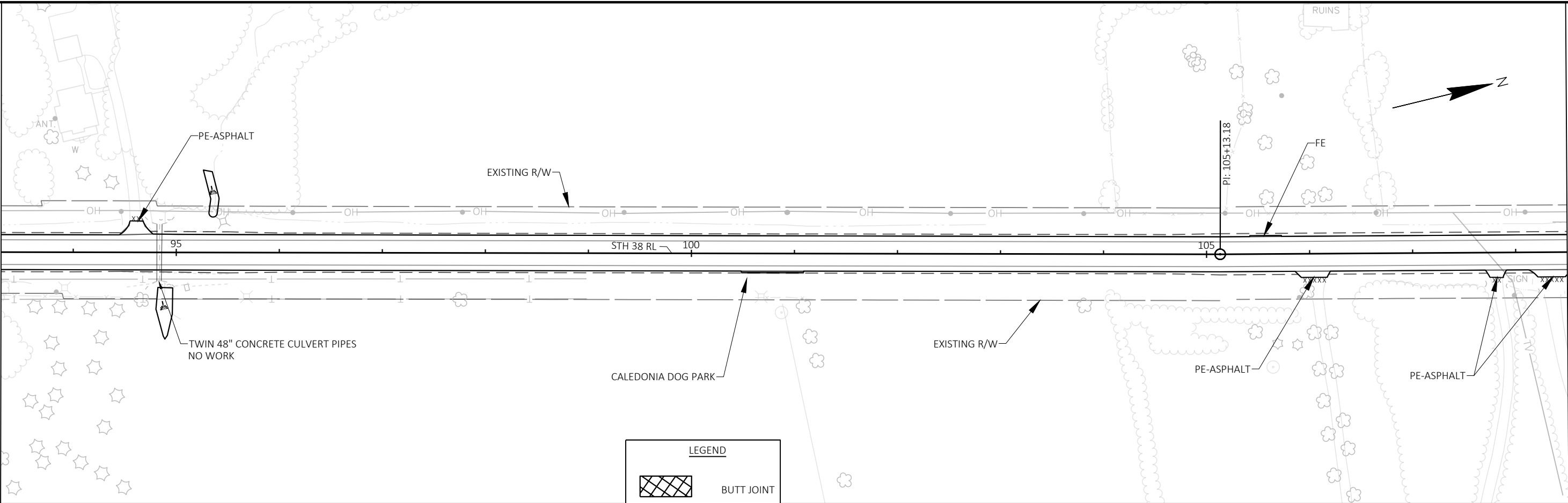
LEGEND

	BUTT JOINT
	SAW CUT
	RIP RAP

PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PLAN DETAILS	SHEET	E
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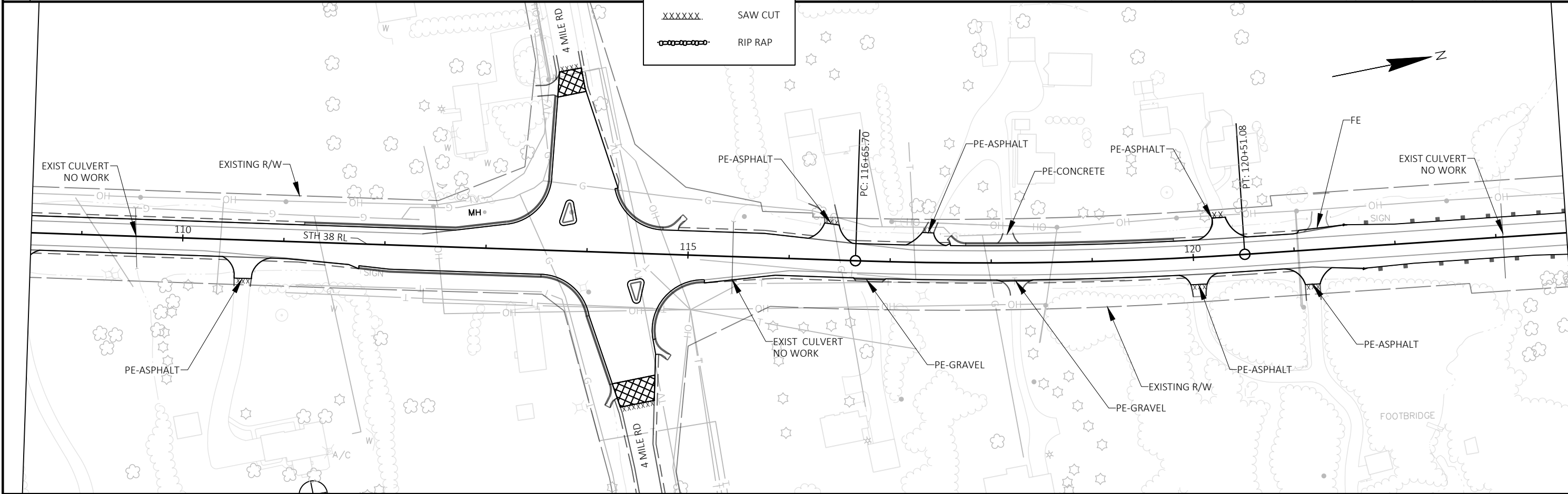
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LEGEND

BUTT JOINT

SAW CUT

RIP RAP



PROJECT NO: 2290-24-70

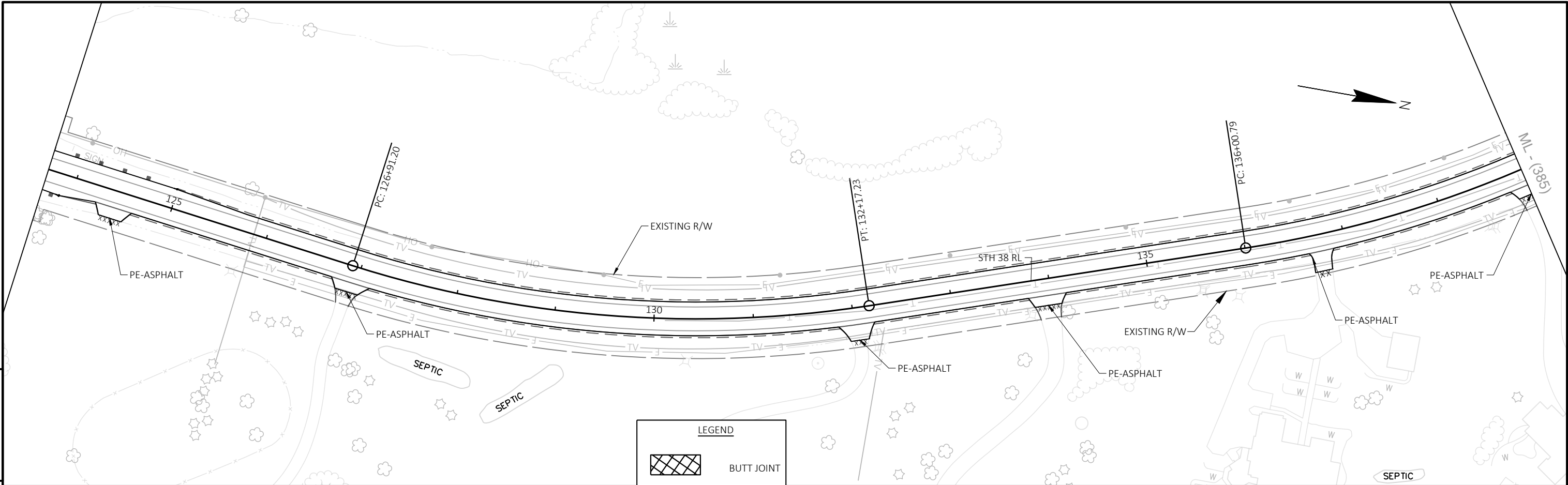
HWY: STH 38

COUNTY: RACINE & MILWAUKEE

PLAN DETAILS

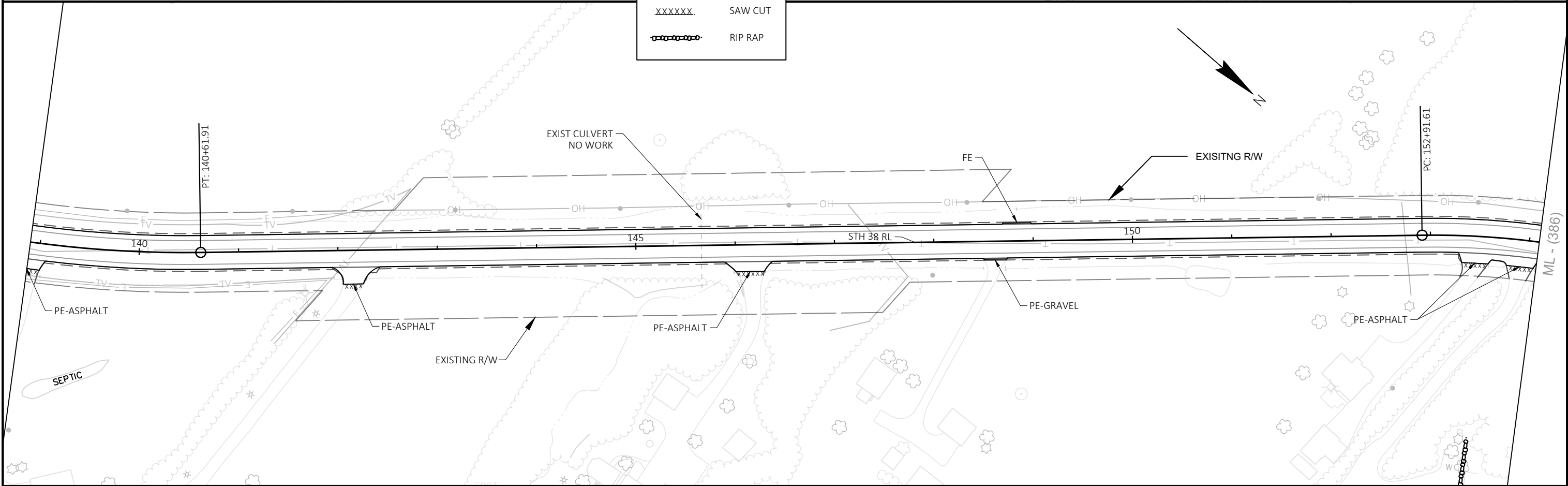
SHEET

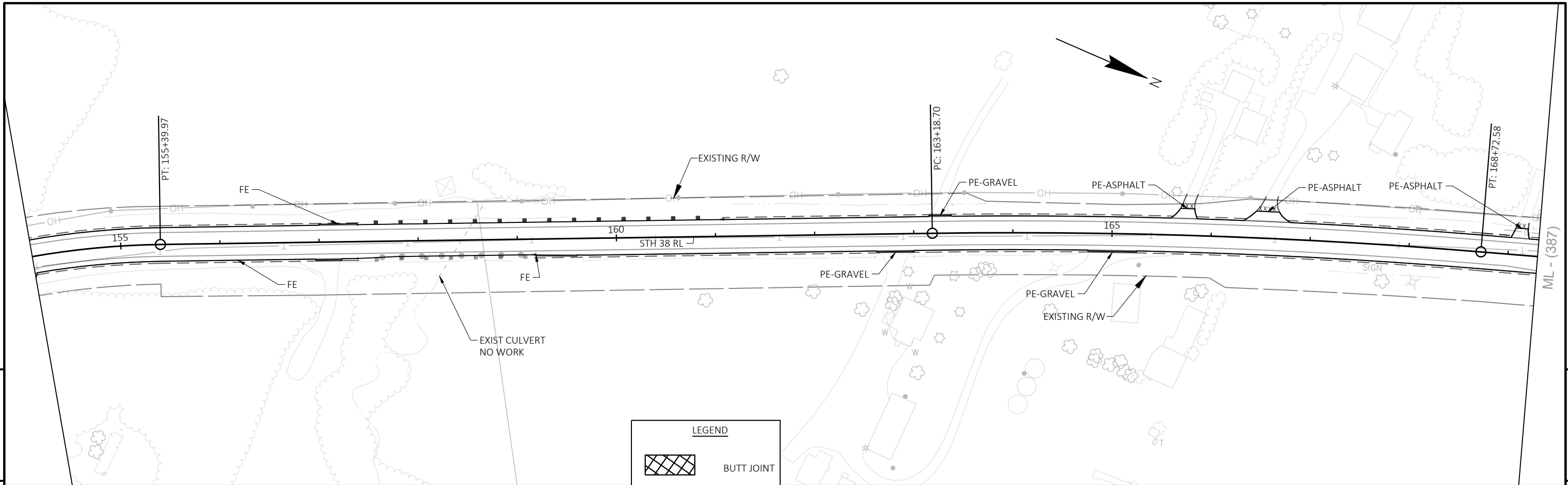
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LEGEND

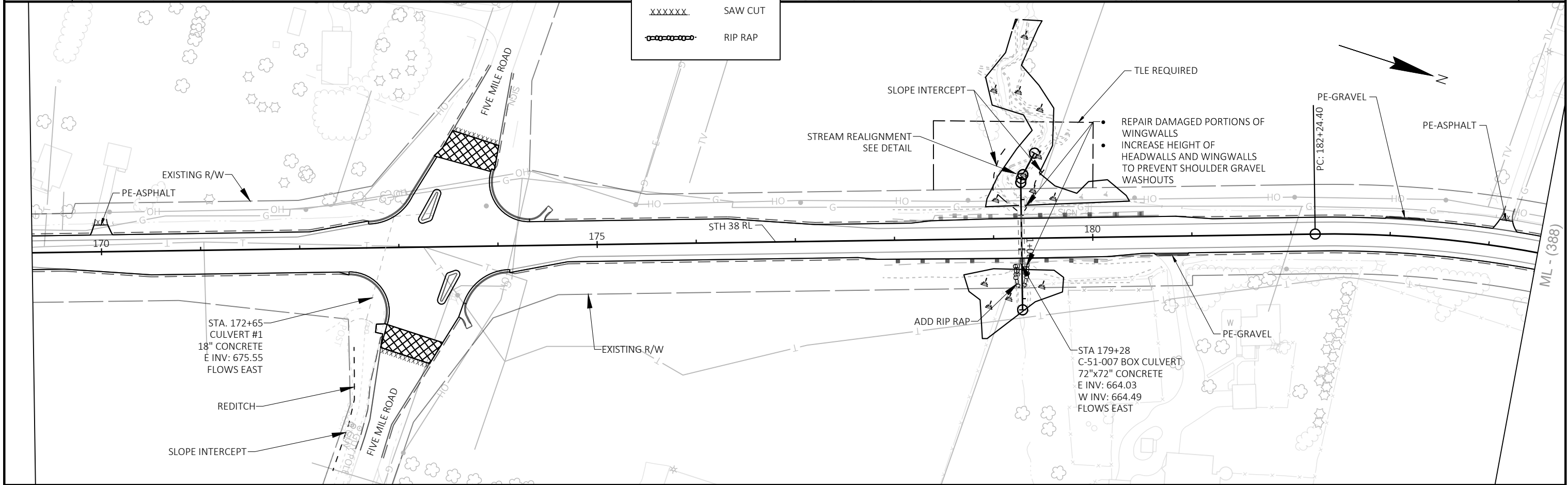
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	SAW CUT
	RIP RAP

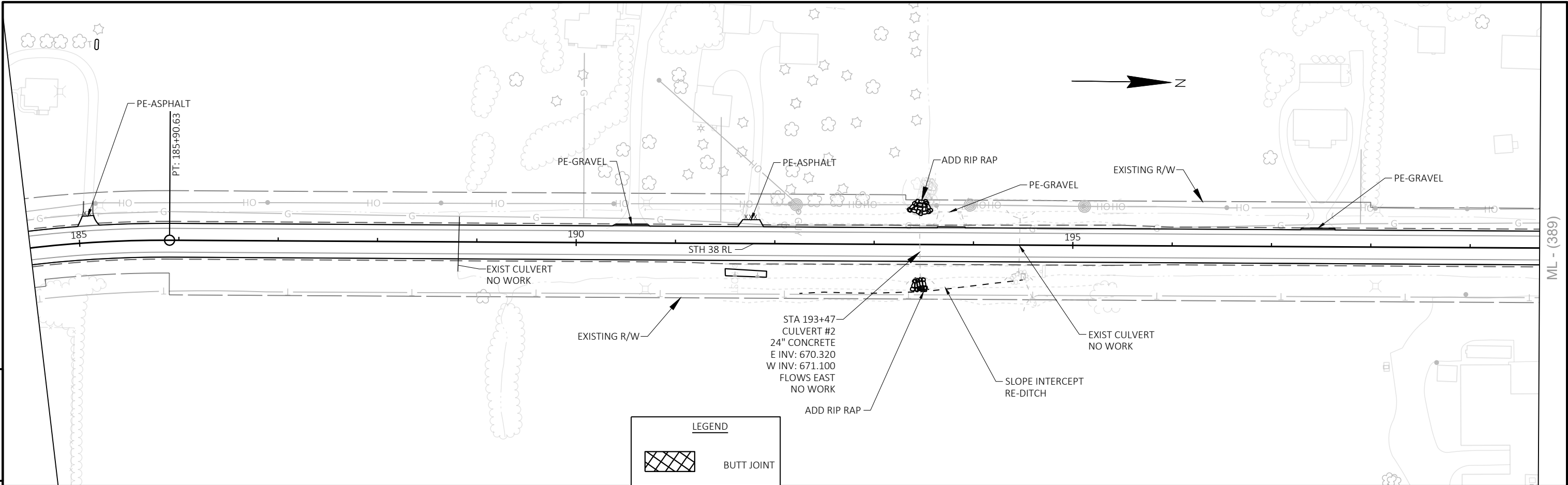




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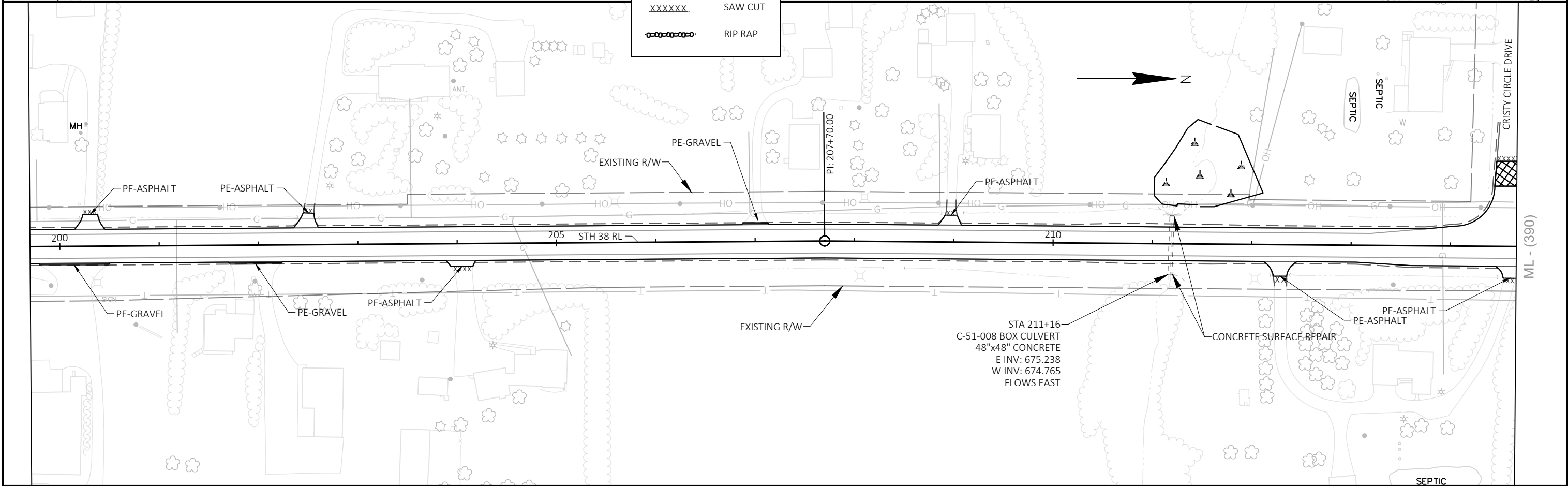
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	SAW CUT
	RIP RAP



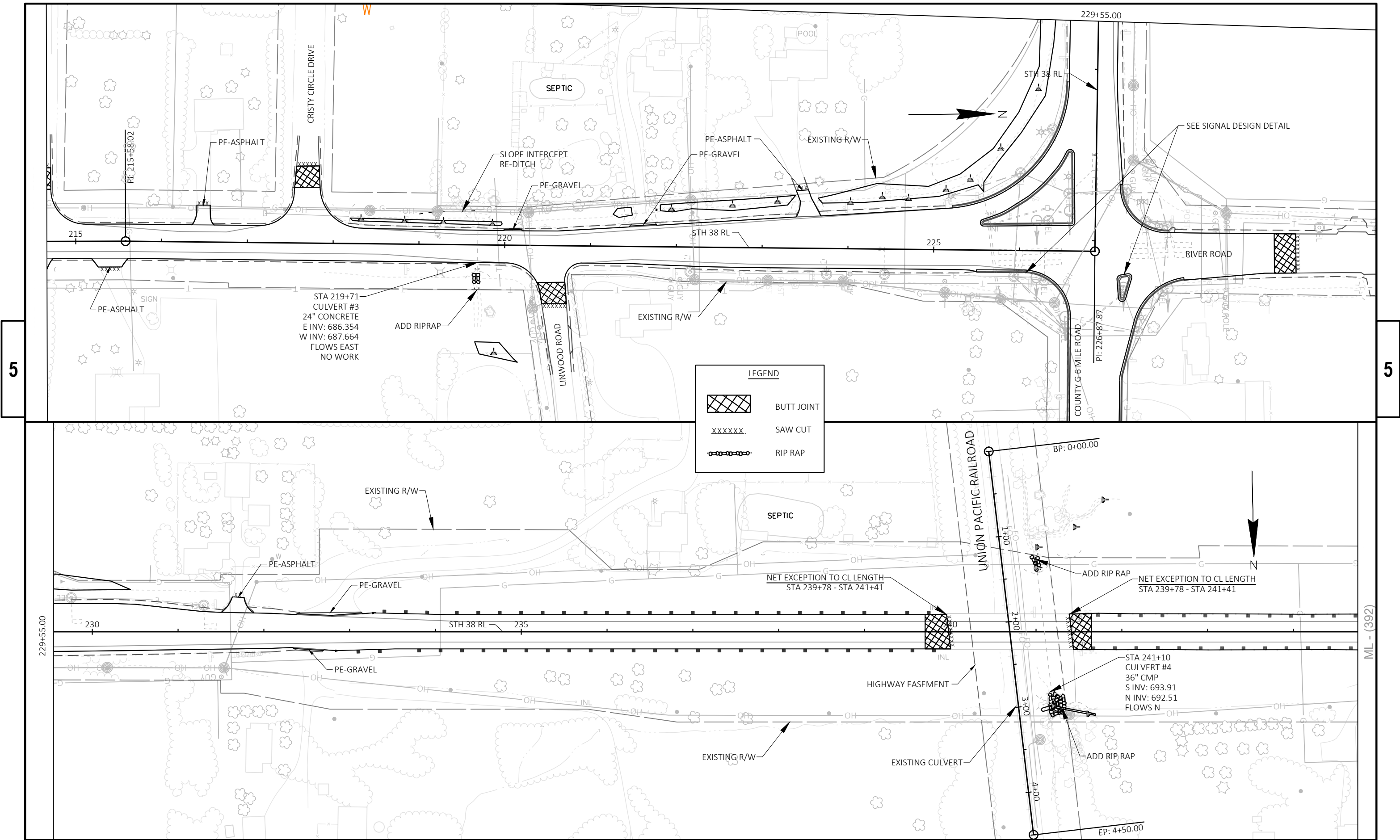


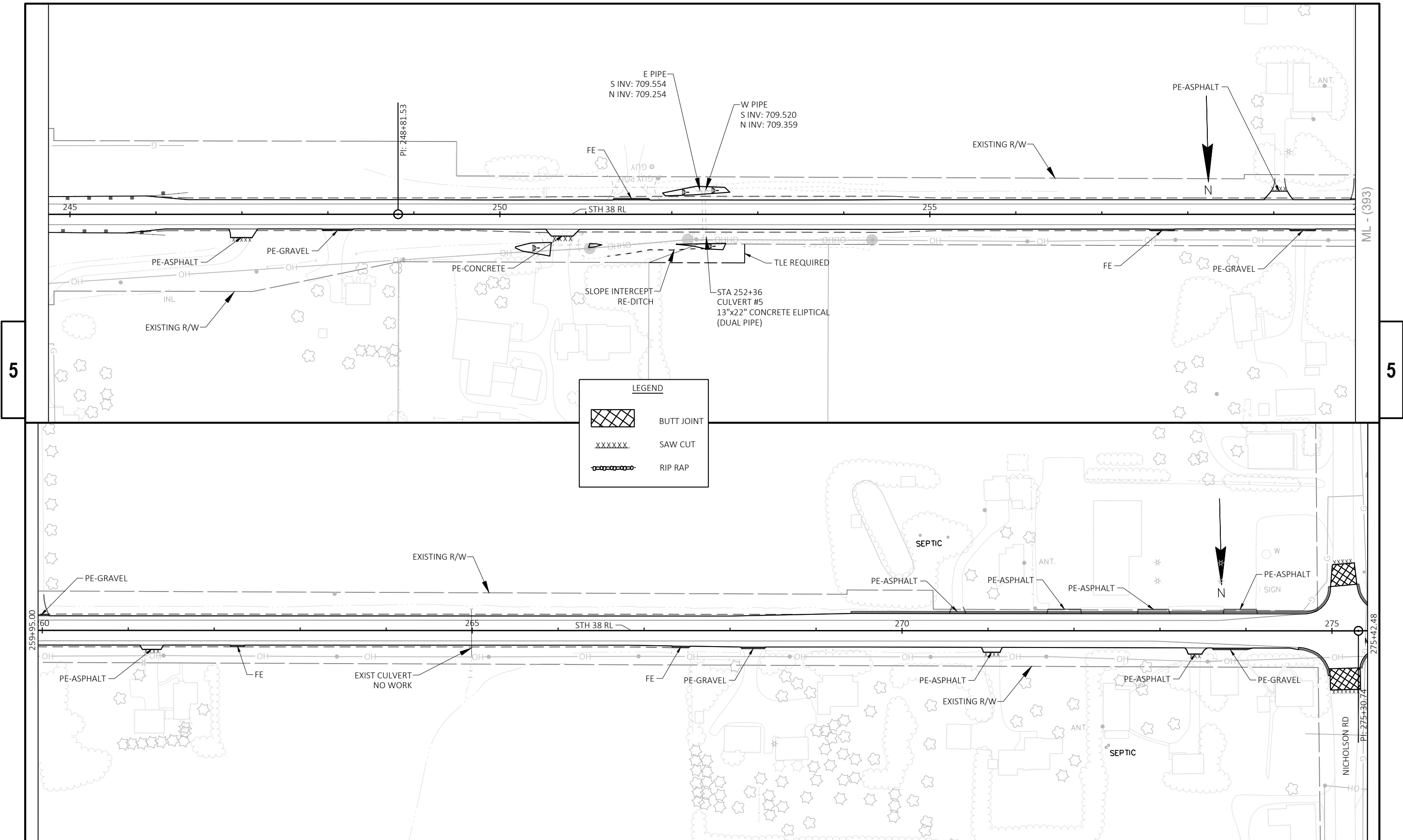
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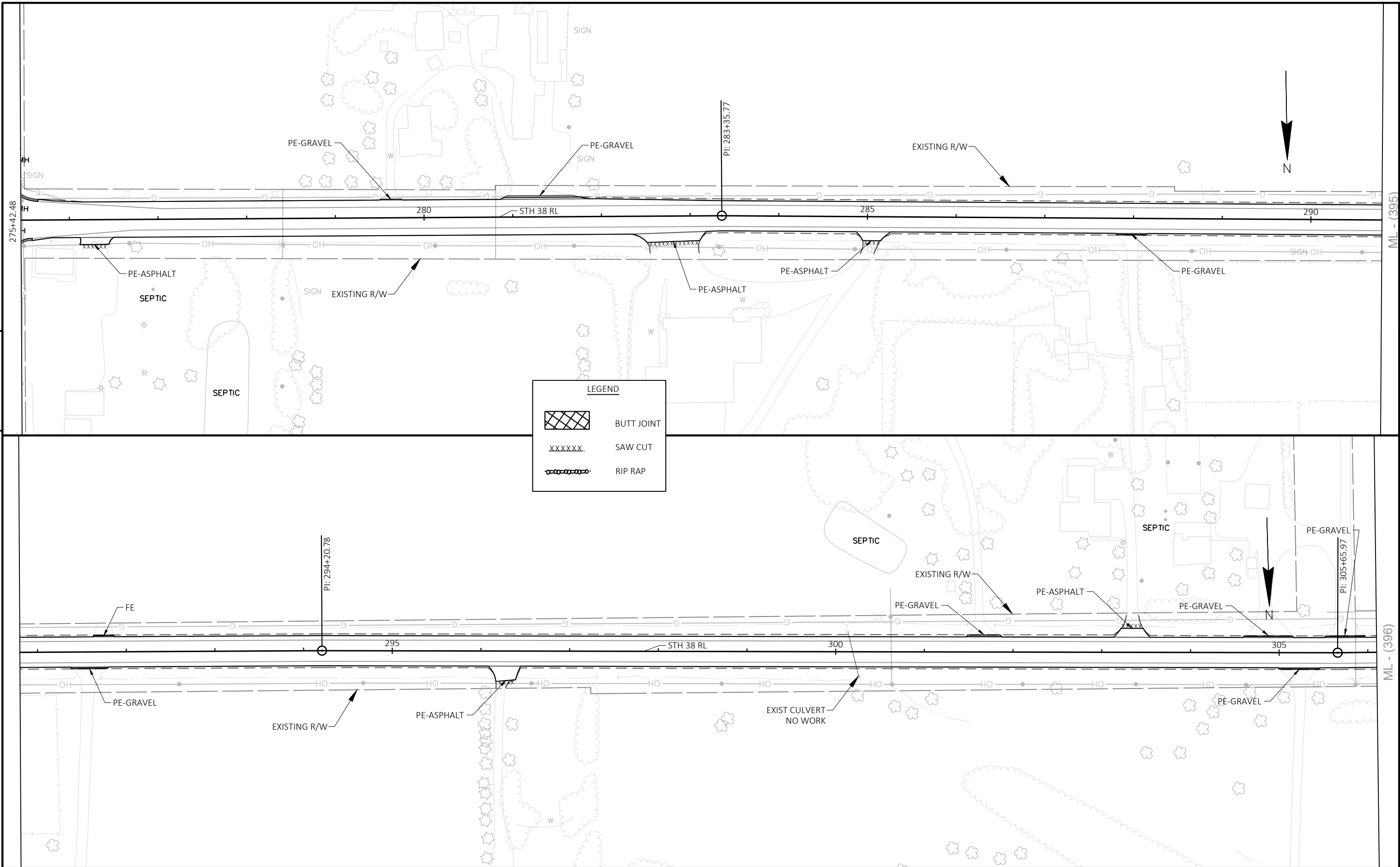
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	SAW CUT
	RIP RAP

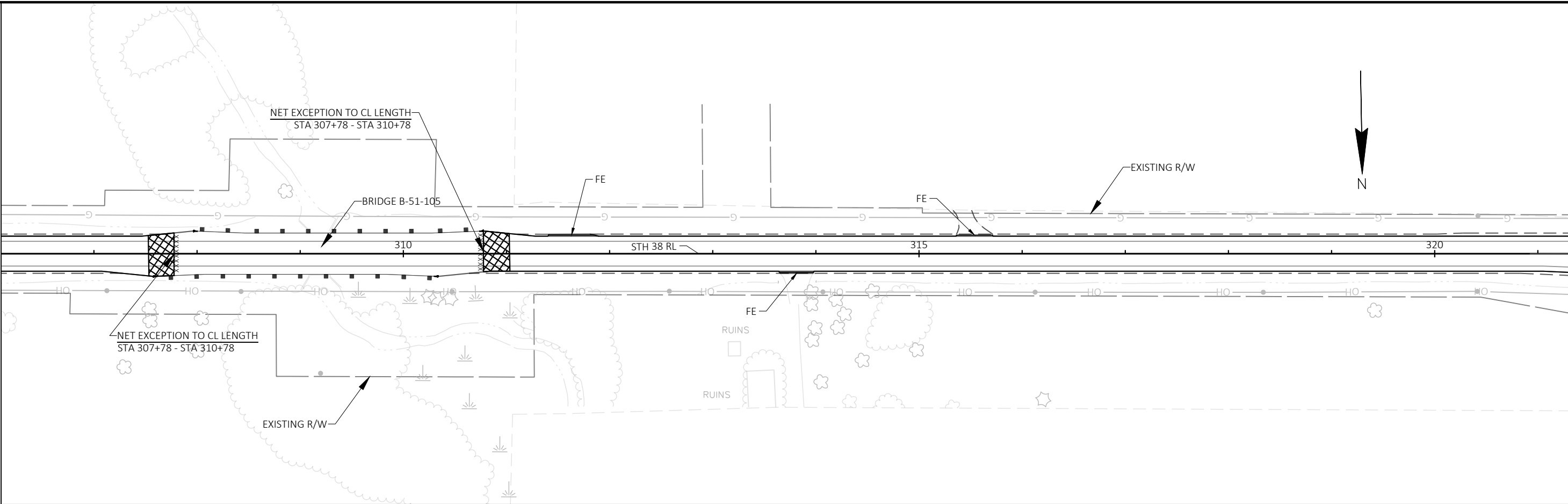


PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PLAN DETAILS	SHEET	E
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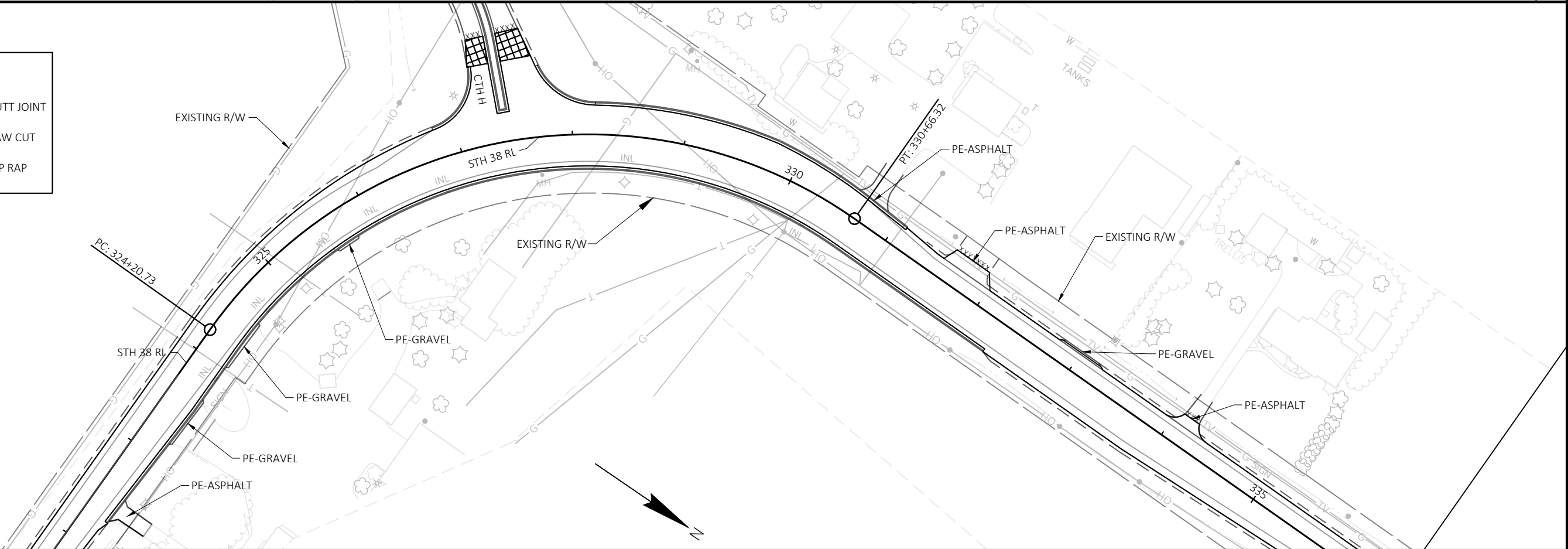




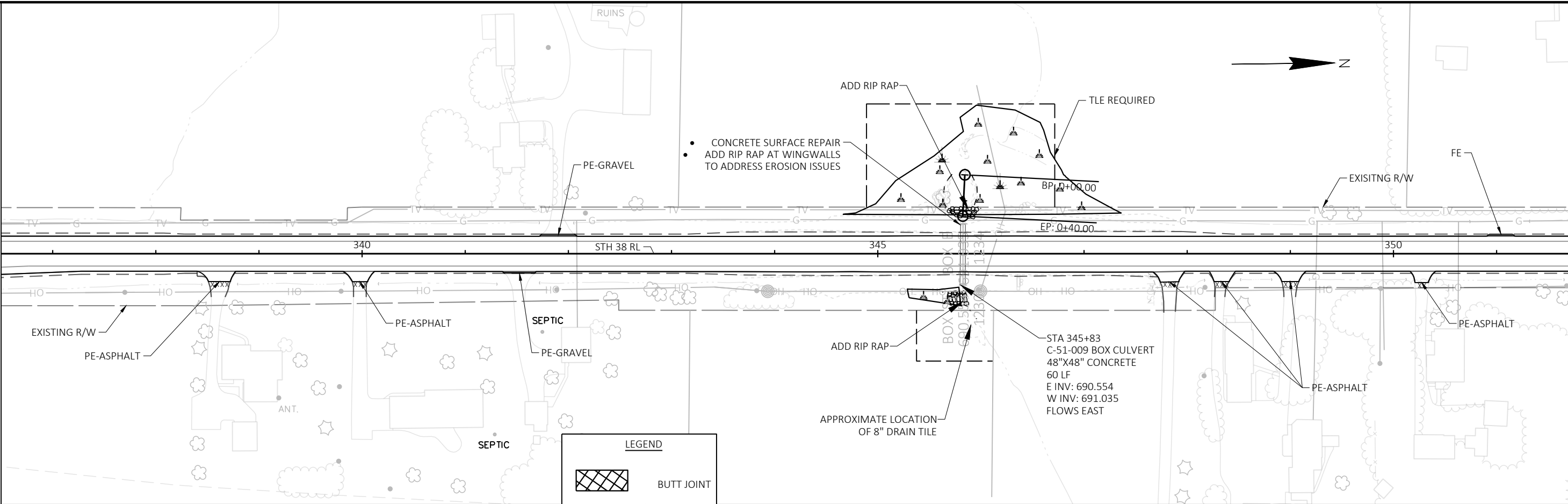


LEGEND

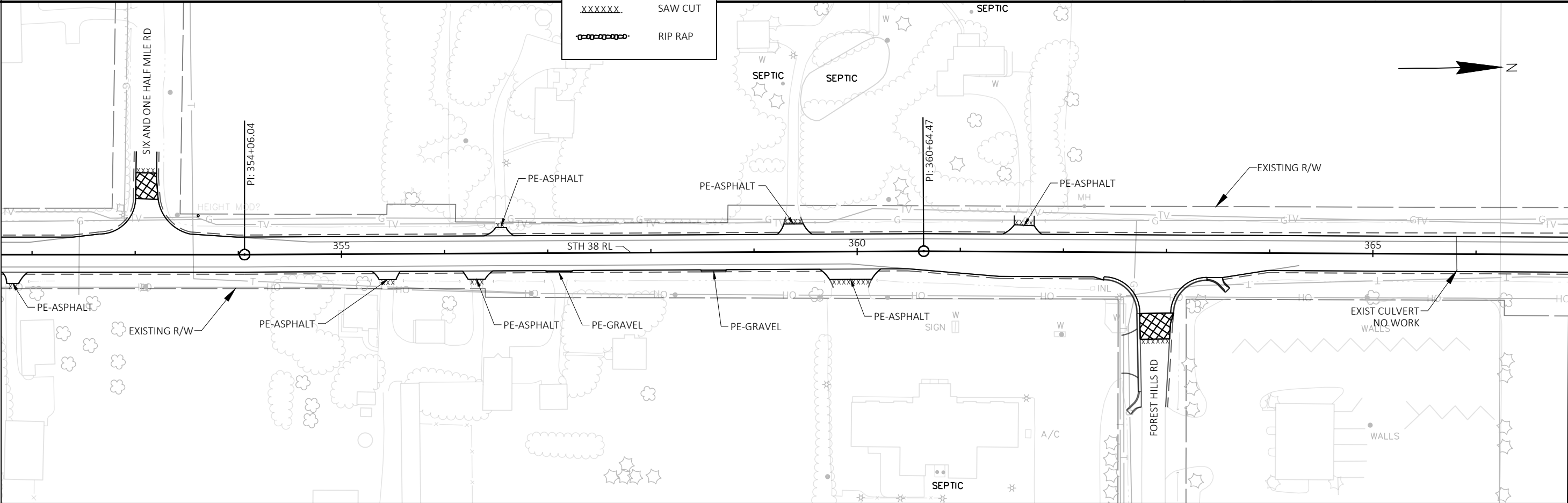
- BUTT JOINT
- SAW CUT
- RIP RAP



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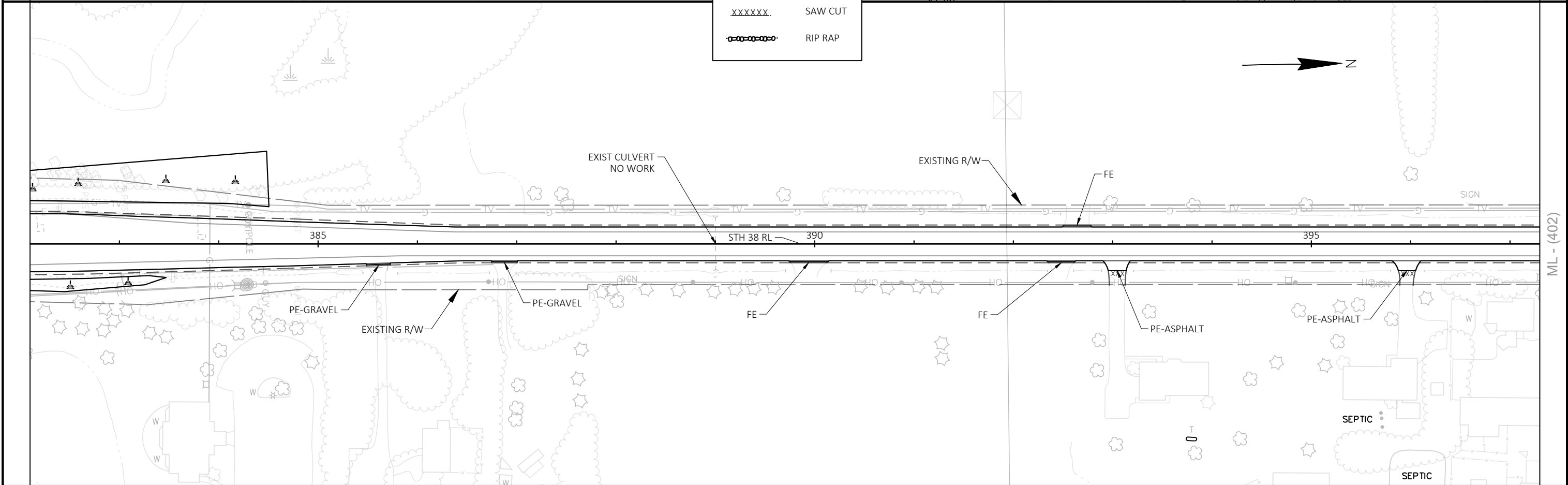
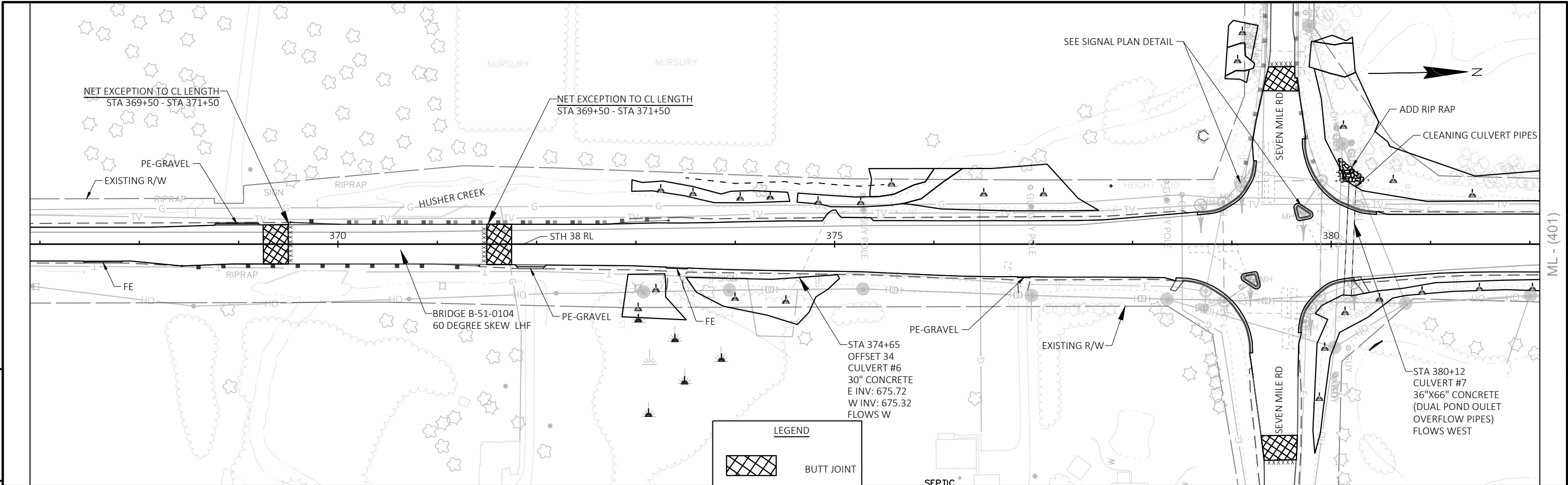


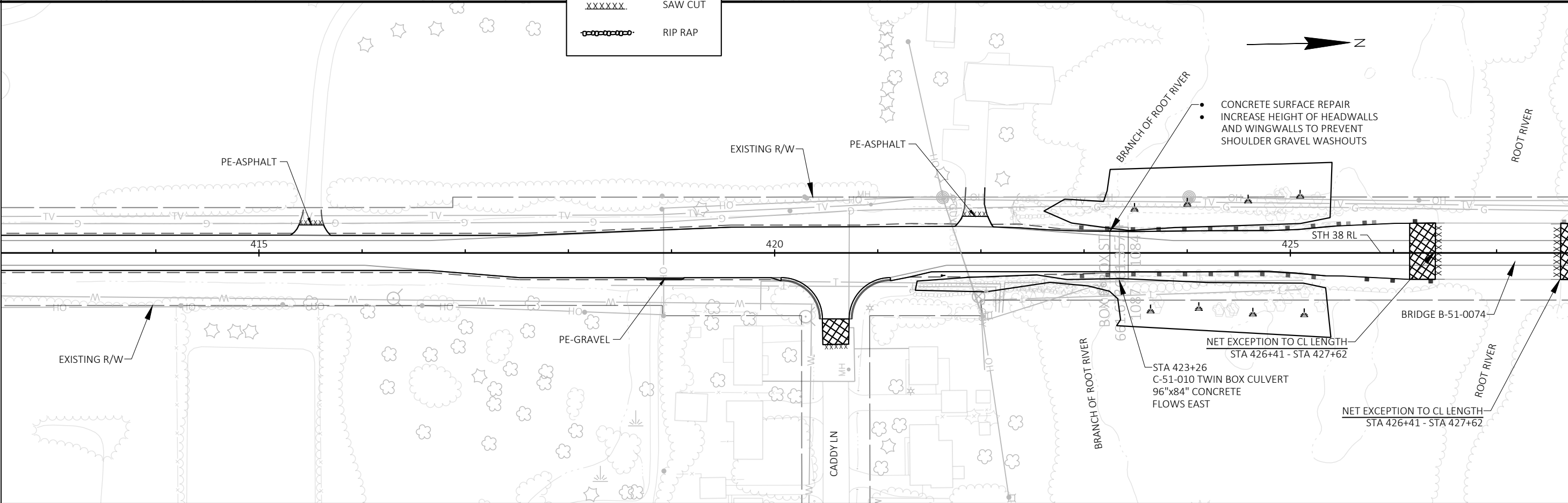
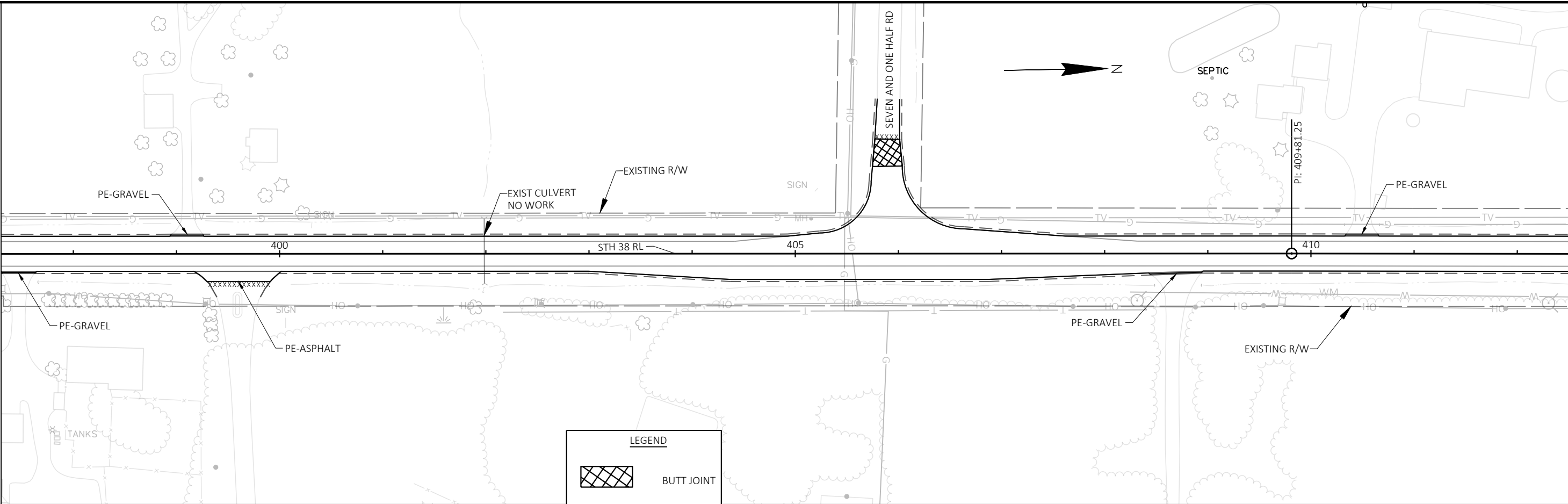
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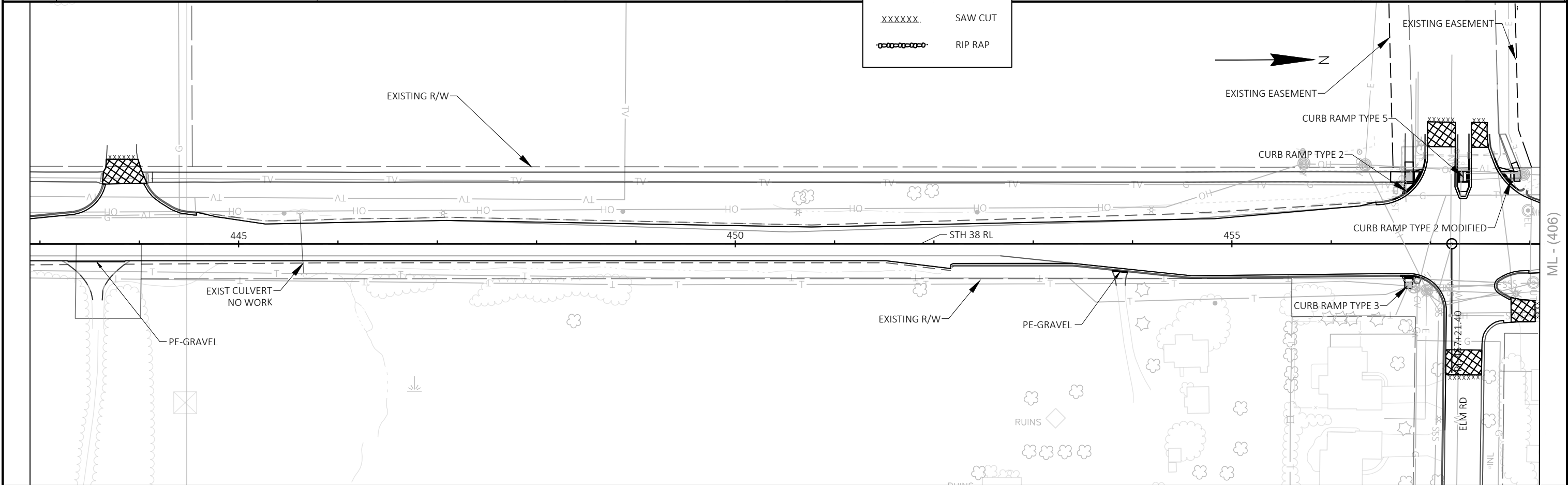
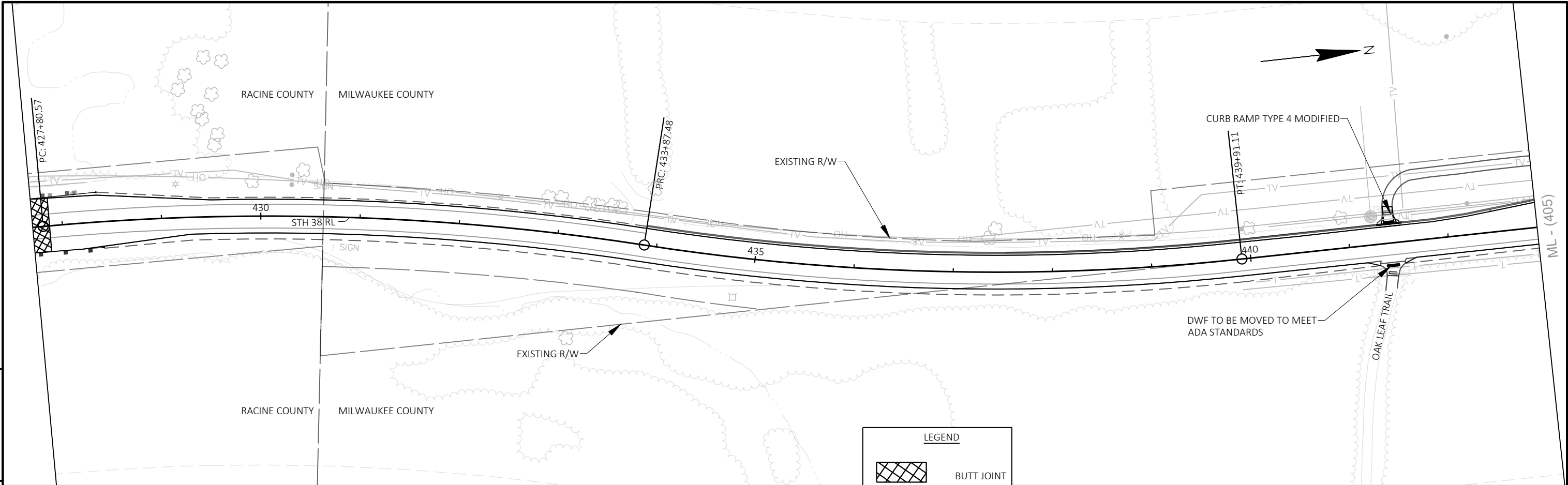


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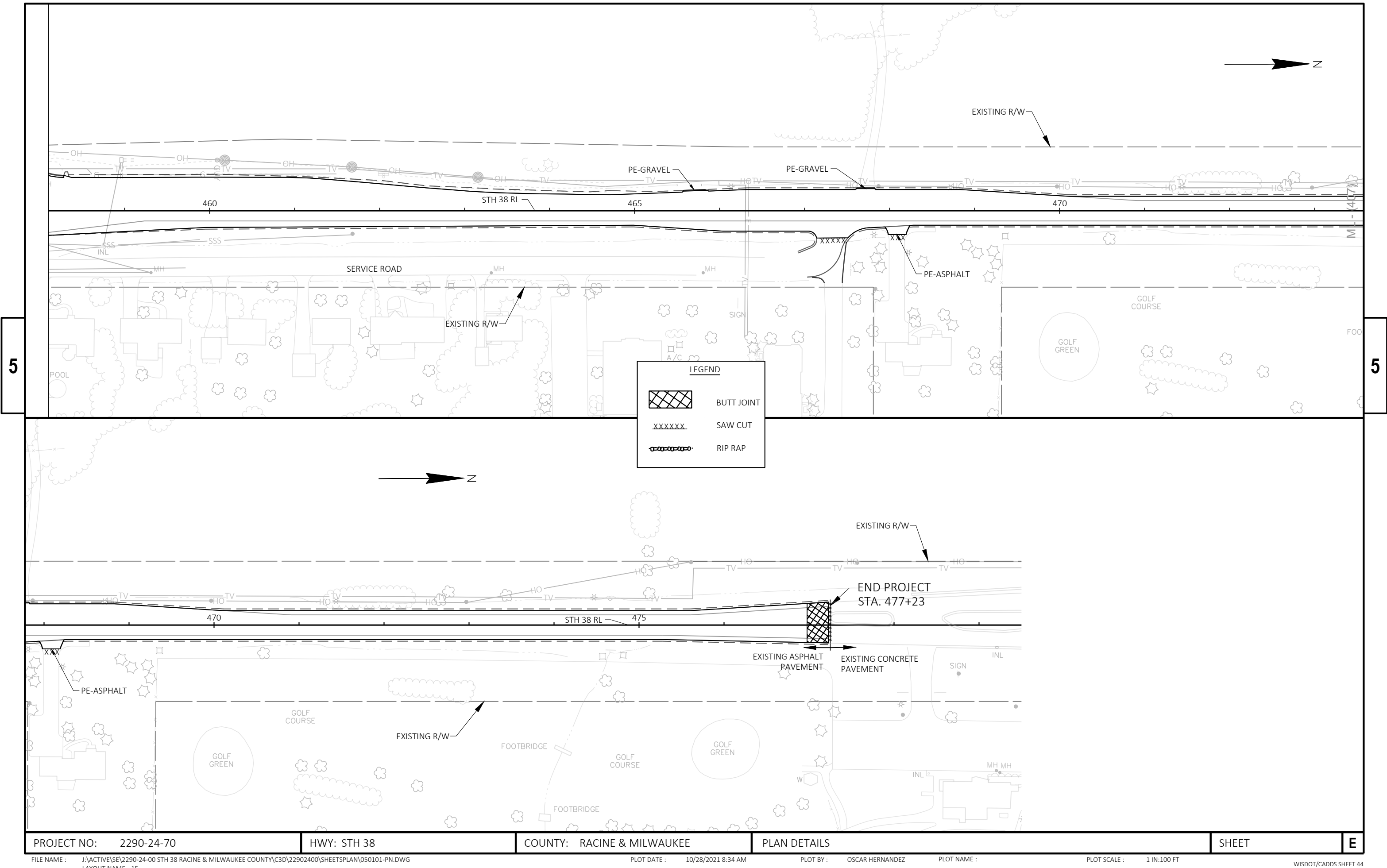
PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PLAN DETAILS	SHEET	E
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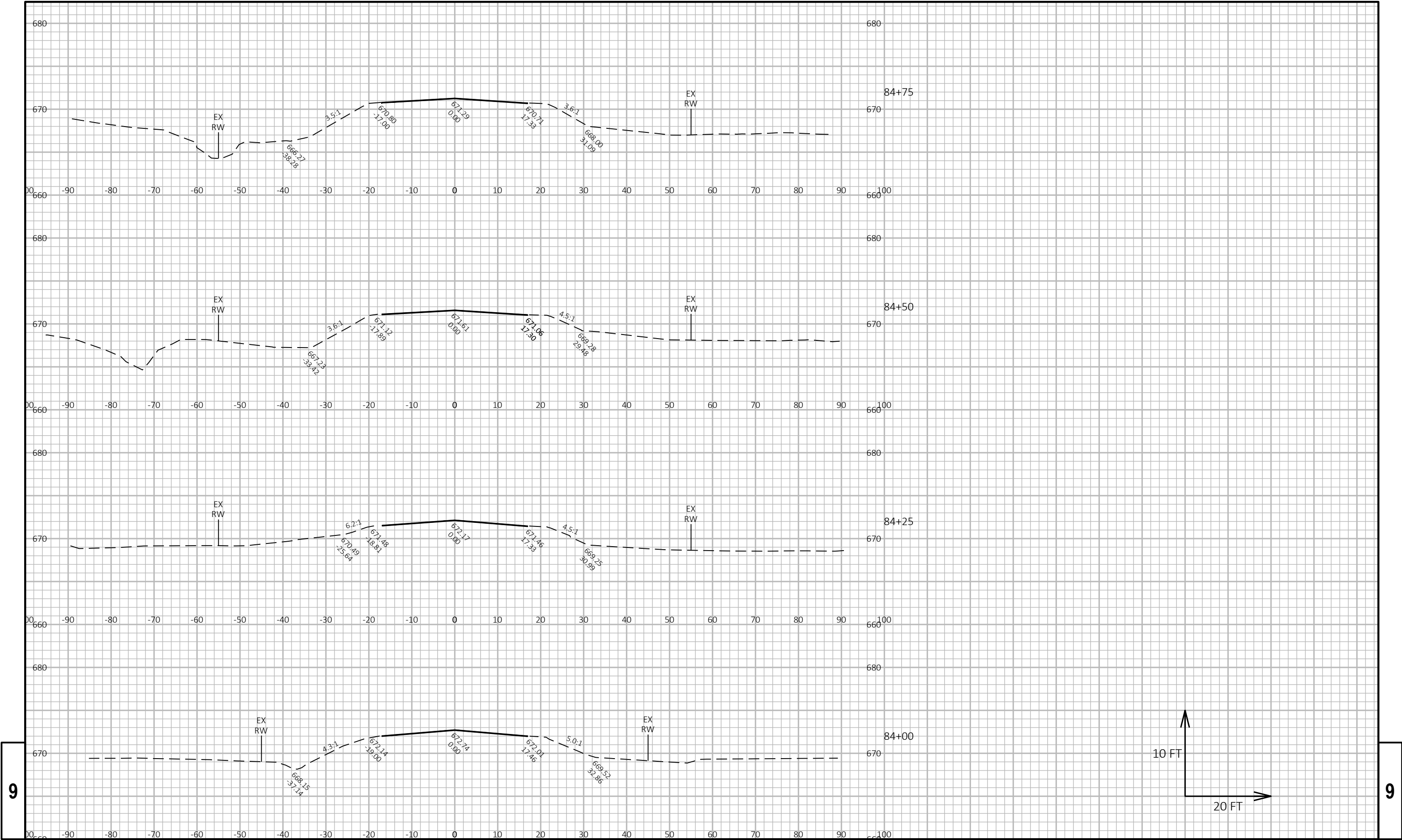


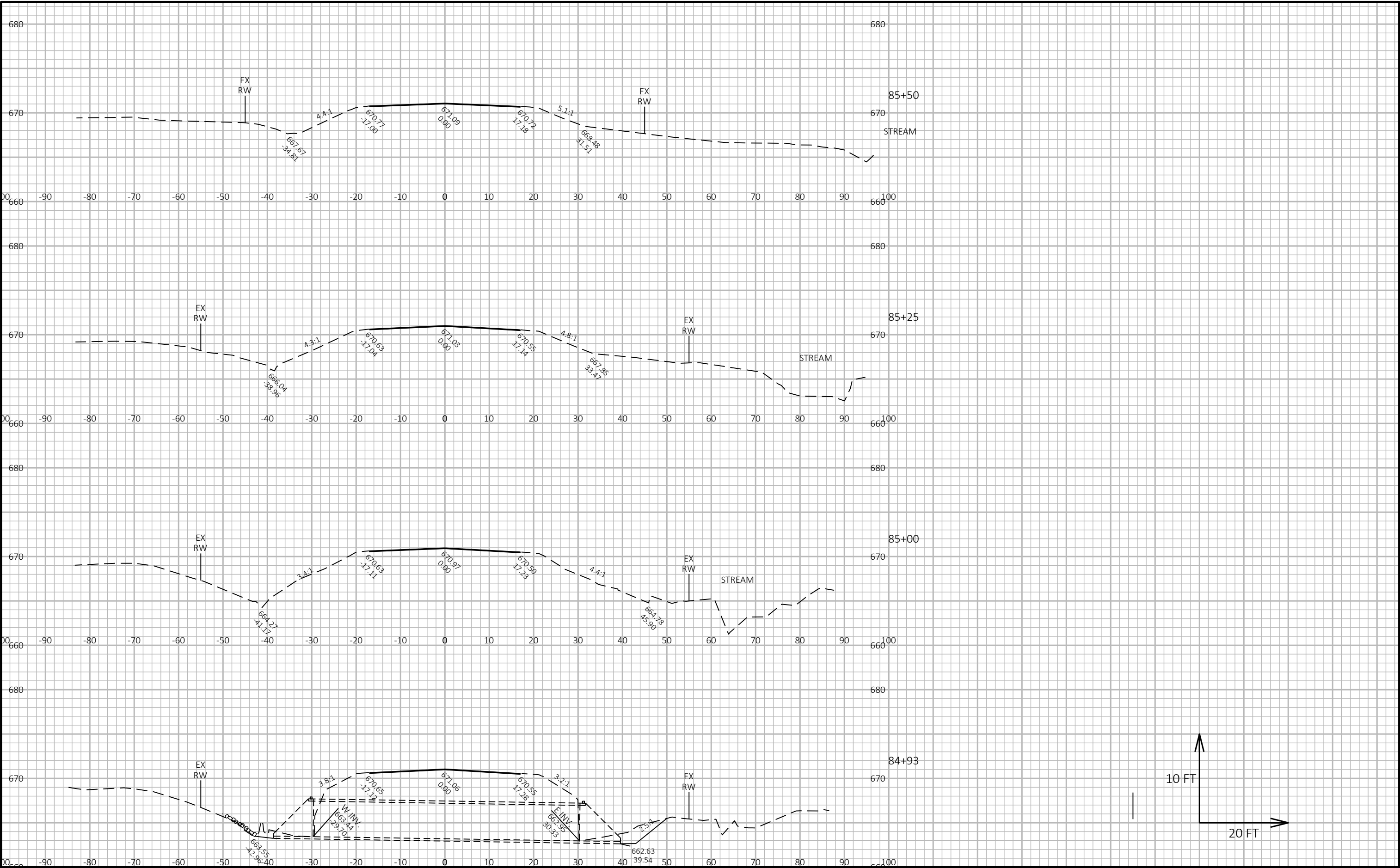
PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	PLAN DETAILS	SHEET	E
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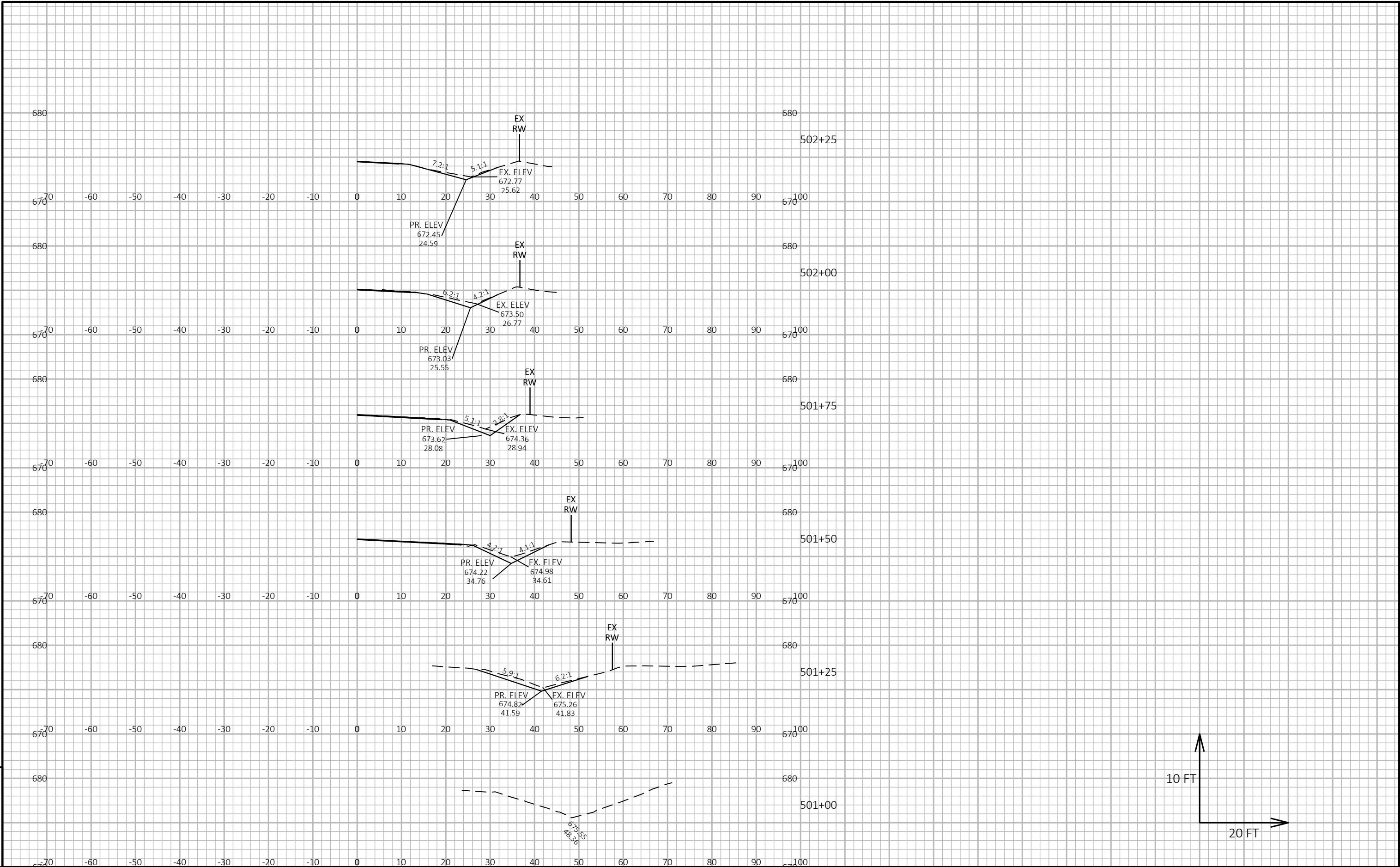


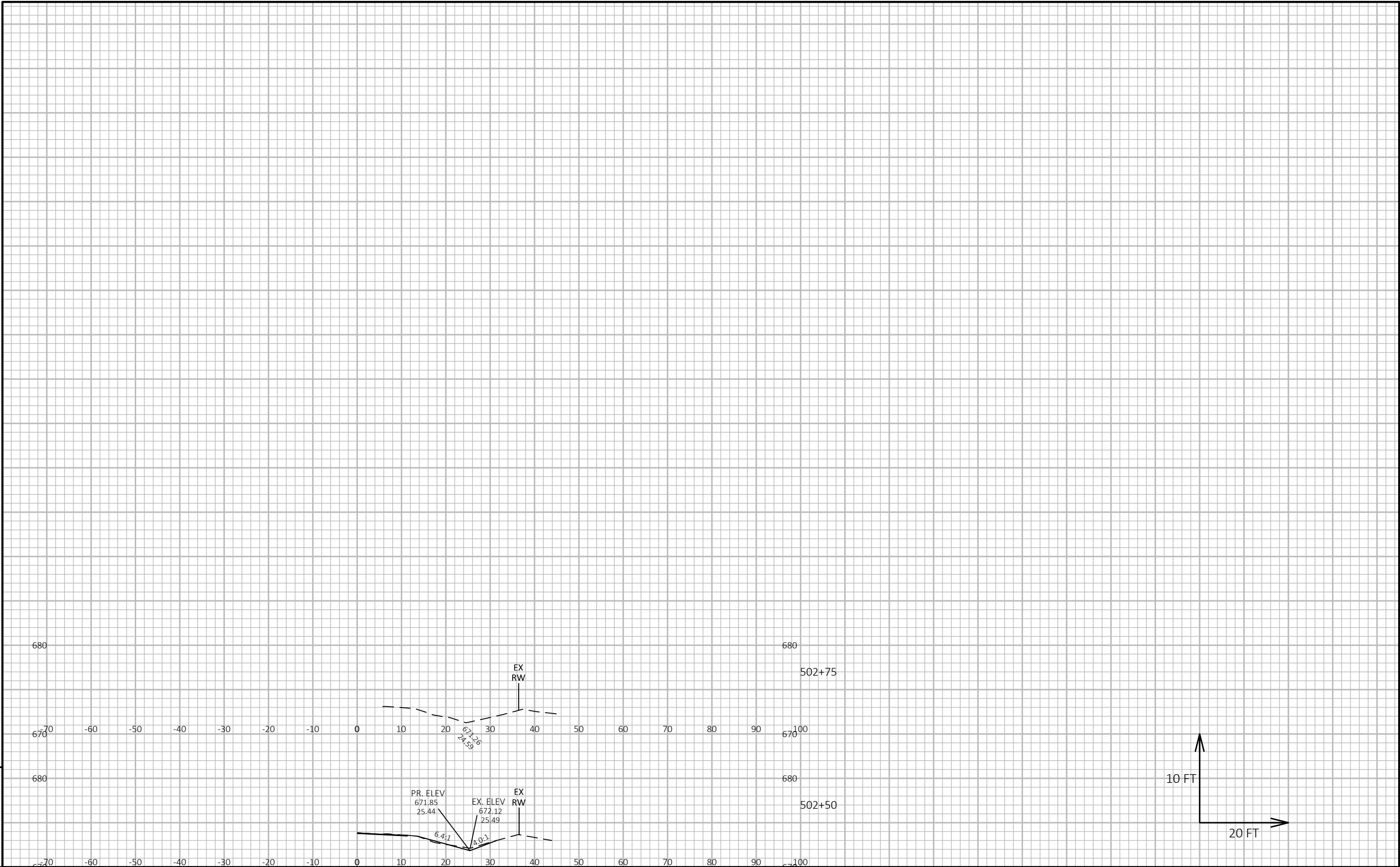
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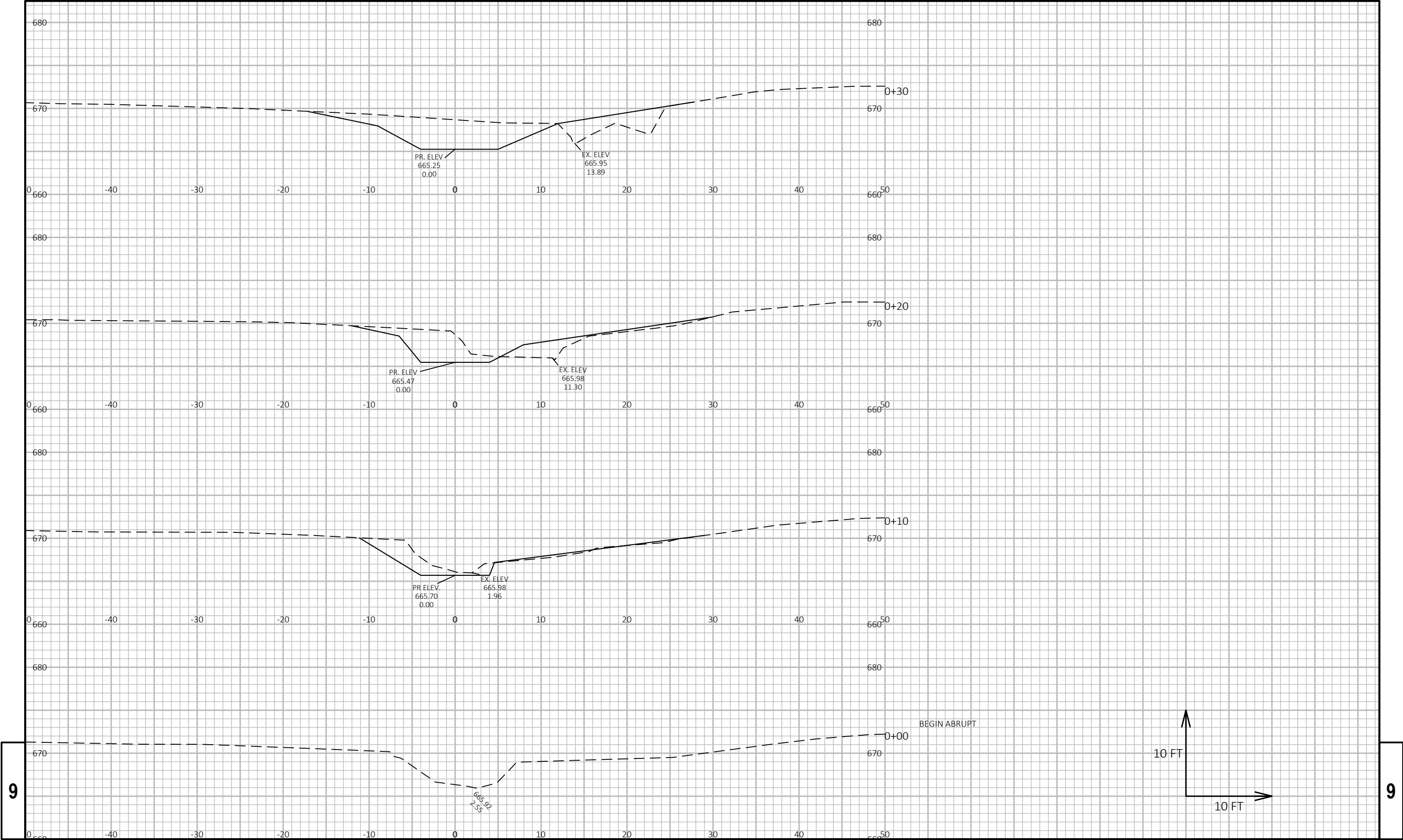


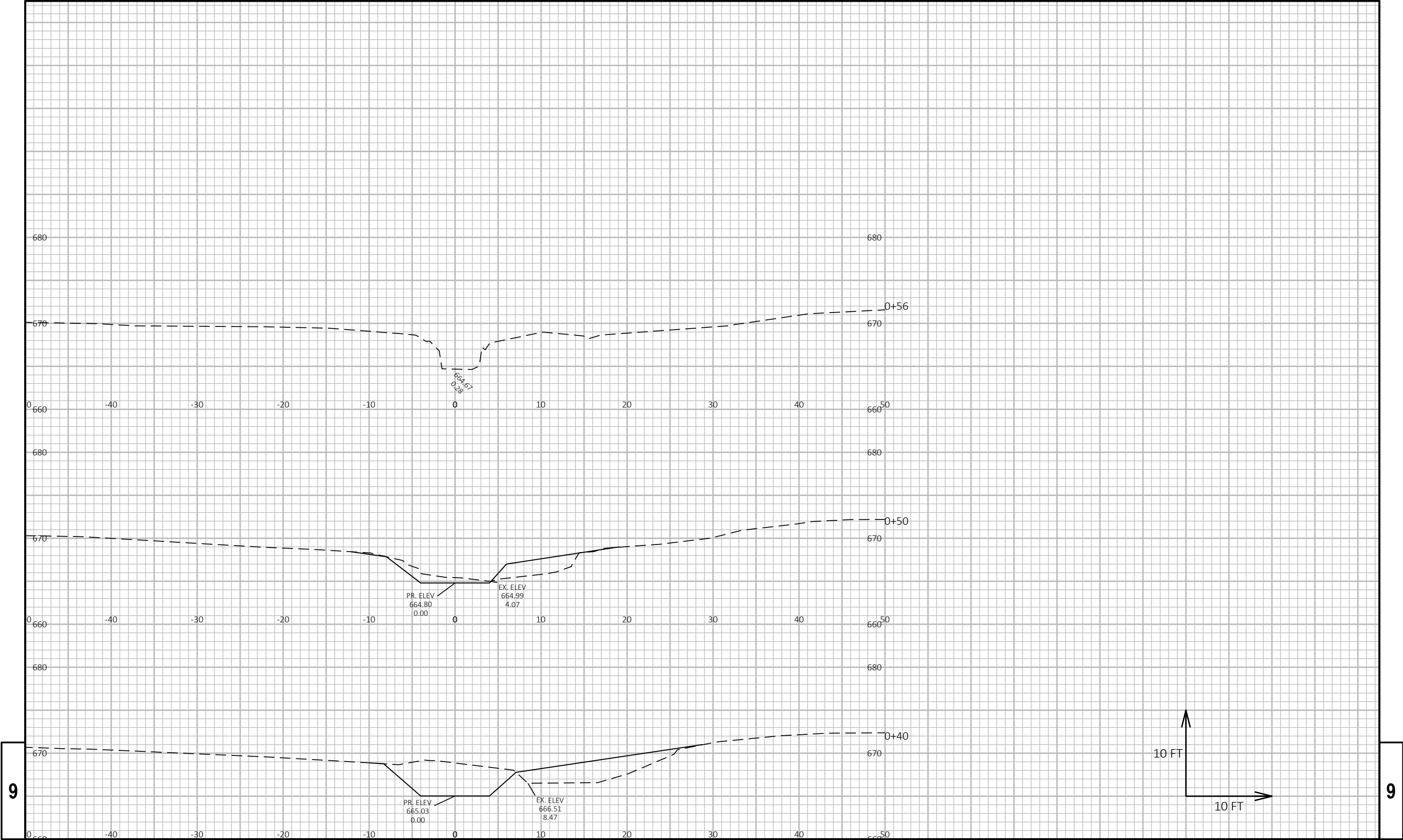


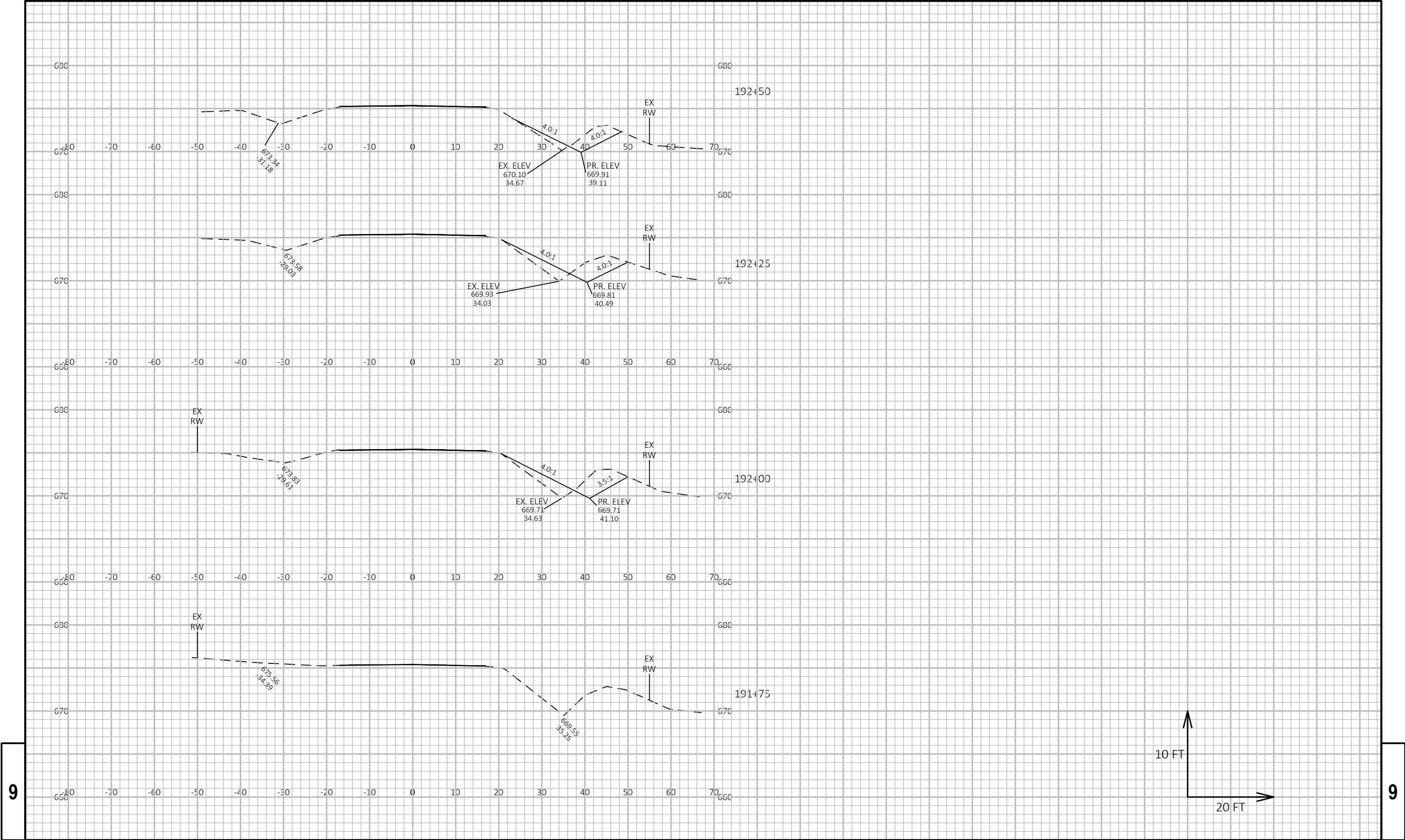




PROJECT NO: 2290-24-70				HWY: STH 38				COUNTY: RACINE & MILWAUKEE				CROSS SECTIONS: CULVERT#1				SHEET				E
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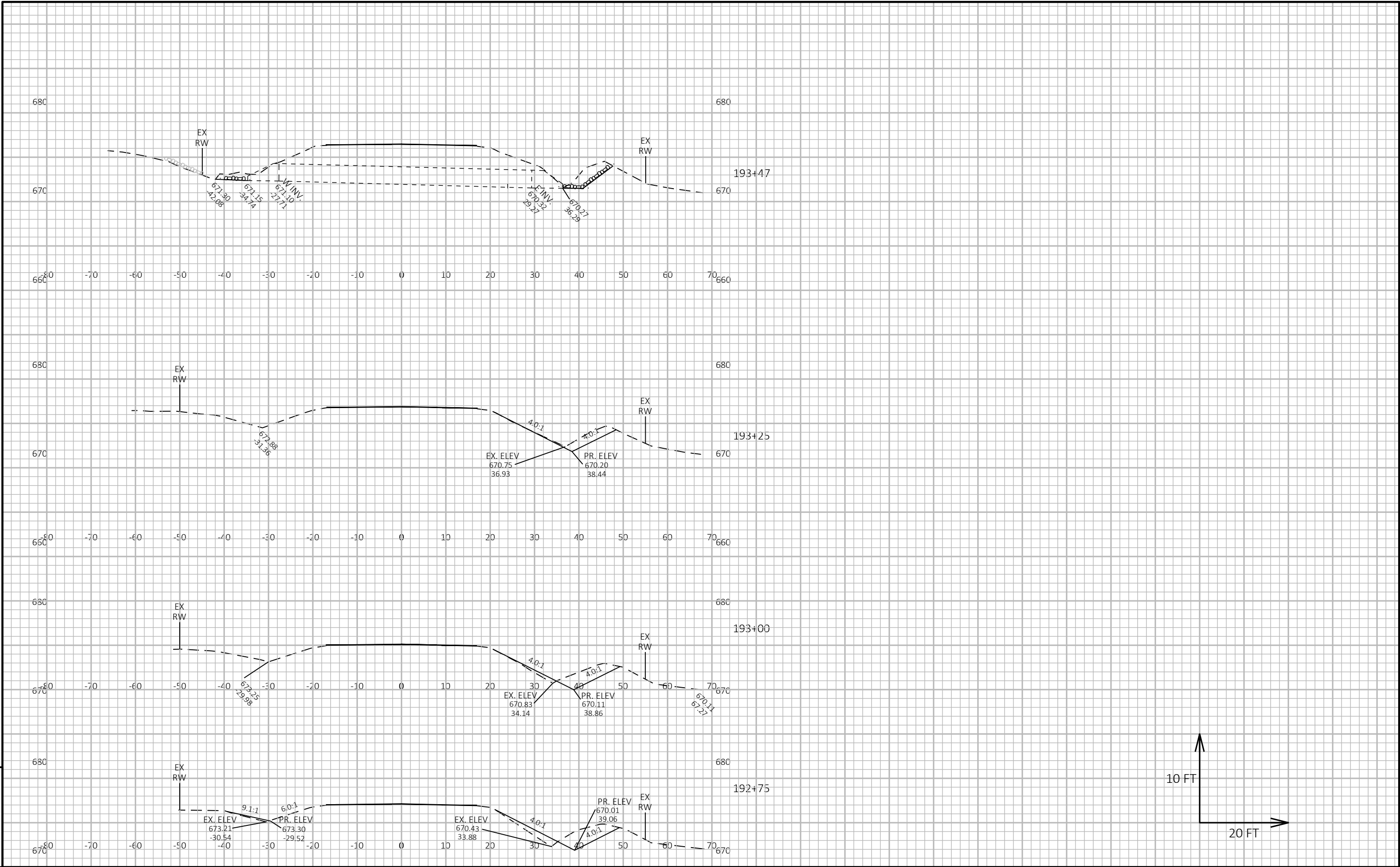


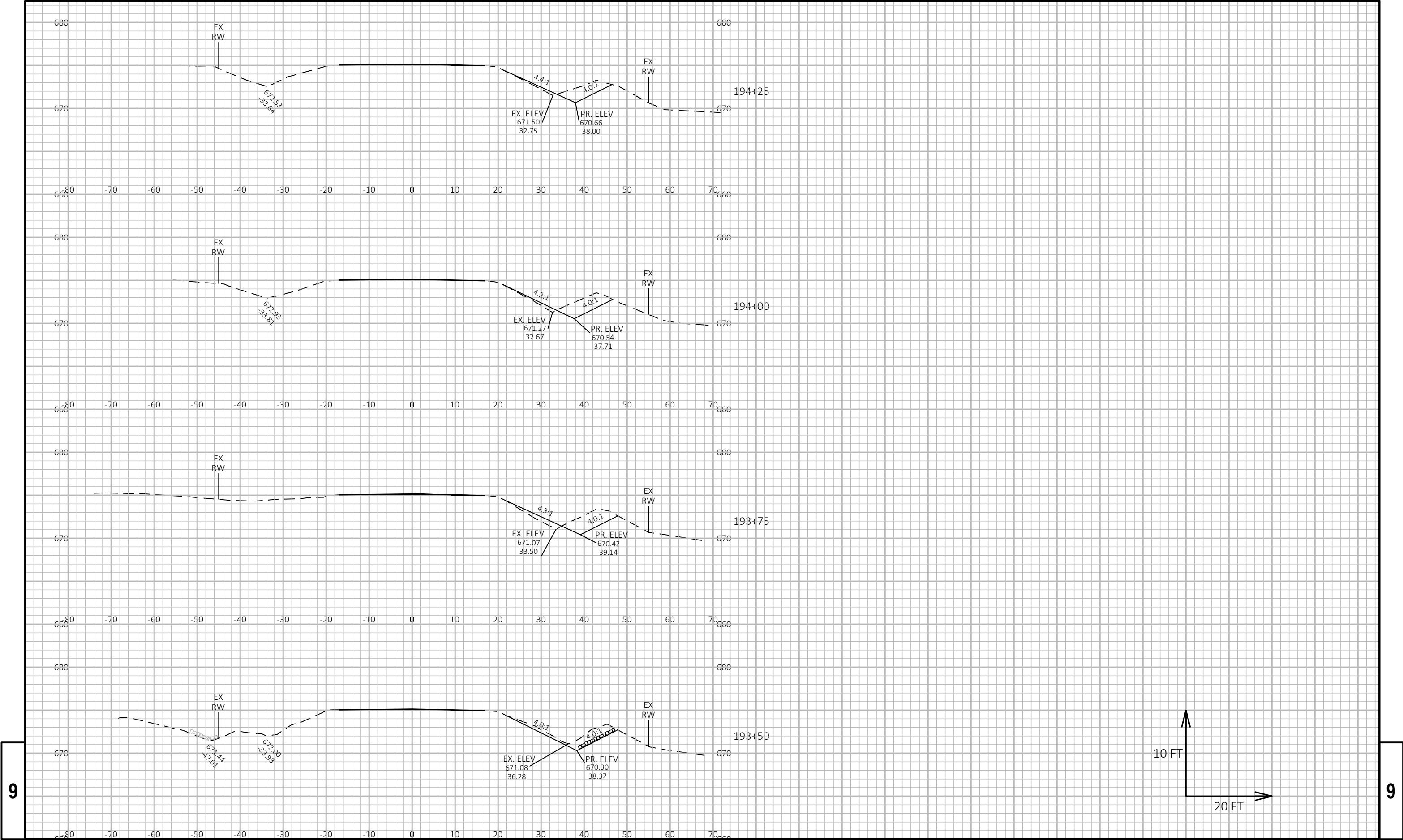




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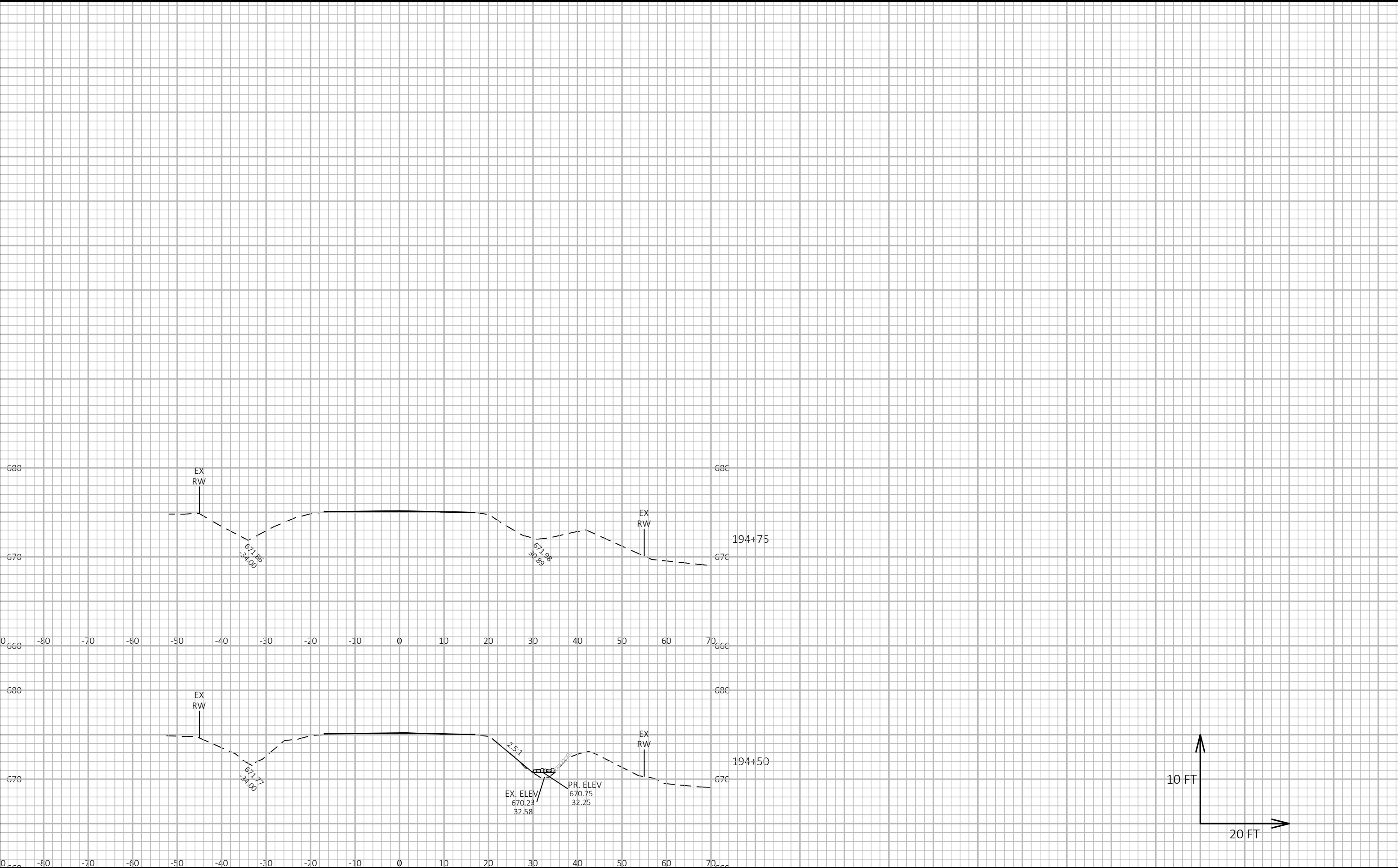


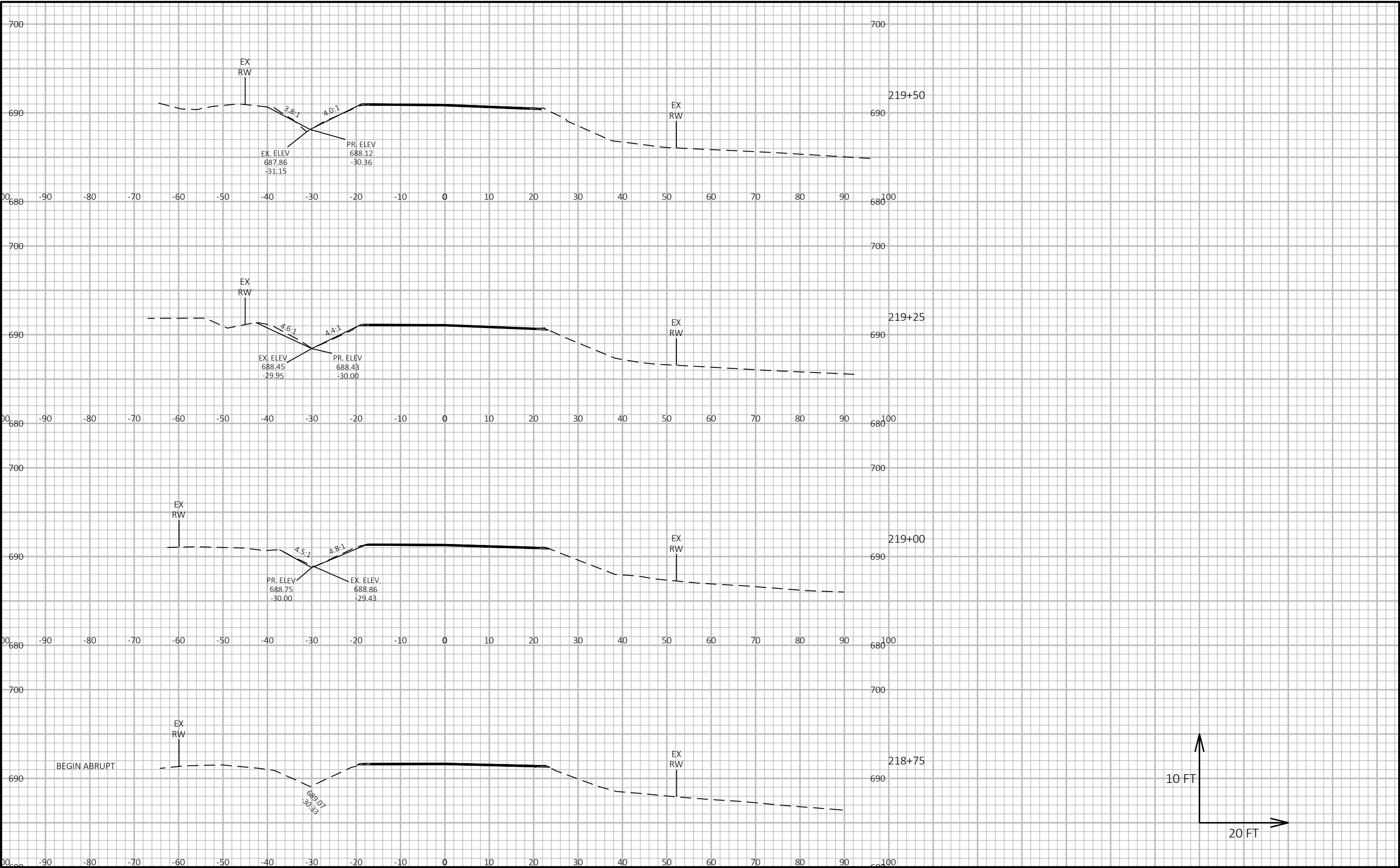


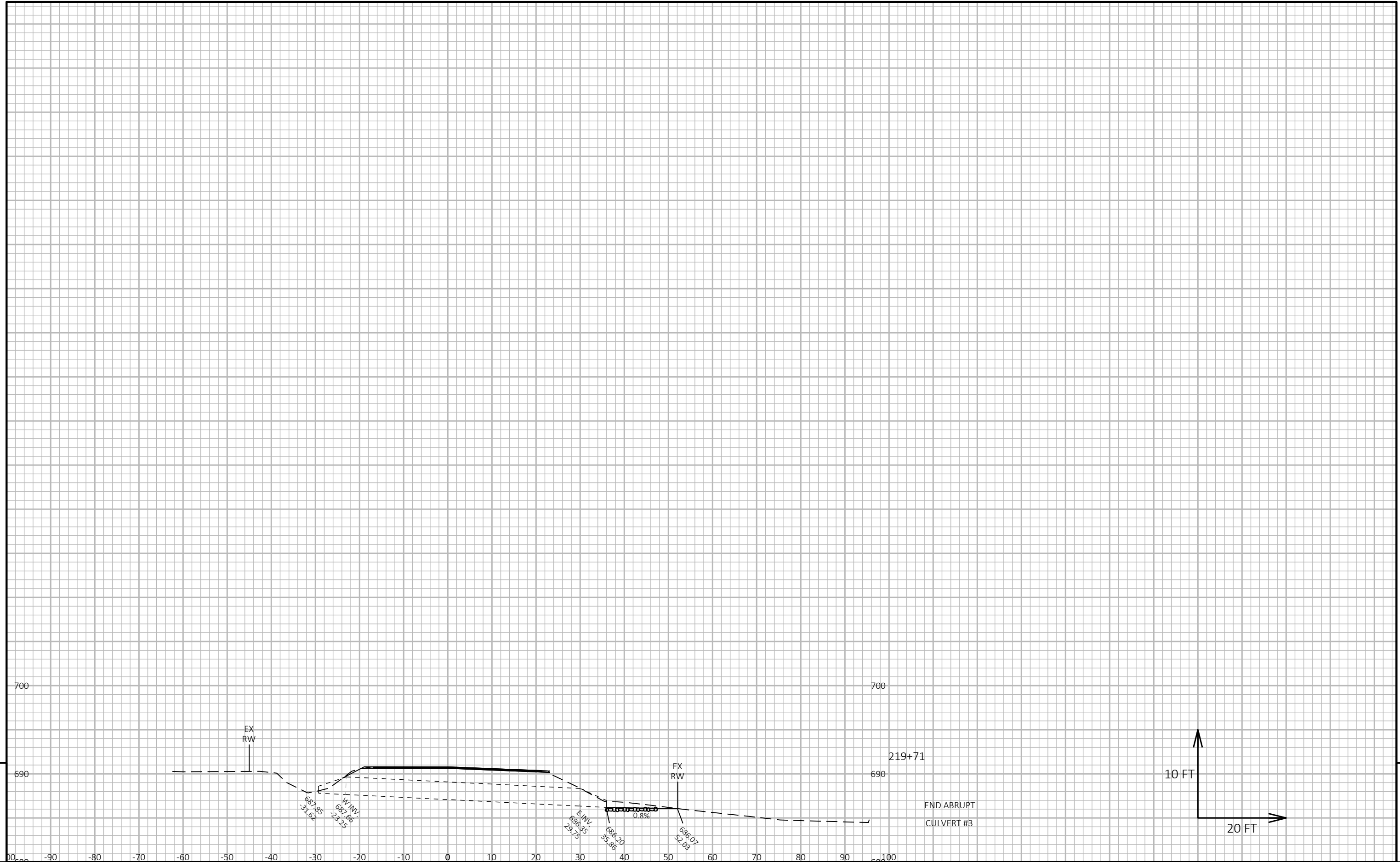
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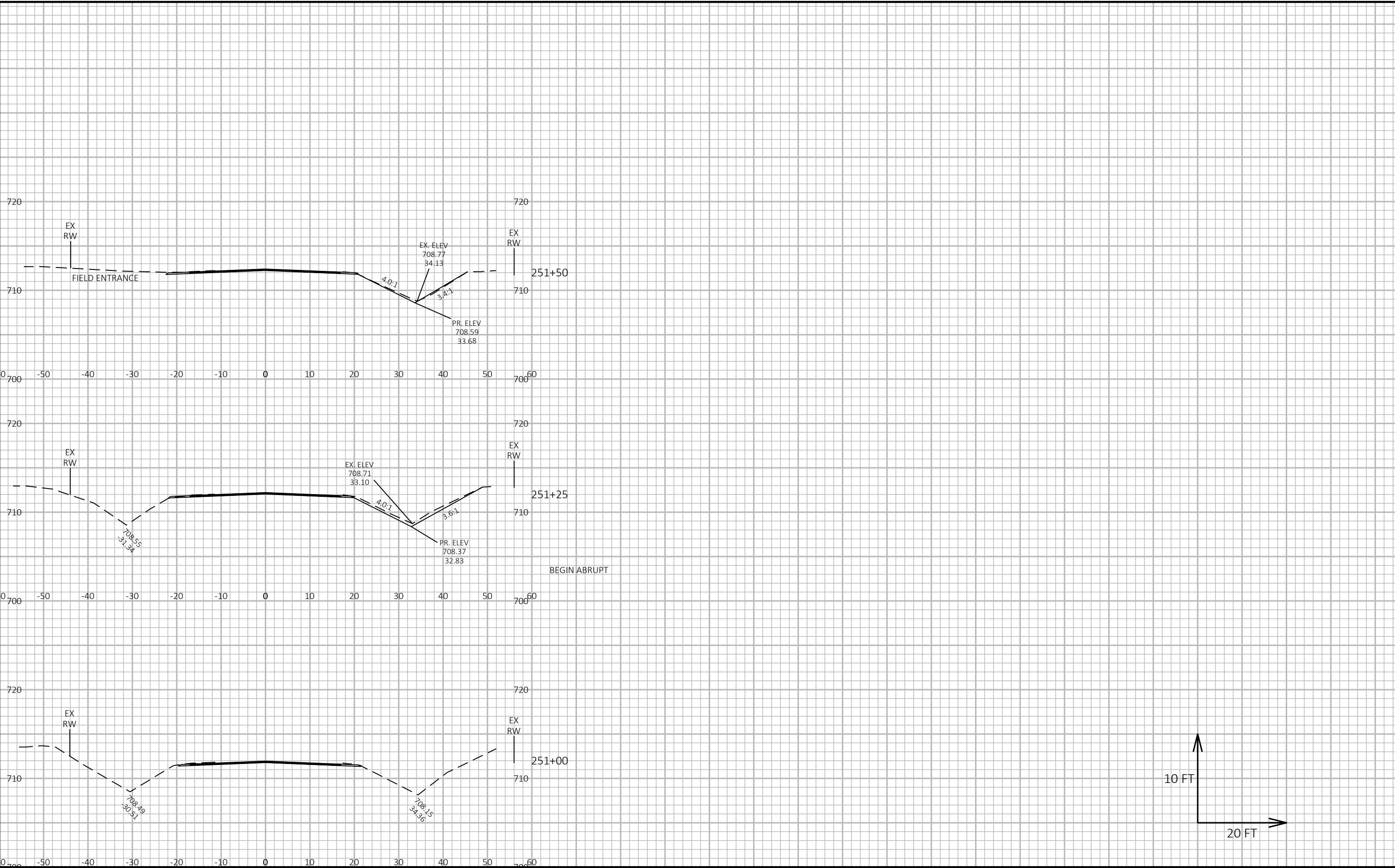
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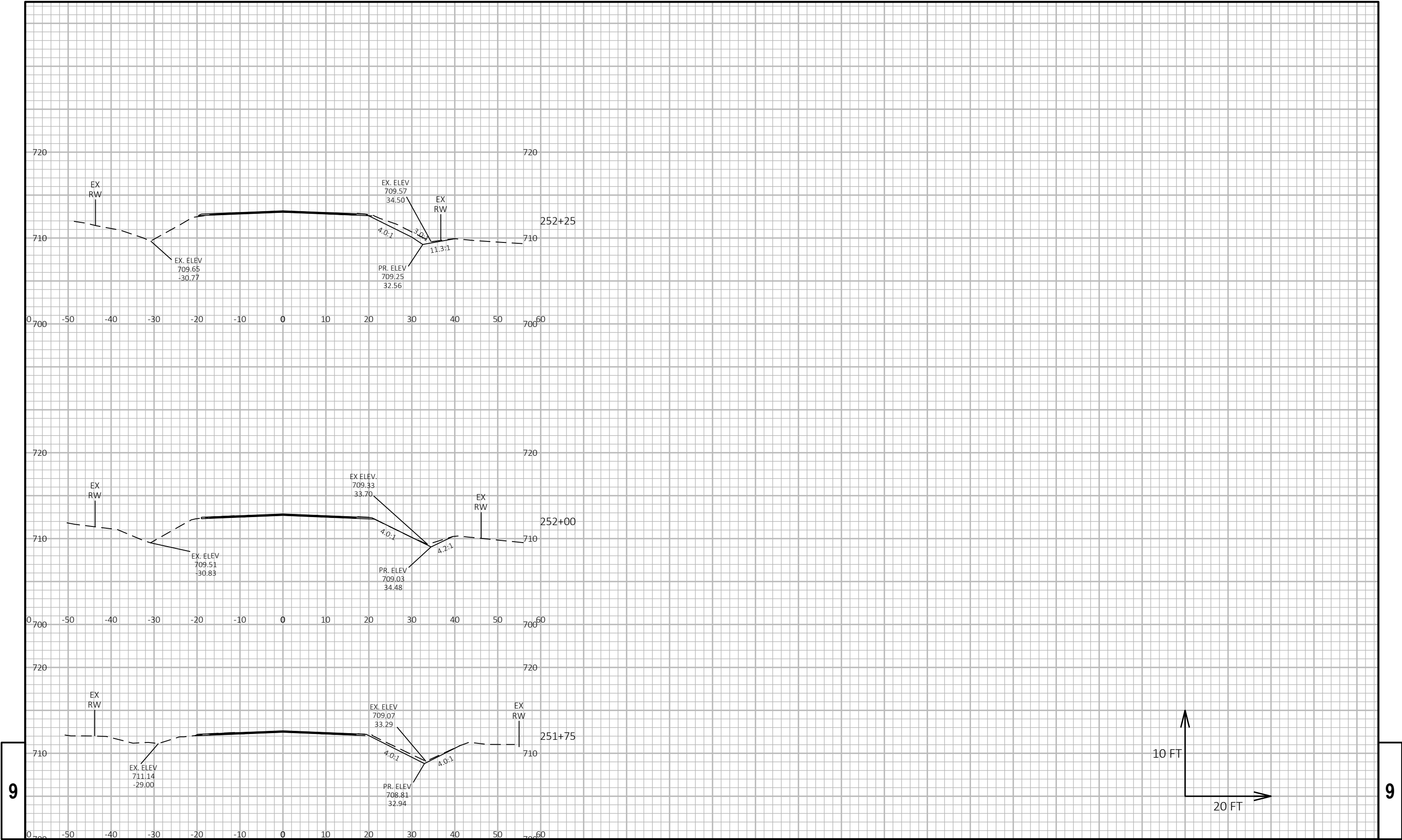
PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	CROSS SECTIONS: CULVERT #2	SHEET	E
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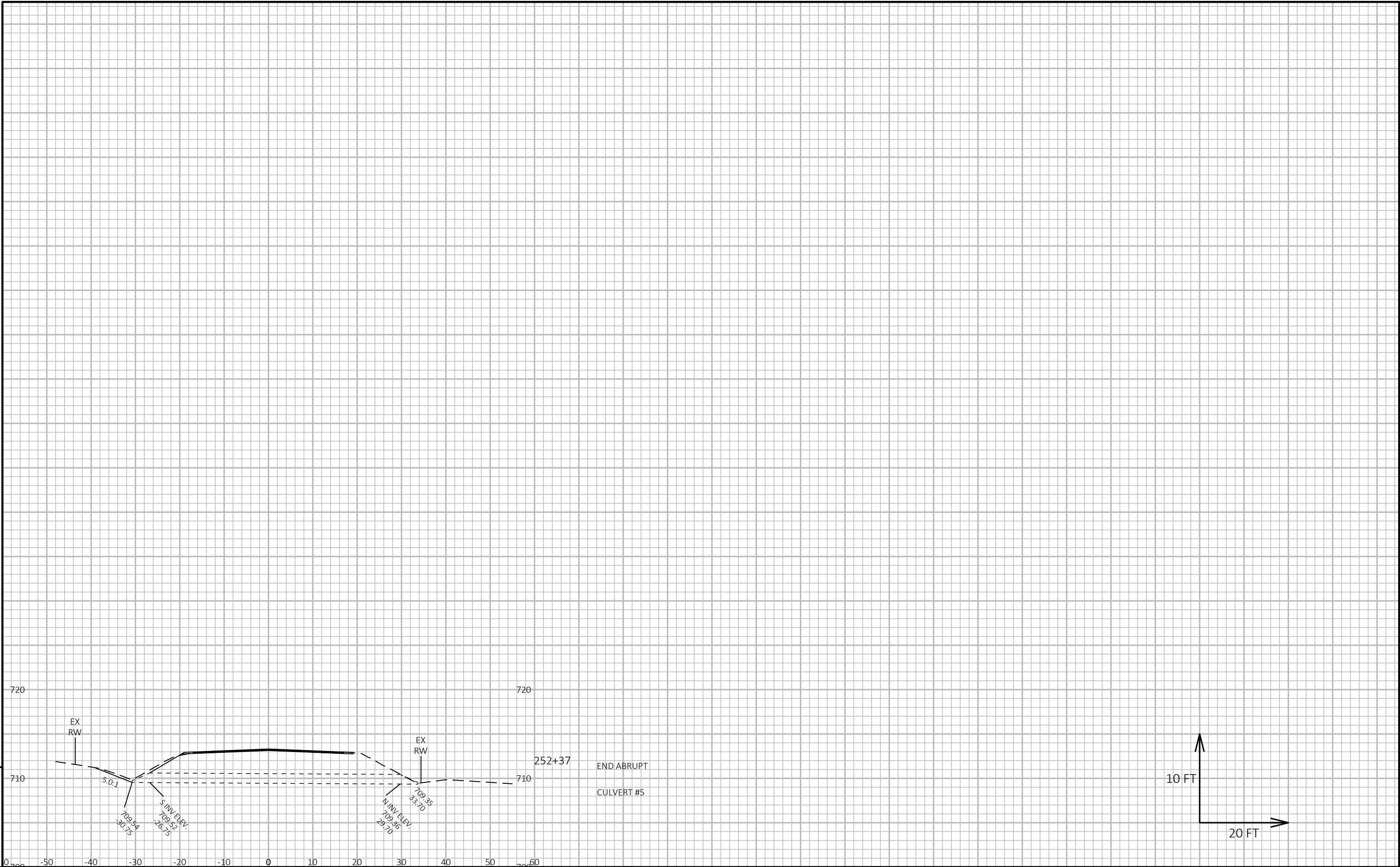








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PROJECT NO: 2290-24-70	HWY: STH 38	COUNTY: RACINE & MILWAUKEE	CROSS SECTIONS: CULVERT #5	SHEET E
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