

PROJECT ID: 2040-03-75

WITH: 2040-20-70

COUNTY: 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

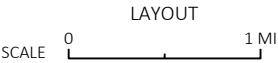
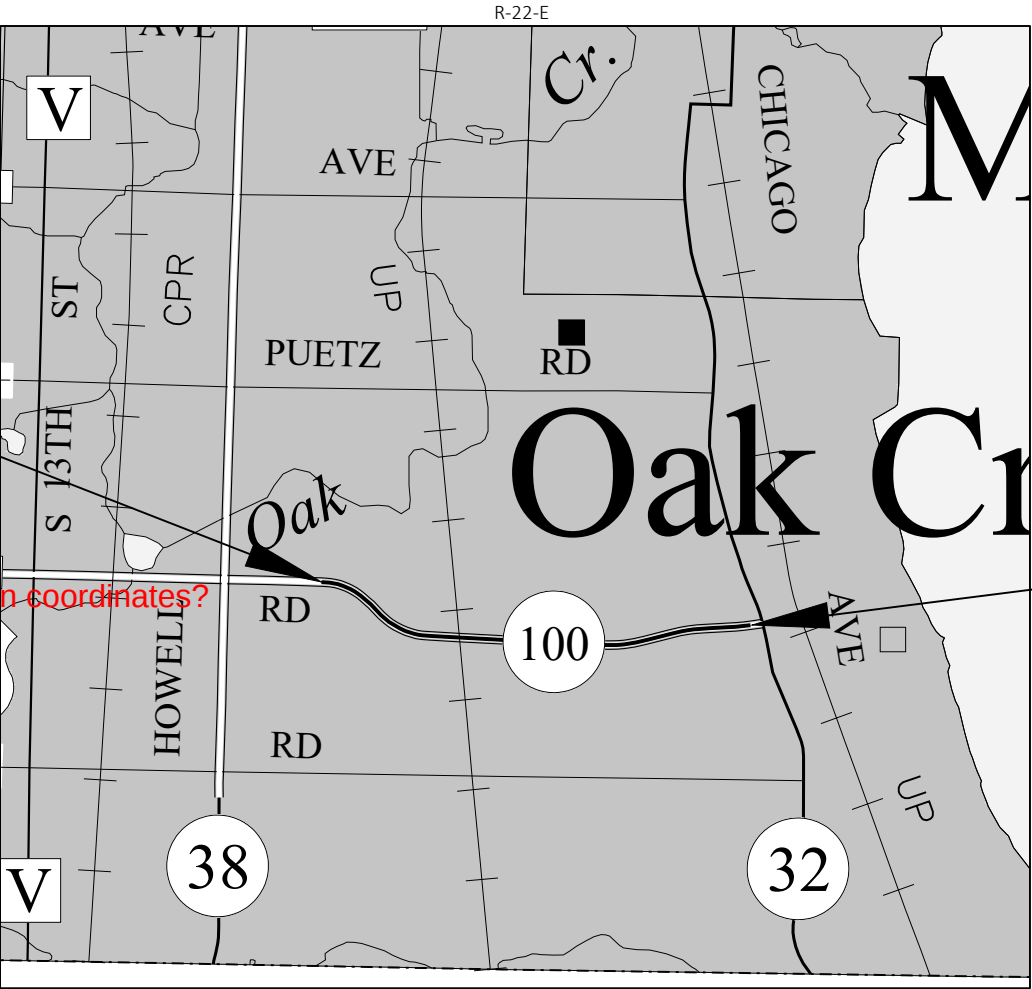
A.A.D.T.	2024	=	17,000
A.A.D.T.	2044	=	20,300
D.H.V.		=	2,010
D.D.		=	56/44
T.		=	5.0%
DESIGN SPEED		=	45 MPH (STA 131+00-176+00); 55 MPH (STA 176+00-249+30)
ESALS		=	1,700,000

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	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

	ROCK
	LABEL
	95.36
	E
	FO
	G
	SAN
	SS
	T
	W



TOTAL NET LENGTH OF CENTERLINE = 2.241 miles

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

RYAN ROAD

SHEPARD AVE TO STH 32

STH 100

MILWAUKEE

STATE PROJECT NUMBER
2040-03-75

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2040-03-75		
2040-20-70		

60% PLAN
4/1/2021

BEGIN PROJECT
STA 131+00

END PROJECT
STA 249+30

Please place a row
space between
horizontal and vertical
datums (see
attachment example).

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	WISDOT
Designer	CLAYTON SMITH
Project Manager	ROBERT BELLIN
Regional Examiner	STEVE CHOJNACKI
Regional Supervisor	BENEDICT ERUCHALU
APPROVED FOR THE DEPARTMENT	
DATE:	(Signature)

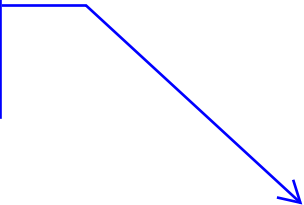
GENERAL NOTES

- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
 - D.O.T. BRIDGE BENCHMARK MONUMENT TO BE FURNISHED BY THE STATE AND PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
 - CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER.
 - FOR INLET AND CATCH BASIN STRUCTURES LOCATED IN THE CURB OR IN FRONT OF BARRIER, STATION, OFFSET, AND ELEVATIONS ARE GIVEN TO THE FLOW LINE. MH STATION, OFFSET, AND ELEVATIONS ARE GIVEN TO THE CENTER OF STRUCTURE. SEE CONSTRUCTION DETAILS.
 - CONTACT THE PROJECT ENGINEER, THE COUNTY SURVEYOR, AND SEWRPC AT LEAST TWO WEEKS BEFORE WORKING NEAR ANY SECTION CORNER MONUMENT.
 - VERIFY EXISTING PAVEMENT ELEVATIONS AT ALL TIE-INS TO EXISTING PAVEMENT PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF A DISCREPANCY IS FOUND BETWEEN PROPOSED PLAN ELEVATIONS AND EXISTING PAVEMENT ELEVATIONS.
 - CONSTRUCT PAVEMENT CONSISTENT WITH THE PLAN TYPICAL SECTIONS. LOCATE LONGITUDINAL JOINTS IN ASPHALT PAVEMENT OUTSIDE OF DRIVING, TURNING, BIKE, OR PARKING LANE UNLESS DIRECTED OTHERWISE BY THE ENG PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE, OR PARKING LANE. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE.
 - SAWCUT EXISTING ASPHALT AND CONCRETE PAVEMENT AT THE MATCHLINE AS INDICATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
 - RESHAPE, RESTORE AND FINISH ALL PREVIOUSLY GRASSED AREAS DISTURBED BY OPERATIONS OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT NO EXPENSE TO THE DEPARTMENT
 - DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED, FERTILIZED, SEEDED, AND MULCHED OR SODDED AS DIRECTED BY THE ENGINEER.
 - PRIOR TO THE PLACEMENT OF STEEL PLATE BEAM GUARD OR MGS GUARDRAIL, THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED UNLESS SHOWN OTHERWISE.
 - ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.
 - CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
- GENERAL DRAINAGE NOTES
- INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES AND PIPES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.
 - VERIFY THE EXISTING STORM SEWER SYSTEM CONNECTION LOCATIONS AND ELEVATIONS BEFORE ORDERING DRAINAGE STRUCTURES AND PIPES. NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE INFORMATION SHOWN ON THE PLANS BEFORE INSTALLING THE PROPOSED STORM SEWER.

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- UTILITY AND OTHER CONTACTS
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS*
- PLAN DETAILS AND EROSION CONTROL
- PERMANENT SIGNING*
- PAVEMENT MARKING
- TRAFFIC CONTROL
- ALIGNMENT
**Not included in 60% Plan*

Evaluate this project to see if it should have HMA PWL, also look at the staging to see if echelon paving can be done.



HMA PAVING LAYER DEPTHS

PAVEMENT LOCATION	TOTAL PAVEMENT THICKNESS	LAYERS	TYPE
STH 100			
STA 131+00 - 249+30	2"	UPPER	4 MT 58-28 S

AT&T LEGACY - COMMUNICATION LINE

Kenneth Colwell
222 W Jackson
Woodstock, IL 60098
(312) 734-2223
kc1298@att.com

AT&T WISCONSIN - COMMUNICATION LINE

Matthew Dinnauer
2005 Pewaukee Rd
Waukesha, WI 53188-2443
(262) 896-7690
md9542@att.com

CENTURYLINK COMMUNICATIONS, LLC - COMMUNICATION LINE

General Mailbox Centurylink National OSP Reloc
CenturylinkNationalOSPRelocations@centurylink.com

LEVEL 3 COMMUNICATIONS LLC - COMMUNICATION LINE

Network Relocations
1025 Eldorado Blvd
Broomfield, CO 80021
NationalRelo@centurylink.com

ROGERS TELECOM - COMMUNICATION LINE

Vickie Moran
4804 N 40th St
Sheboygan, WI 53083
(920) 395-7125
vmoran@gabes.com

SPRINT COMMUNICATIONS CO LP - COMMUNICATION LINE

Dan Hilliard
849 Earl St
Saint Paul, MN 55106
(612) 217-3526
dan.j.hilliard@sprint.com

WINDSTREAM KDL, LLC - COMMUNICATION LINE

Mary Fisher
13935 Bishops Dr
Brookfield, WI 53005
(262) 792-7938
Mary.B.Fisher@windstream.com

WINDSTREAM NTL, LLC - COMMUNICATION LINE

Mary Fisher
13935 Bishops Dr
Brookfield, WI 53005
(262) 792-7938
Mary.B.Fisher@windstream.com

UTILITY CONTACTS

AT&T LOCAL NETWORK - COMMUNICATION LINE

Dale DeFever
39869 Linn St
Canton, MI 48147
(586) 242-2671
dd2579@att.com

AT&T MOBILITY - COMMUNICATION LINE

Marc Brown
301 E Milwaukee St
Janesville, WI 53545
(608) 755-5535
mb2682@att.com

ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION

Trans 220 Mailbox
801 O'keefe Rd
De Pere, WI 54115-6113
(920) 338-6582
dl-ATCDOTNotifications@atcllc.com

CHARTER COMMUNICATIONS - COMMUNICATION LINE

Beau Abuya
1320 N Dr Martin Luther King Jr Dr
Milwaukee, WI 53212-4002
(414) 908-1343
wis.engineering@charter.com

TDS METROCOM LLC - COMMUNICATION LINE

Michael Sweet
525 Junction Rd
Madison, WI 53717
(608) 664-4539
Michael.Sweet@tdstelecom.com

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT - SEWER

Micki Klappa-Sullivan
260 W Seeboth St
Milwaukee, WI 53204
(414) 225-2178
MKlappaSullivan@mmsd.com

PAETEC COMMUNICATIONS, LLC - COMMUNICATION LINE

Mary Fisher
13935 Bishops Dr
Brookfield, WI 53005
(262) 792-7938
Mary.B.Fisher@windstream.com

VERIZON BUSINESS - COMMUNICATION LINE

OSP National Support/Investigations
2400 North Glenville
Richardson, TX 75082
Investigations@verizon.com

WE ENERGIES - ELECTRIC

WE Energies Utility Coordinator
500 S 116th Street
West Allis, WI 53214
(414) 221-2738
We-Utility-Relocations@we-energies.com

WE ENERGIES - GAS/PETROLEUM

WE Energies Utility Coordinator
500 S 116th Street
West Allis, WI 53214
(414) 221-2738
We-Utility-Relocations@we-energies.com

DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

I noticed mention of SEWRPC contact on GENERAL NOTES. Please see Rob Merry contact info attached.



OTHER CONTACTS

CITY OF OAK CREEK

Matthew Sullivan
8640 S Howell Avenue
Oak Creek, WI 53154
(414) 768-6534
msullivan@oakcreekwi.org

OAK CREEK WATER AND SEWER UTILITY

Bryan Johnston
170 West Drexel Ave
Oak Creek, WI 53154
(414) 570-8200 Ext. 24
bjohnston@water.oak-creek.wi.us

MILWAUKEE COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT)

Transportation Services Division
Andrea Weddle-Henning
10320 W. Watertown Plank Rd.
Wauwatosa, WI 53226
(414) 257-5934
andrea.weddle-henning@milwaukeecountywi.gov

MILWAUKEE COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT)

Highway Maintenance Division
Eduardo Santiago
10320 W. Watertown Plank Rd.
Wauwatosa, WI 53226
(414) 257-6569
eduardo.santiago@milwaukeecountywi.gov

MILWAUKEE COUNTY PARKS

Sarah Toomsen
9480 Watertown Plank Rd
Wauwatosa, WI 53226
(414) 257-7389
sarah.toomsen@milwaukeecountywi.gov

MILWAUKEE COUNTY PARKS

Blake Prusak
9480 Watertown Plank Rd
Wauwatosa, WI 53226
(414) 258-2322
blake.prusak@milwaukeecountywi.gov

UNION PACIFIC RAILROAD

Chris T. Keckeisen
1400 Douglas, Ms 0910
Omaha, Ne 68179
(402) 544-5131
Ctkecke@Up.Com

WISDNR

Kristina Betzold
2300 N. Dr. Martin Luther King Jr. Dr.
Milwaukee, Wi 53212
(414) 507-4946
Kristina.Betzold@wisconsin.gov

WISDOT STREET LIGHTING

Eric Perea
141 NW Barstow Street
Waukesha, WI 53087-0798
(262) 574-5422
Eric.Perea@dot.wi.gov

WISDOT SIGNALS

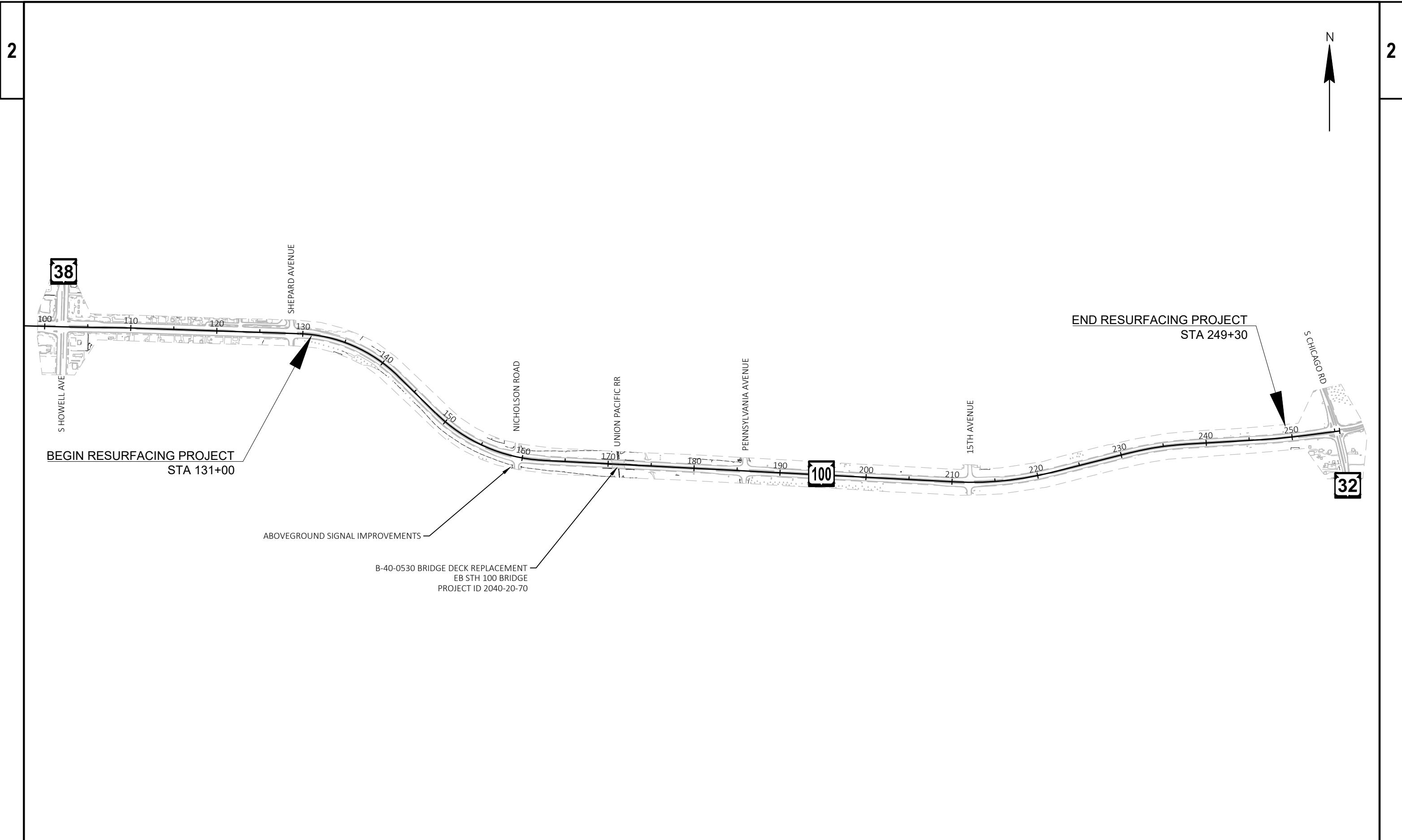
Parwinder Virk
141 NW Barstow Street
Waukesha, WI 53188
(414) 852-0829
parwinder.virk@dot.wi.gov

WISDOT ATR PULL BOXES - ELECTRICAL

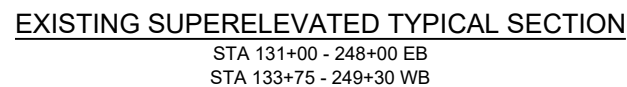
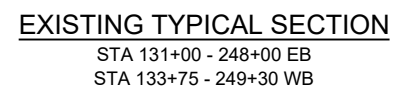
Chad Bigler
Travel Survey Shop, 3633 Pierstoff St
PO Box 2583
Madison, WI 53704-2583
(608) 535-7413
chad.bigler@dot.wi.gov

WISDOT PROJECT MANAGER

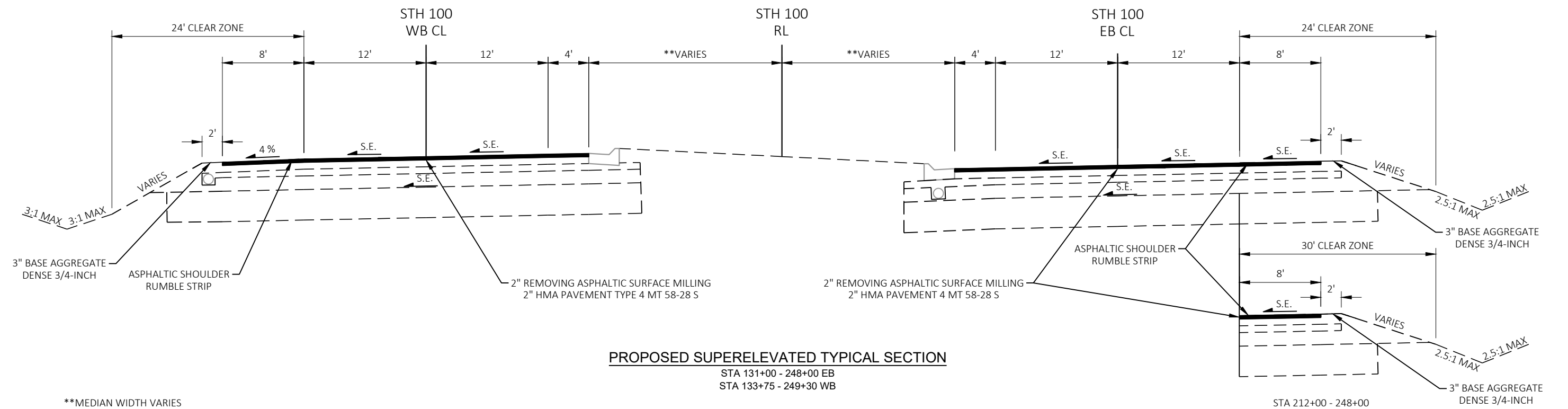
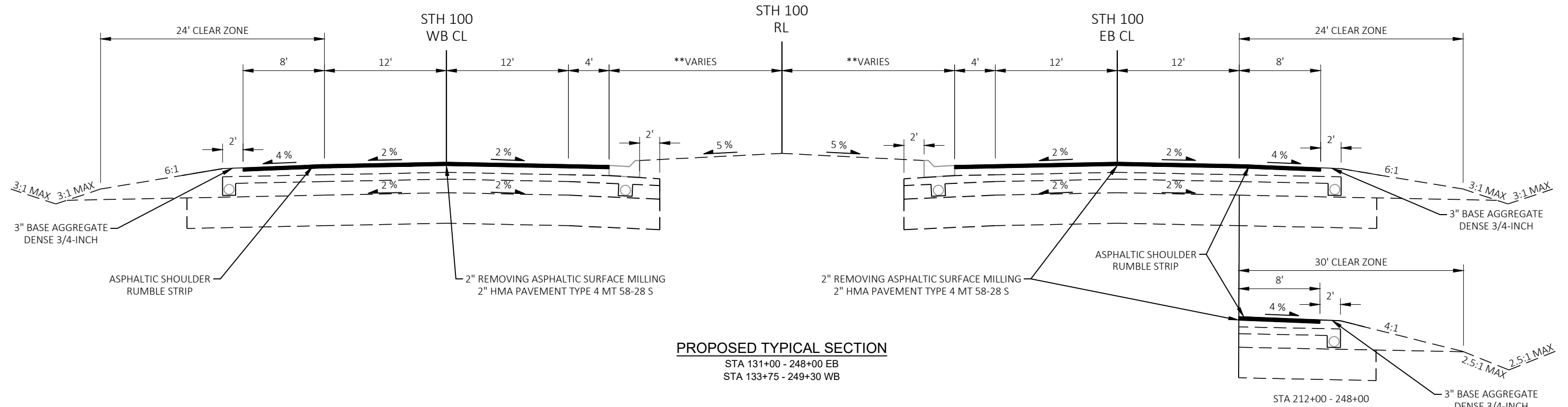
Robert Bellin
141 NW Barstow Street, PO Box 798
Waukesha, WI 53188
(262) 521-4405
robert.bellin@dot.wi.gov



PROJECT NO: 2040-03-75	HWY: STH 100	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET	E
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FILE NAME :	N:\PDS\C3D\20400305\SHEETSP\PLAN\020301-TS.DWG	PLOT DATE :	3/17/2021 10:29 AM	PLOT BY :	SMITH, CLAYTON L	PLOT NAME :		PLOT SCALE :	1 IN=10 FT	
LAYOUT NAME :	020301-ts 1in=10ft									WISDOT/CADD SHEET 42

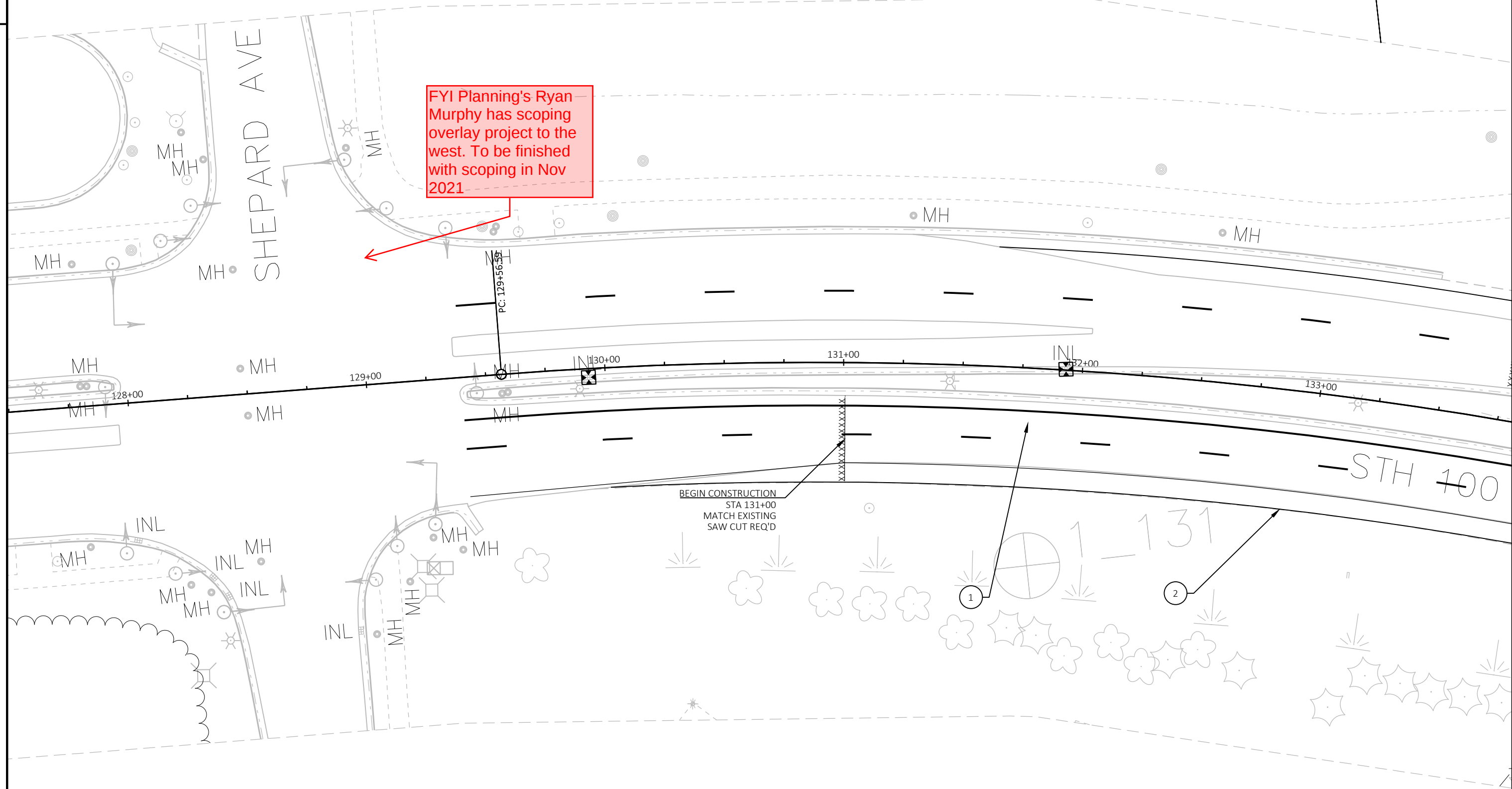


**MEDIAN WIDTH VARIES
STA 128+50 - 131+50: MEDIAN WIDTH VARIES 13'-14'
STA 131+50 - 254+50: MEDIAN WIDTH 14'

- 1 2" HMA MILL AND OVERLAY
- 2 B.A.D. $\frac{3}{4}$ "

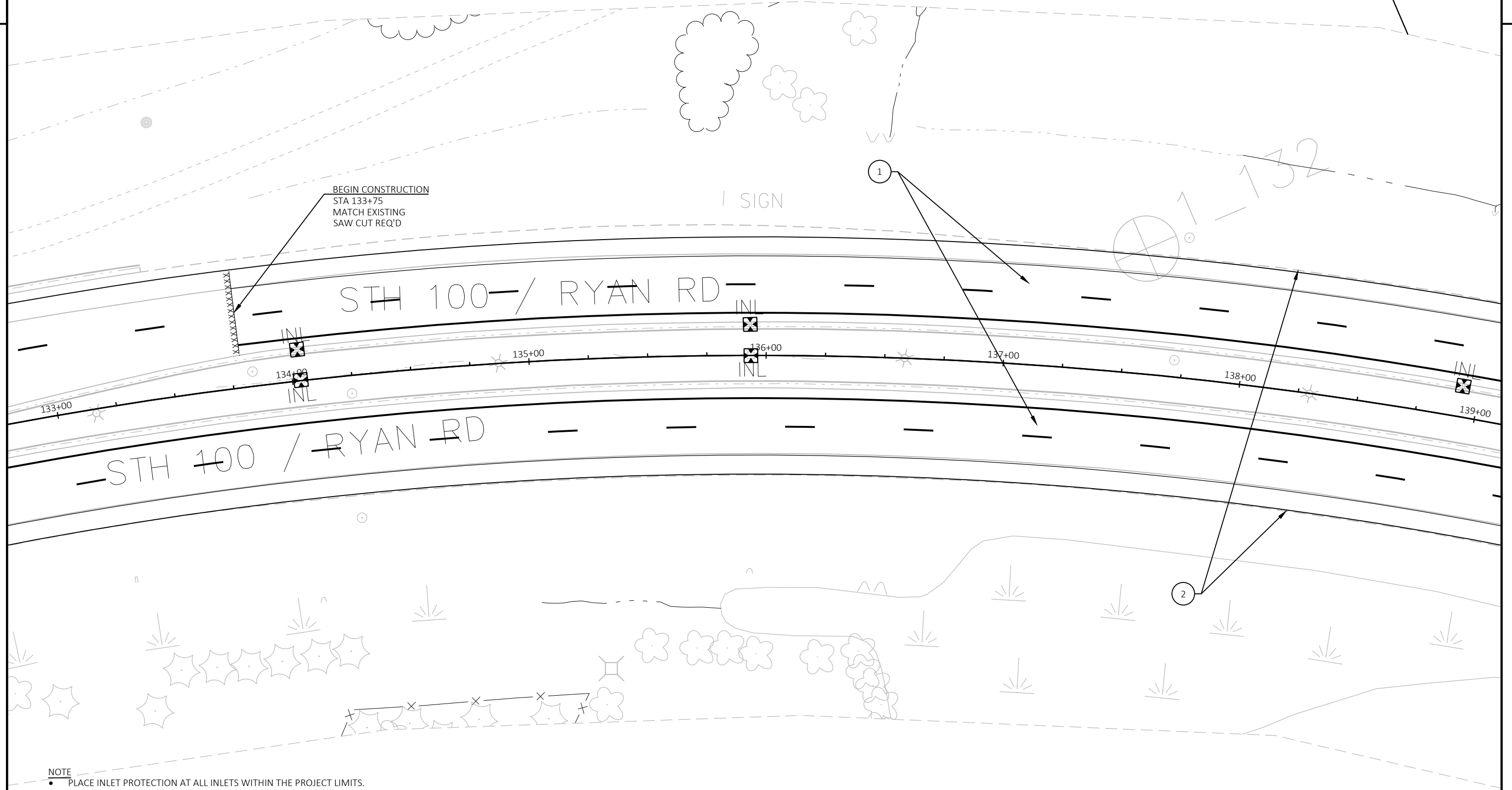
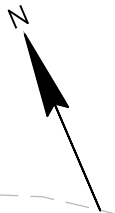


FYI Planning's Ryan Murphy has scoping overlay project to the west. To be finished with scoping in Nov 2021



NOTE
• PLACE INLET PROTECTION AT ALL INLETS WITHIN THE PROJECT LIMITS.
TYPE C TYPICAL. TYPE D AT LOW POINTS. TYPE A AT FIELD INLETS.

- 1 2" HMA MILL AND OVERLAY
2 B.A.D. $\frac{3}{4}$ "



PROJECT NO: 2040-03-75

HWY: STH 100

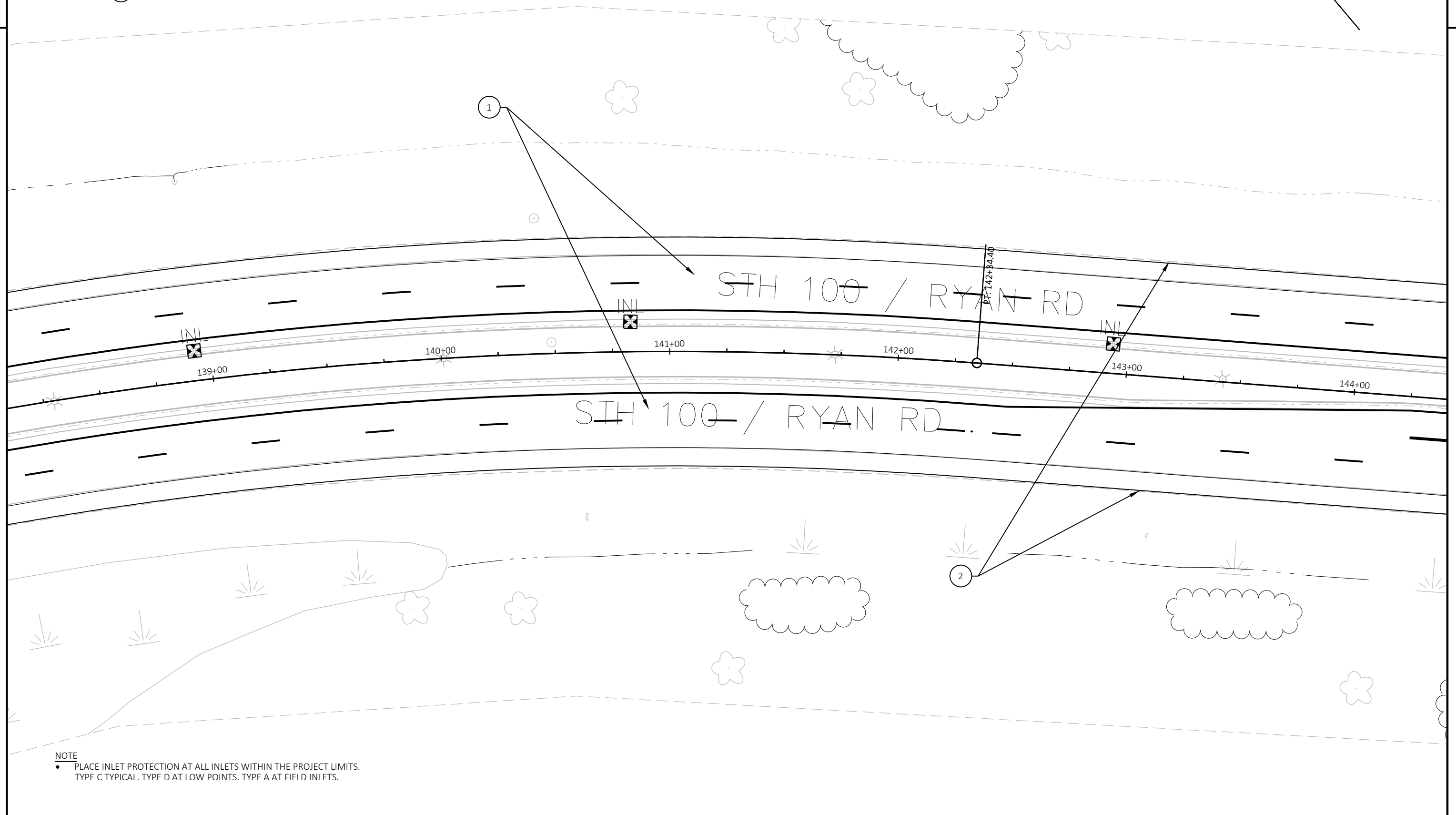
COUNTY: MILWAUKEE

PLAN DETAILS AND EROSION CONTROL

SHEET

E

- 1 2" HMA MILL AND OVERLAY
2 B.A.D. $\frac{3}{4}$ "



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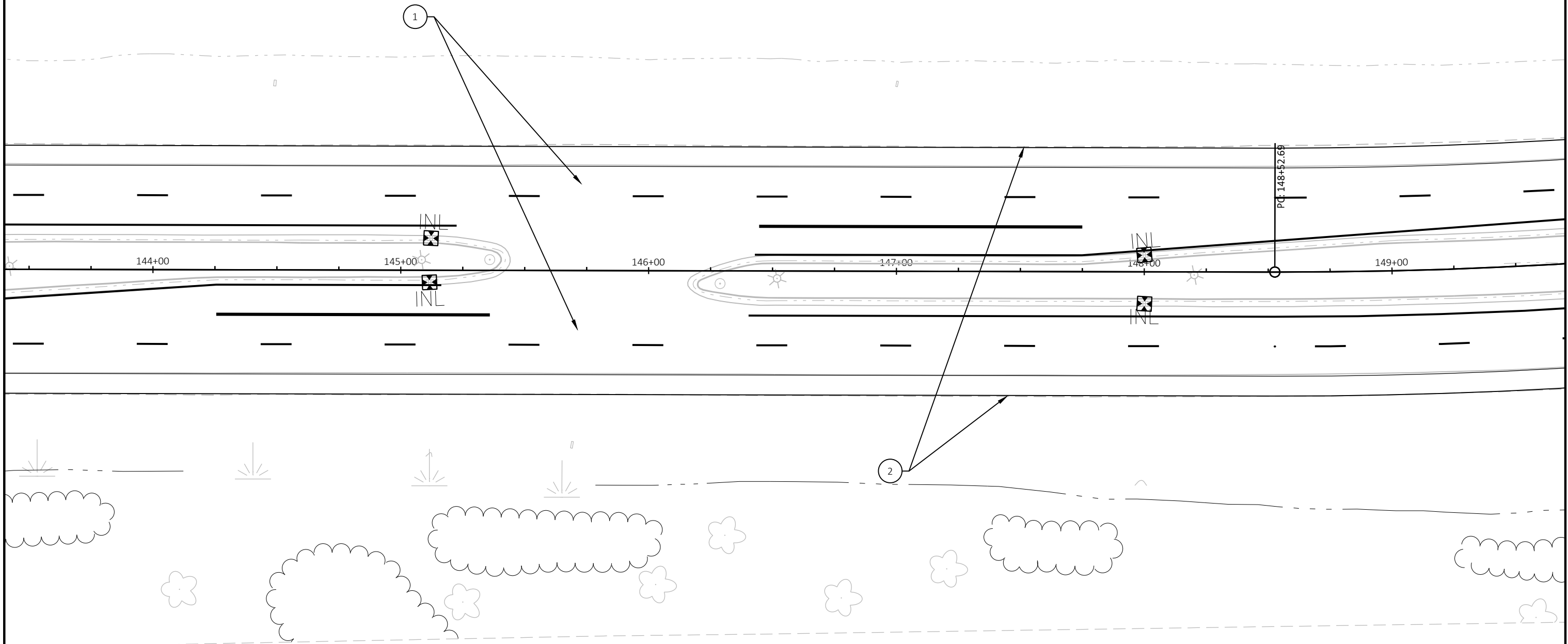
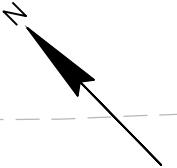
COUNTY: MILWAUKEE

PLAN DETAILS AND EROSION CONTROL

SHEET

E

- 1 2" HMA MILL AND OVERLAY
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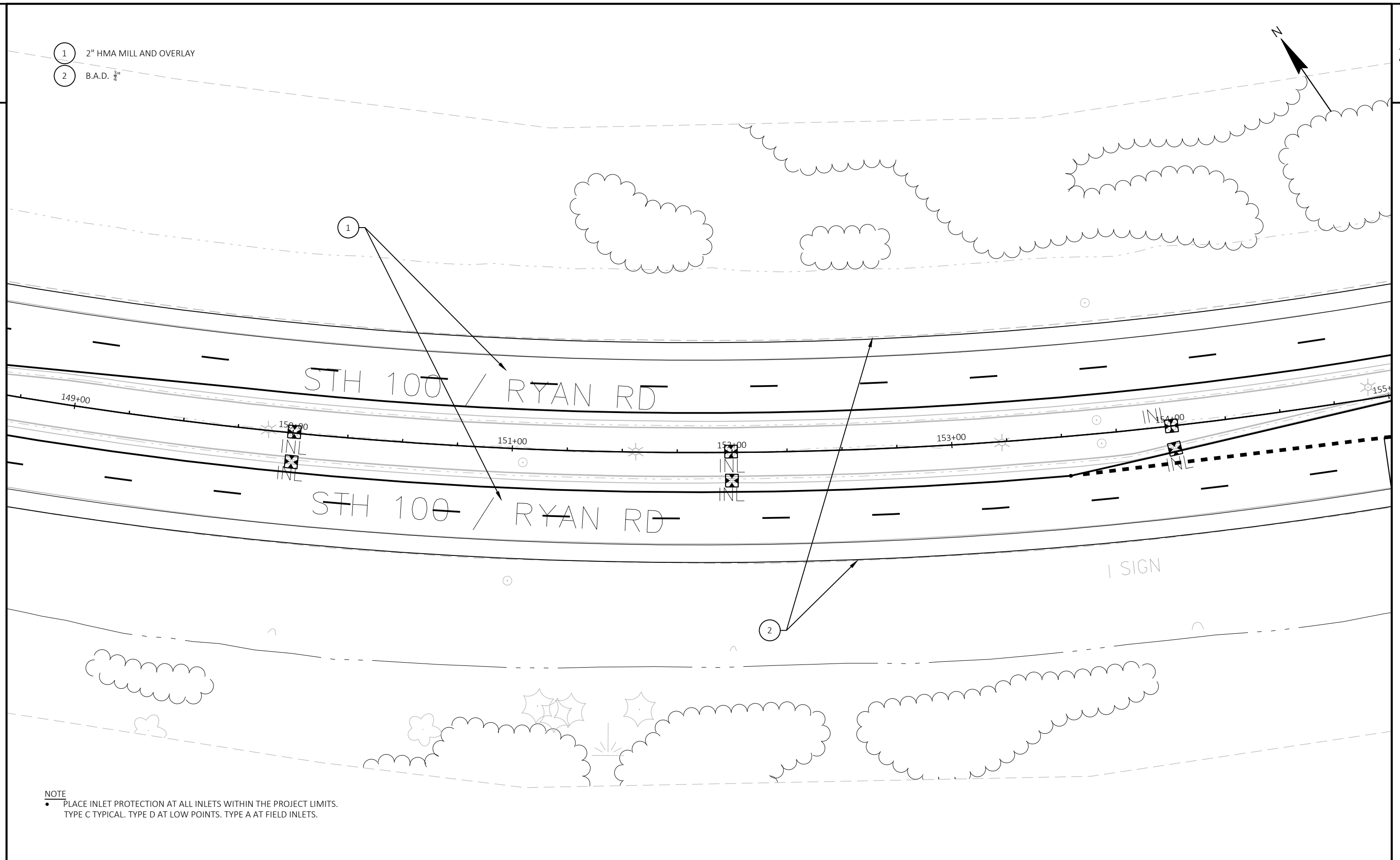
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2

- 1 2" HMA MILL AND OVERLAY
- 2 B.A.D. $\frac{3}{4}$ "

2



NOTE

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PROJECT NO:	2040-03-75
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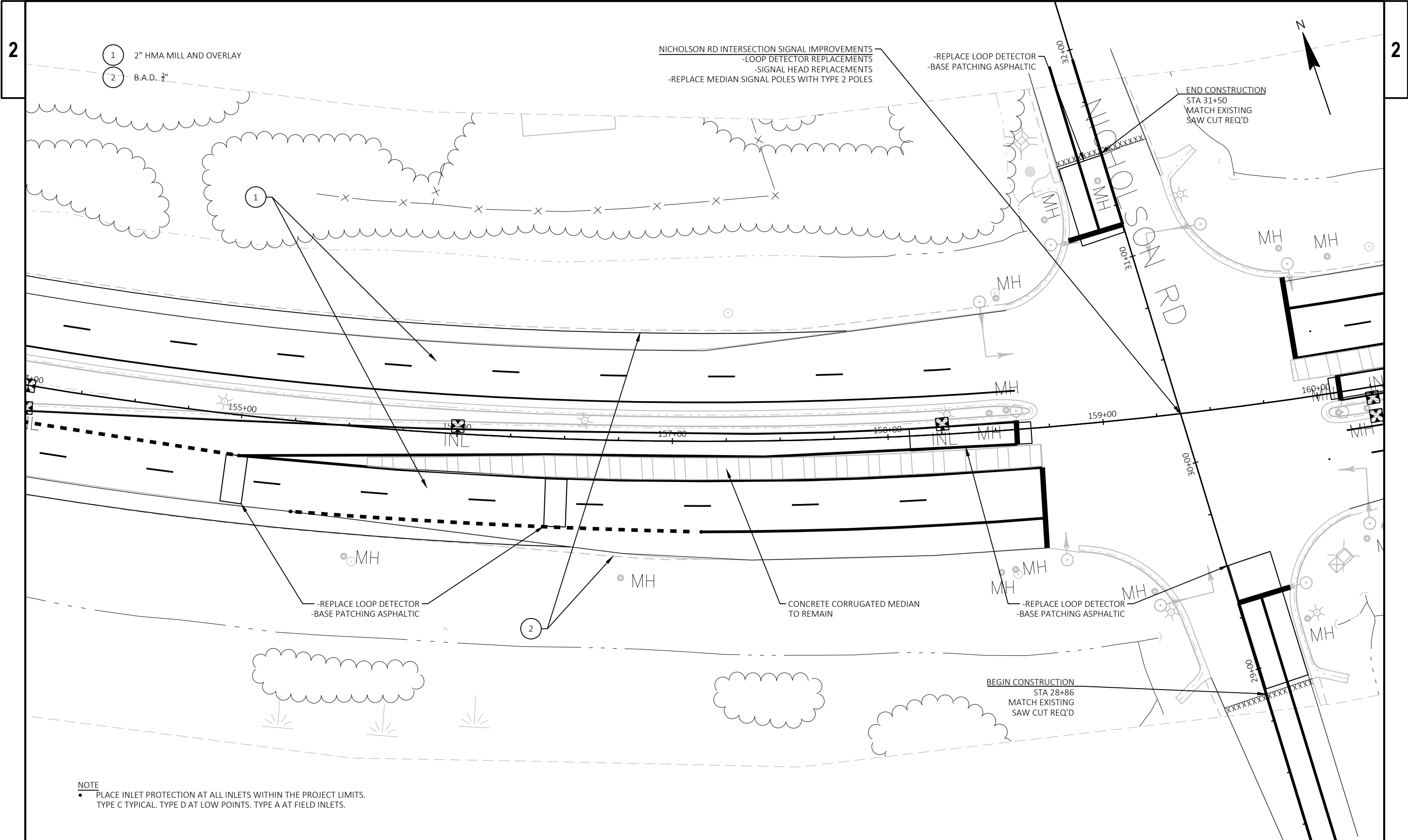
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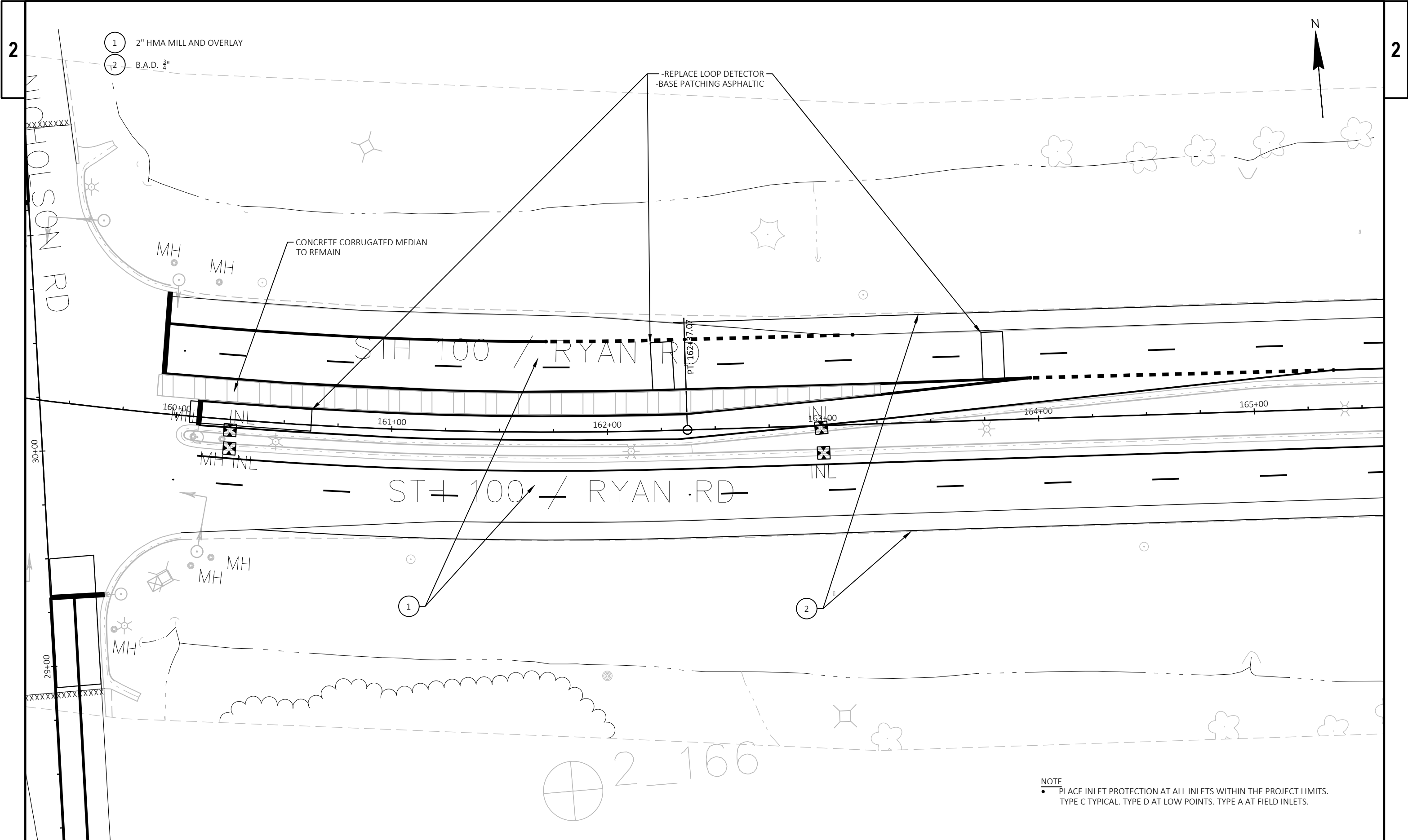
COUNTY: MILWAUKEE

PLAN DETAILS AND EROSION CONTROL

SHEET

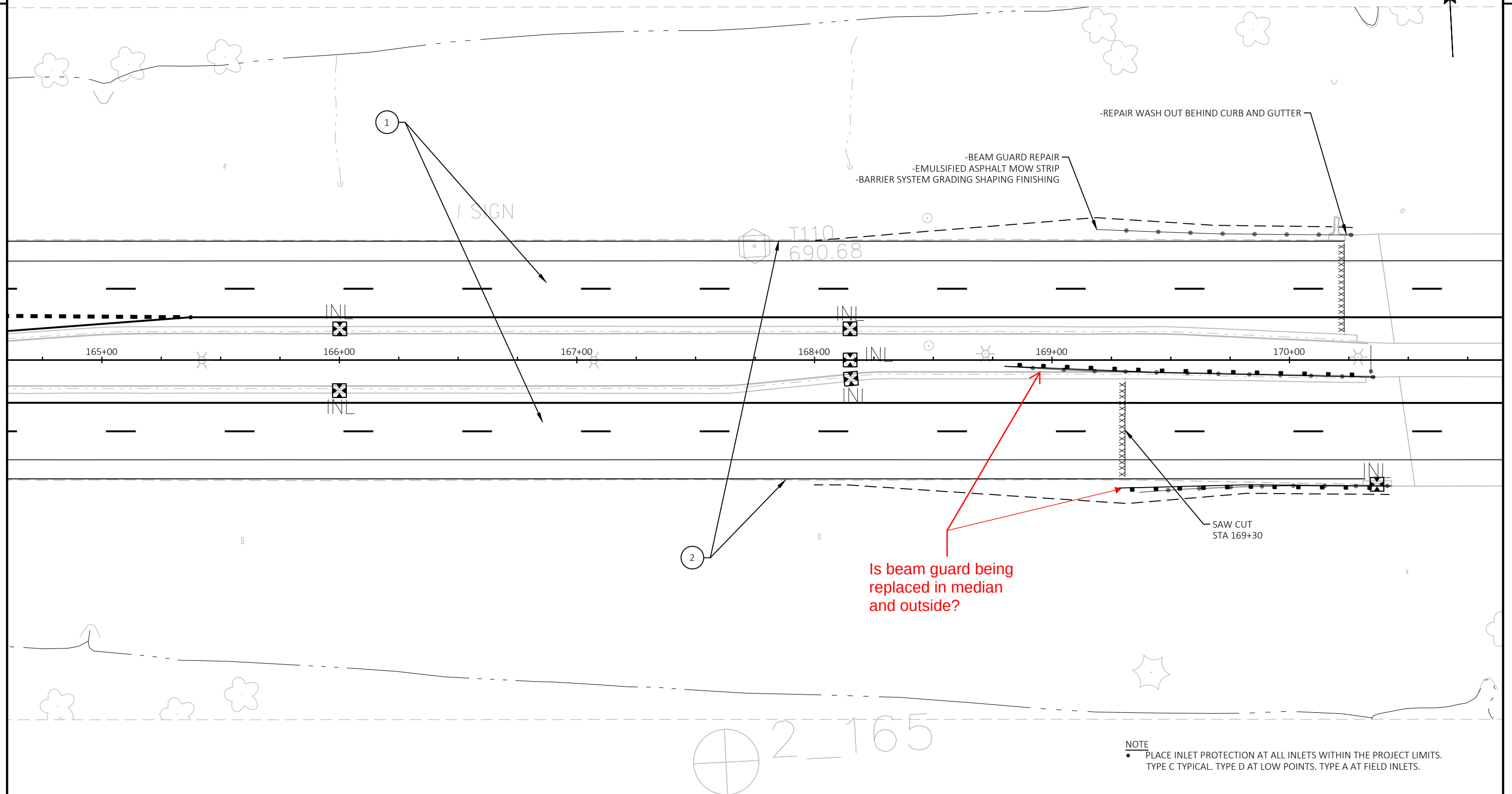
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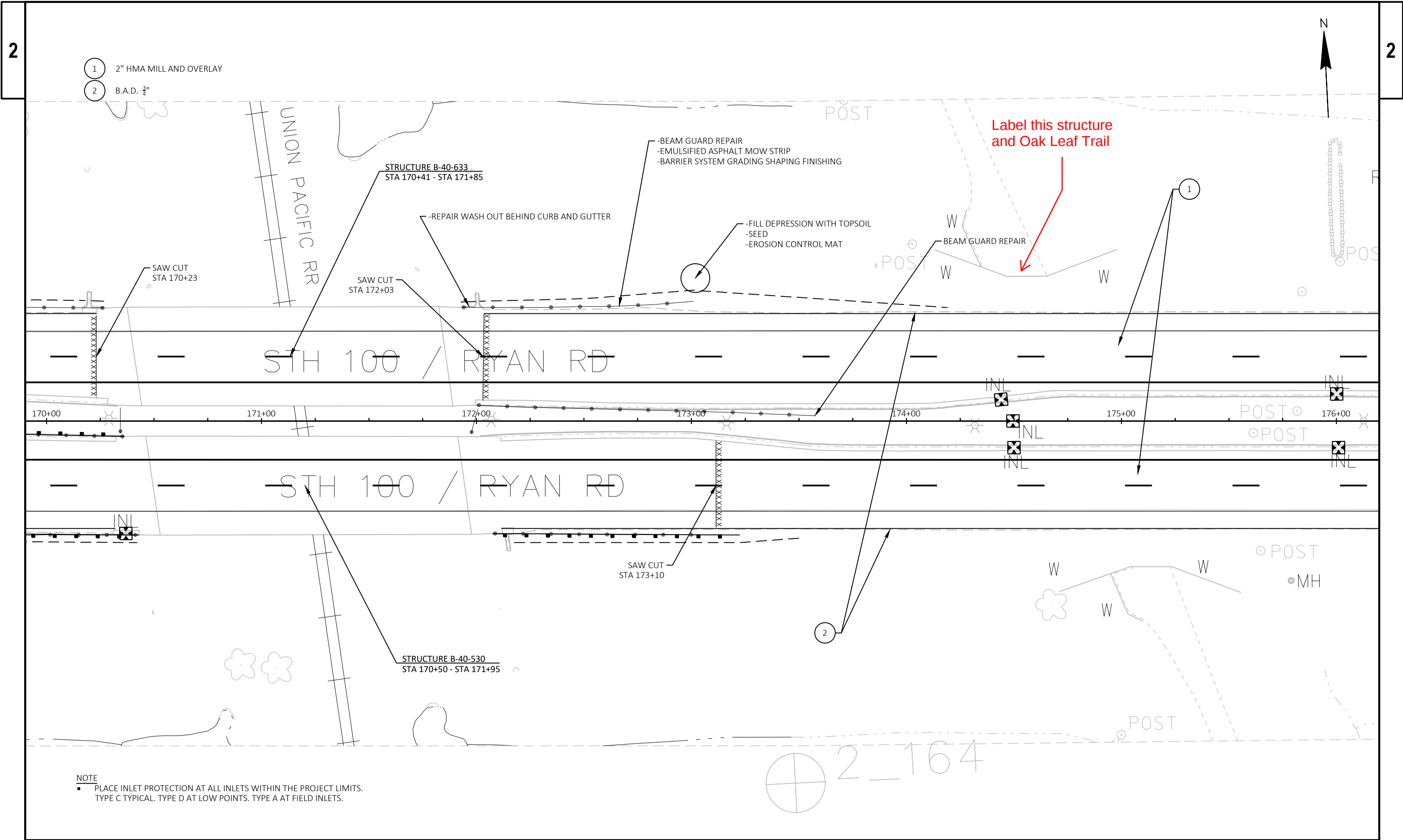
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- 2 B.A.D. $\frac{3}{4}$ "

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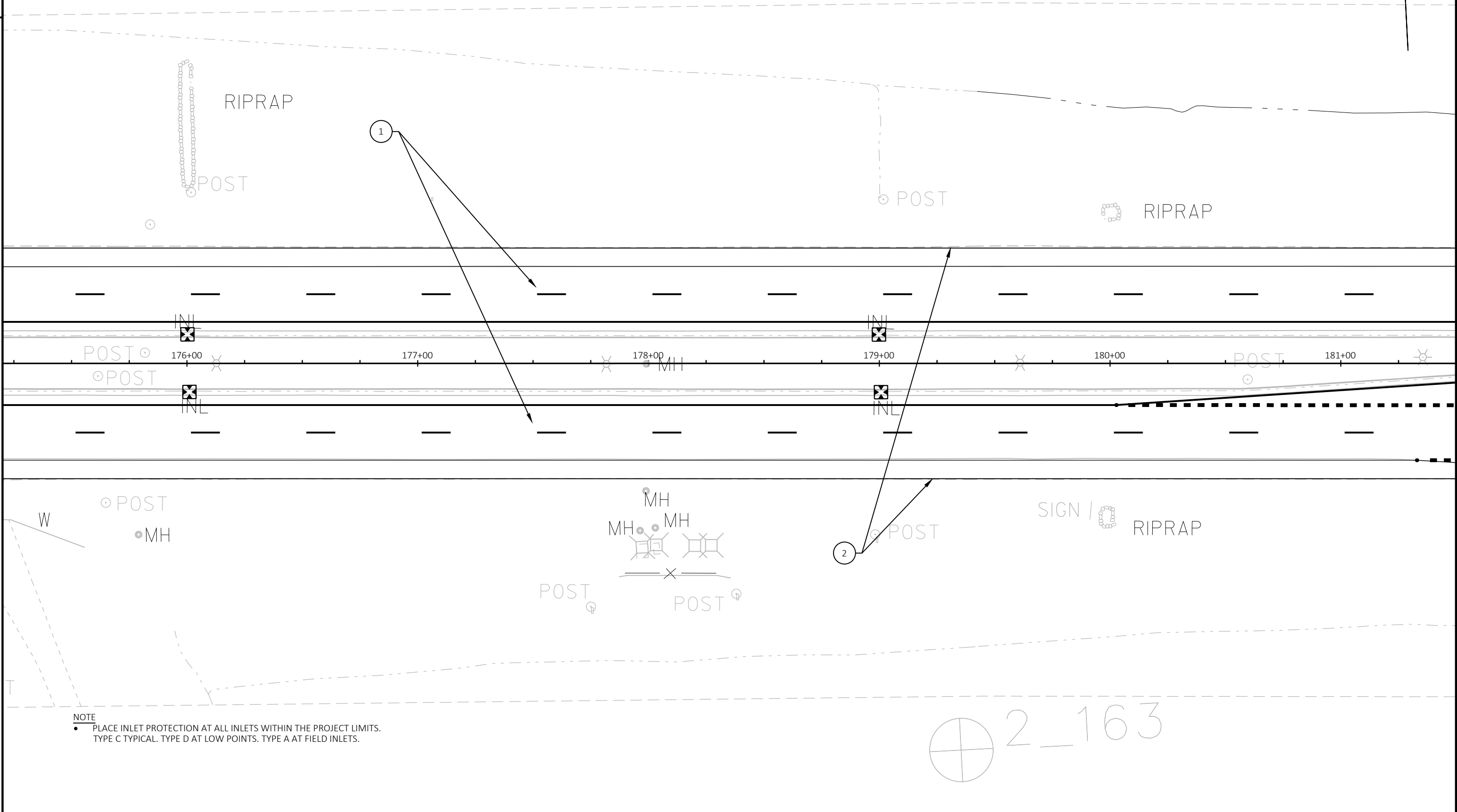
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WISDOT/CADDS SHEET 42

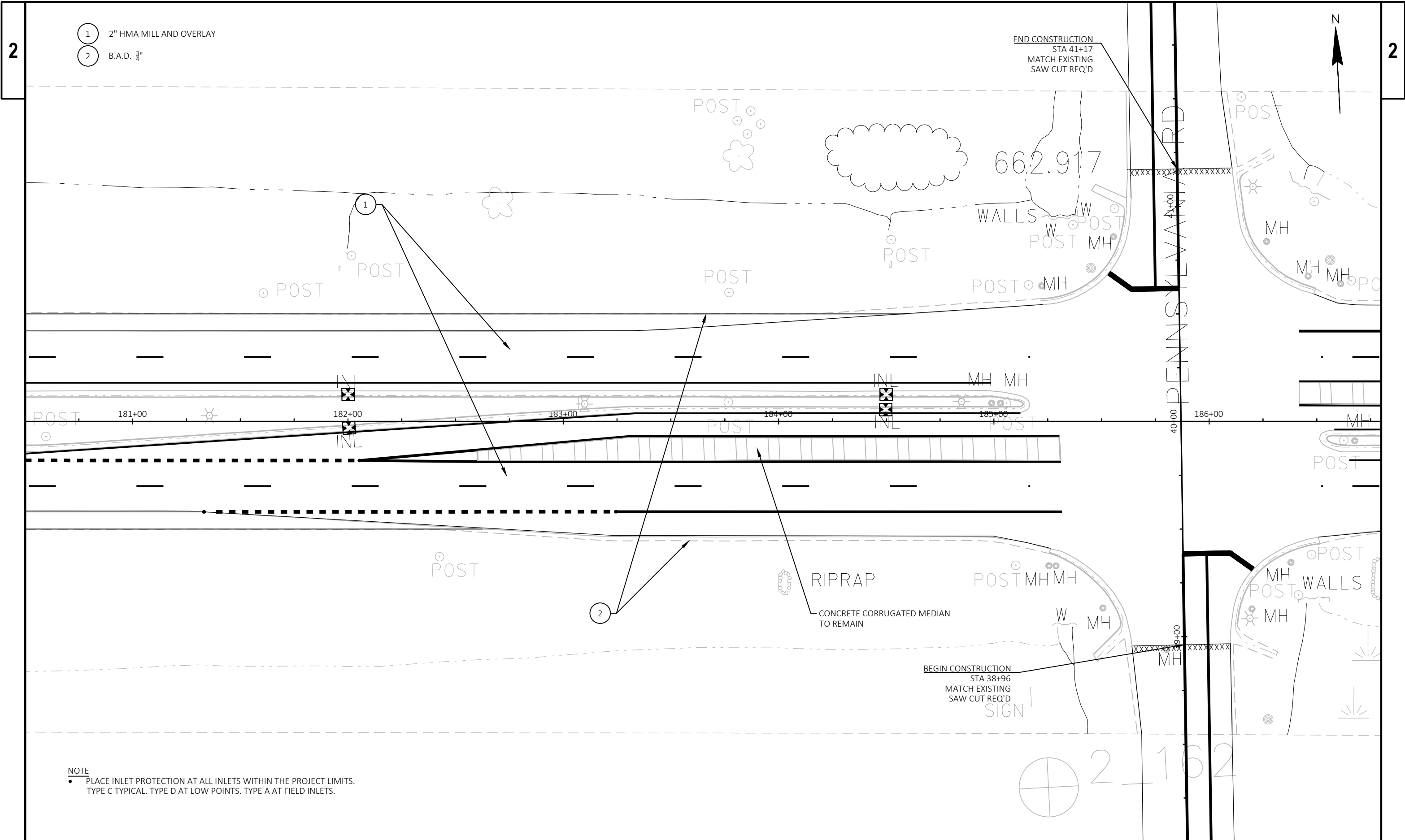


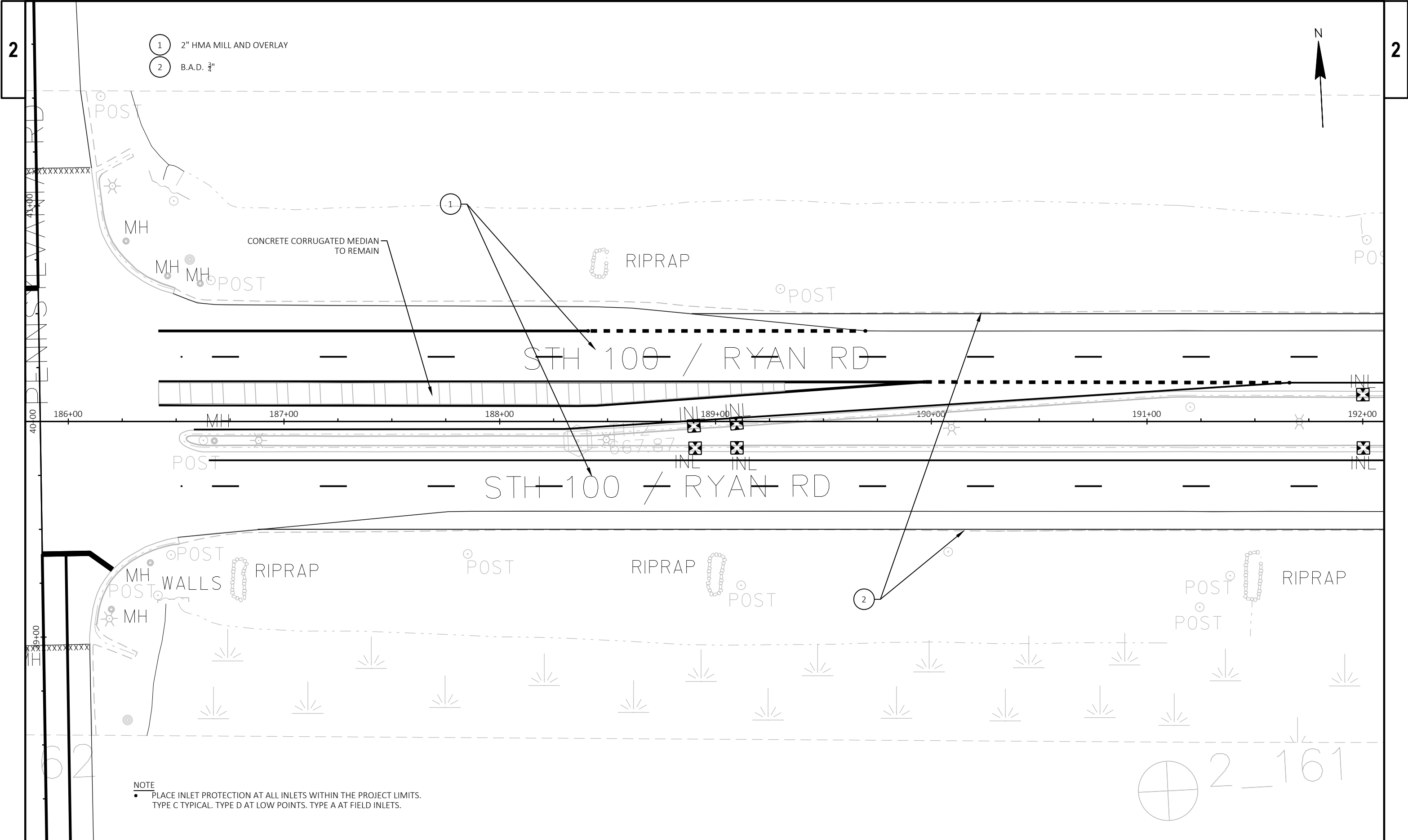
PROJECT NO: 2040-03-75	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS AND EROSION CONTROL	SHEET	E
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- 1 2" HMA MILL AND OVERLAY
- 2 B.A.D. 3/4"

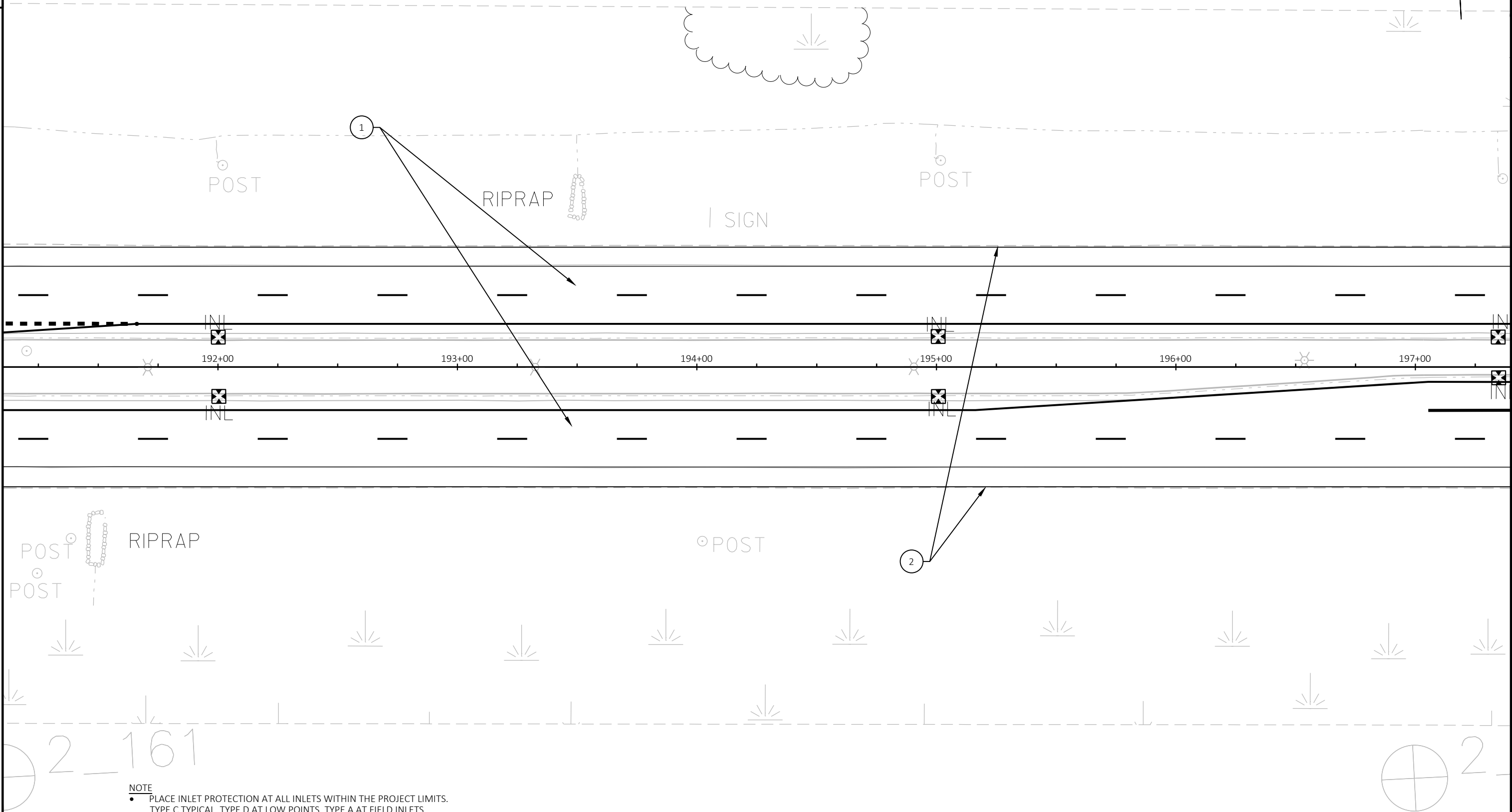


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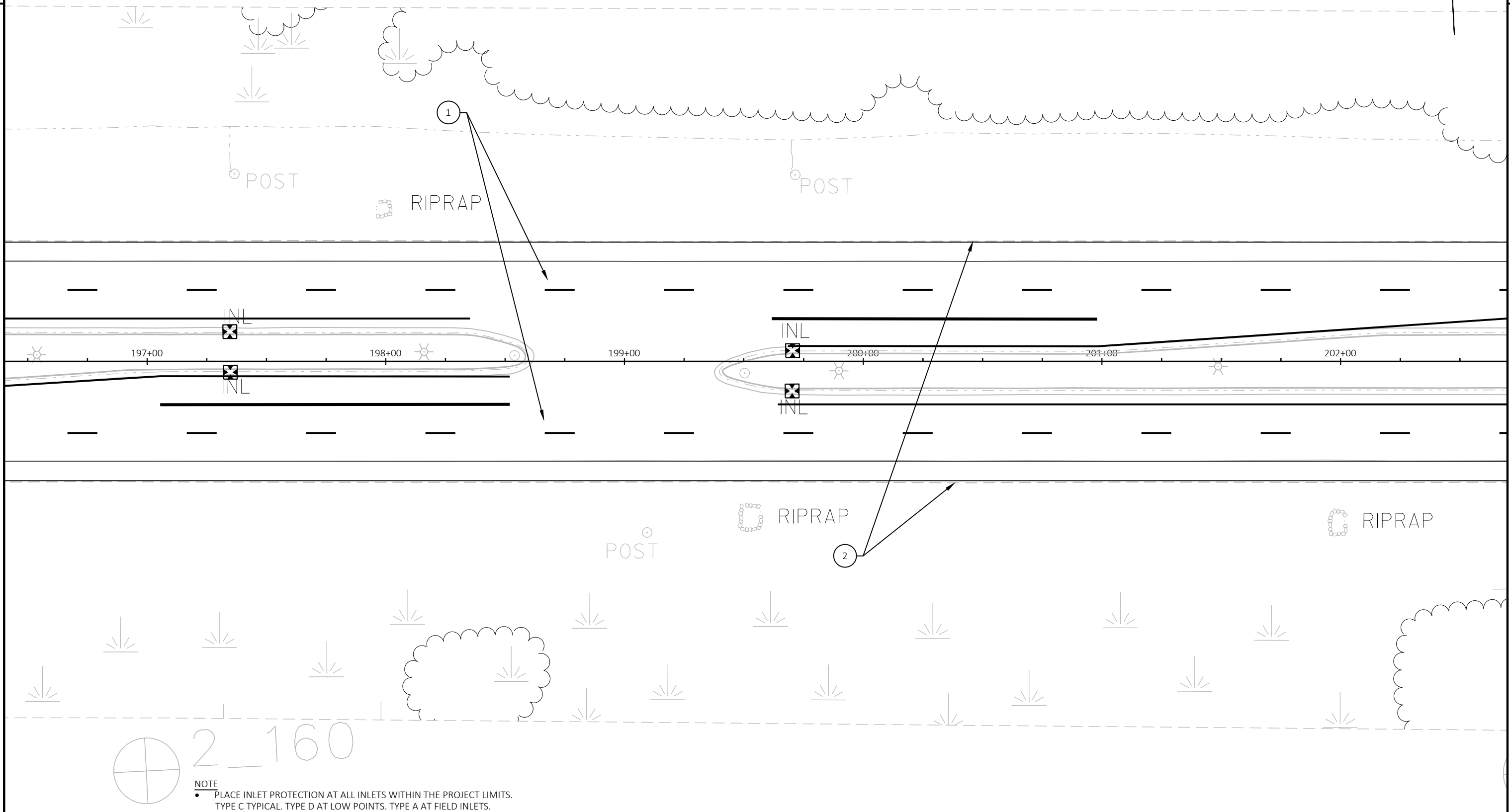




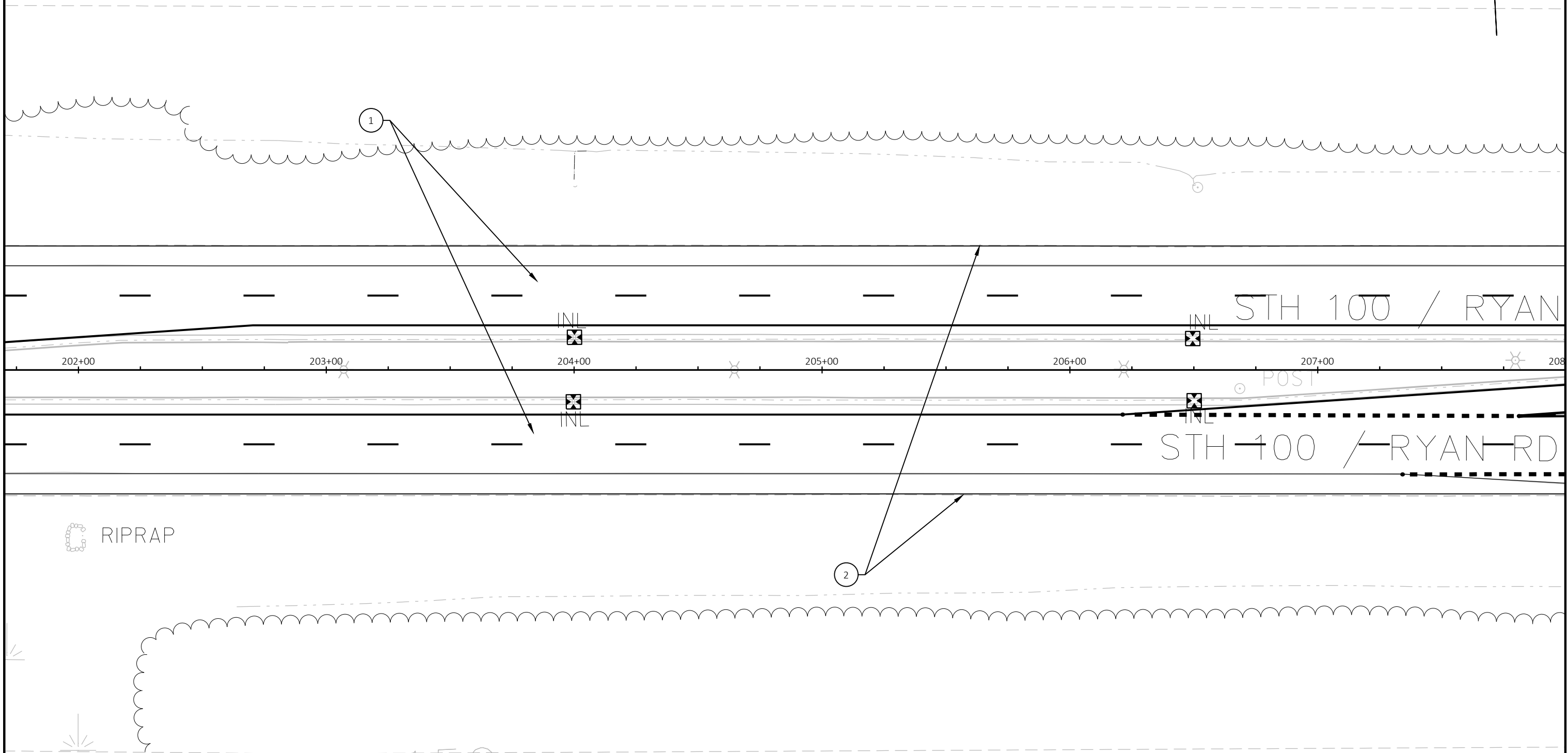
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- 2 B.A.D. $\frac{3}{4}$ "



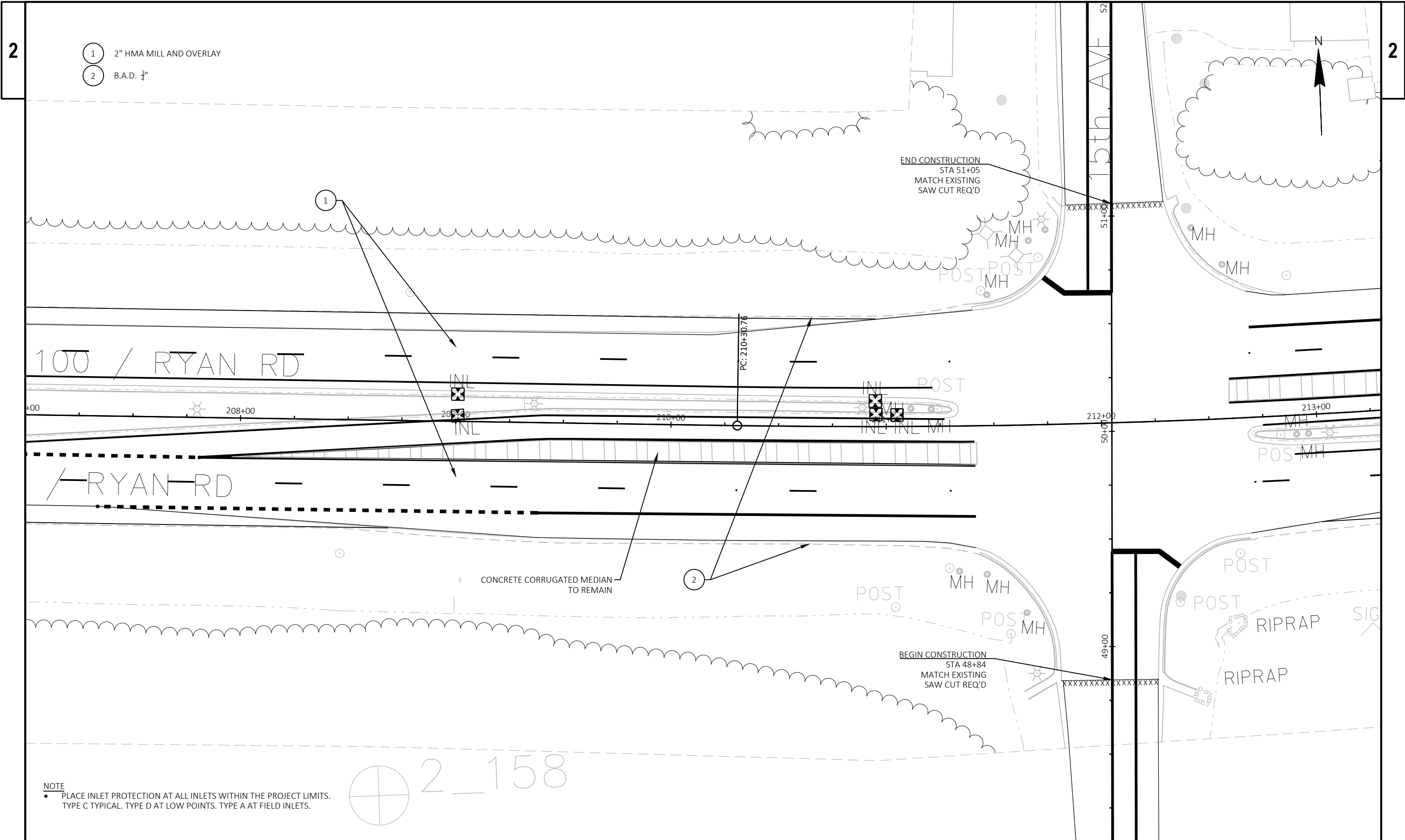
- 1 2" HMA MILL AND OVERLAY
- 2 B.A.D. $\frac{3}{4}$ "

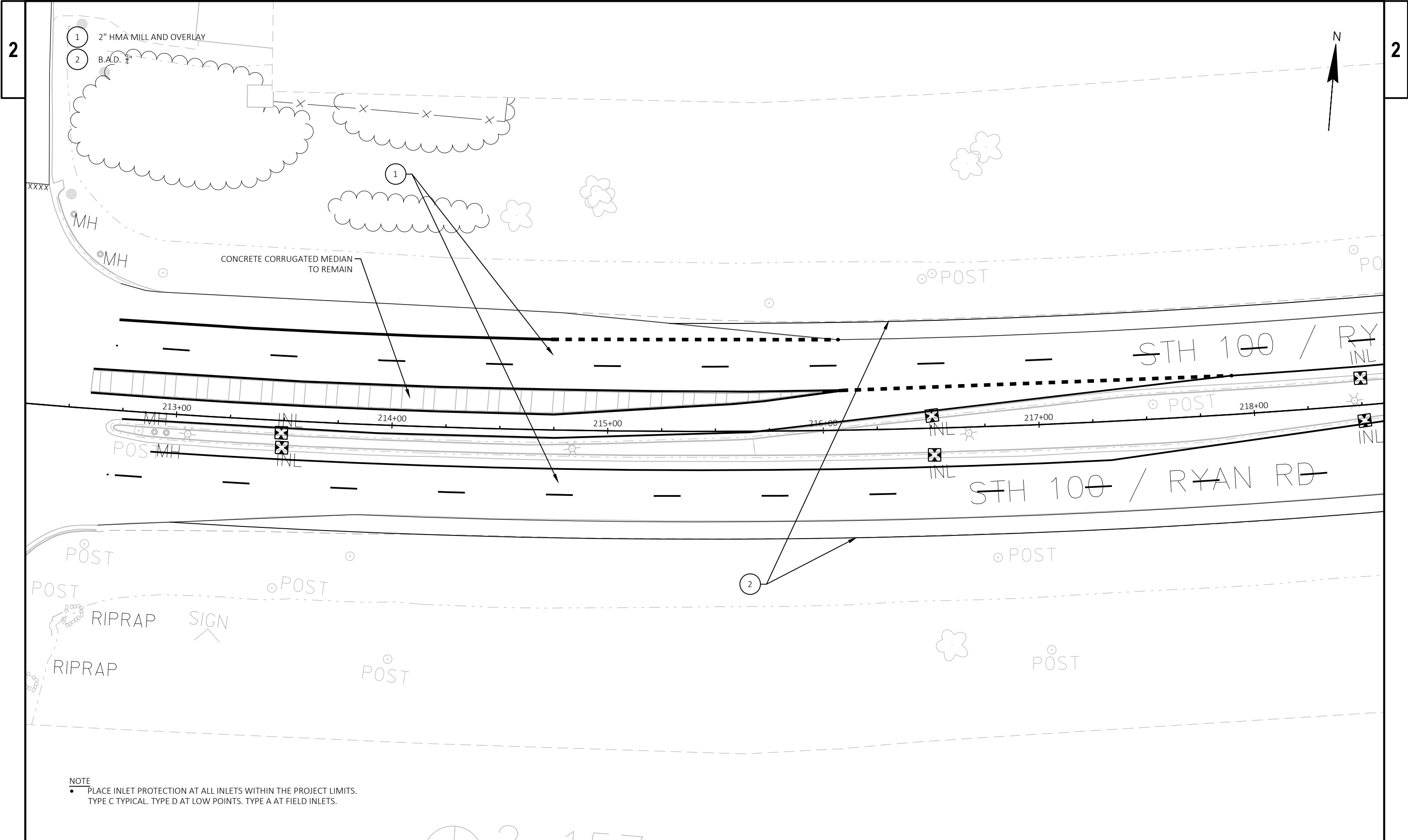


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- 2 B.A.D. $\frac{3}{4}$ "



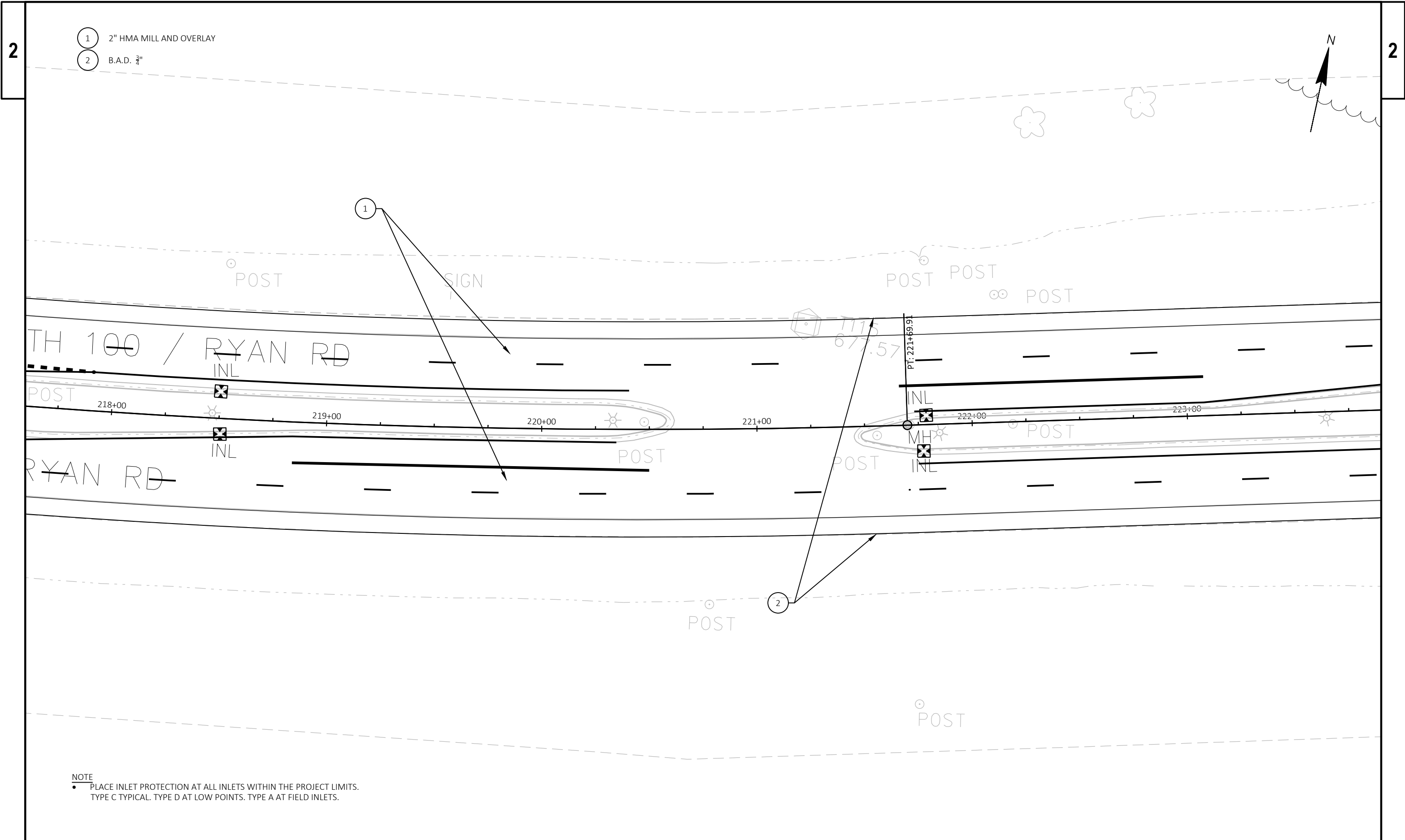
NOTE
• PLACE INLET PROTECTION AT ALL INLETS WITHIN THE PROJECT LIMITS.
TYPE C TYPICAL. TYPE D AT LOW POINTS. TYPE A AT FIELD INLETS.

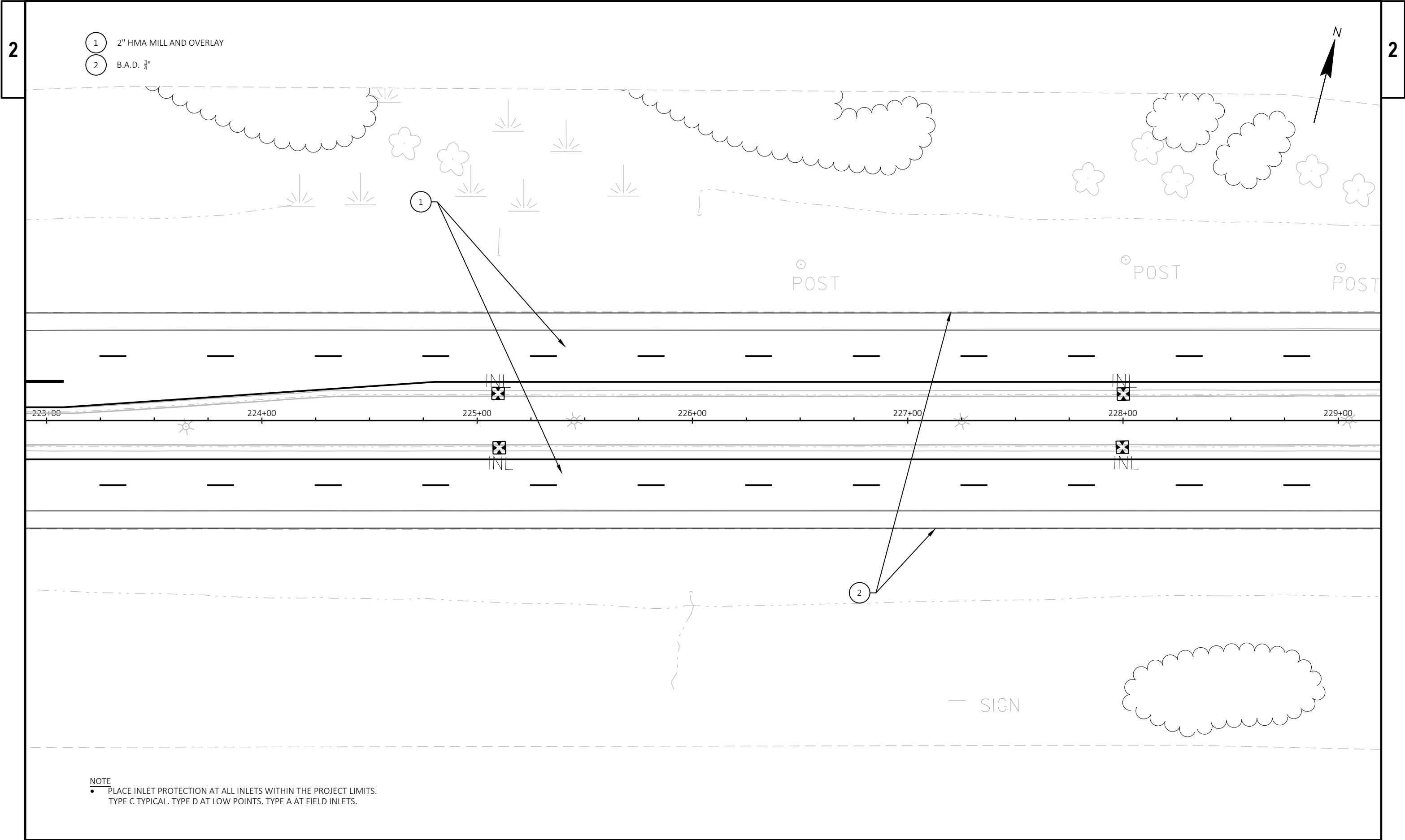




NOTE
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TYPE C TYPICAL. TYPE D AT LOW POINTS. TYPE A AT FIELD INLETS.

2 157





2

2

- 1 2" HMA MILL AND OVERLAY
- 2 B.A.D. $\frac{3}{4}"$

N

POST

POST

POST

INL

INL

INL

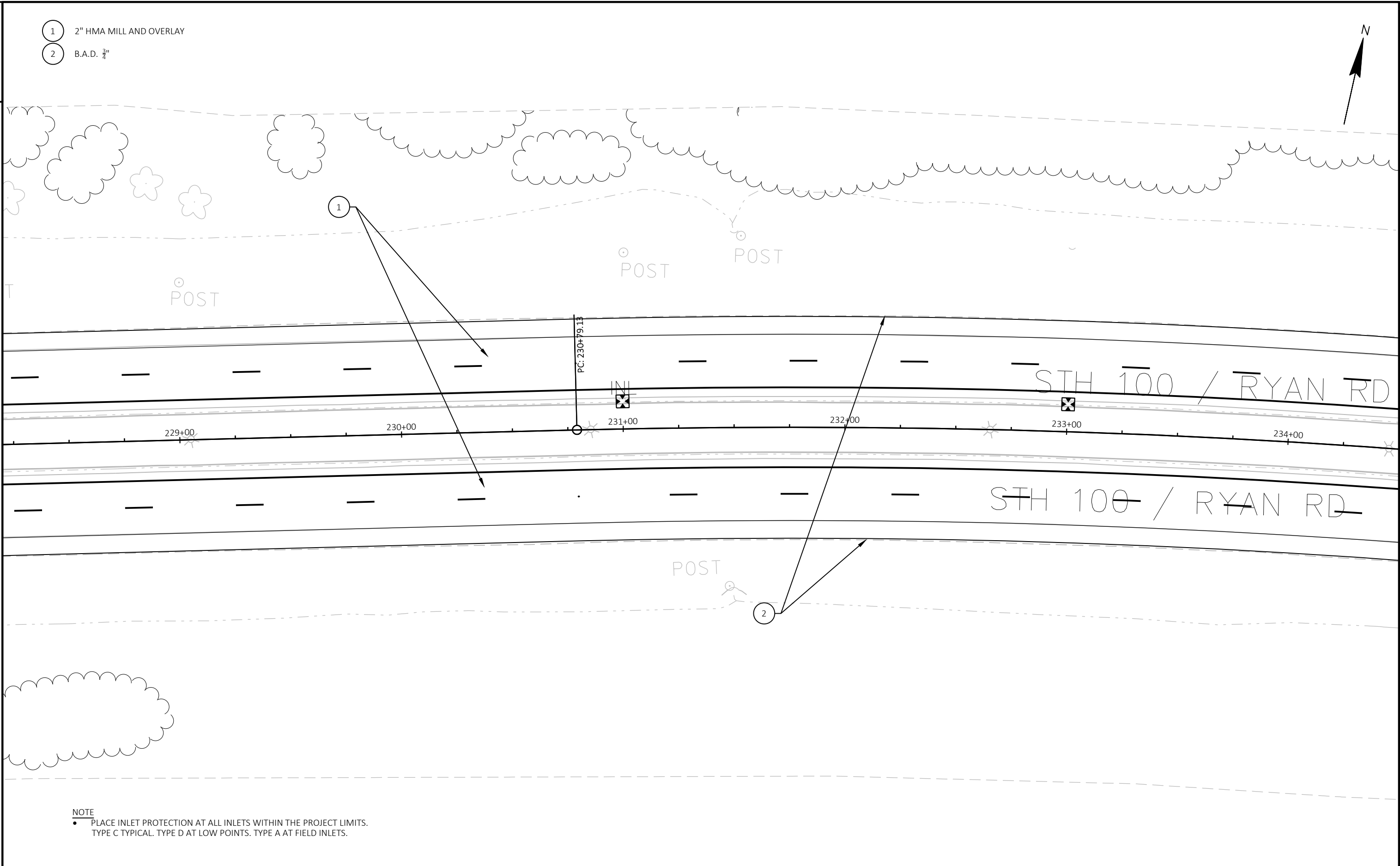
INL

223+00 224+00 225+00 226+00 227+00 228+00 229+00

SIGN

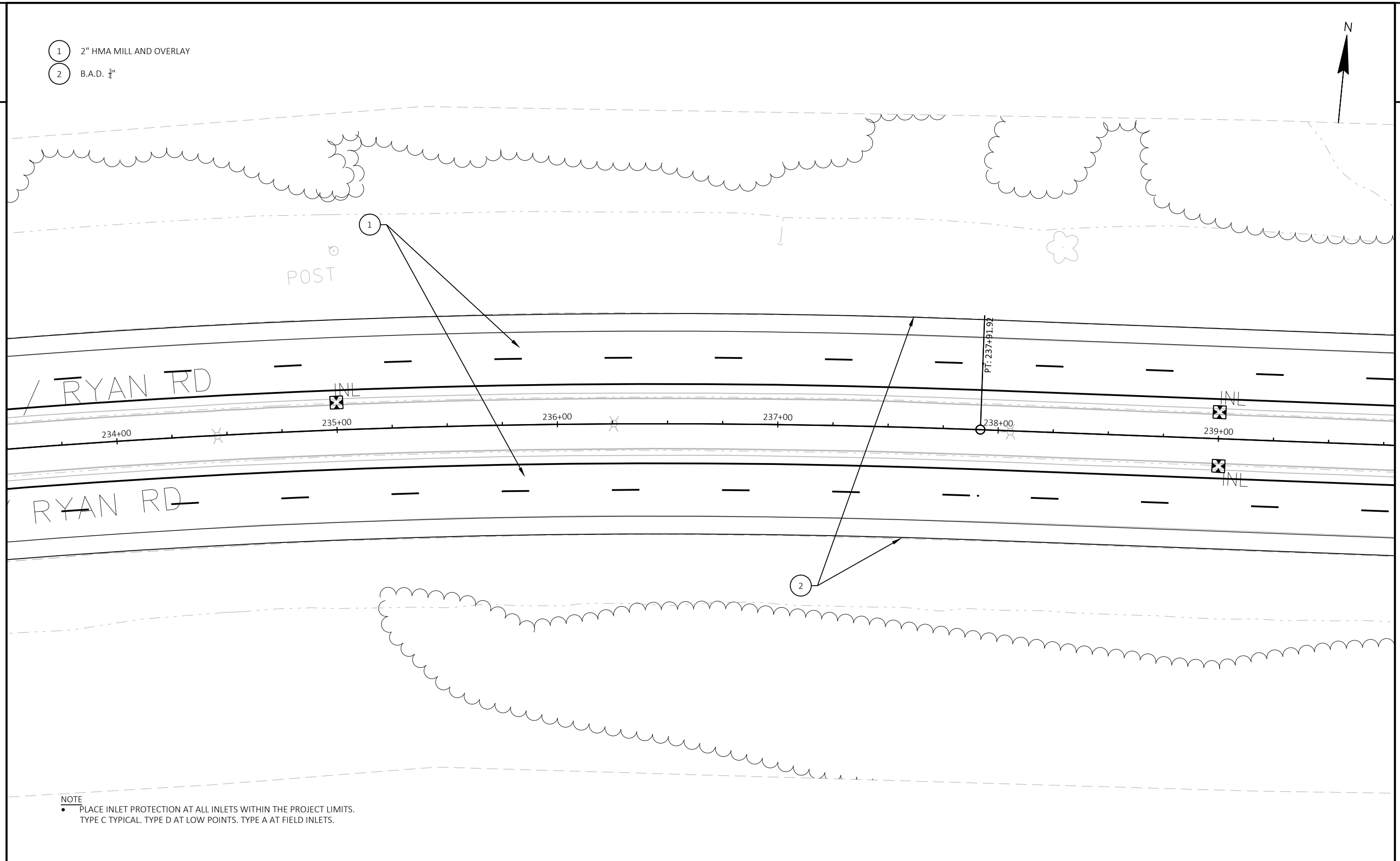
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- 1 2" HMA MILL AND OVERLAY
- 2 B.A.D. $\frac{3}{4}"$

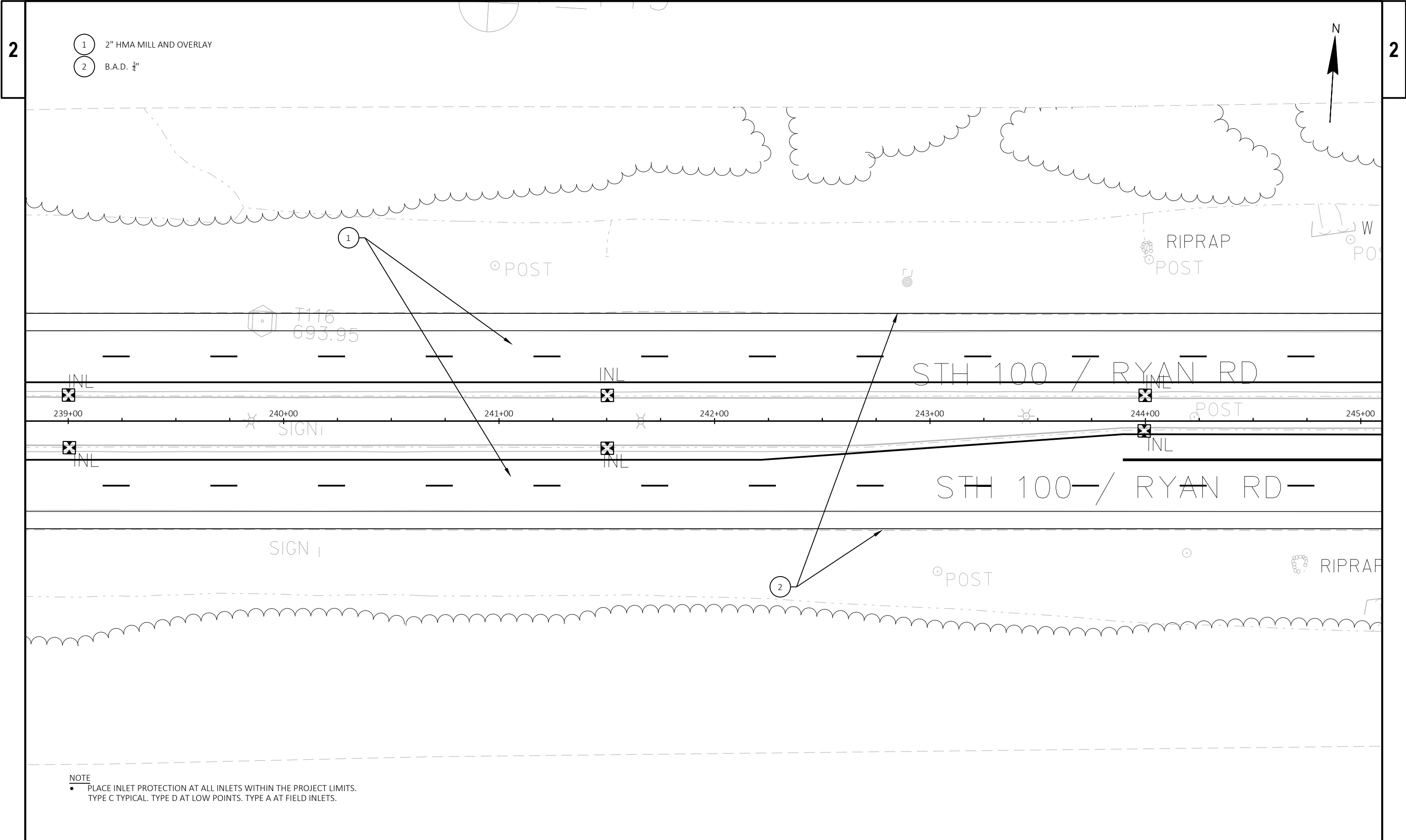


PROJECT NO: 2040-03-75	HWY: STH 100	COUNTY: MILWAUKEE	PLAN DETAILS AND EROSION CONTROL	SHEET	E
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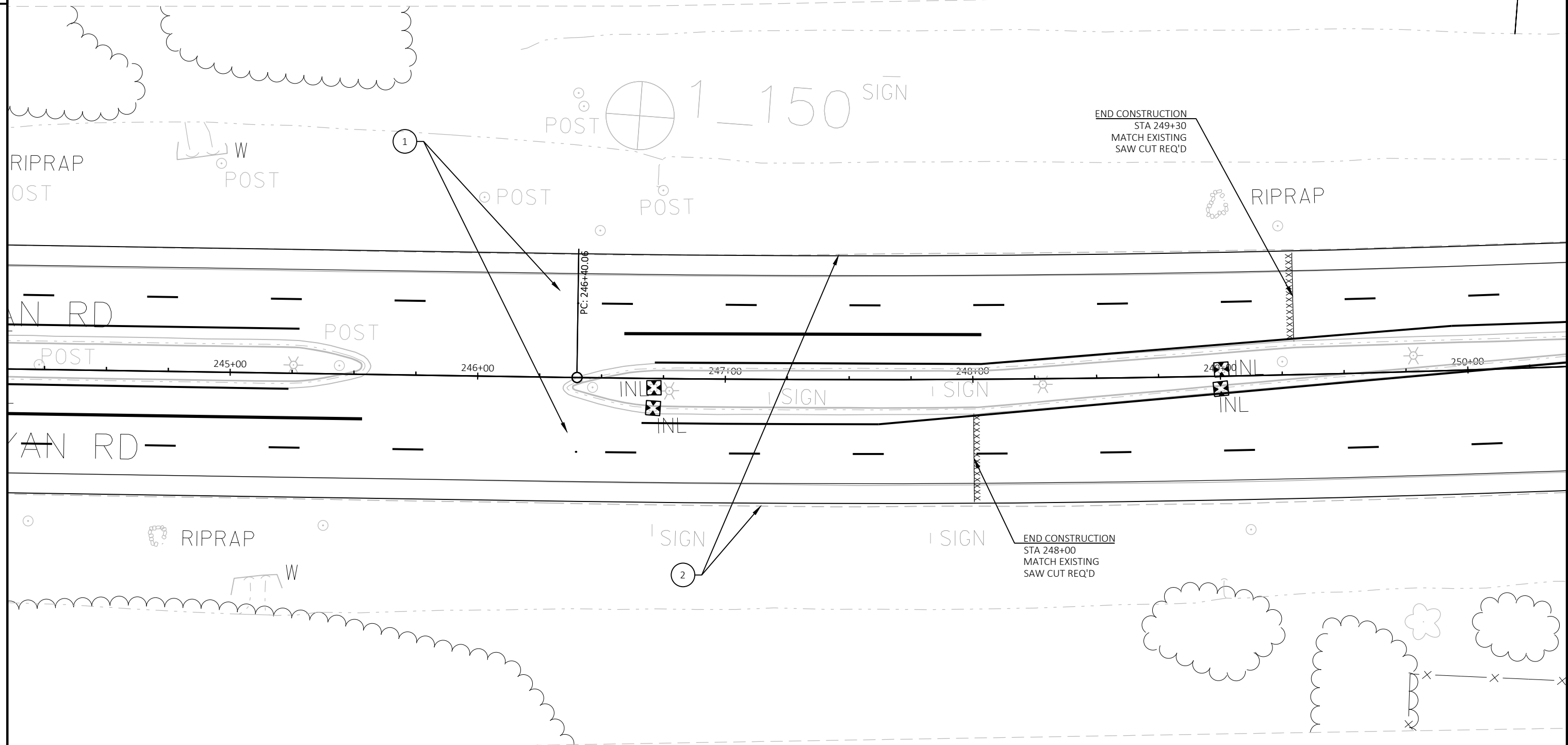
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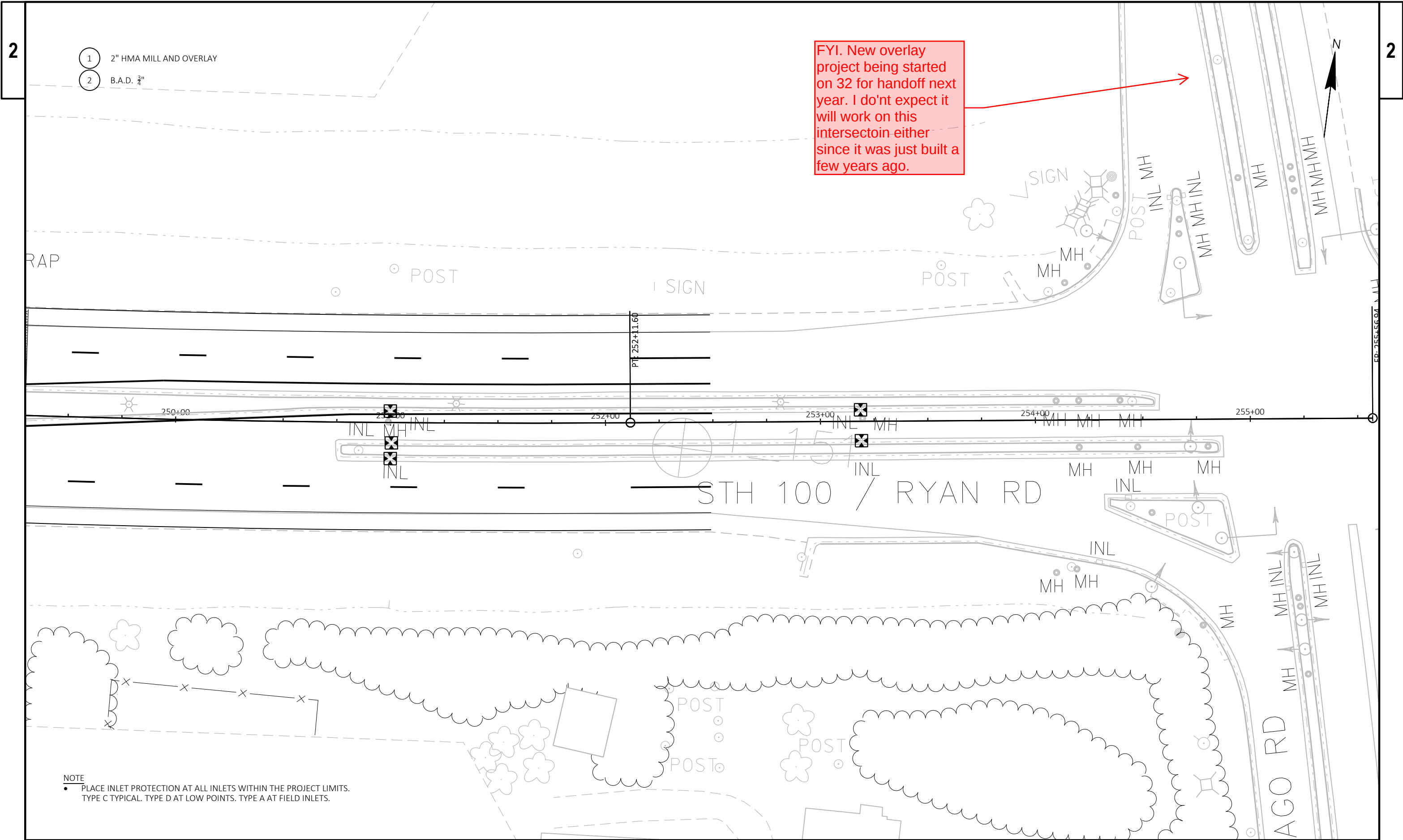
NOTE
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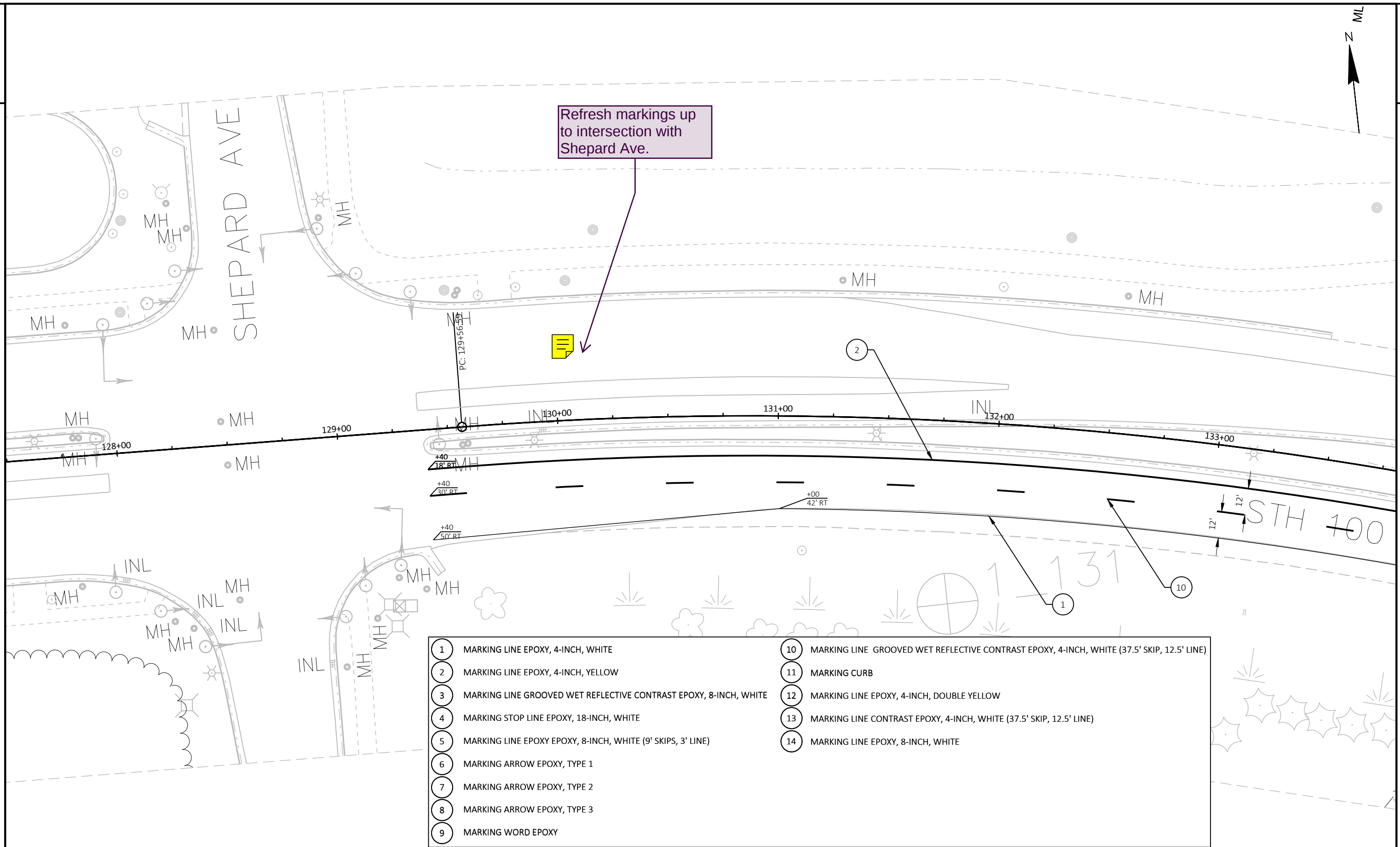


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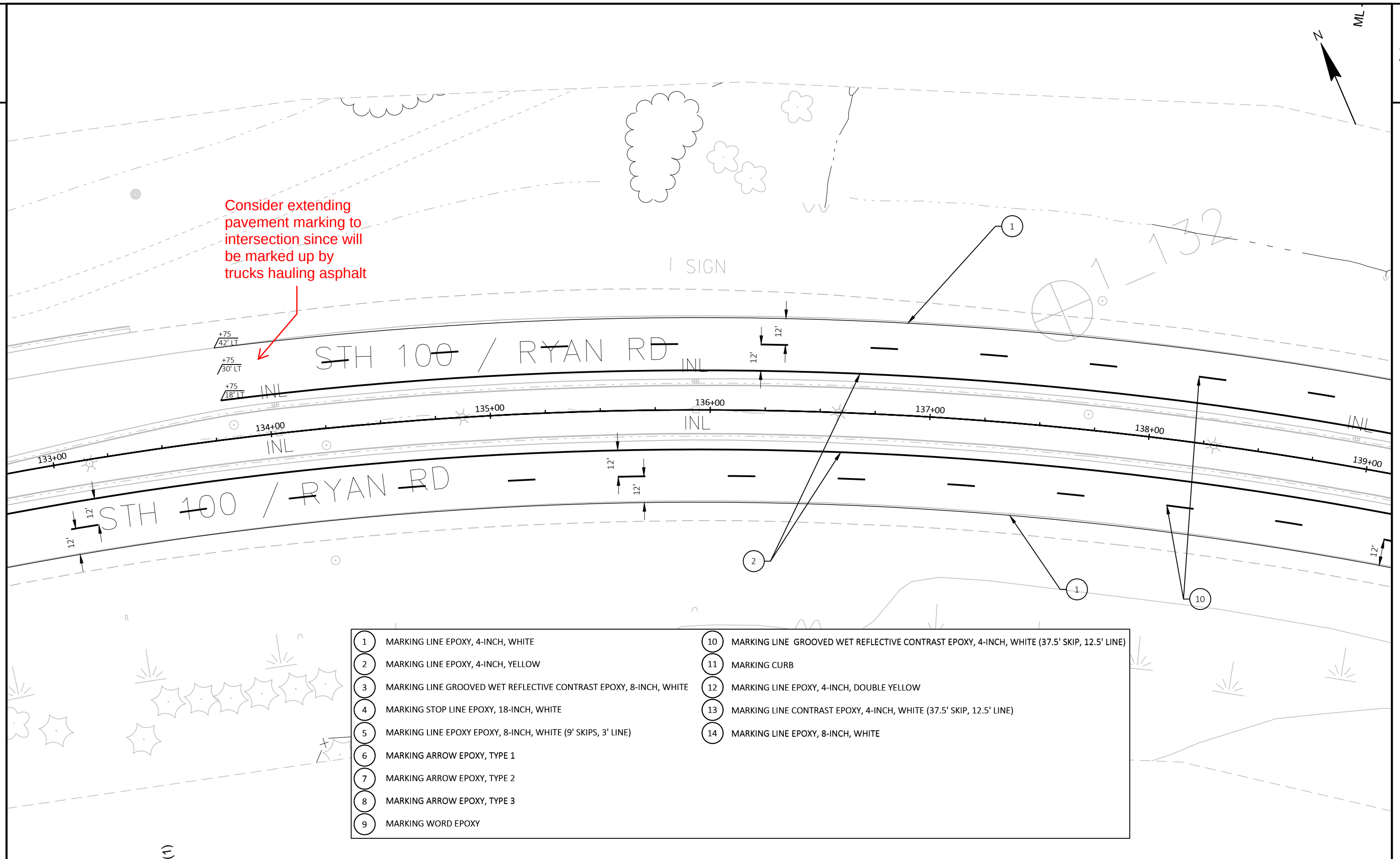


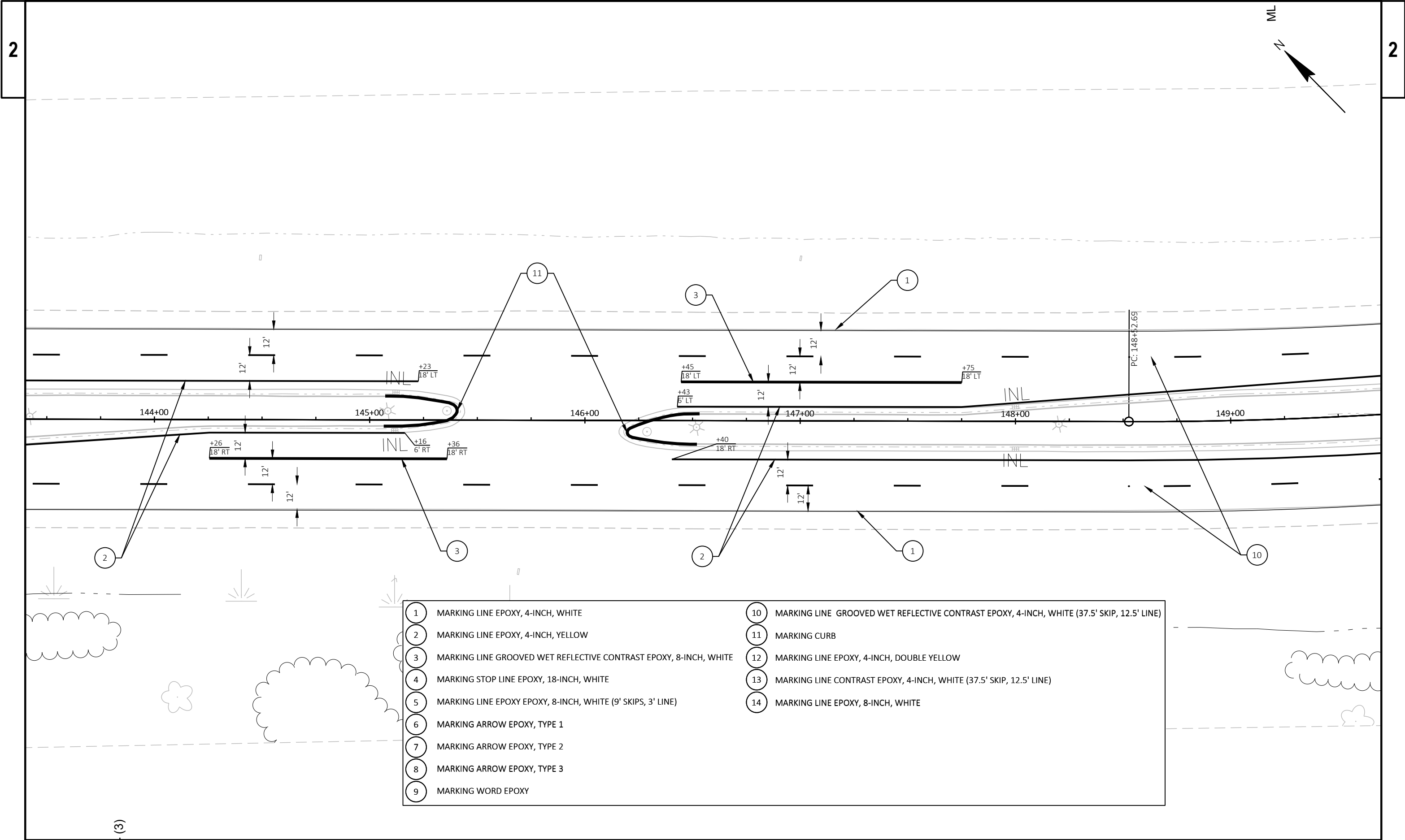
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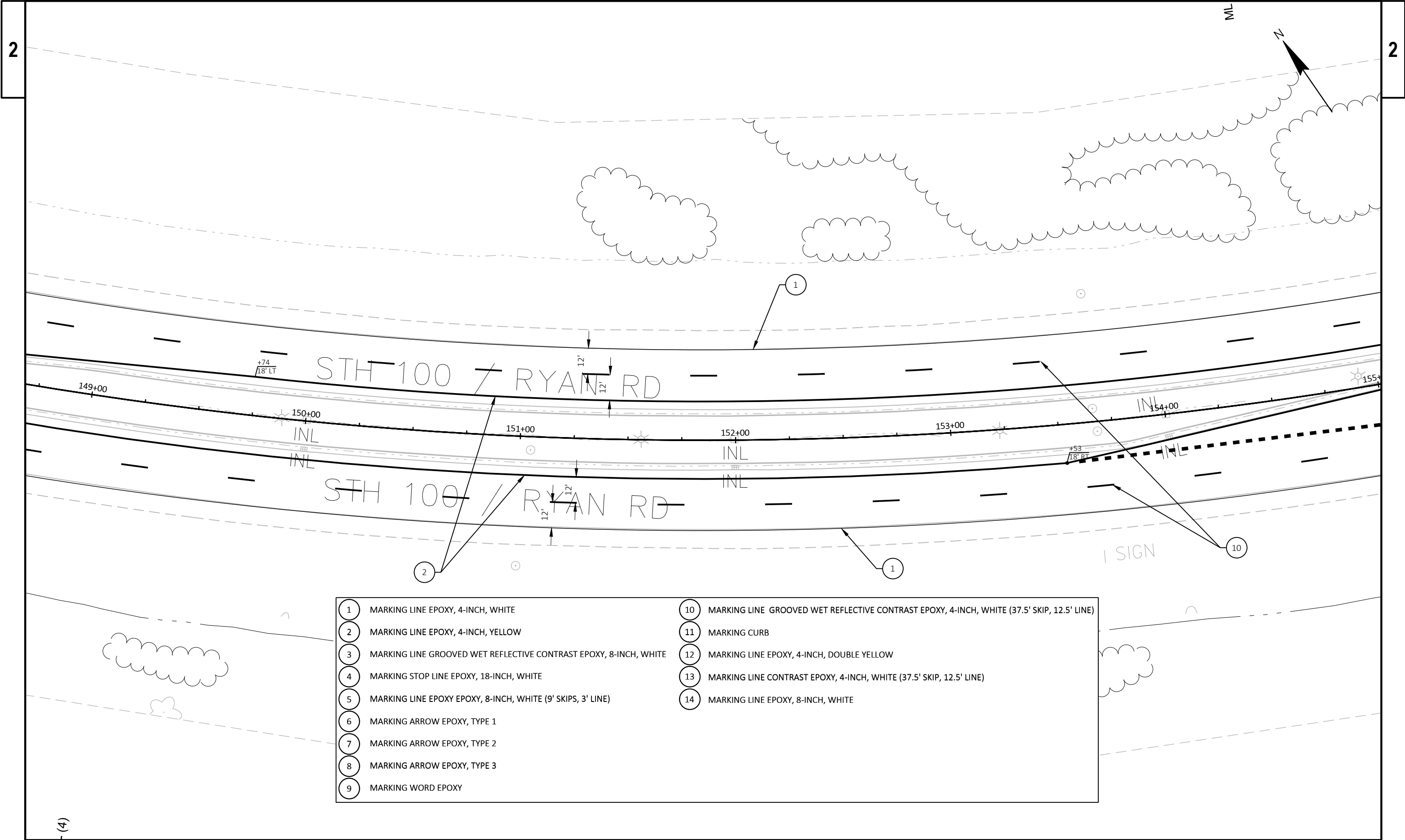


1	MARKING LINE EPOXY, 4-INCH, WHITE	10	MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY, 4-INCH, WHITE (37.5' SKIP, 12.5' LINE)
2	MARKING LINE EPOXY, 4-INCH, YELLOW	11	MARKING CURB
3	MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY, 8-INCH, WHITE	12	MARKING LINE EPOXY, 4-INCH, DOUBLE YELLOW
4	MARKING STOP LINE EPOXY, 18-INCH, WHITE	13	MARKING LINE CONTRAST EPOXY, 4-INCH, WHITE (37.5' SKIP, 12.5' LINE)
5	MARKING LINE EPOXY EPOXY, 8-INCH, WHITE (9' SKIPS, 3' LINE)	14	MARKING LINE EPOXY, 8-INCH, WHITE
6	MARKING ARROW EPOXY, TYPE 1		
7	MARKING ARROW EPOXY, TYPE 2		
8	MARKING ARROW EPOXY, TYPE 3		
9	MARKING WORD EPOXY		

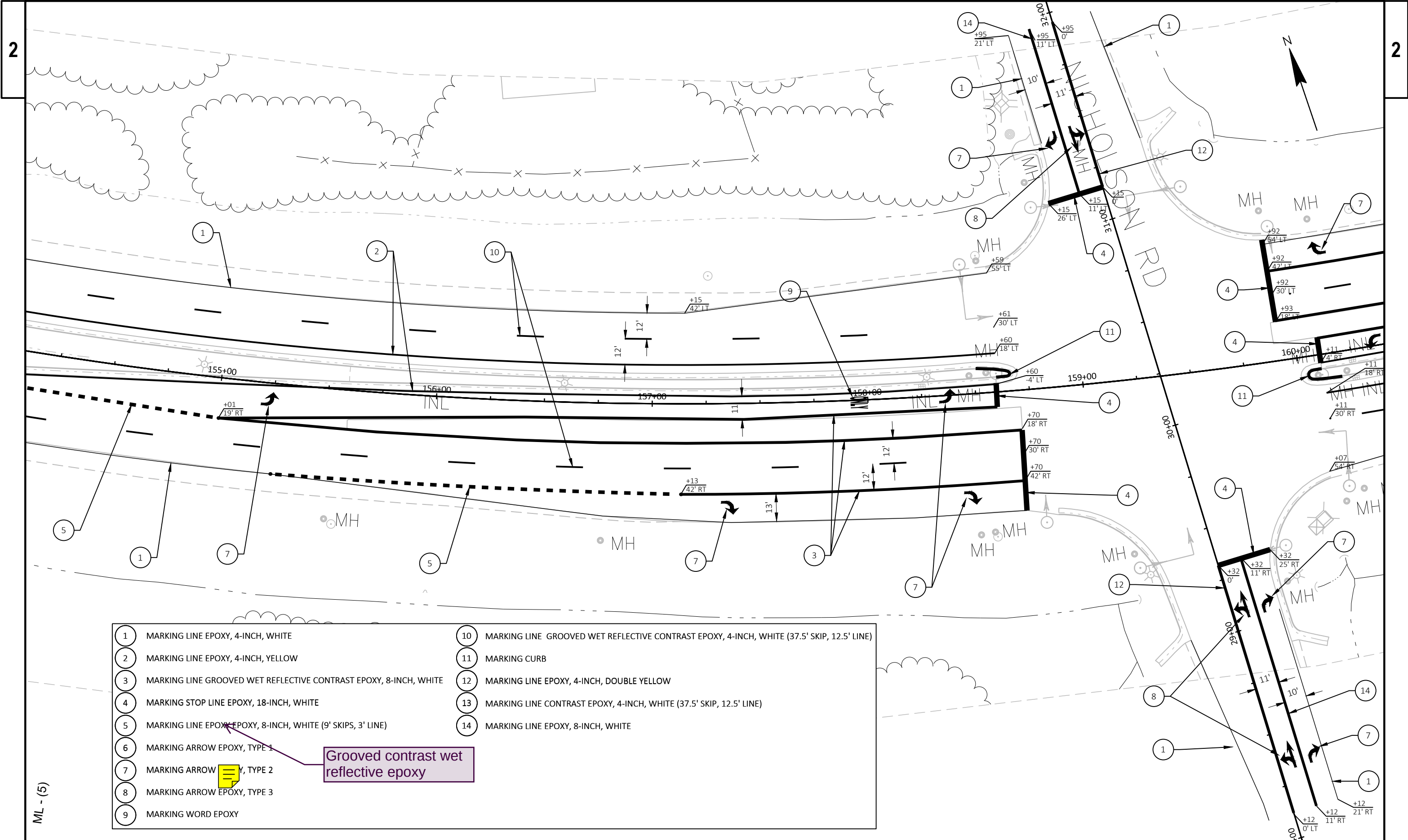




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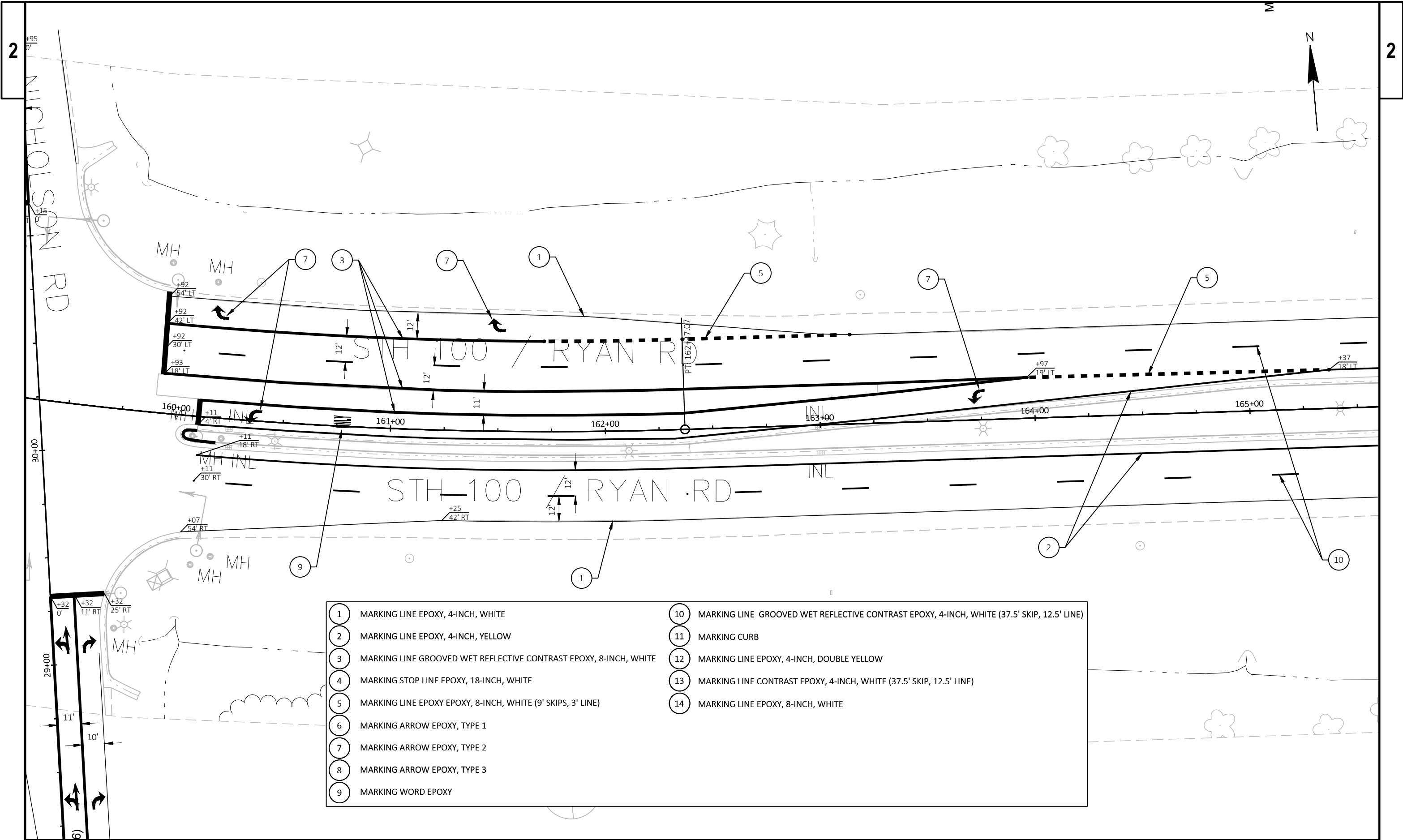
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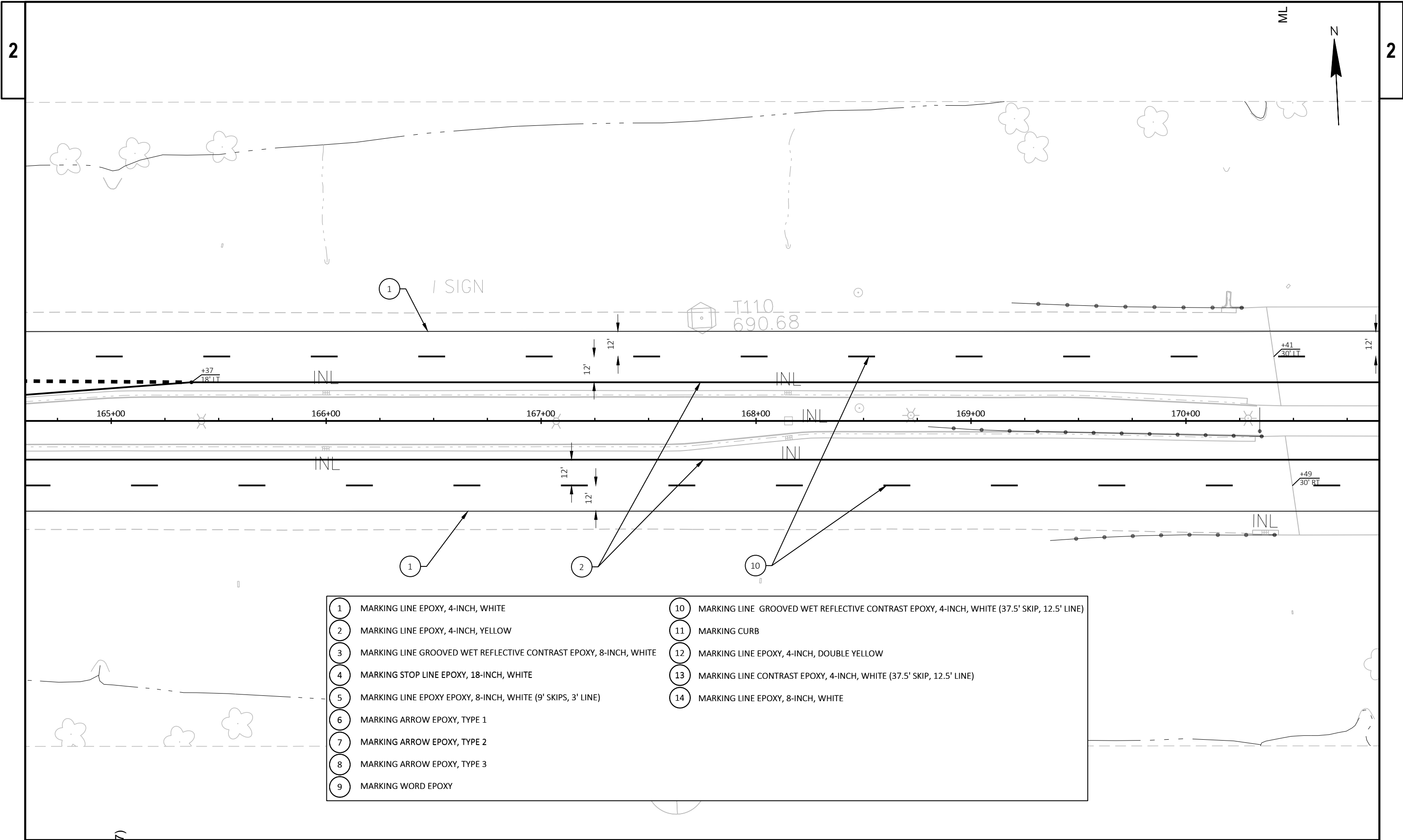
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Grooved contrast wet reflective epoxy

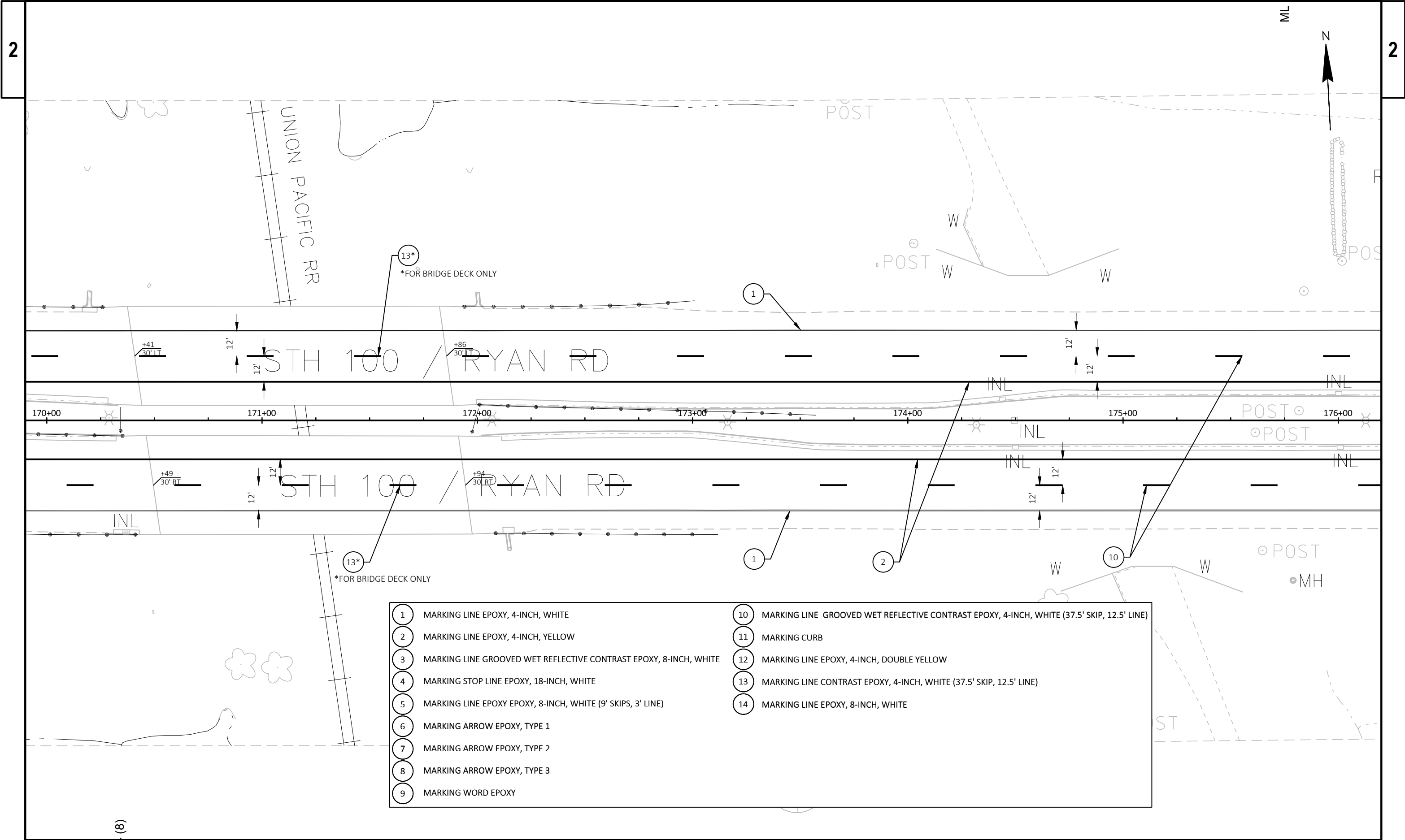
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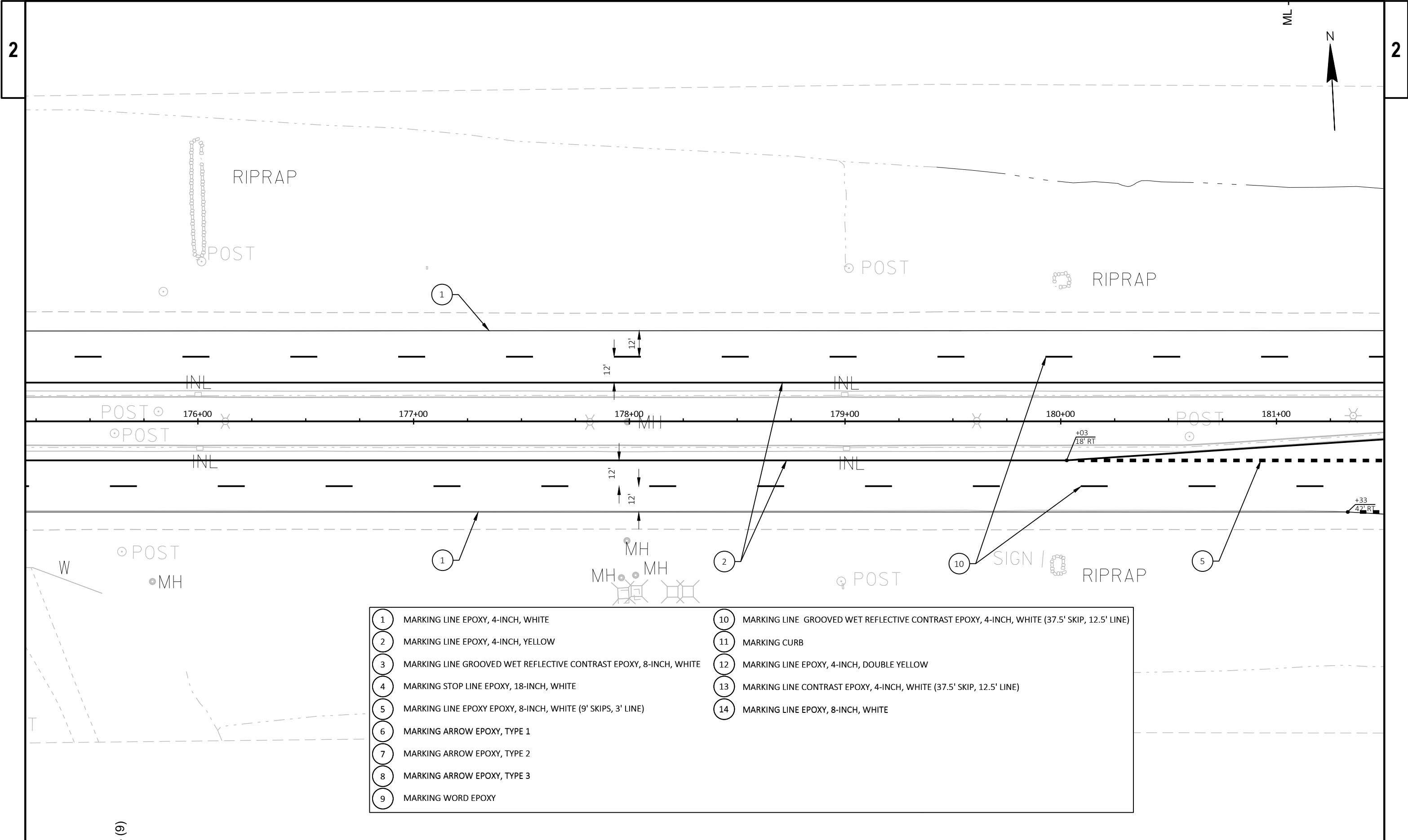


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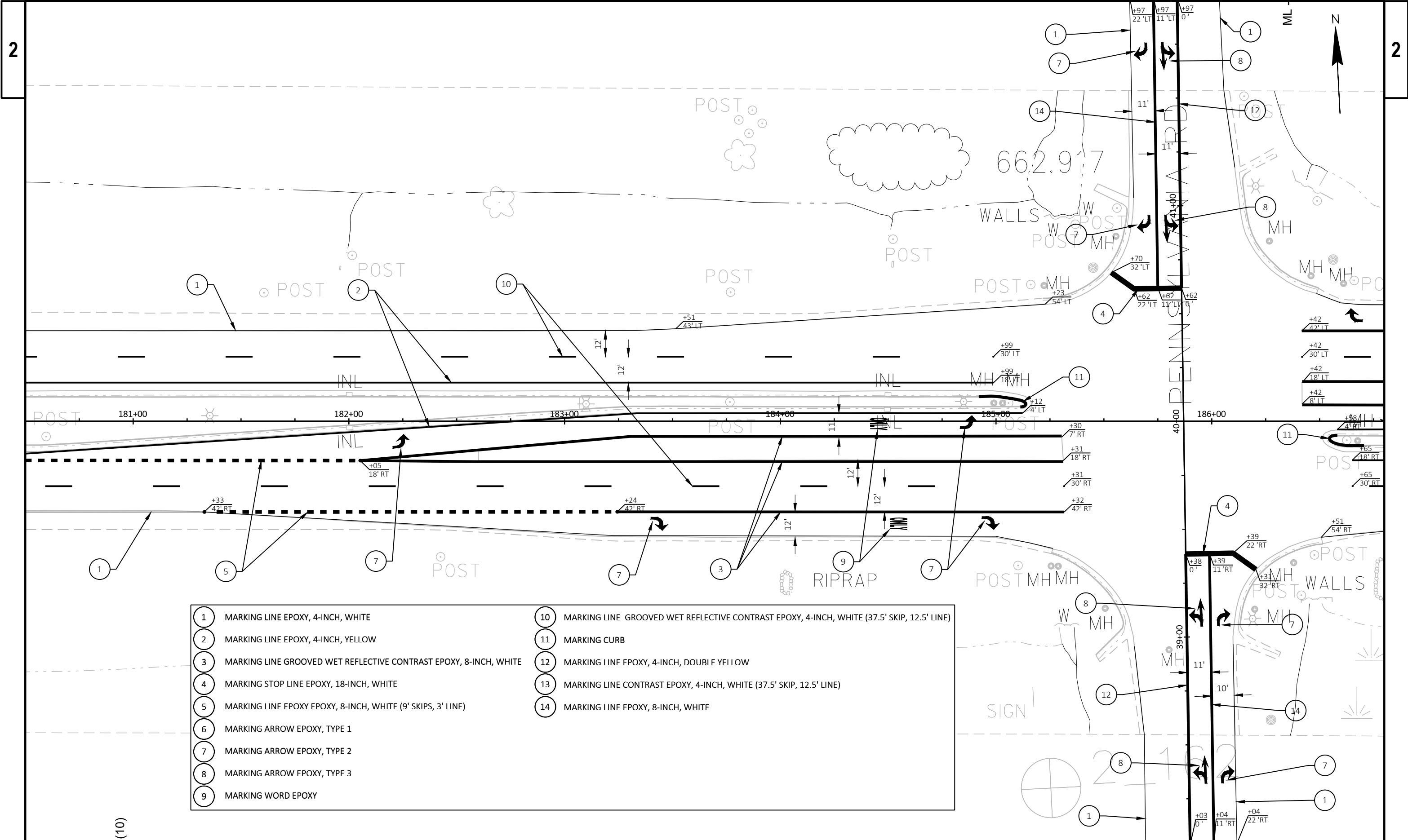


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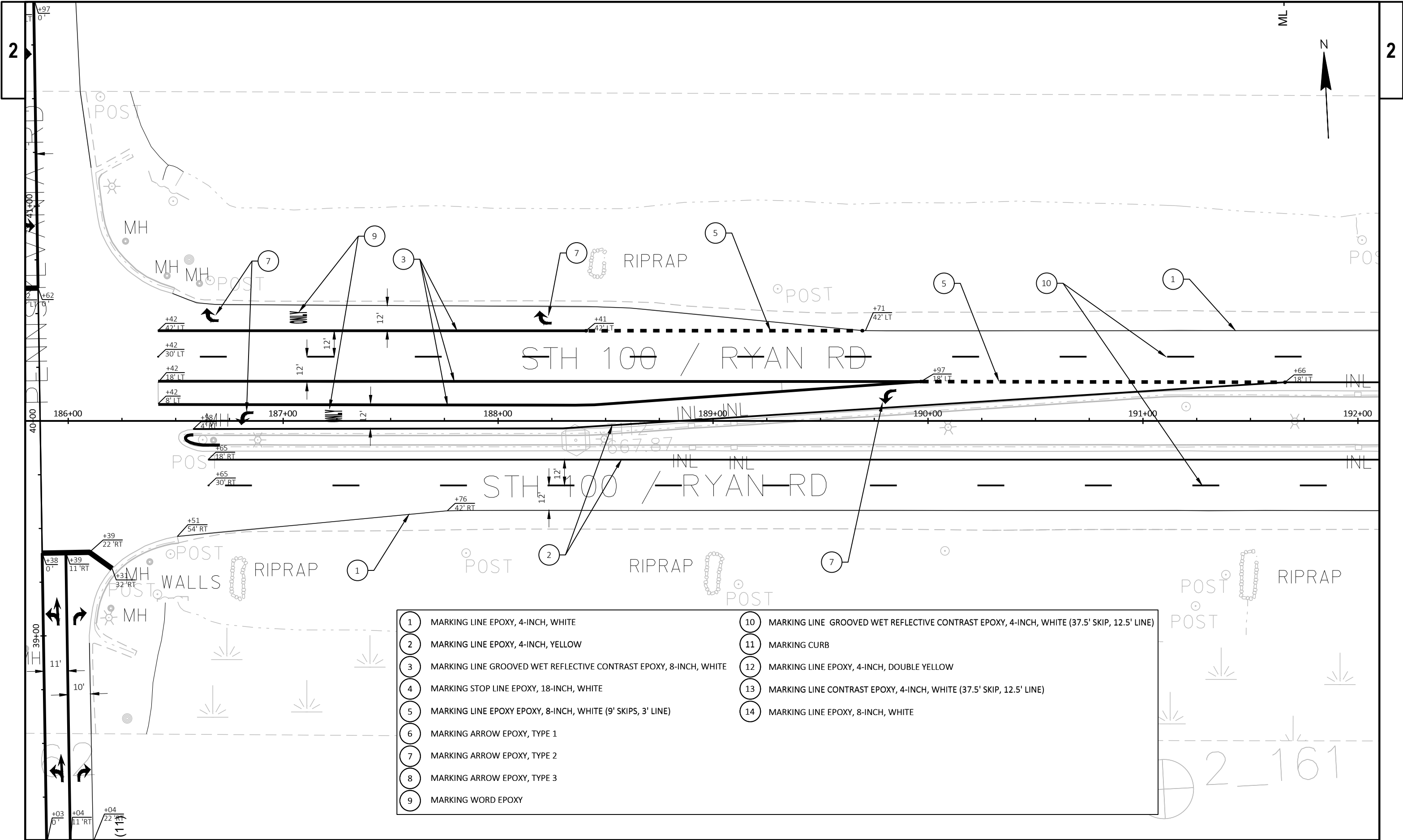




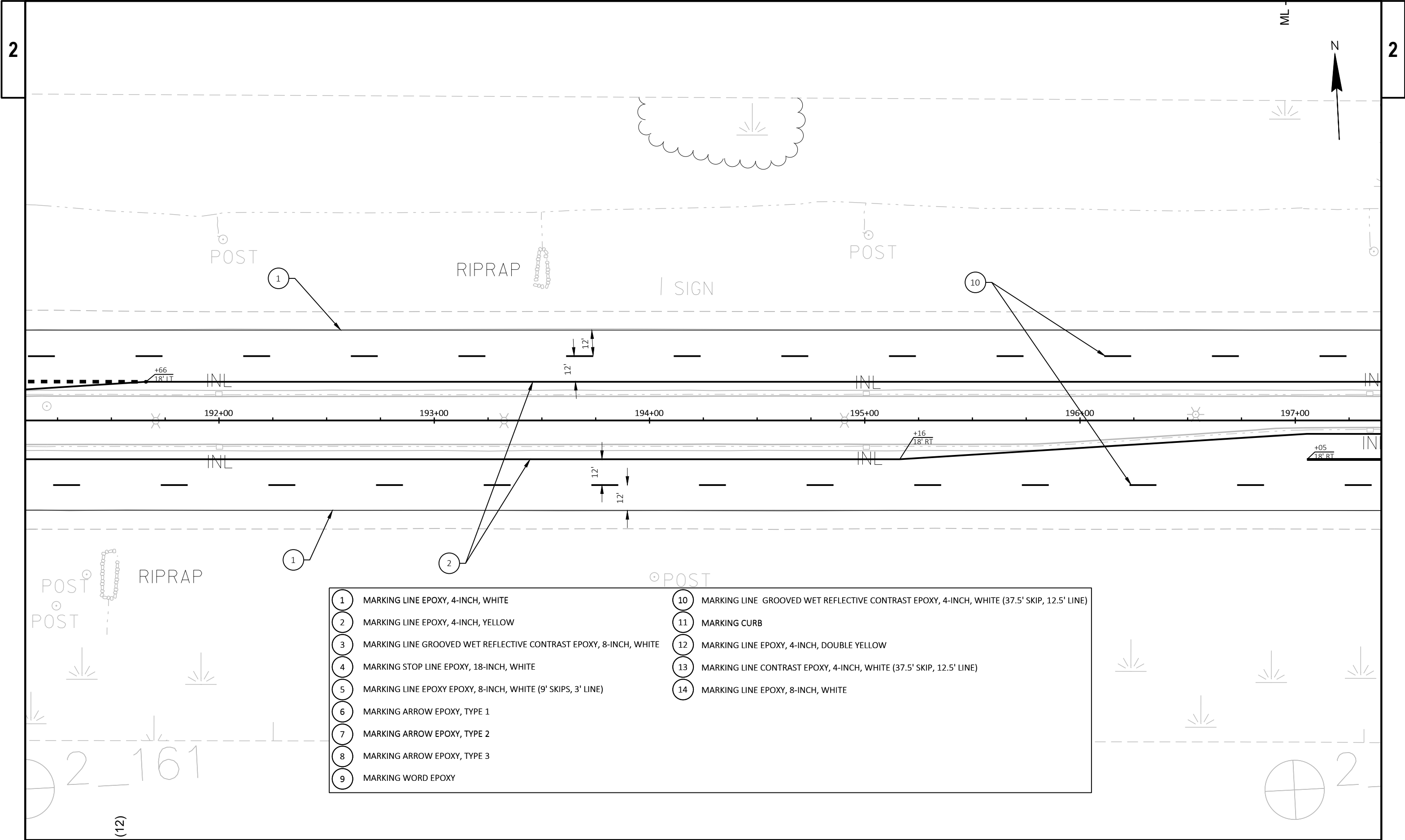
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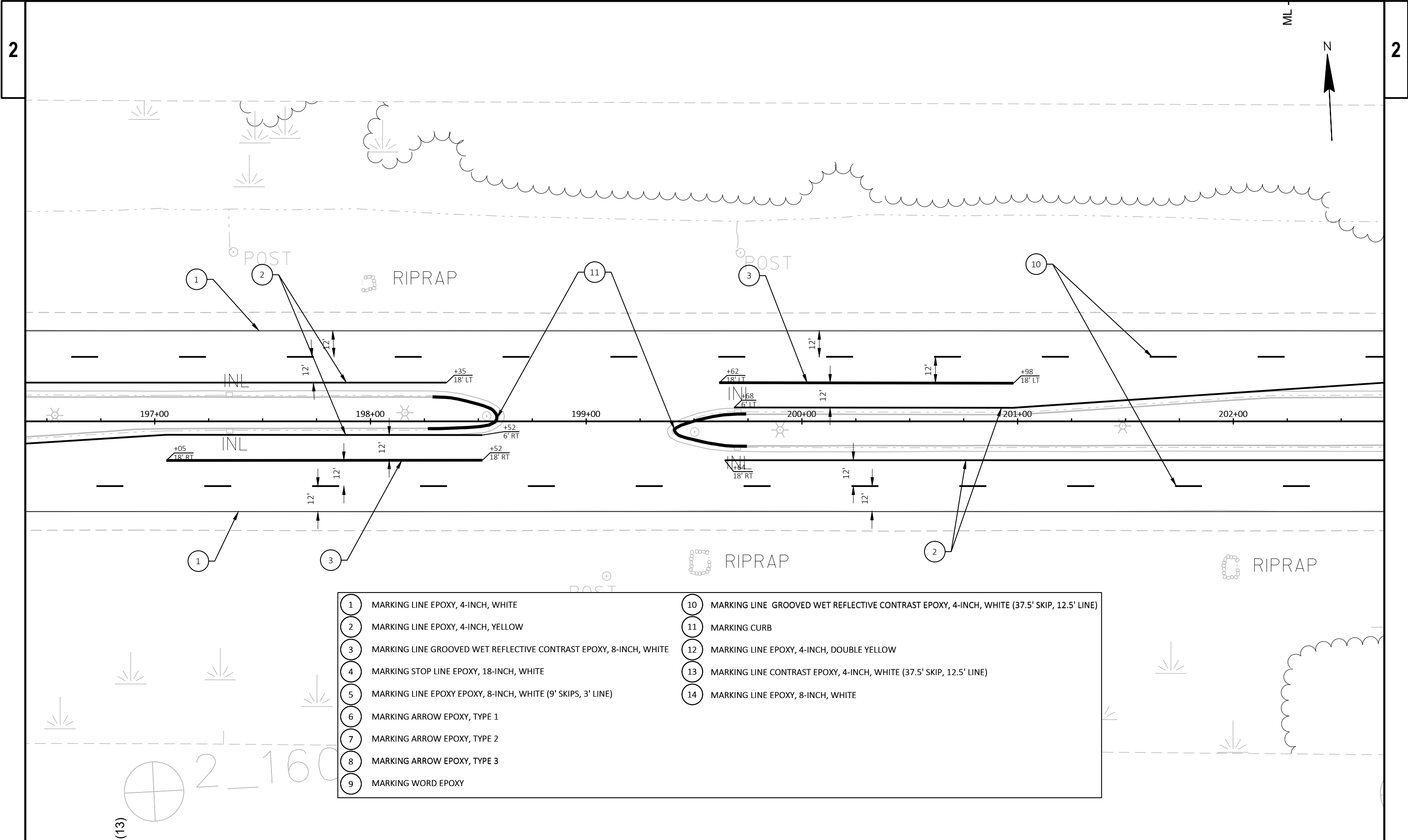
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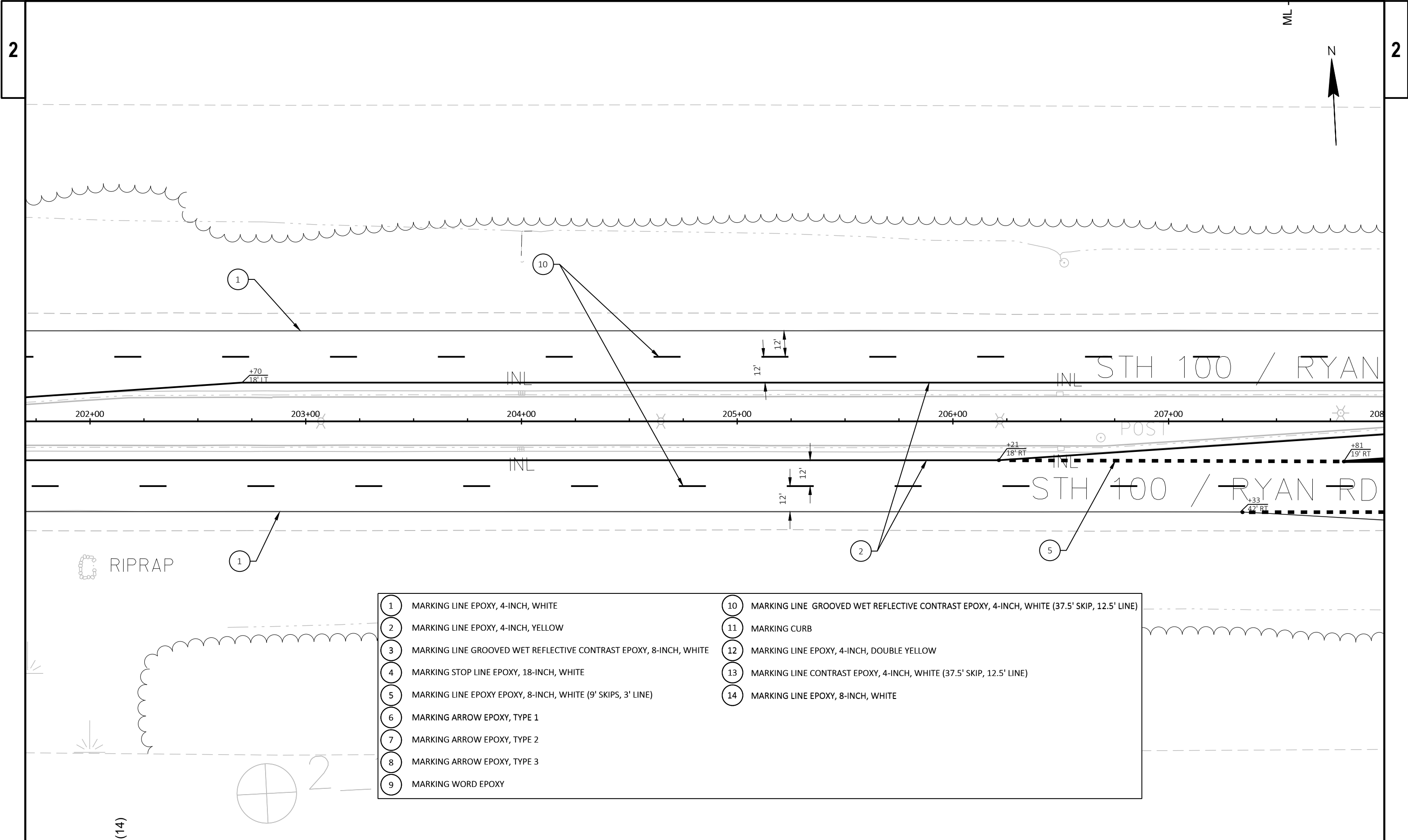
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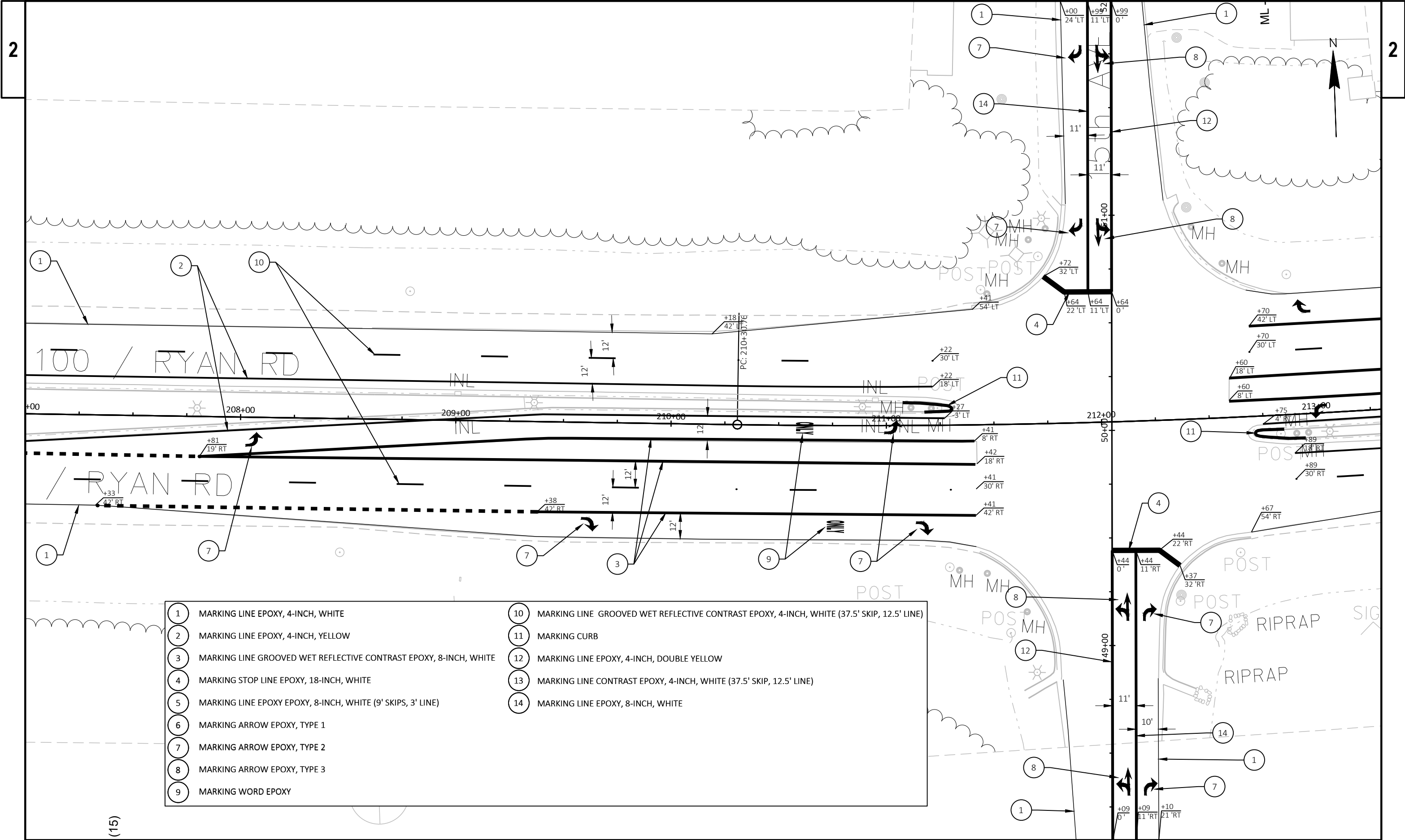
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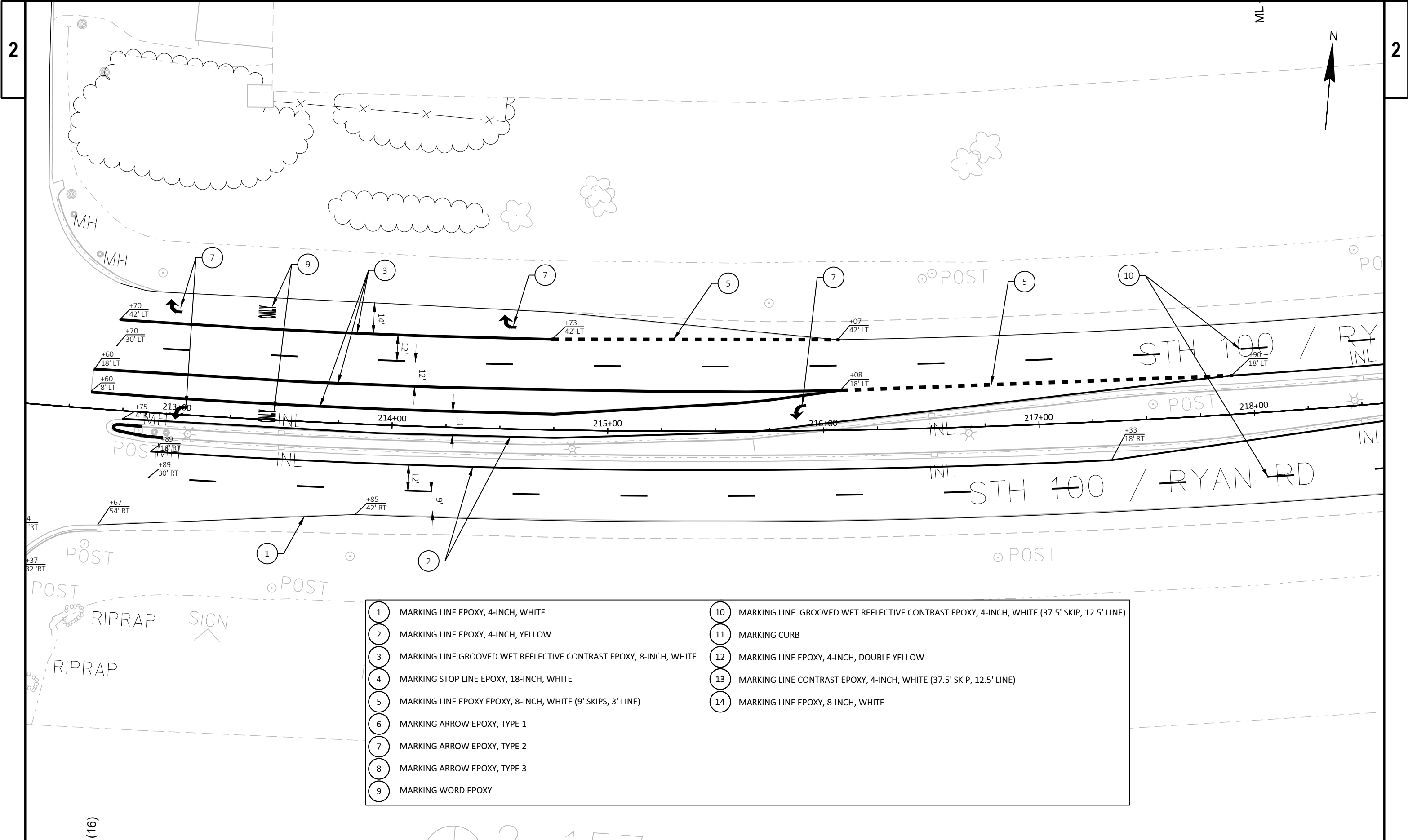


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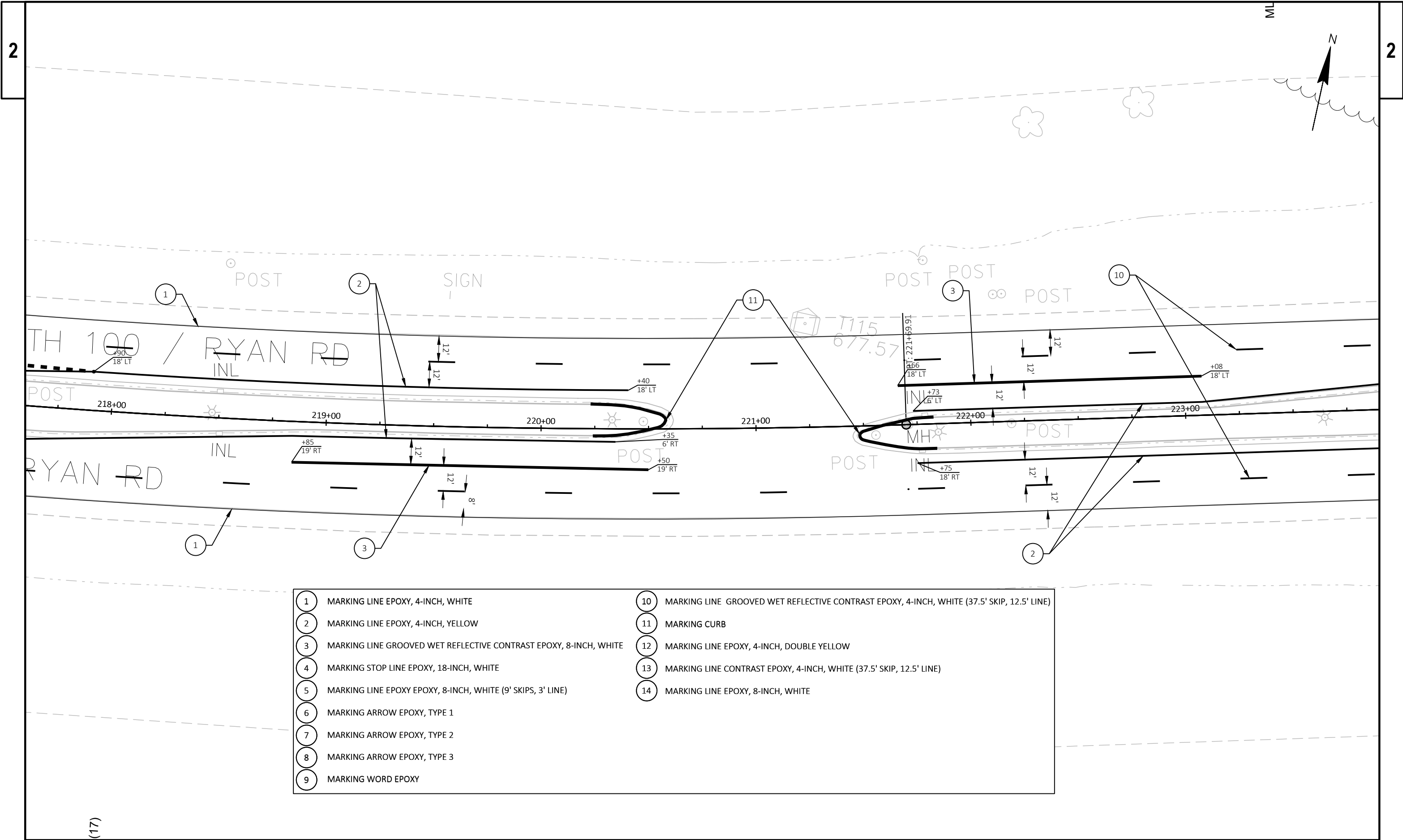


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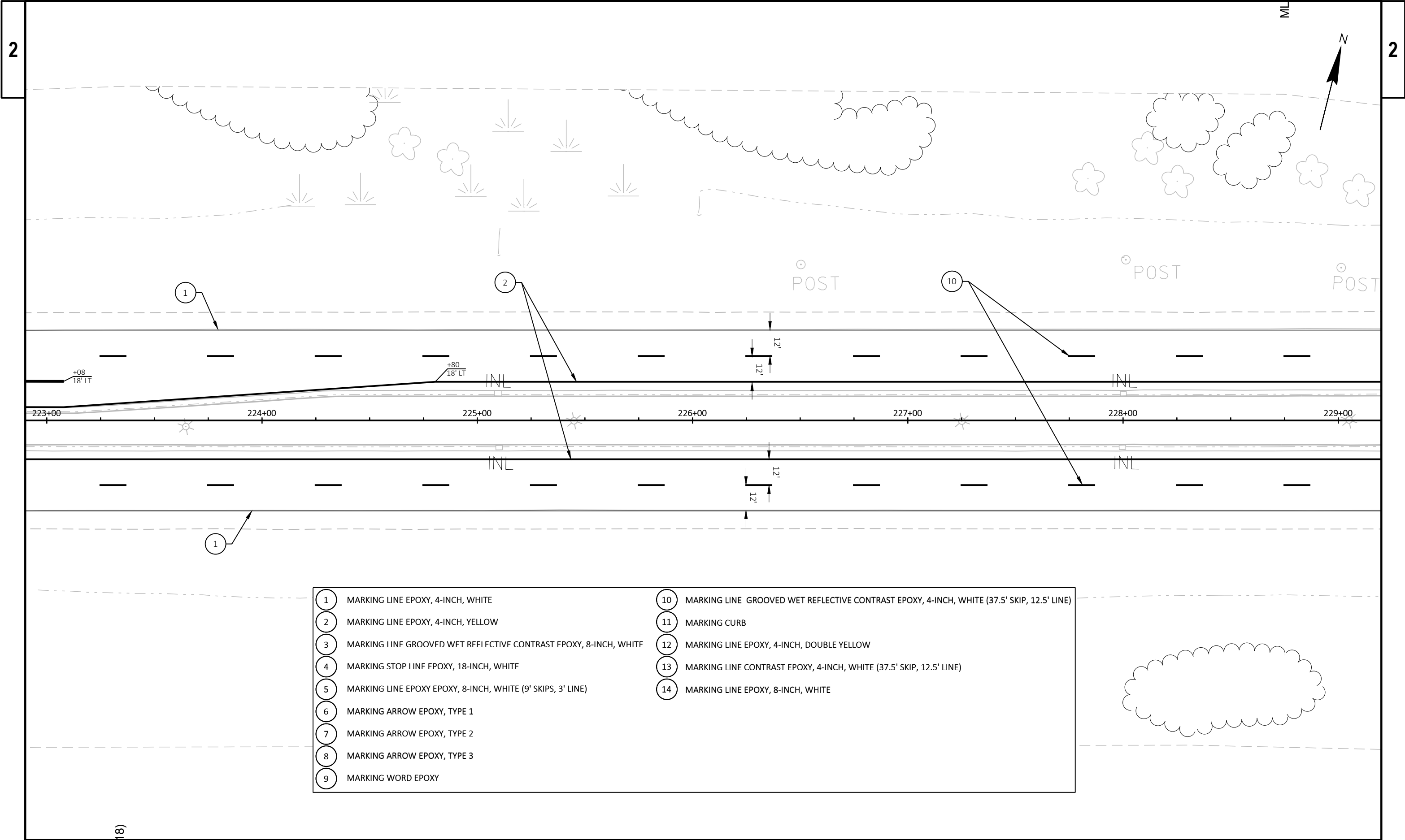


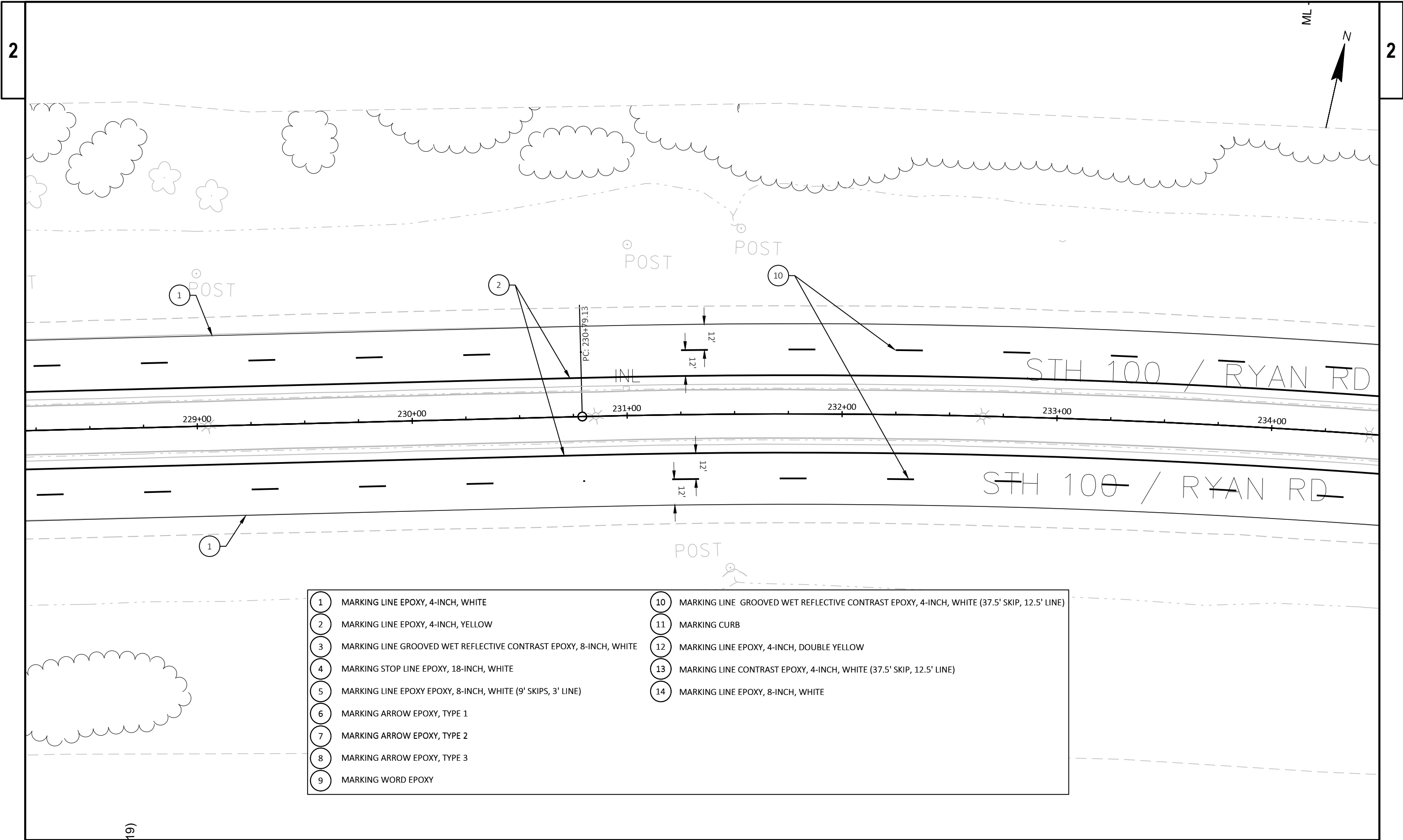


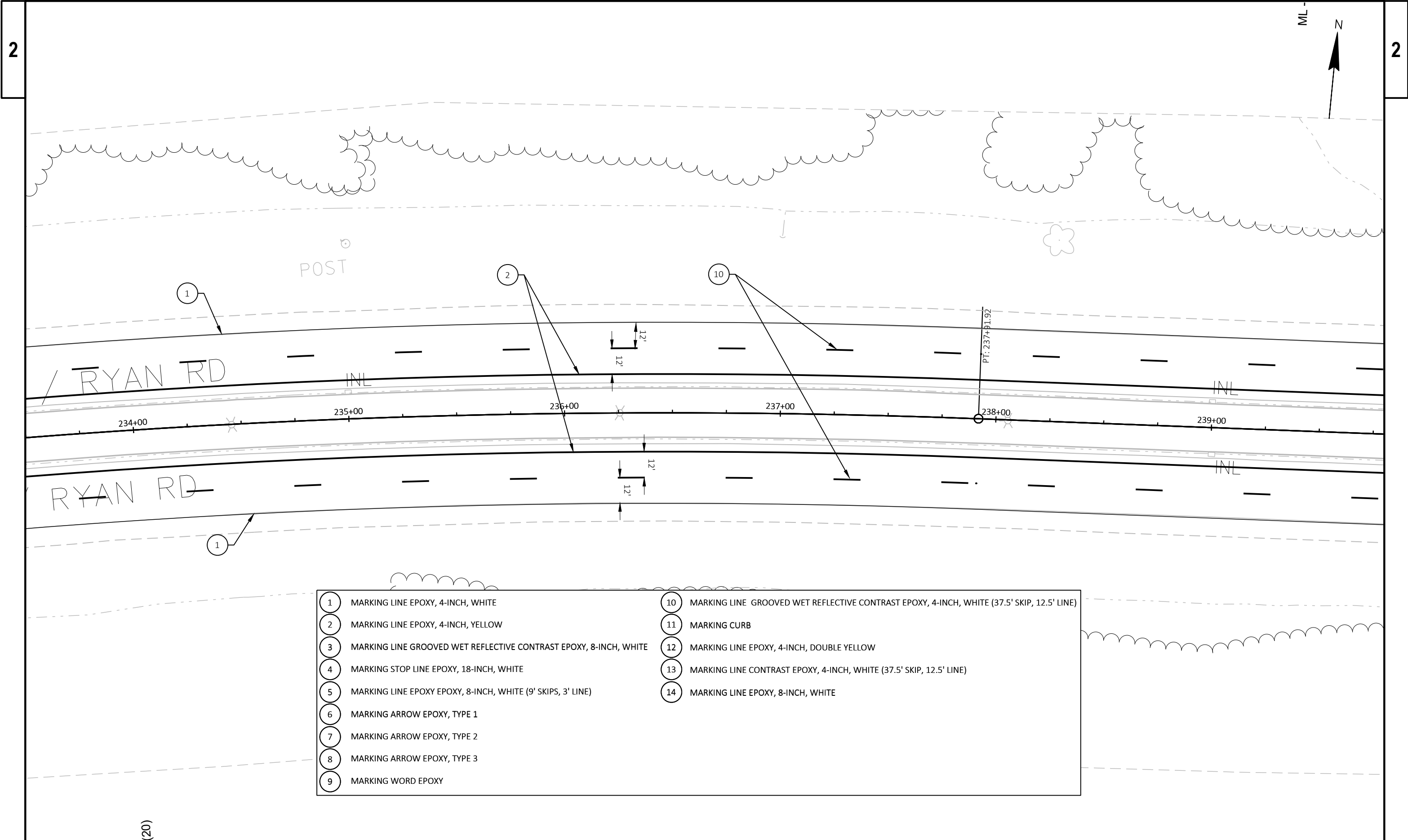
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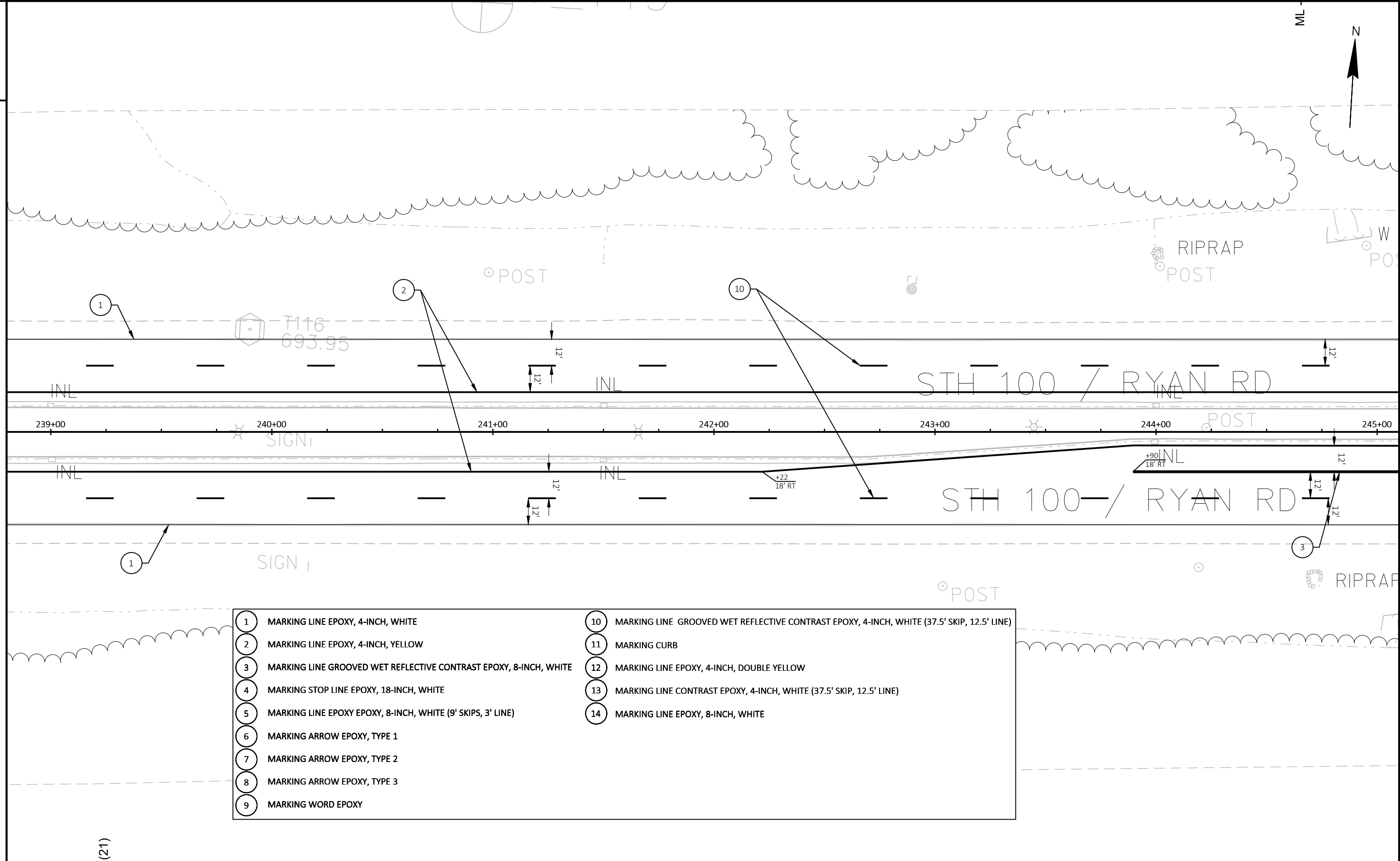




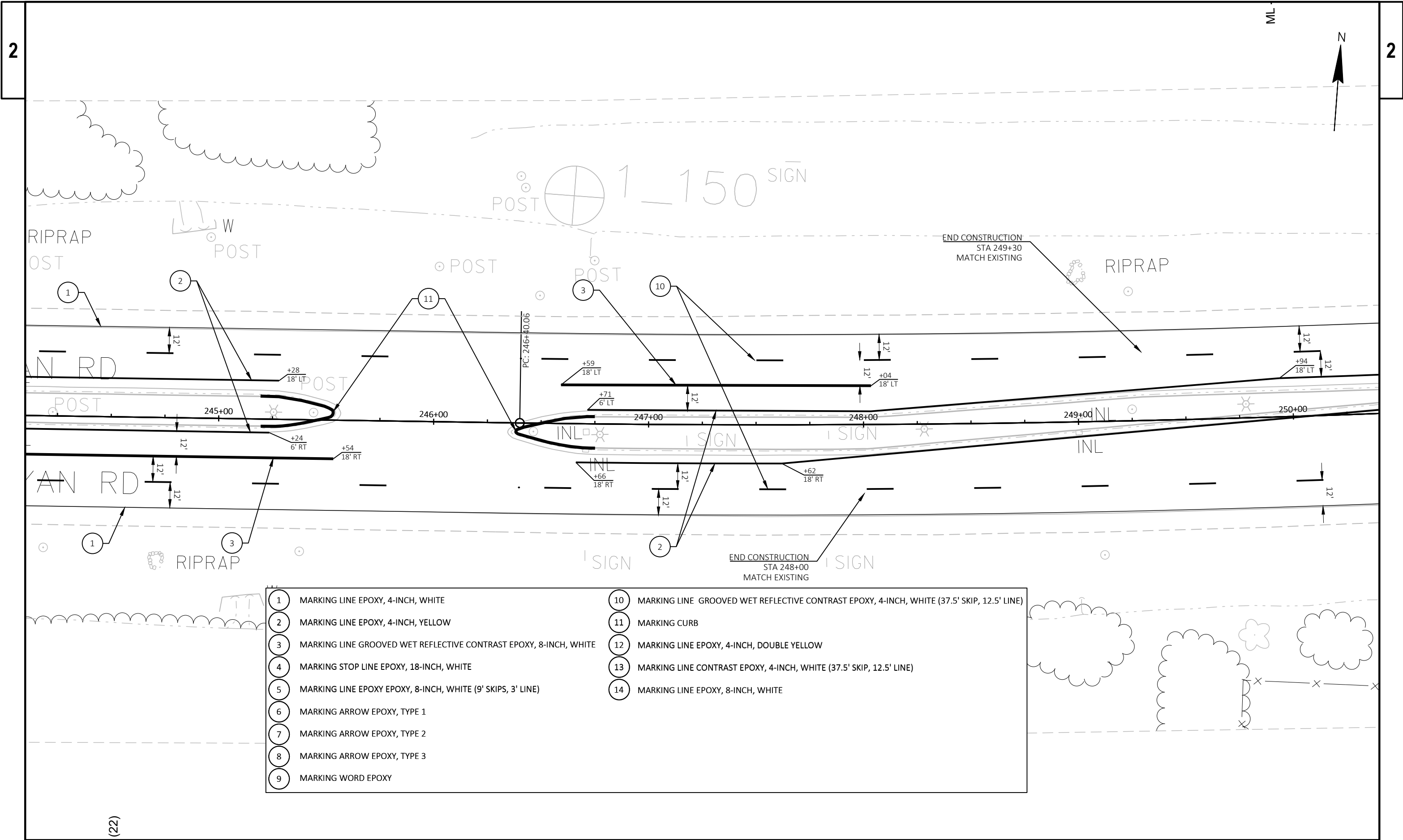
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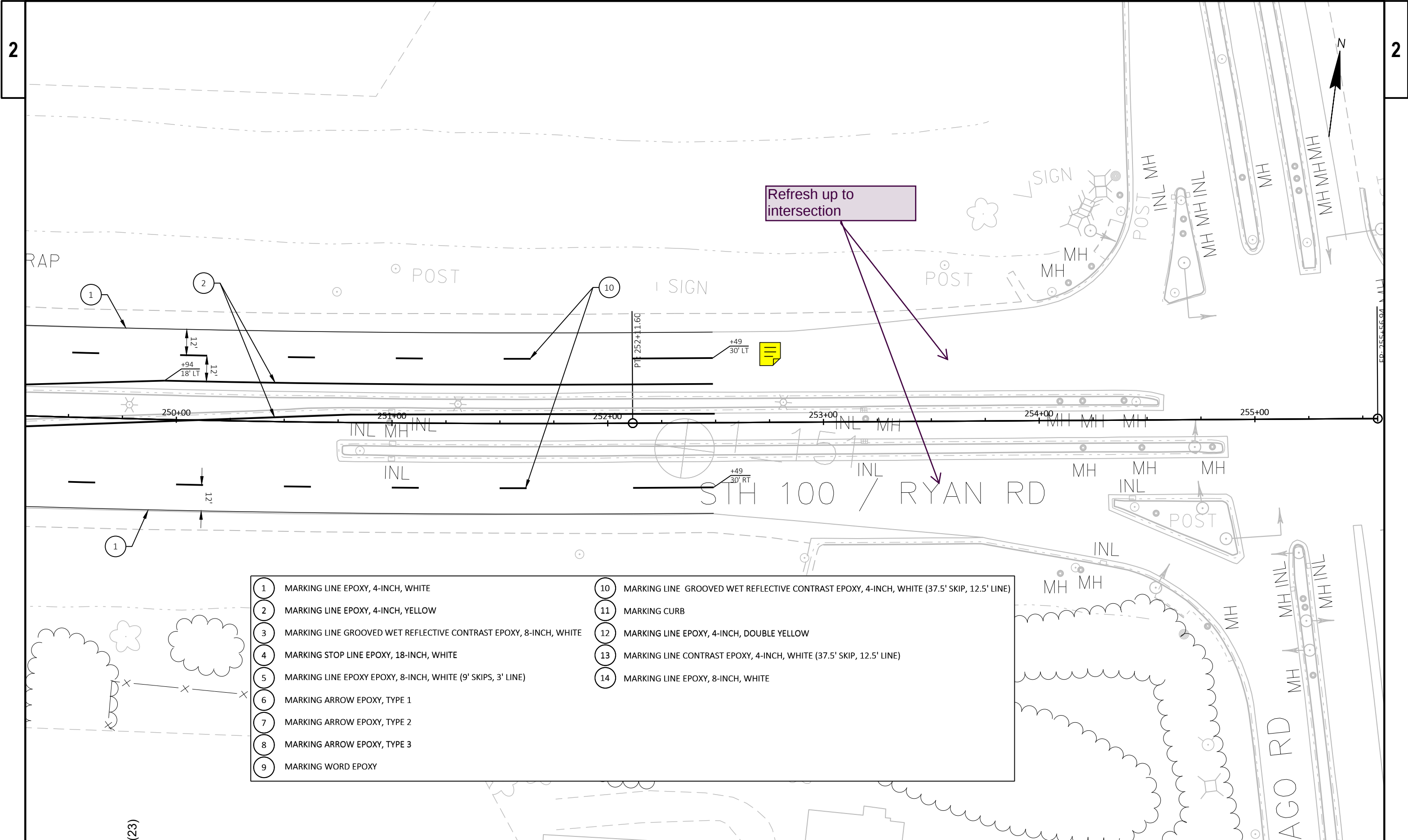
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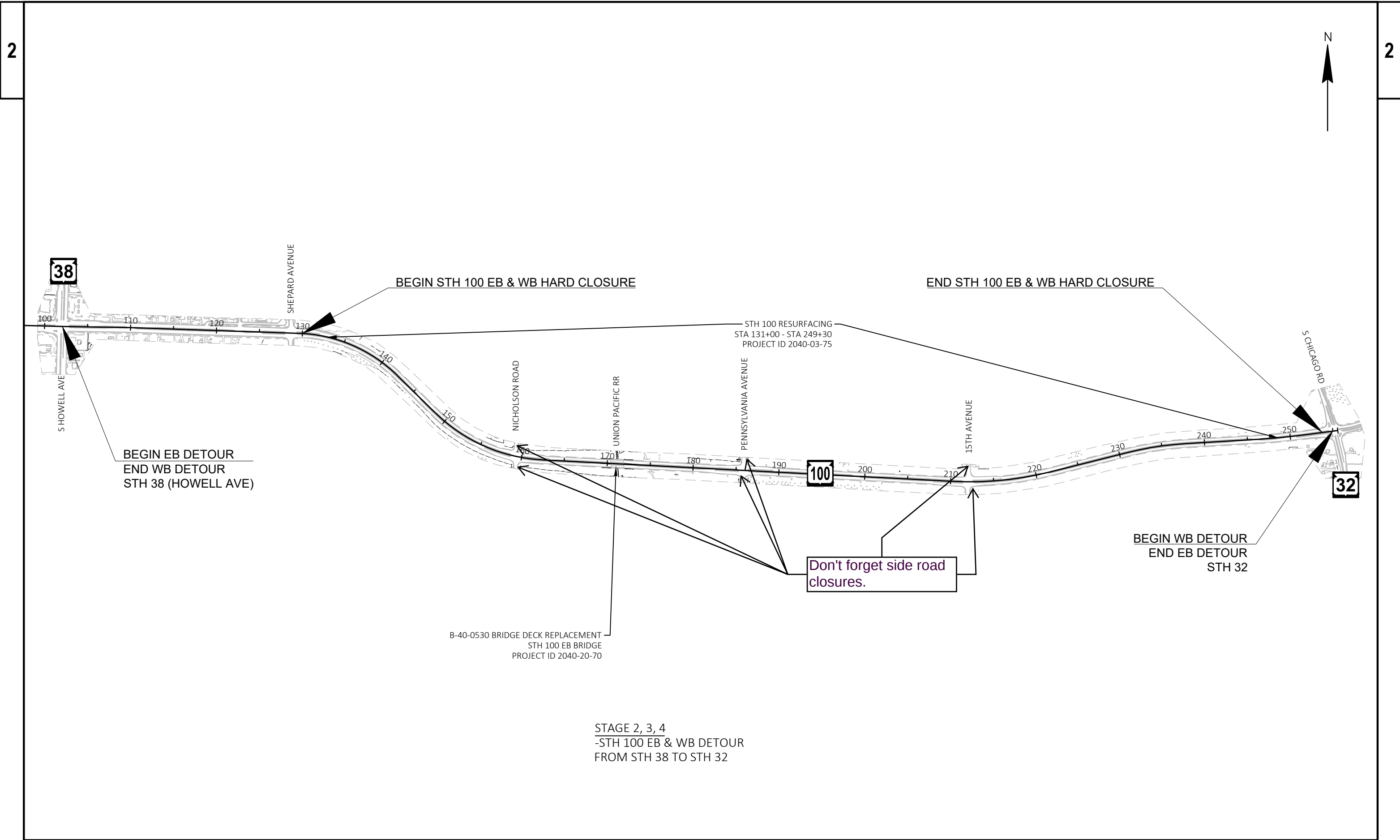
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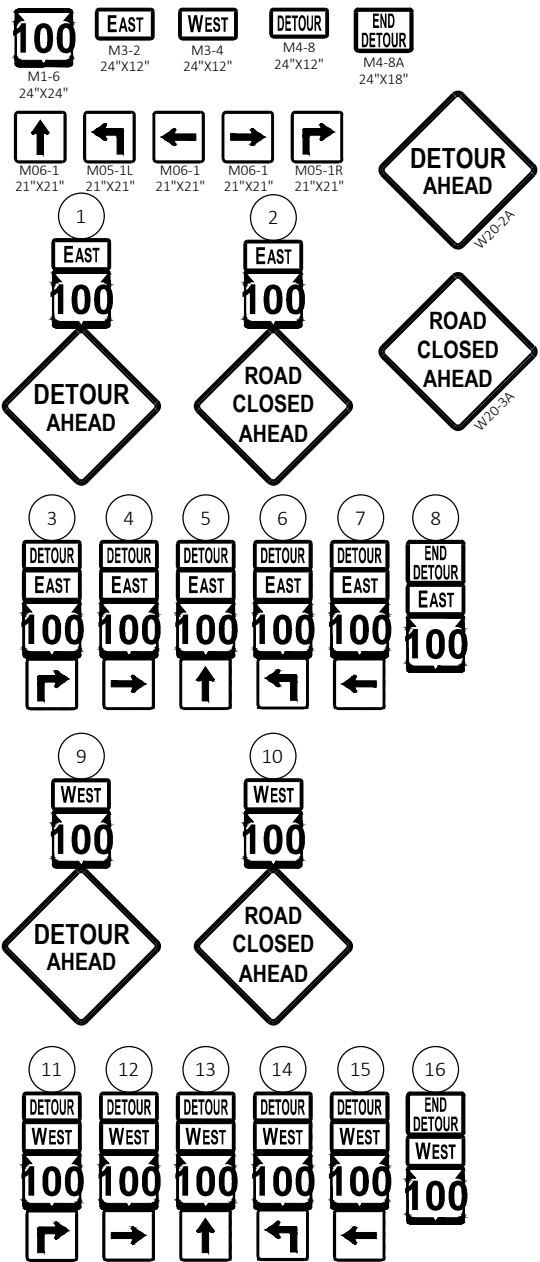
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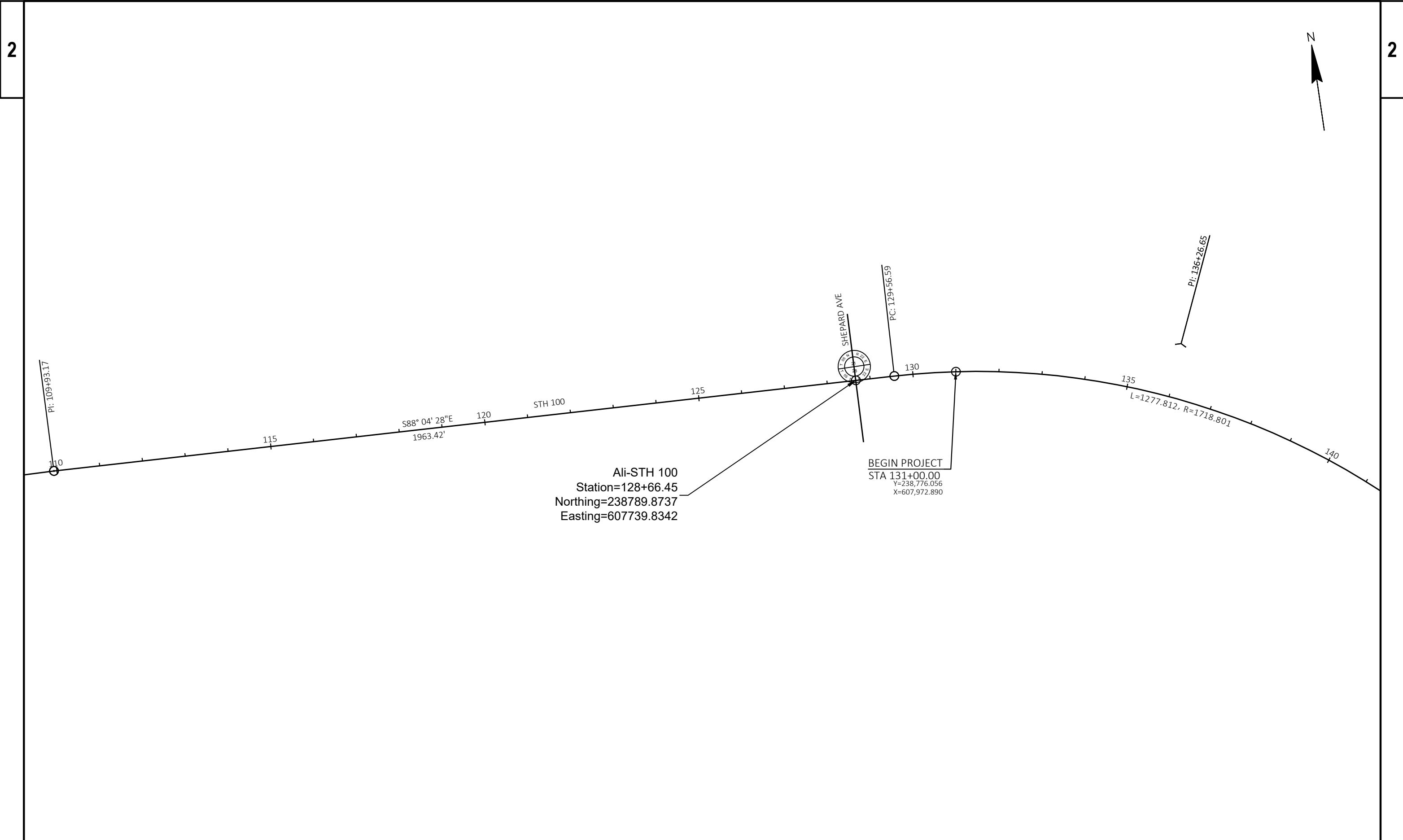
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|---|---|----|--|
| 1 | MARKING LINE EPOXY, 4-INCH, WHITE | 10 | MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY, 4-INCH, WHITE (37.5' SKIP, 12.5' LINE) |
| 2 | MARKING LINE EPOXY, 4-INCH, YELLOW | 11 | MARKING CURB |
| 3 | MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY, 8-INCH, WHITE | 12 | MARKING LINE EPOXY, 4-INCH, DOUBLE YELLOW |
| 4 | MARKING STOP LINE EPOXY, 18-INCH, WHITE | 13 | MARKING LINE CONTRAST EPOXY, 4-INCH, WHITE (37.5' SKIP, 12.5' LINE) |
| 5 | MARKING LINE EPOXY EPOXY, 8-INCH, WHITE (9' SKIPS, 3' LINE) | 14 | MARKING LINE EPOXY, 8-INCH, WHITE |
| 6 | MARKING ARROW EPOXY, TYPE 1 | | |
| 7 | MARKING ARROW EPOXY, TYPE 2 | | |
| 8 | MARKING ARROW EPOXY, TYPE 3 | | |
| 9 | MARKING WORD EPOXY | | |



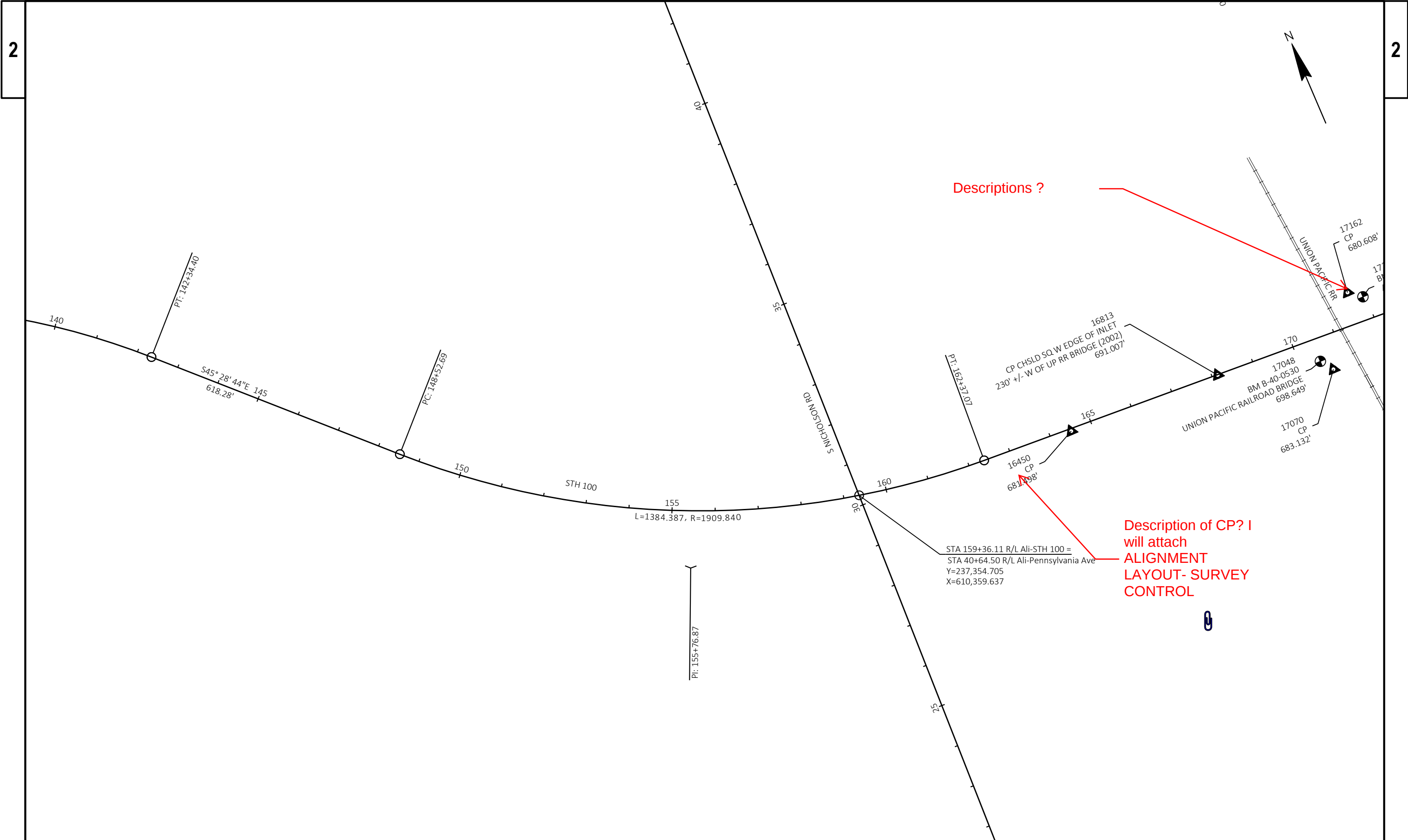
What are the acceptable message(s)?



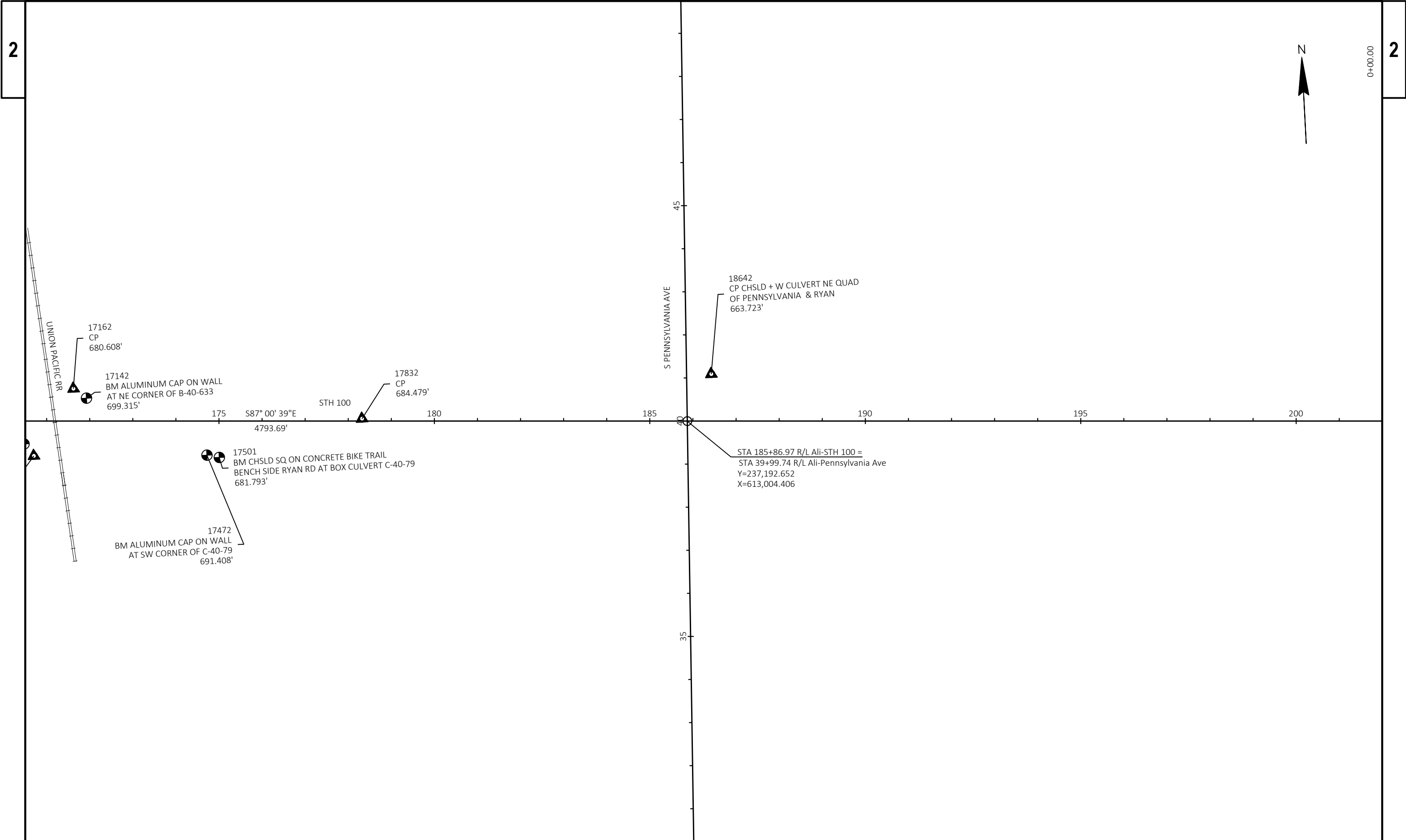
MESSAGE BOARDS TO BE DEPLOYED 5 DAYS PRIOR TO CLOSURE.



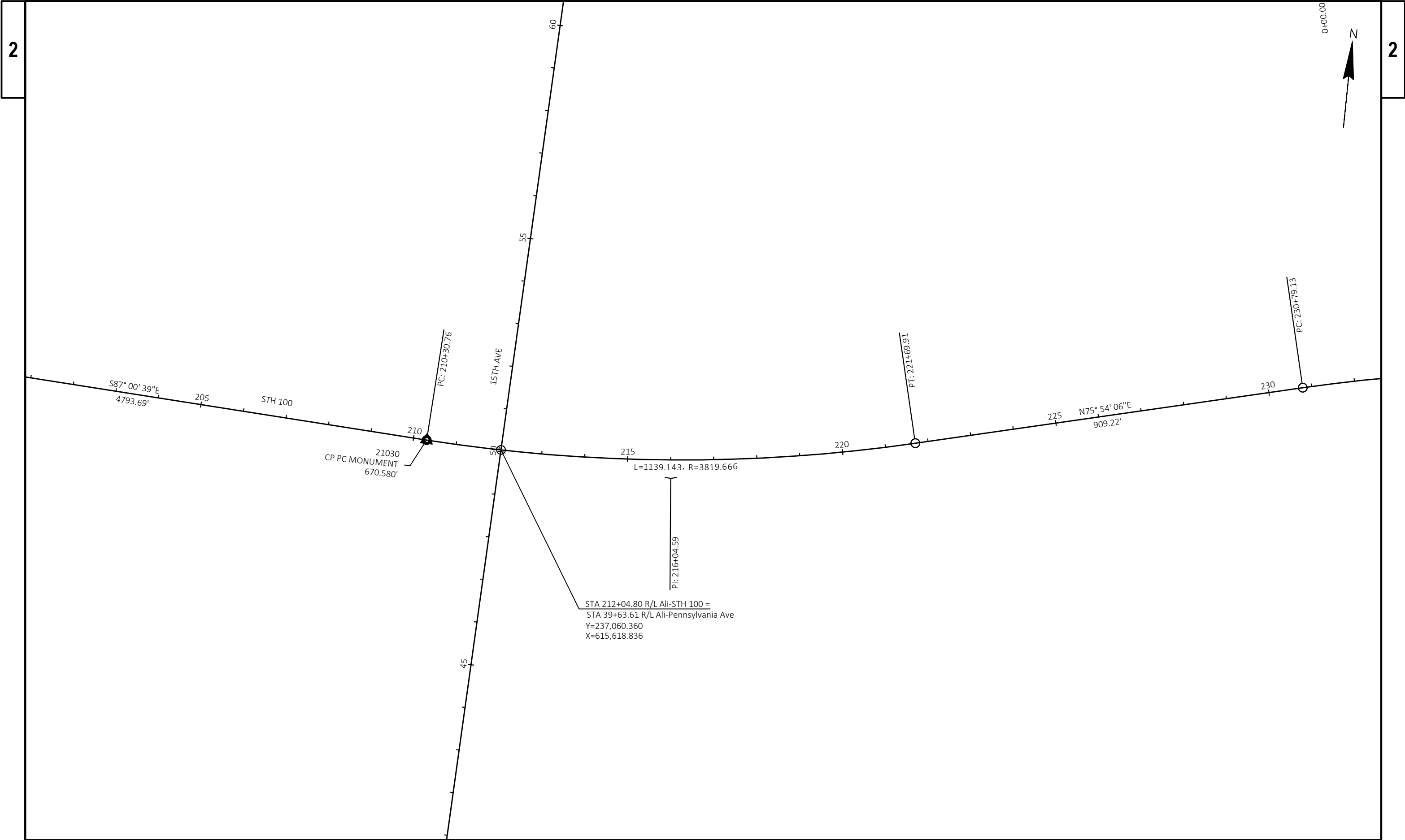
PROJECT NO: 2040-03-75	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAIL	SHEET	E
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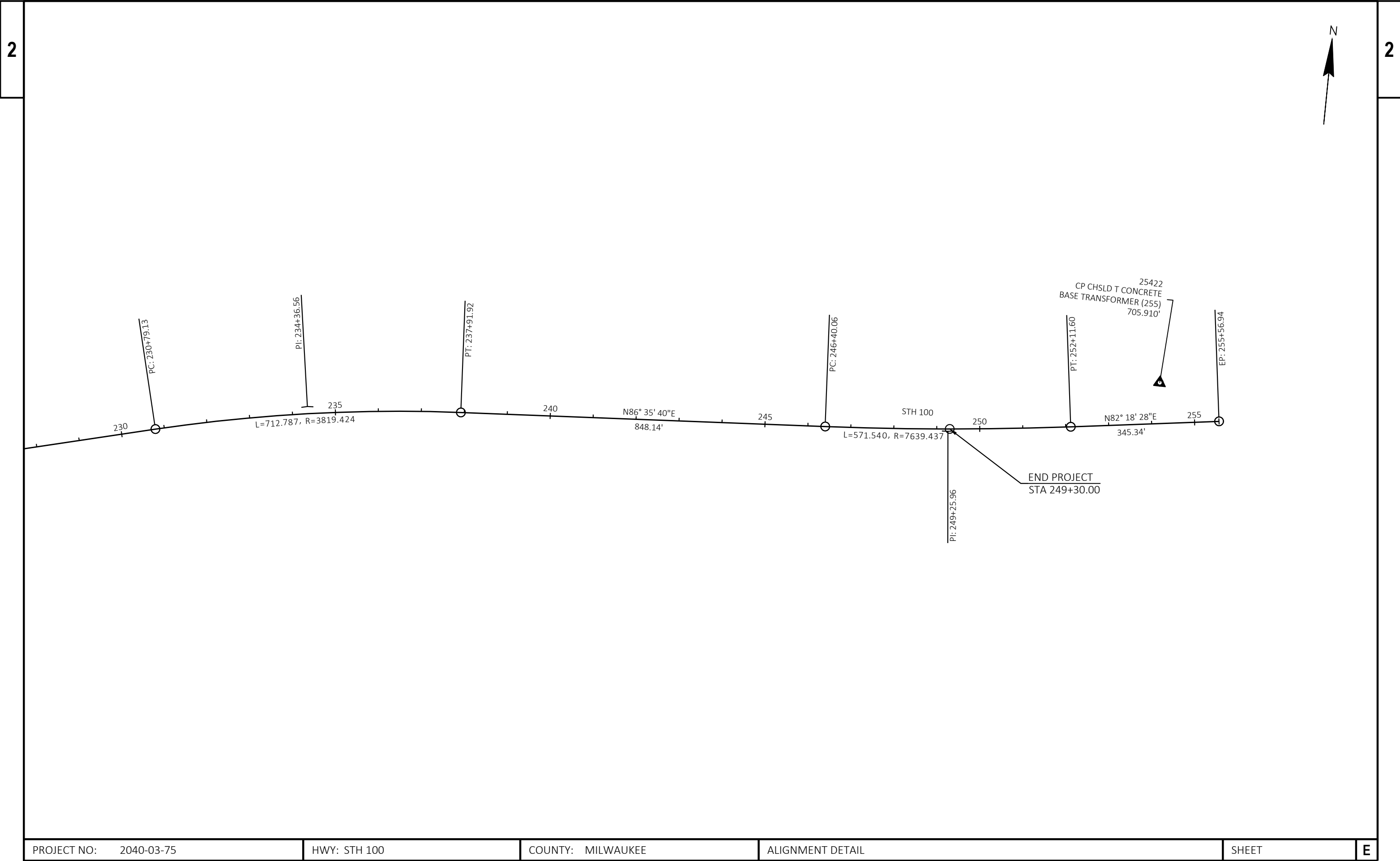
PROJECT NO: 2040-03-75	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAIL	SHEET	E
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PROJECT NO: 2040-03-75	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAIL	SHEET	E
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PROJECT NO: 2040-03-75	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAIL	SHEET	E
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PROJECT NO: 2040-03-75	HWY: STH 100	COUNTY: MILWAUKEE	ALIGNMENT DETAIL	SHEET	E
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REMOVING ASPHALTIC SURFACE				
				204.0125
MILLING				
LOCATION				TON
STH 100 EB				
	131+00	-	169+30	1,838
	173+10	-	248+00	3,595
STH 100 WB				
	131+00	-	169+30	1,710
	173+10	-	248+00	3,658
NICHOLSON RD INTERSECTION				212
PENNSYLVANIA AVE INTERSECTION				187
15TH AVE INTERSECTION				190
STH 100 LT TURN LANES				
	144+00			18
	148+00			23
	155+00			72
	163+00			66
	182+00			61
	190+00			59
	196+00			22
	202+00			23
	208+00			61
	217+00			68
	218+00			22
	224+00			23
	243+00			22
	249+00			24
STH 100 MEDIAN OPENINGS				
	145+75			34
	199+00			35
	221+00			39
	246+00			38
TOTAL				12,100

SAWING	
690.0150	
SAWING ASPHALT	
LOCATION	LF
STH 100 EB	
131+00	36
155+00	68
156+40	68
158+10	132
170+32	36
172+11	36
248+00	36
STH 100 WB	
133+75	36
160+05	132
162+20	68
163+75	68
170+23	36
172+03	36
249+30	36
NICHOLSON RD	
28+86	46
28+90	160
31+50	46
31+10	115
PENNSYLVANIA AVE	
38+96	48
41+17	48
15TH AVE	
48+84	47
51+05	47
TOTAL	
1,381	

BASE PATCHING	
390.0203	
BASE PATCHING ASPHALTIC	
LOCATION	SY
STH 100	
3% OF PAVEMENT AREA	3,045
STA 155+00 RT	27
STA 156+40 RT	27
STA 158+10 RT	63
STA 160+05 LT	63
STA 162+20 LT	27
STA 163+75 LT	27
NICHOLSON RD	
STA 28+90 RT	136
STA 31+10 LT	85
TOTAL	
3,500	

ASPHALTIC PAVEMENT ITEMS					
				460.6224	455.0605
				HMA PAVEMENT	TACK COAT
				4 MT 58-28 S	
LOCATION			TON		GAL
STH 100 EB					
	131+00	-	169+30	1,838	
	173+10	-	248+00	3,595	
STH 100 WB					
	131+00	-	169+30	1,710	
	173+10	-	248+00	3,658	
NICHOLSON RD INTERSECTION				212	
PENNSYLVANIA AVE INTERSECTION				187	
15TH AVE INTERSECTION				190	
STH 100 LEFT TURN LANES					
	144+00			18	
	148+00			23	
	155+00			72	
	163+00			66	
	182+00			61	
	190+00			59	
	196+00			22	
	202+00			23	
	208+00			61	
	217+00			68	
	218+00			22	
	224+00			23	
	243+00			22	
	249+00			24	
STH 100 MEDIAN OPENINGS					
	145+75			34	
	199+00			35	
	221+00			39	
	246+00			38	
STH 100 (PROJECT)					7,100
TOTAL				12,100	7,100

CAT 0010

BASE AGGREGATE			
305.0110 3/4-INCH DENSE TON			
LOCATION			
STH 100 EB SHOULDERS			
131+00	-	159+00	130
160+00	-	170+30	50
172+12	-	185+25	61
186+50	-	211+50	154
212+50	-	248+00	164
STH 100 WB SHOULDERS			
133+50	-	159+00	118
160+00	-	170+30	50
172+12	-	185+25	61
186+50	-	211+50	118
212+50	-	248+00	164
TOTAL			1,070

CONSTRUCTION STAKING		
650.8000 RESURFACING REFERENCE		
650.9910 SUPPLEMENTAL CONTROL (PROJECT)		
PROJECT	LF	LS
STH 100	11,830	1
TOTAL		
	11,830	1

WATER		
624.0100 WATER		
LOCATION	MGAL	REMARKS
STH 100 (PROJECT)	1	BASE AGGREGATE
TOTAL		
	1	

GUARDRAIL											
614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING				614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT		614.0400 ADJUSTING STEEL PLATE BEAM GUARD		614.0950 REPLACING GUARDRAIL POSTS AND BLOCKS		614.0951 REPLACING GUARDRAIL RAIL AND HARDWARE	
				614.0952 REPLACING GUARDRAIL REFLECTORS		SPV.001 REPLACING GUARDRAIL RAIL BOLTS		SPV.002 REPLACING END TERMINAL REFELCTIVE SHEETING AND MARKER POST			
DESCRIPTION	STATION	-	STATION	EA	SY	LF	EA	LF	EA	EA	EA
STH 100 WB	169+10		170+25	1	40	80	1	0	1	0	0
	172+00		173+00	1	75	80	3	0	1	0	1
	172+00		173+60	0	0	0	4	25	2	9	1
TOTAL				2	115	160	8	25	4	9	2

CAT 0010

INLET PROTECTION

628.7005

628.7015

DESCRIPTION	STATION	-	STATION	INLET PROTECTION	INLET PROTECTION
				TYPE A	TYPE C
				EA	EA
STH 100	129+75		253+25	8	85
TOTAL				8	85

MOBILIZATIONS EROSION CONTROL

628.1905

628.1910

	MOBILIZATIONS	MOBILIZATIONS
	EROSION CONTROL	EMERGENCY
	EA	EA
STH 100 EB	1	1
TOTAL	1	1

CAT 0010

LOCATION	PAVEMENT MARKING								
	GROOVED WET REFLECTIVE CONTRAST EPOXY		EPOXY 4-INCH			EPOXY 8-INCH		EPOXY 18-INCH	CURB EPOXY
	4-INCH WHITE SKIPS 646.1545 LF	8-INCH WHITE 646.3545 LF	WHITE 646.1020 LF	YELLOW 646.1020 LF	DOUBLE YELLOW 646.1020 LF	WHITE SKIPS 646.3020 LF	WHITE LINE 646.3020 LF	STOP LINE 646.6120 LF	YELLOW 646.8120 LF
STH 100 EAST BOUND									
STA 131+00 - STA 159+00	680	1,030	2,920	2,790		80		38	75
STA 160+00 - STA 185+25	630	860	2,500	2,500		100			25
STA 186+50 - STA 211+50	630	1,070	2,500	2,400		90			95
STA 212+50 - STA 249+30	1,000	320	4,000	3,100					190
WEST BOUND									
STA 131+00 - STA 159+00	680	130	2,500	2,350					100
STA 160+00 - STA 185+25	630	960	2,500	2,500		70		38	25
STA 186+50 - STA 211+50	630	1,050	2,500	2,400		75			95
STA 212+50 - STA 249+30	1,000	1,250	4,000	3,100		80			150
NICHOLSON RD			280		400		200	50	
PENNSYLVANIA AVE			340		540		270	70	
15TH AVE			300		540		270	70	
SUBTOTALS	5,880	6,670	24,340	21,140	1,480	495	740	266	755
TOTAL	5,880	6,670		46,960			1,235	266	755

LOCATION		PAVEMENT MARKING SYMBOLS	
		EPOXY WORD 646.5120 EACH	EPOXY ARROW 646.5020 EACH
STH 100			
EAST BOUND			
	STA 155+20 RT		1
	STA 157+31 RT		1
	STA 157+90 RT	1	
	STA 158+32 RT		1
	STA 158+41 RT		1
	STA 182+20 RT		1
	STA 183+40 RT		1
	STA 184+40 RT	1	
	STA 184+50 RT	1	
	STA 184+83 RT		1
	STA 184+93 RT		1
	STA 208+02 RT		1
	STA 209+58 RT		1
	STA 210+58 RT	1	
	STA 210+72 RT	1	
	STA 210+99 RT		1
	STA 211+13 RT		1
WEST BOUND			
	STA 160+21 LT		1
	STA 160+39 LT		1
	STA 160+80 LT	1	
	STA 161+53 LT		1
	STA 163+76 LT		1
	STA 186+70 LT		1
	STA 186+86 LT		1
	STA 187+11 LT	1	
	STA 187+26 LT	1	
	STA 188+24 LT		1
	STA 189+85 LT		1
	STA 212+99 LT		1
	STA 213+05 LT		1
	STA 213+43 LT	1	
	STA 213+46 LT	1	
	STA 214+56 LT		1
	STA 215+93 LT		1
NICHOLSON RD			
	STA 28+32 RT		2
	STA 29+04 RT		2
	STA 31+46 LT		2
PENNSYLVANIA AVE			
	STA 38+31 RT		2
	STA 39+04 RT		2
	STA 40+95 LT		2
	STA 41+76 LT		2
15TH AVE			
	STA 48+30 RT		2
	STA 49+10 RT		2
	STA 50+98 LT		2
	STA 51+78 LT		2
TOTAL		10	46

CAT 0010