

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5992-10-74		
5992-10-75		

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C MADISON, S. HIGH POINT RD EXT (RAYMOND RD TO MIDTOWN PLAT LIMIT)

LOCAL STREET DANE COUNTY

**PRE-PS&E Submittal
01/30/2026**

ORDER OF SHEETS

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

TOTAL SHEETS =



STATE PROJECT NUMBER	STATE PROJECT NUMBER
5992-10-74	5992-10-75
ROADWAY	LOCAL UTILITIES

DESIGN DESIGNATION 5992-10-74

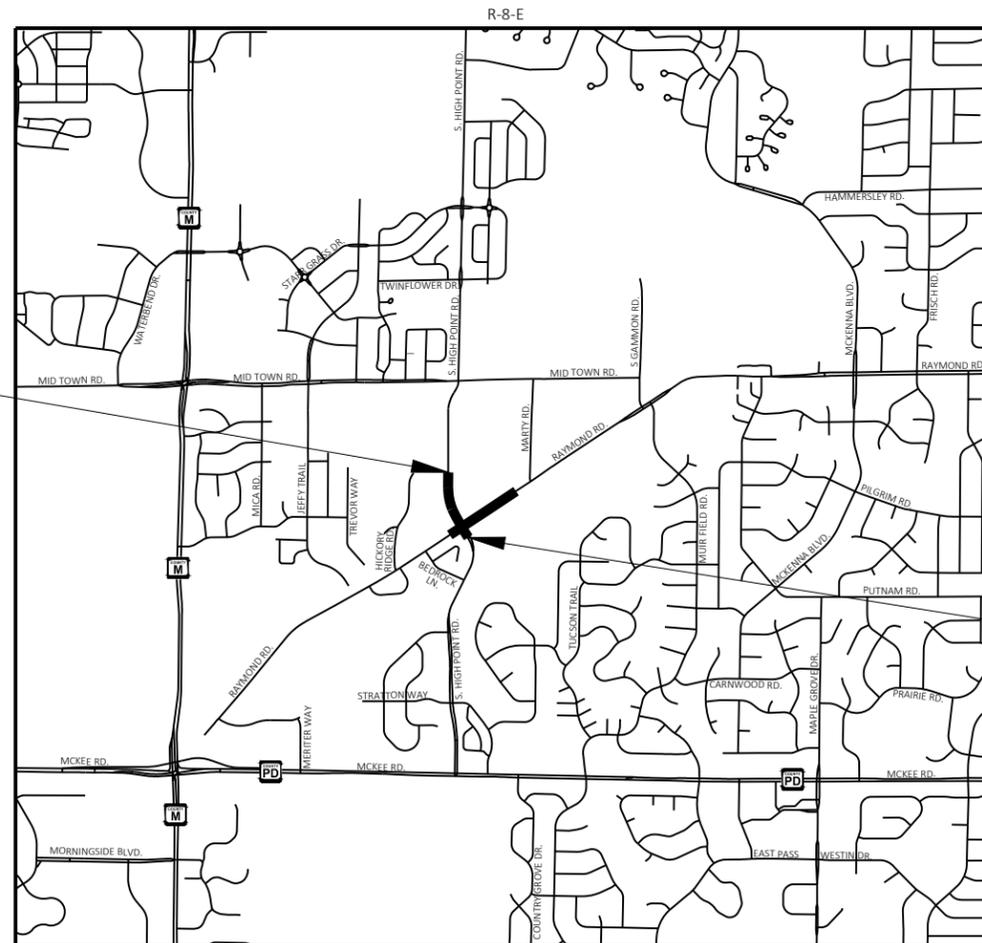
A.A.D.T. (2027)	=	4,400
A.A.D.T. (2047)	=	6,550
D.H.V.	=	5.4
D.D.	=	58/42
T.	=	5.4
DESIGN SPEED	=	35 MPH
ESALS	=	613,000

END PROJECT 5992-10-74
STA. 100+34.60 'HP'
Y = 465,816.043
X = 785,154.858

BEGIN PROJECT 5992-10-74
STA. 88+20.59 'SB'
Y = 464,840.485
X = 785,435.957

CONVENTIONAL SYMBOLS

<p>PLAN</p> <p>CORPORATE LIMITS </p> <p>PROPERTY LINE </p> <p>LOT LINE </p> <p>LIMITED HIGHWAY EASEMENT </p> <p>EXISTING RIGHT OF WAY </p> <p>PROPOSED OR NEW R/W LINE </p> <p>SLOPE INTERCEPT </p> <p>REFERENCE LINE </p> <p>EXISTING CULVERT </p> <p>PROPOSED CULVERT (Box or Pipe) </p> <p>COMBUSTIBLE FLUIDS </p> <p>MARSH AREA </p> <p>WOODED OR SHRUB AREA </p>	<p>PROFILE</p> <p>GRADE LINE </p> <p>ORIGINAL GROUND </p> <p>MARSH OR ROCK PROFILE (To be noted as such) </p> <p>SPECIAL DITCH </p> <p>GRADE ELEVATION </p> <p>CULVERT (Profile View) </p> <p>UTILITIES</p> <p>ELECTRIC </p> <p>FIBER OPTIC </p> <p>GAS </p> <p>SANITARY SEWER </p> <p>STORM SEWER </p> <p>TELEPHONE </p> <p>WATER </p> <p>UTILITY PEDESTAL </p> <p>POWER POLE </p> <p>TELEPHONE POLE </p>
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LAYOUT
 SCALE 0 0.5 MILE
 TOTAL NET LENGTH OF CENTERLINE = 0.188 MILE

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY, NAD83 (2011R), 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 18.

ACCEPTED FOR
CITY OF MADISON

(Date) (City Engineer)

STREET PROJECT APPROVED
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

ORIGINAL PLANS PREPARED BY

1702 Pankratz Street, Madison, WI 53704
608-242-7779 1-800-446-0679 Fax: 608-242-5664

DATE: _____ (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY _____ MSA PROFESSIONAL SERVICES, INC.
 Designer _____ MSA PROFESSIONAL SERVICES, INC.
 Project Manager _____ ZACHARY PEARSON
 Regional Examiner _____ SW REGION
 Regional Supervisor _____ KYLE HEMP

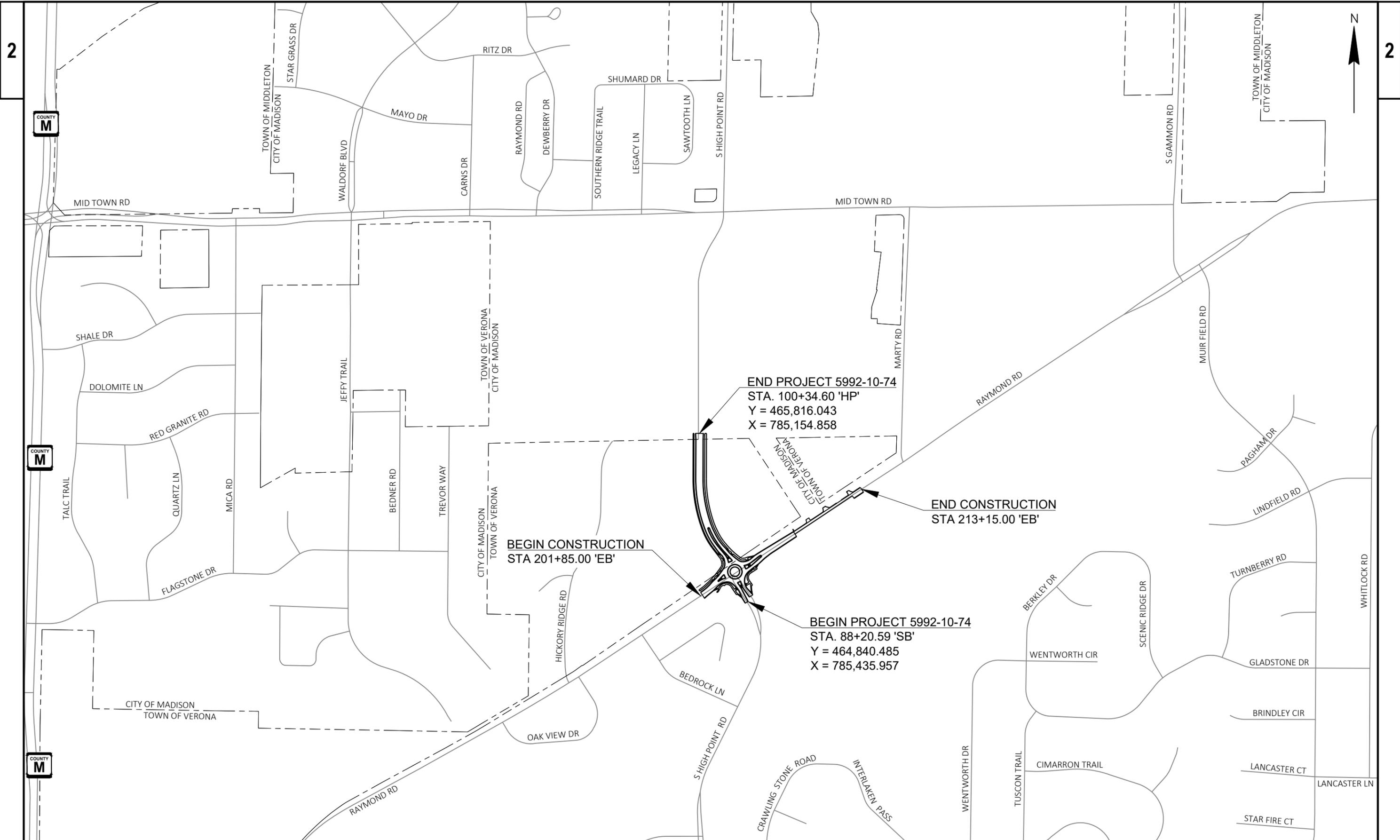
APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

1 of 175 **E**

PROJECT ID: 5992-10-74/5992-10-75 WITH: NA

COUNTY: DANE



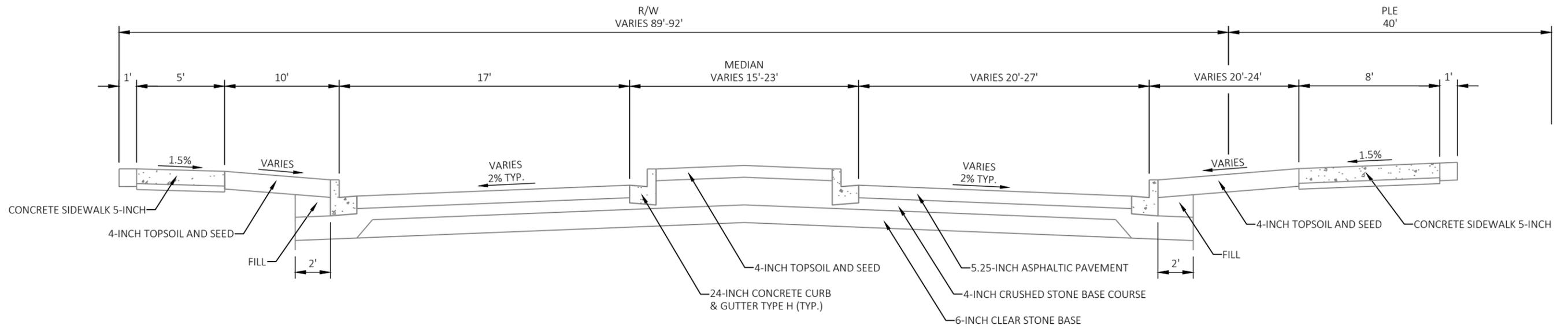
PROJECT NO: 5992-10-74

HWY: S. HIGH POINT ROAD

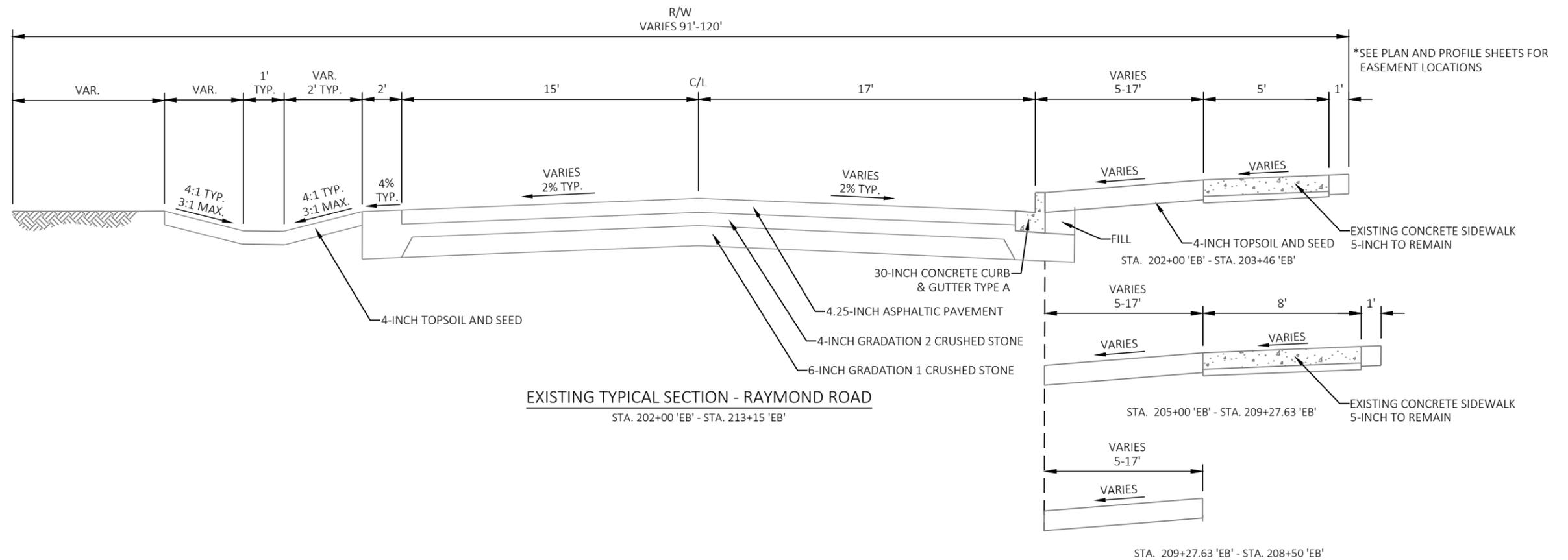
COUNTY: DANE

PROJECT OVERVIEW

SHEET 3 of 175 E



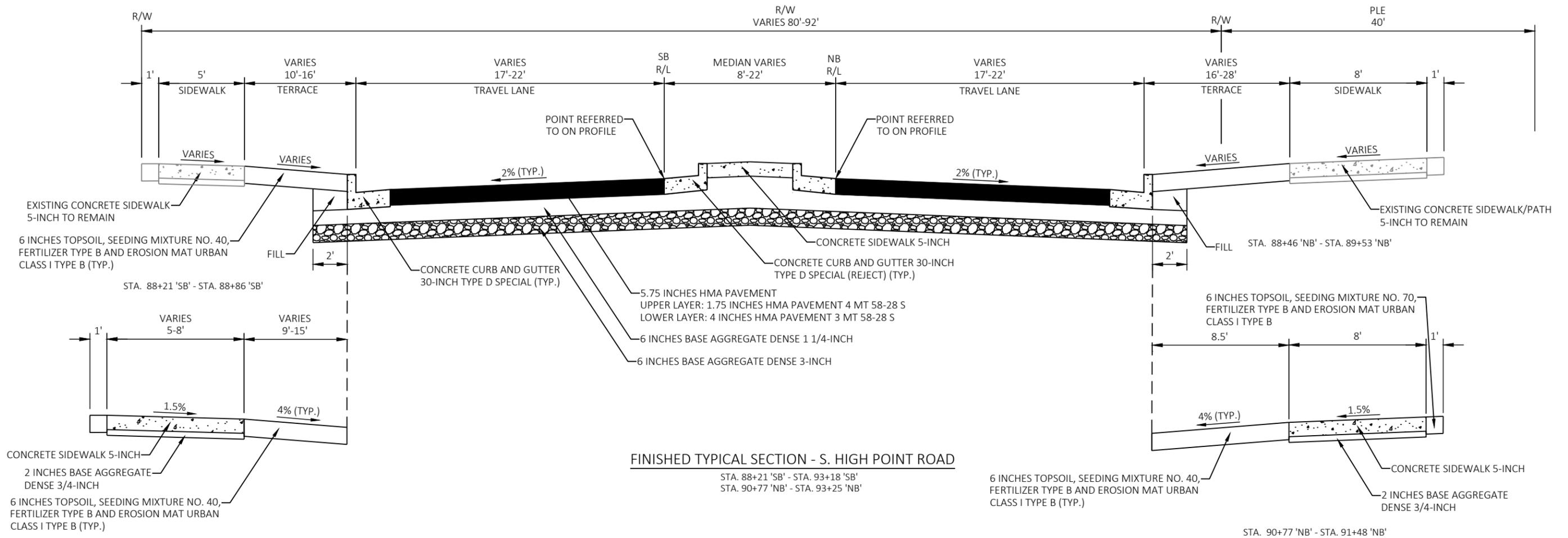
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 STA. 88+20.59 'SB' - STA. 89+70 'SB'



EXISTING TYPICAL SECTION - RAYMOND ROAD
 STA. 202+00 'EB' - STA. 213+15 'EB'

2

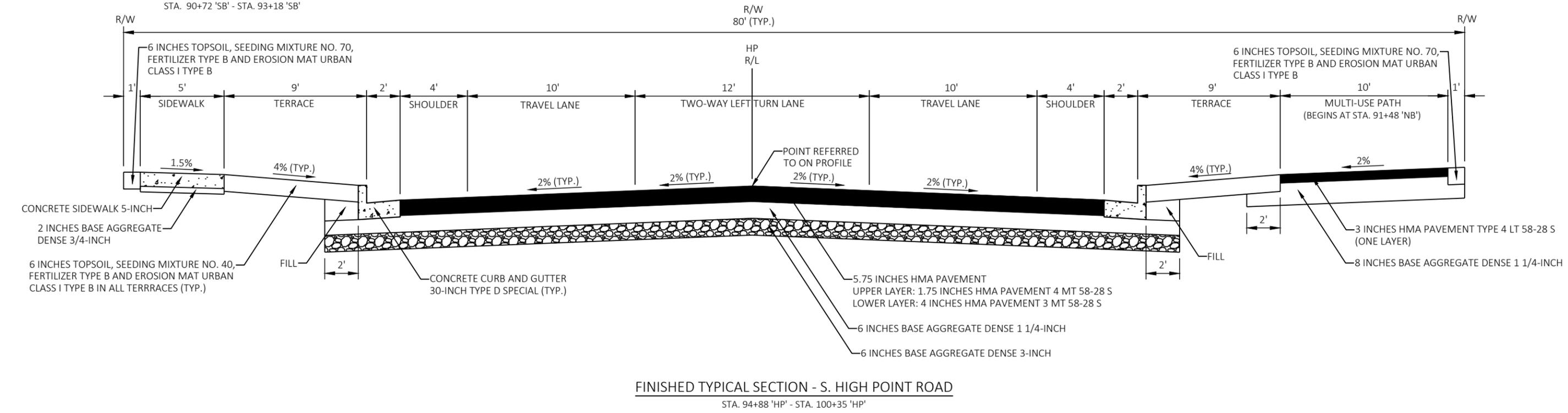
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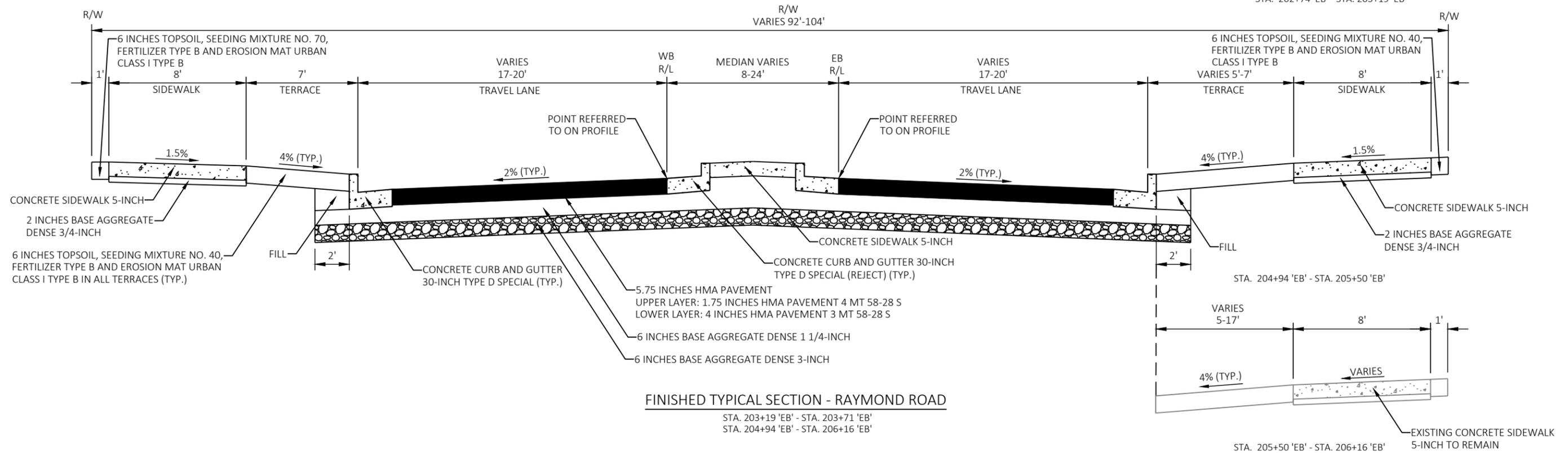
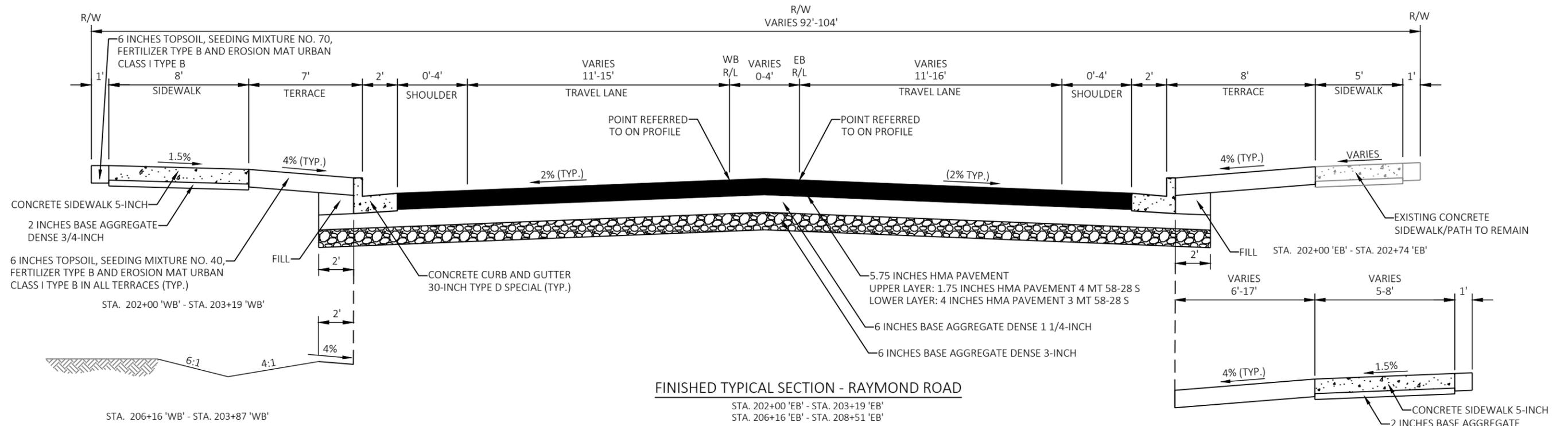


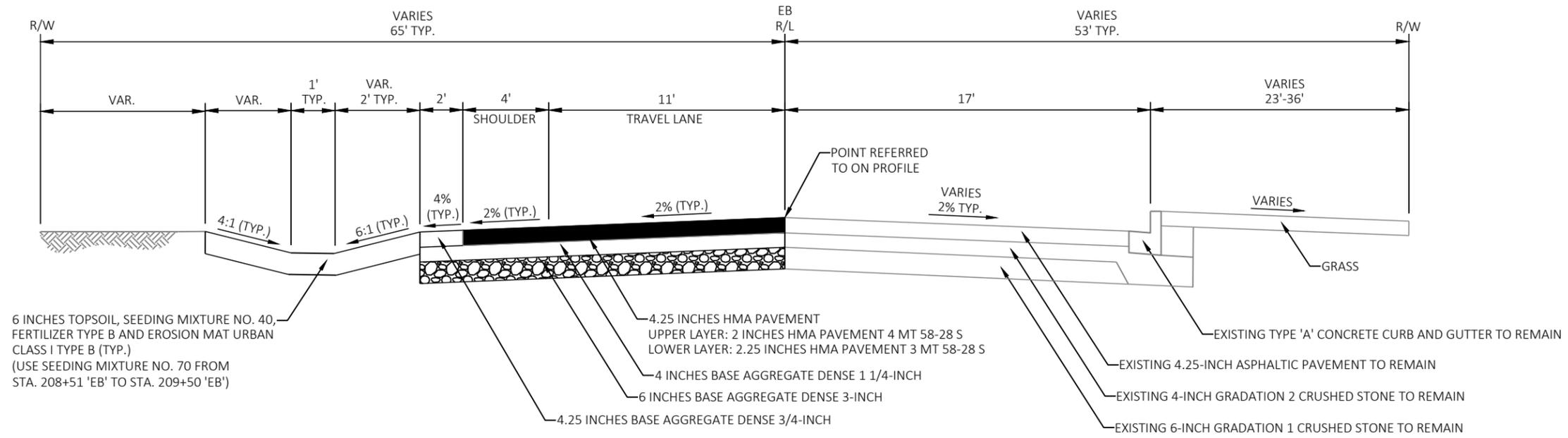
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FINISHED TYPICAL SECTION - S. HIGH POINT ROAD

STA. 94+88 'HP' - STA. 100+35 'HP'

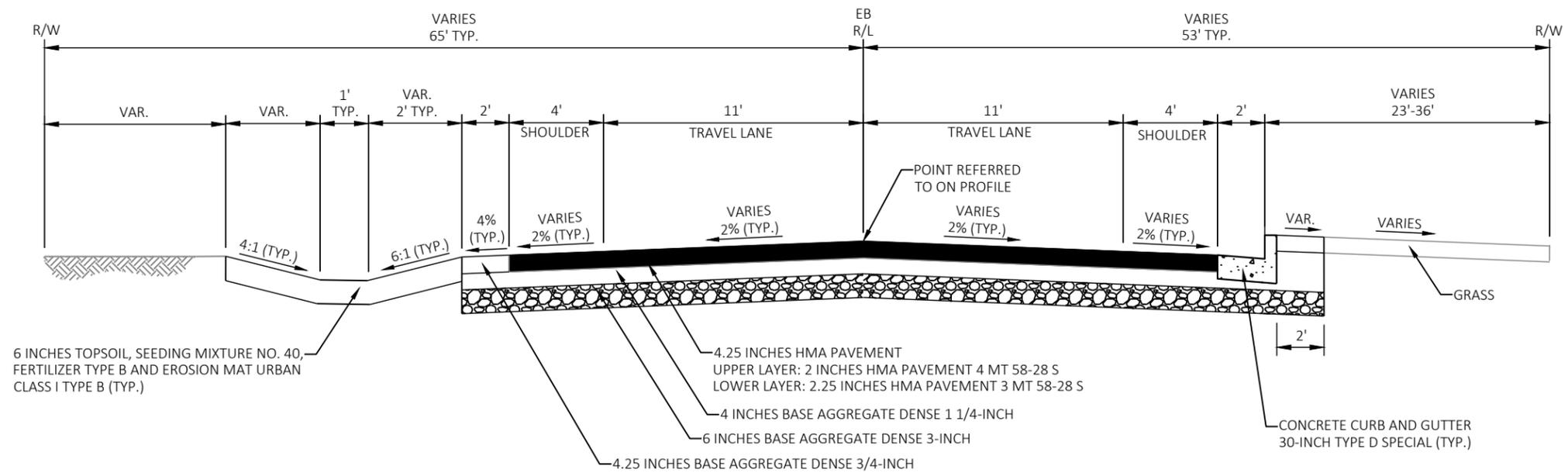






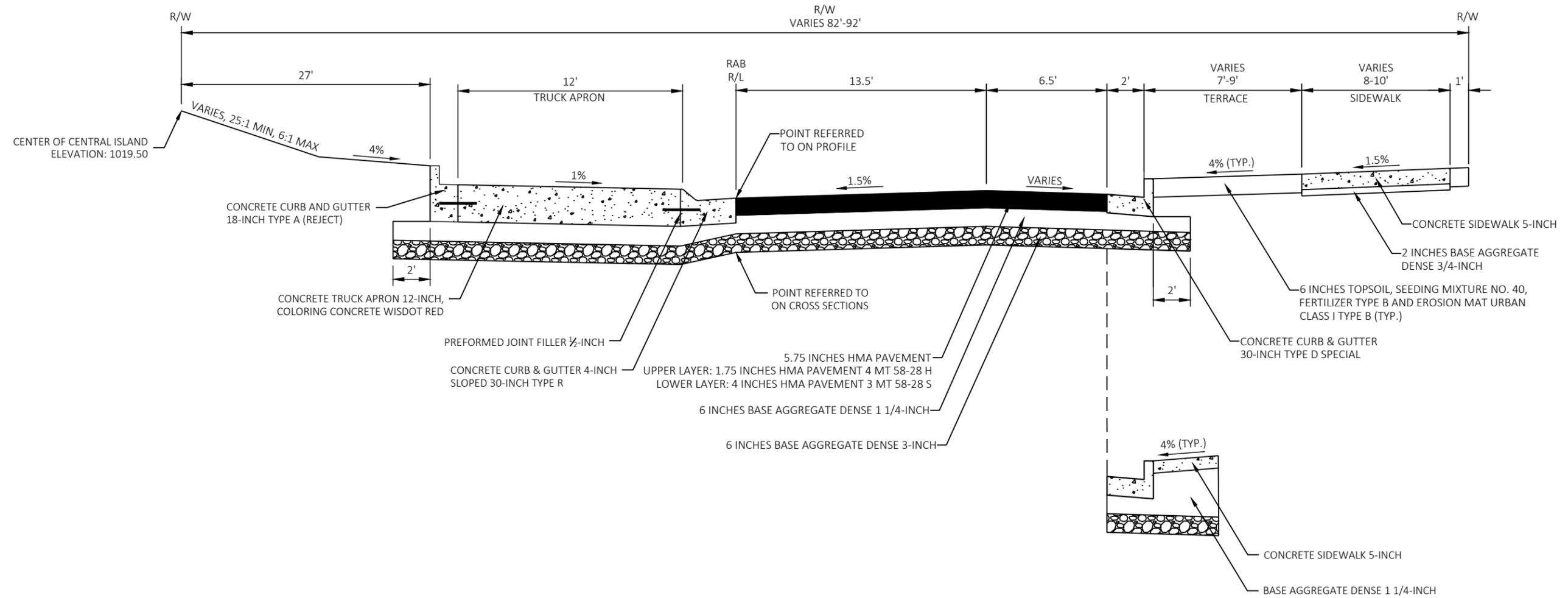
FINISHED TYPICAL SECTION - RAYMOND ROAD

STA. 208+51 'EB' - STA. 212+49 'EB'



FINISHED TYPICAL SECTION - RAYMOND ROAD

STA. 212+49 'EB' - STA. 213+15 'EB'



FINISHED TYPICAL SECTION - ROUNDABOUT

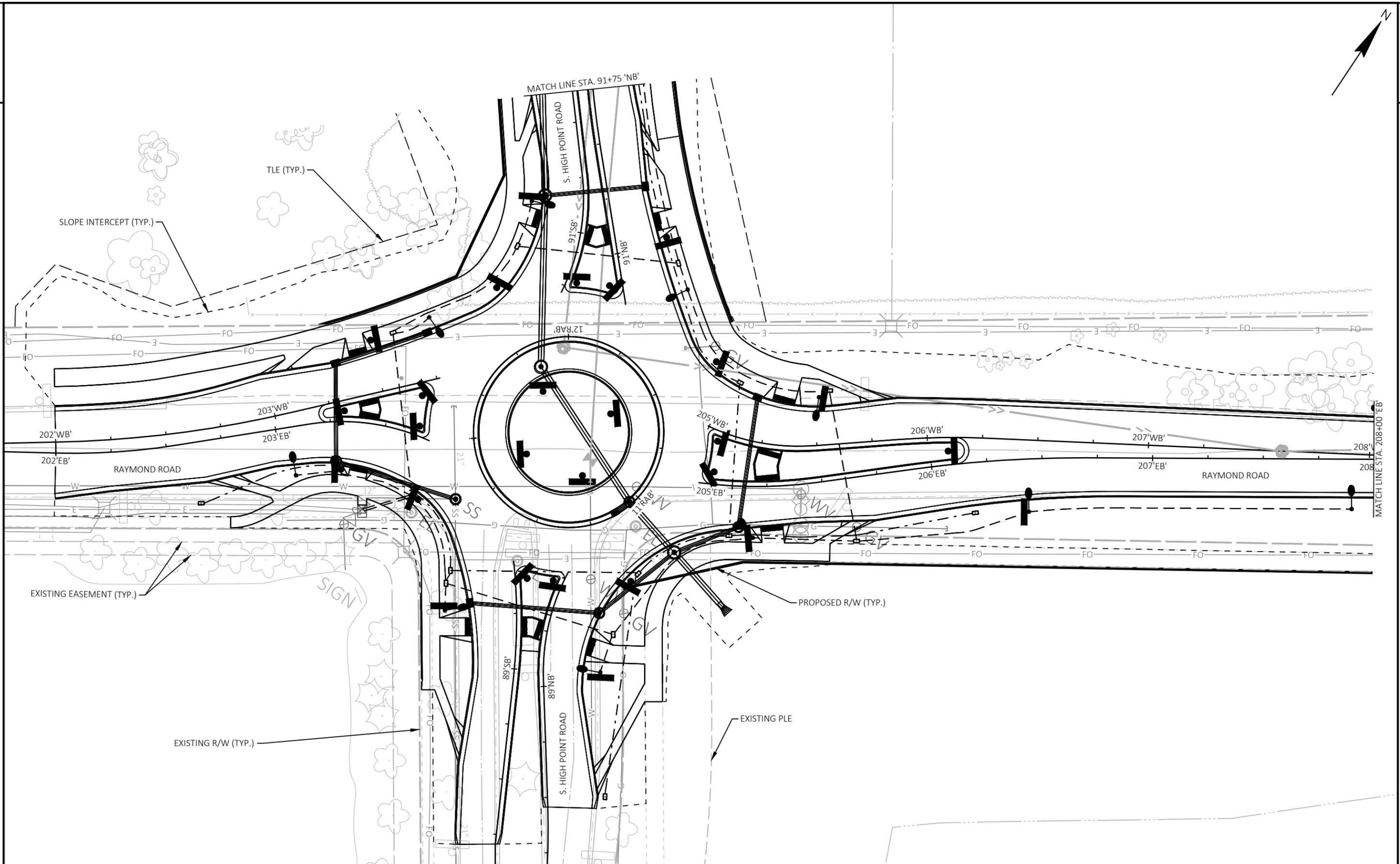
STA. 10+00 'RAB' - STA. 12+70 'RAB'

STA. 10+50 'RAB' - STA. 10+65 'RAB'

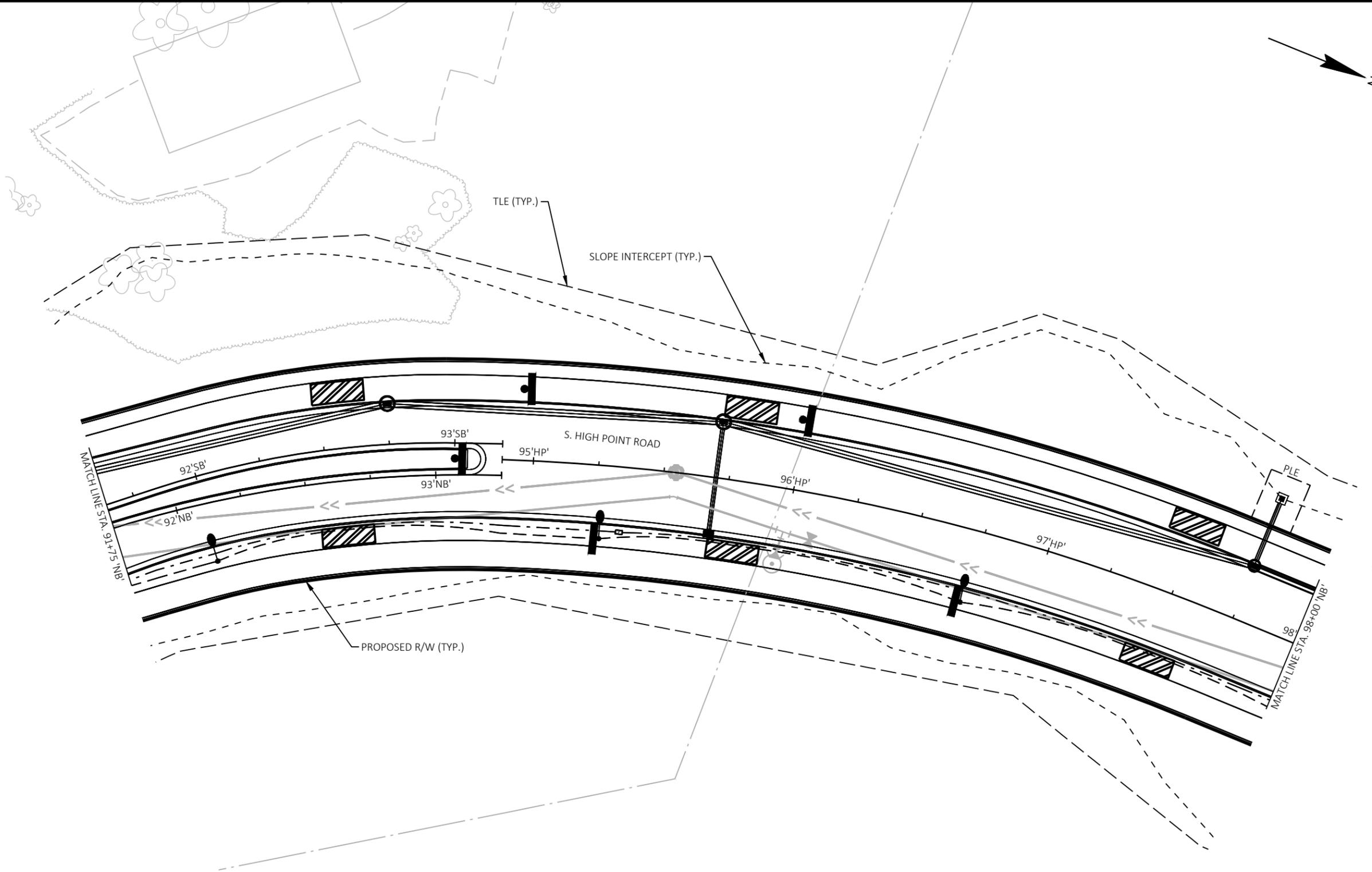
STA. 11+15 'RAB' - STA. 11+35 'RAB'

STA. 11+80 'RAB' - STA. 12+00 'RAB'

STA. 12+50 'RAB' - STA. 12+70 'RAB'

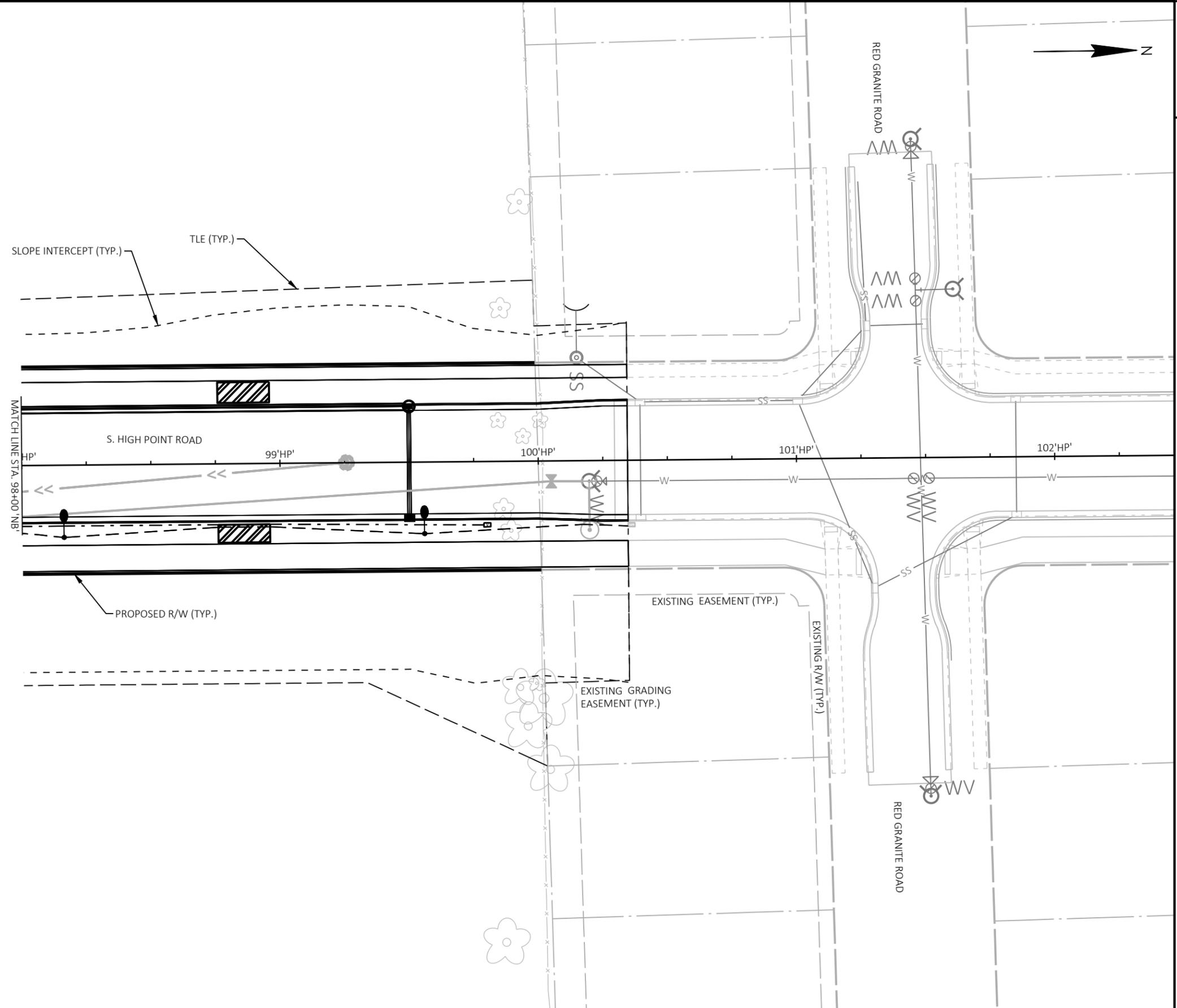


PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	OVERVIEW DETAILS	SHEET 42 of 175	E
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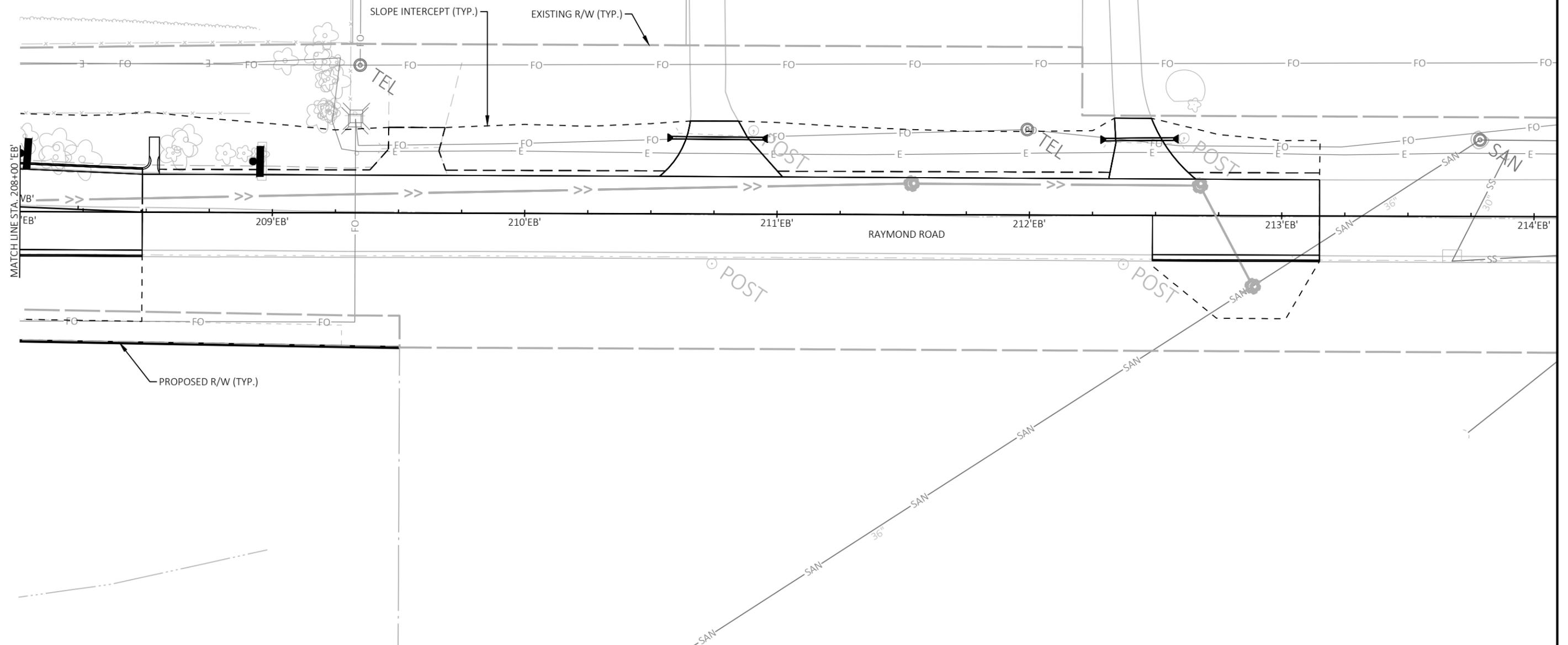


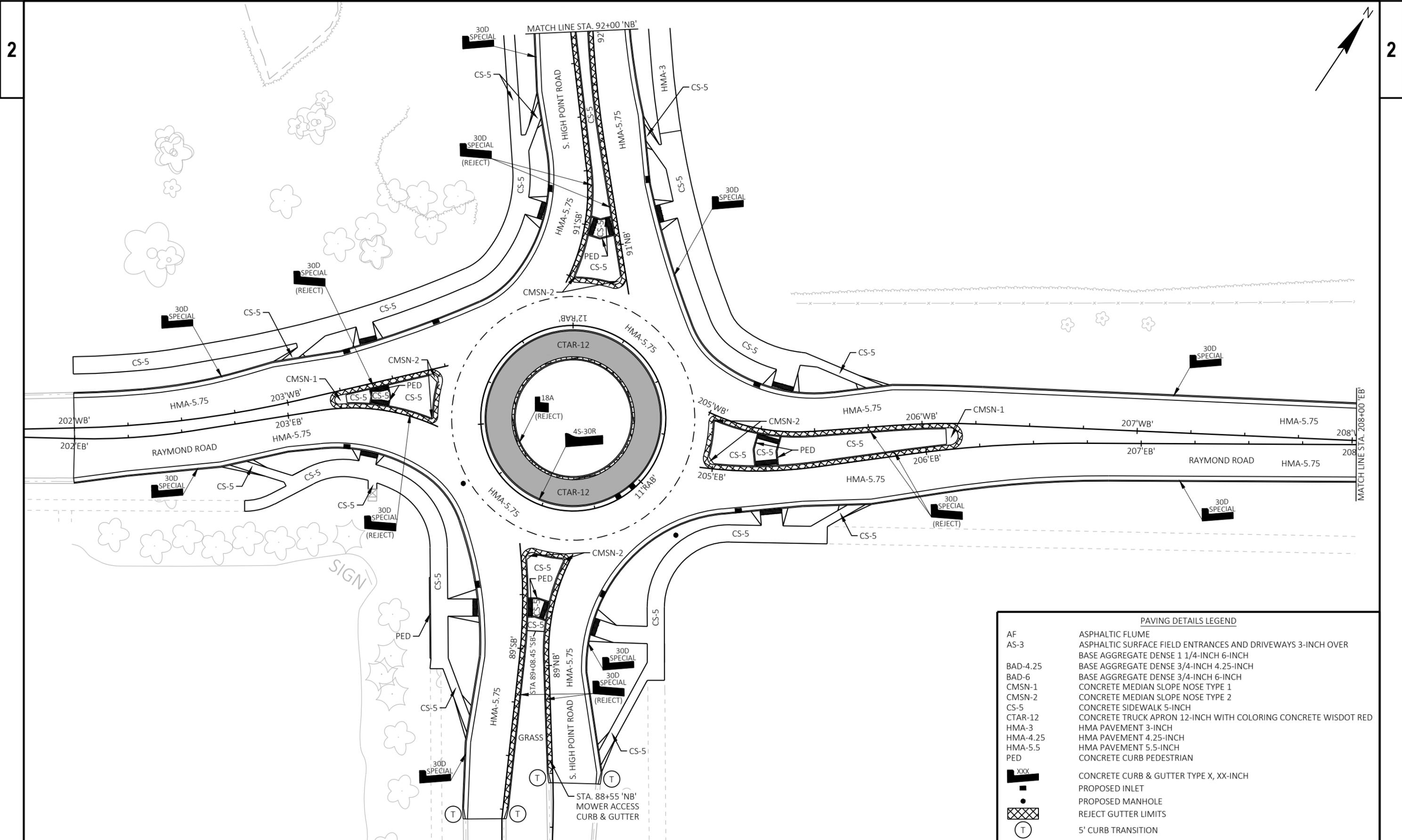
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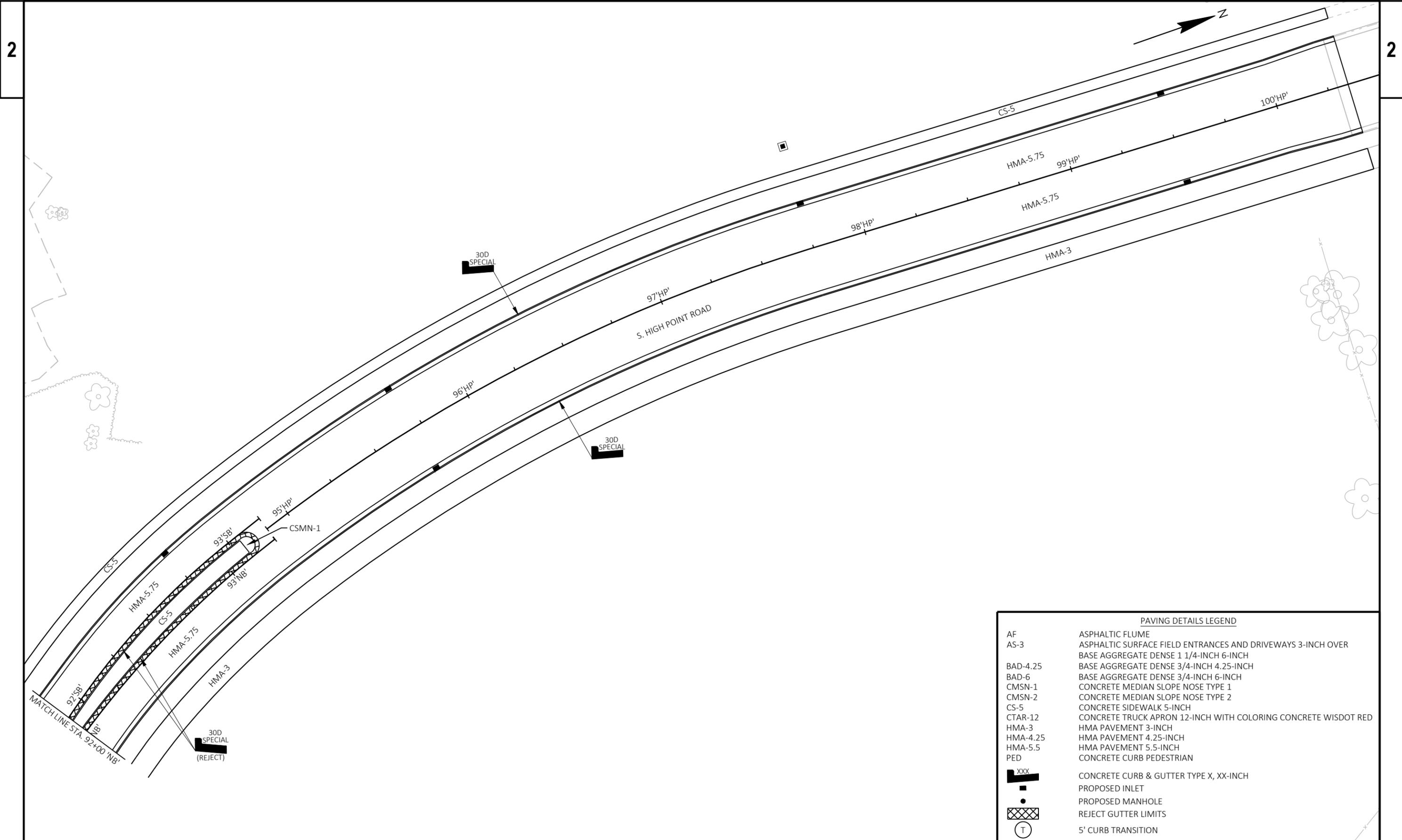


PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	OVERVIEW DETAILS	SHEET 44 of 175	E
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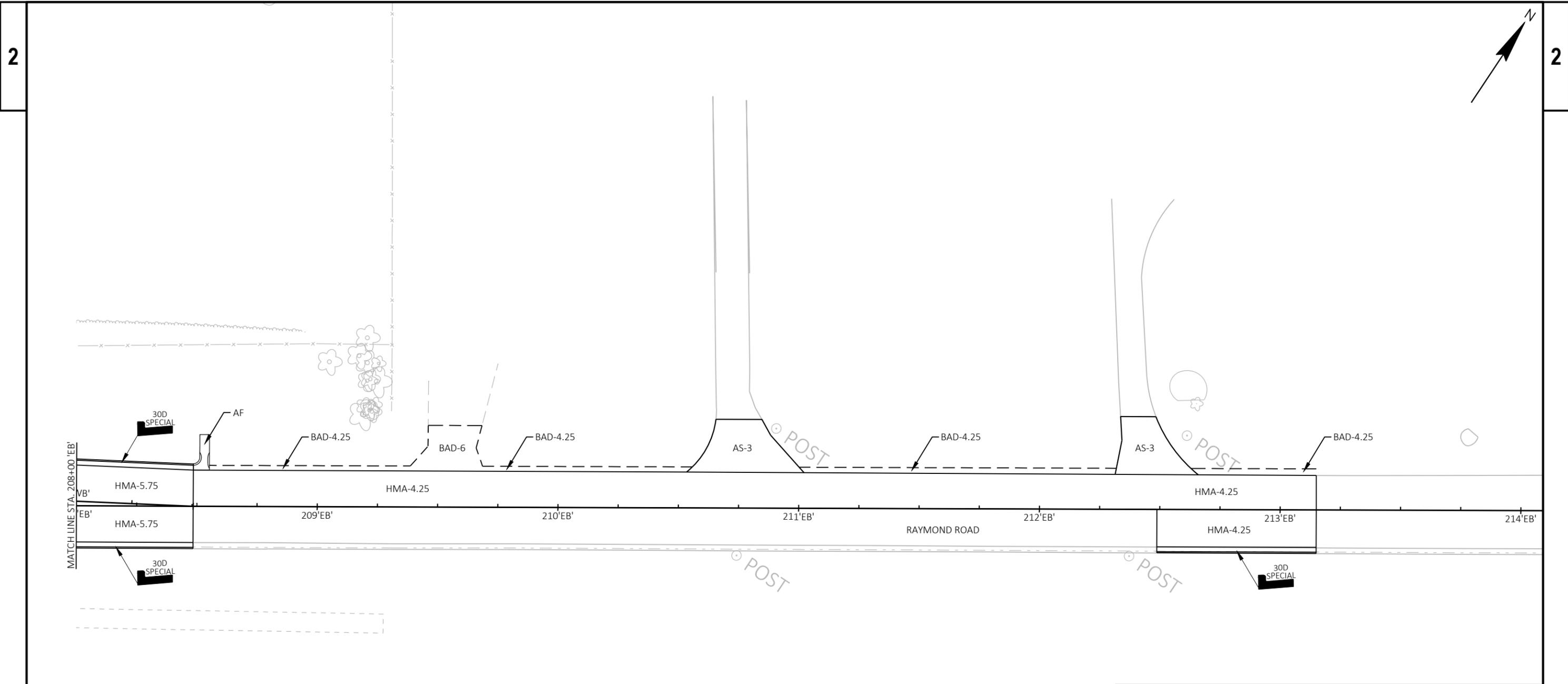




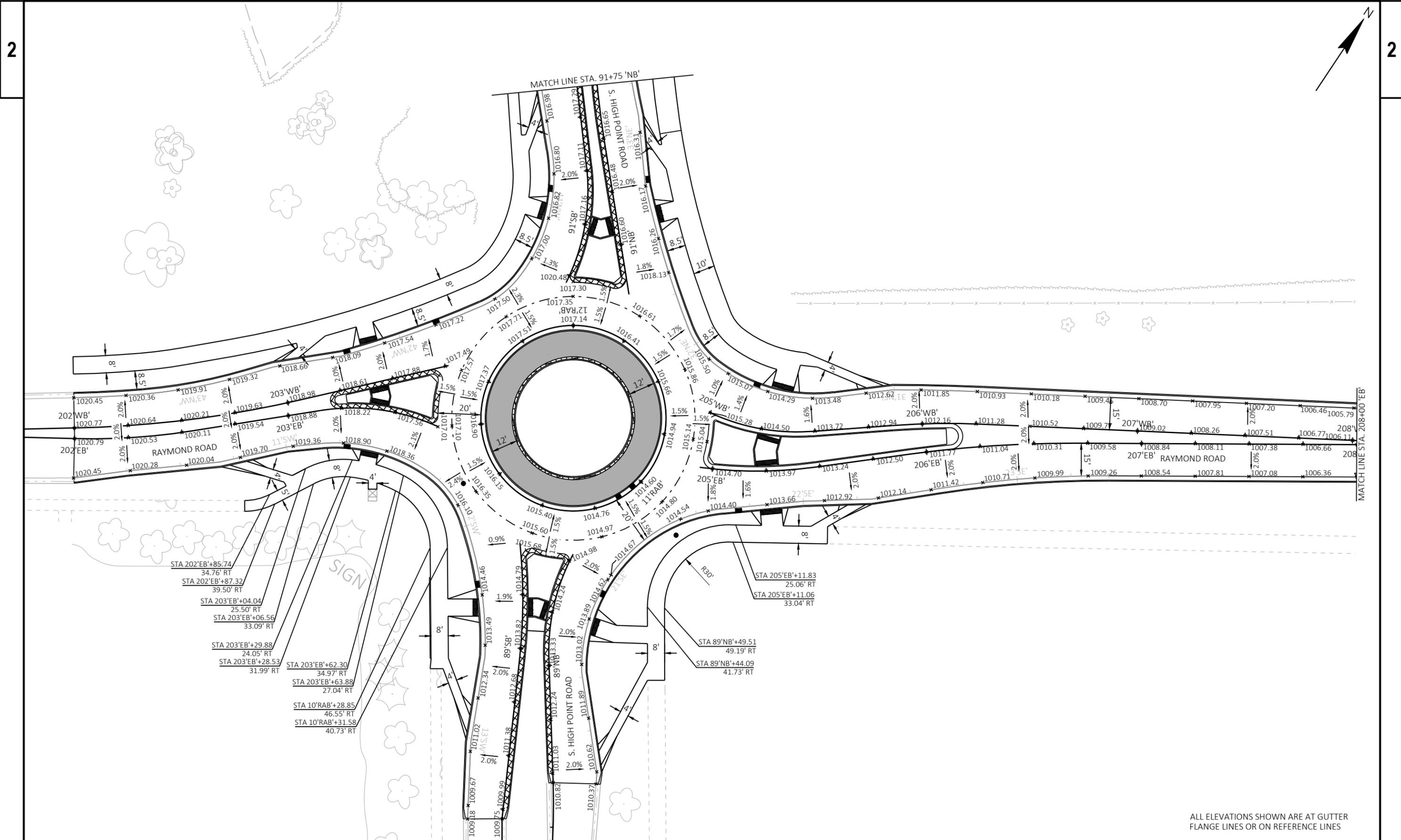
PAVING DETAILS LEGEND	
AF	ASPHALTIC FLUME
AS-3	ASPHALTIC SURFACE FIELD ENTRANCES AND DRIVEWAYS 3-INCH OVER
BAD-4.25	BASE AGGREGATE DENSE 1 1/4-INCH 6-INCH
BAD-6	BASE AGGREGATE DENSE 3/4-INCH 4.25-INCH
CMSN-1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN-2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
CS-5	CONCRETE SIDEWALK 5-INCH
CTAR-12	CONCRETE TRUCK APRON 12-INCH WITH COLORING CONCRETE WISDOT RED
HMA-3	HMA PAVEMENT 3-INCH
HMA-4.25	HMA PAVEMENT 4.25-INCH
HMA-5.5	HMA PAVEMENT 5.5-INCH
PED	CONCRETE CURB PEDESTRIAN
XXX	CONCRETE CURB & GUTTER TYPE X, XX-INCH
•	PROPOSED INLET
○	PROPOSED MANHOLE
⊗	REJECT GUTTER LIMITS
T	5' CURB TRANSITION



PAVING DETAILS LEGEND	
AF	ASPHALTIC FLUME
AS-3	ASPHALTIC SURFACE FIELD ENTRANCES AND DRIVEWAYS 3-INCH OVER
BAD-4.25	BASE AGGREGATE DENSE 1 1/4-INCH 6-INCH
BAD-6	BASE AGGREGATE DENSE 3/4-INCH 4.25-INCH
CMSN-1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN-2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
CS-5	CONCRETE SIDEWALK 5-INCH
CTAR-12	CONCRETE TRUCK APRON 12-INCH WITH COLORING CONCRETE WISDOT RED
HMA-3	HMA PAVEMENT 3-INCH
HMA-4.25	HMA PAVEMENT 4.25-INCH
HMA-5.5	HMA PAVEMENT 5.5-INCH
PED	CONCRETE CURB PEDESTRIAN
XXX	CONCRETE CURB & GUTTER TYPE X, XX-INCH
■	PROPOSED INLET
●	PROPOSED MANHOLE
⊗	REJECT GUTTER LIMITS
T	5' CURB TRANSITION



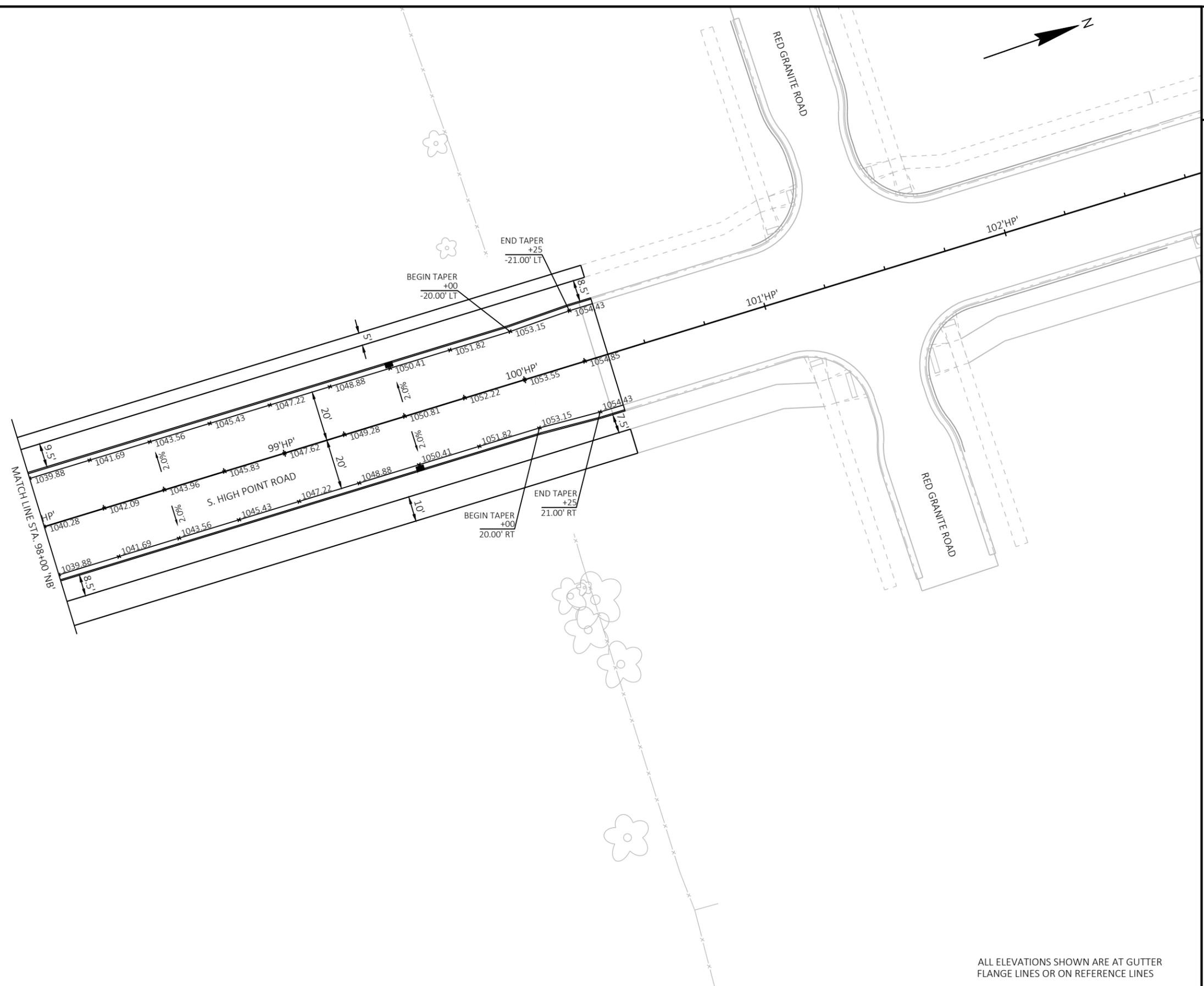
PAVING DETAILS LEGEND	
AF	ASPHALTIC FLUME
AS-3	ASPHALTIC SURFACE FIELD ENTRANCES AND DRIVEWAYS 3-INCH OVER BASE AGGREGATE DENSE 1 1/4-INCH 6-INCH
BAD-4.25	BASE AGGREGATE DENSE 3/4-INCH 4.25-INCH
BAD-6	BASE AGGREGATE DENSE 3/4-INCH 6-INCH
CMSN-1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN-2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
CS-5	CONCRETE SIDEWALK 5-INCH
CTAR-12	CONCRETE TRUCK APRON 12-INCH WITH COLORING CONCRETE WISDOT RED
HMA-3	HMA PAVEMENT 3-INCH
HMA-4.25	HMA PAVEMENT 4.25-INCH
HMA-5.5	HMA PAVEMENT 5.5-INCH
PED	CONCRETE CURB PEDESTRIAN
XXX	CONCRETE CURB & GUTTER TYPE X, XX-INCH
■	PROPOSED INLET
●	PROPOSED MANHOLE
⊗	REJECT GUTTER LIMITS
T	5' CURB TRANSITION



ALL ELEVATIONS SHOWN ARE AT GUTTER FLANGE LINES OR ON REFERENCE LINES

2

2

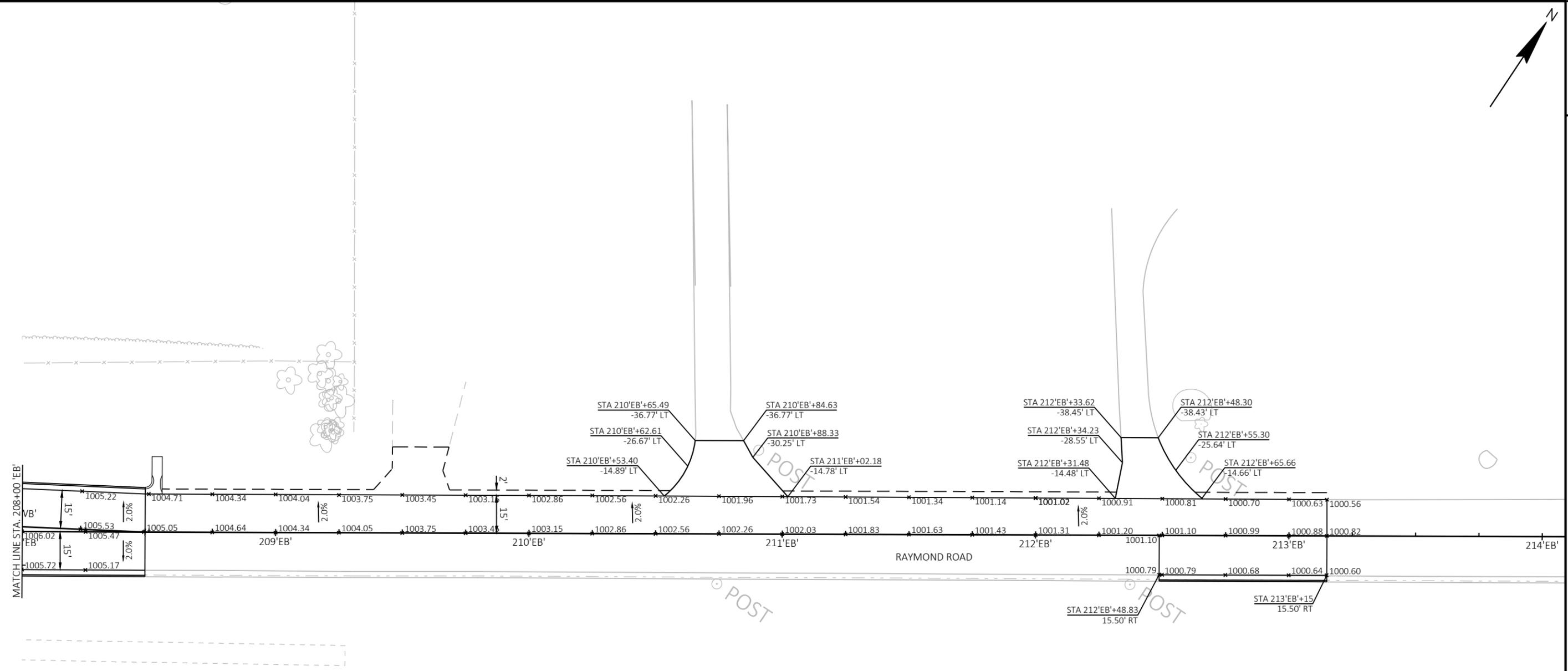
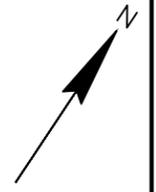


ALL ELEVATIONS SHOWN ARE AT GUTTER FLANGE LINES OR ON REFERENCE LINES

PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	PAVING DETAILS	SHEET 54 of 175	E
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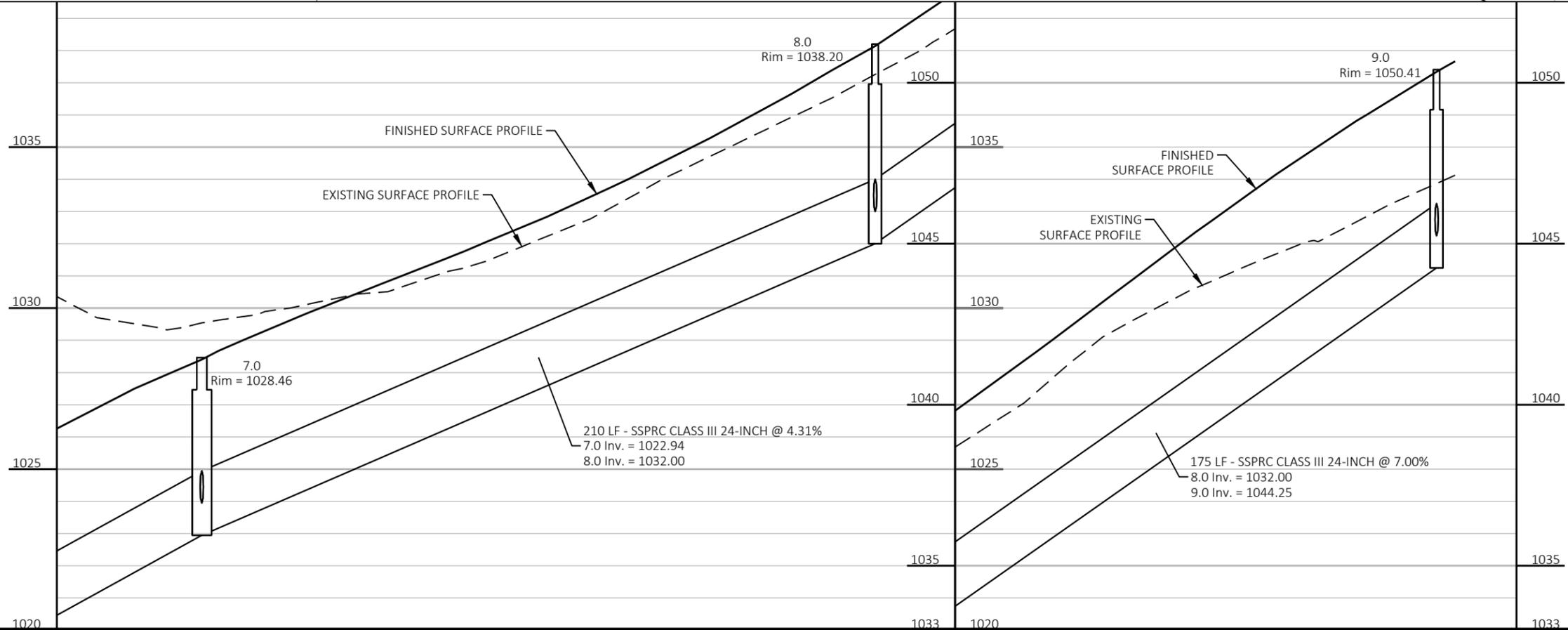
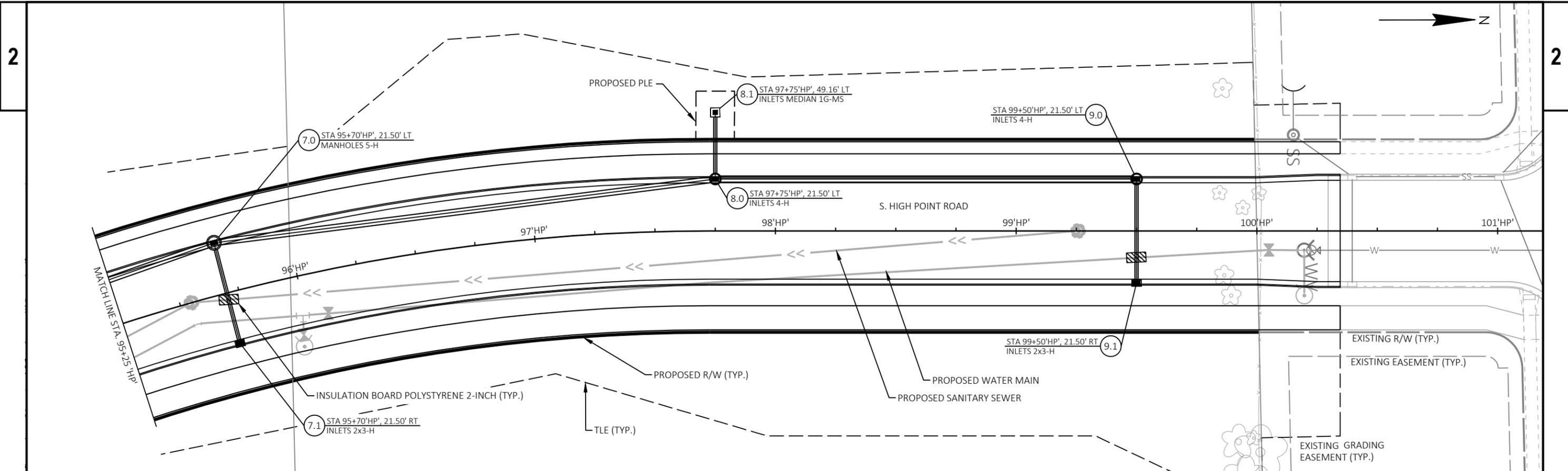
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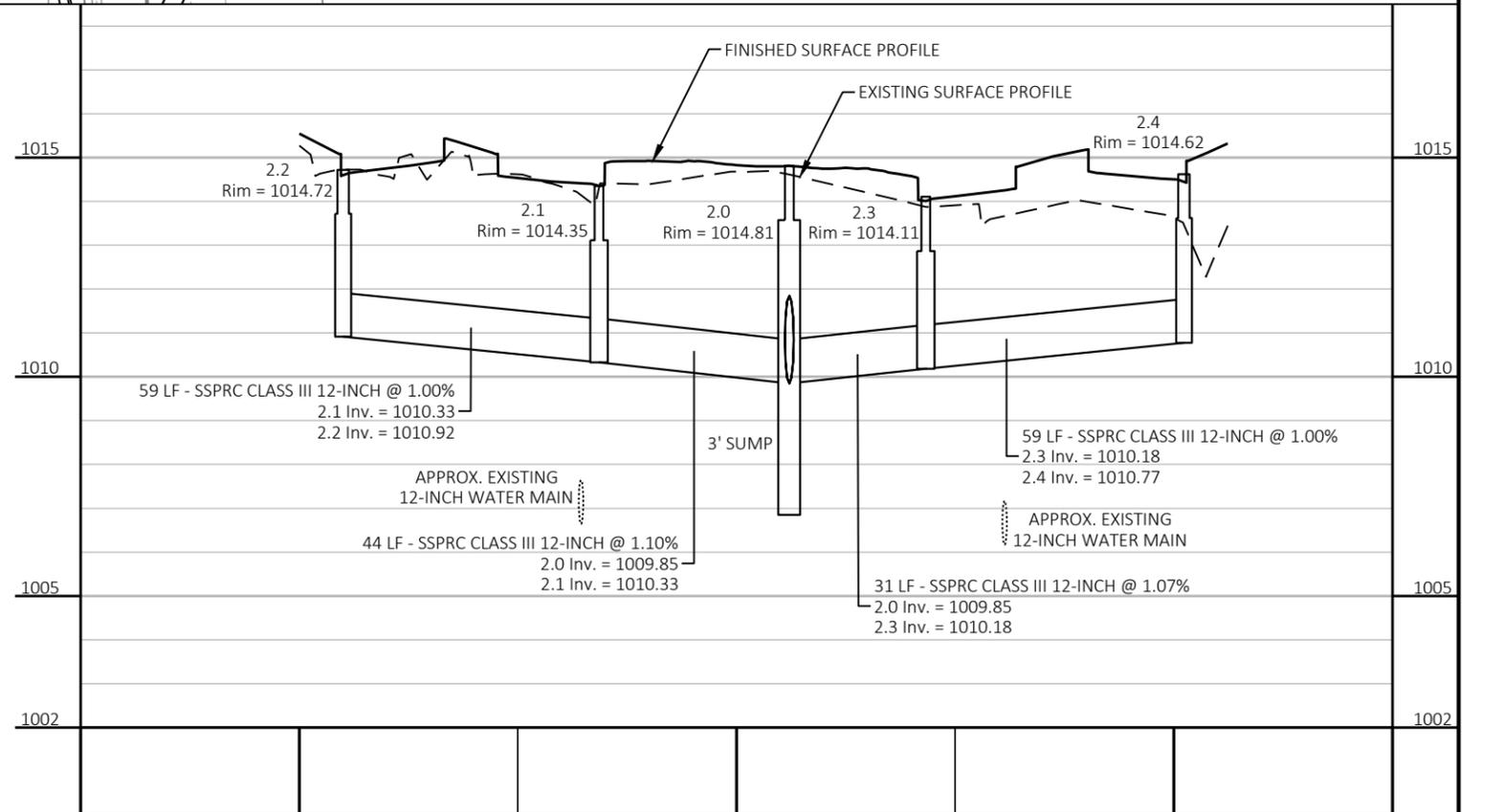
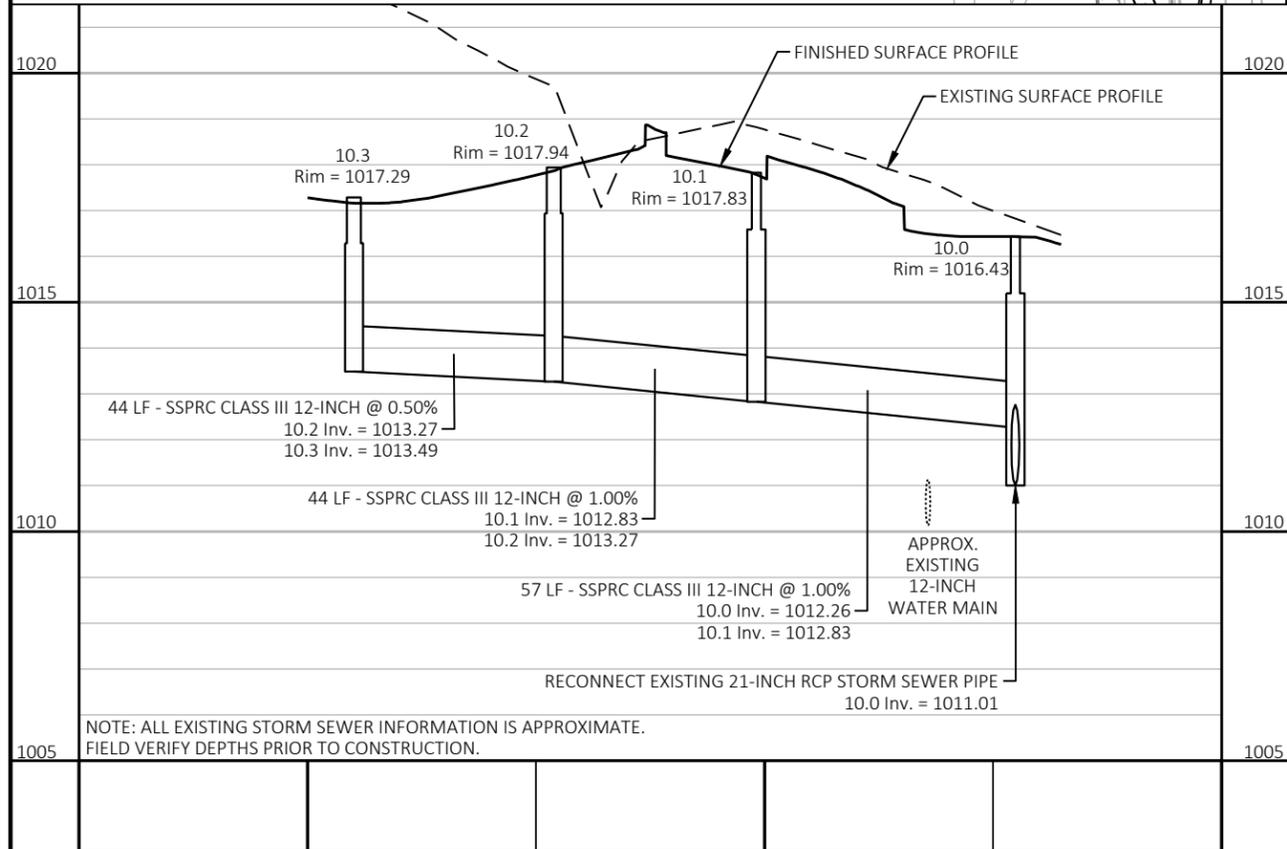
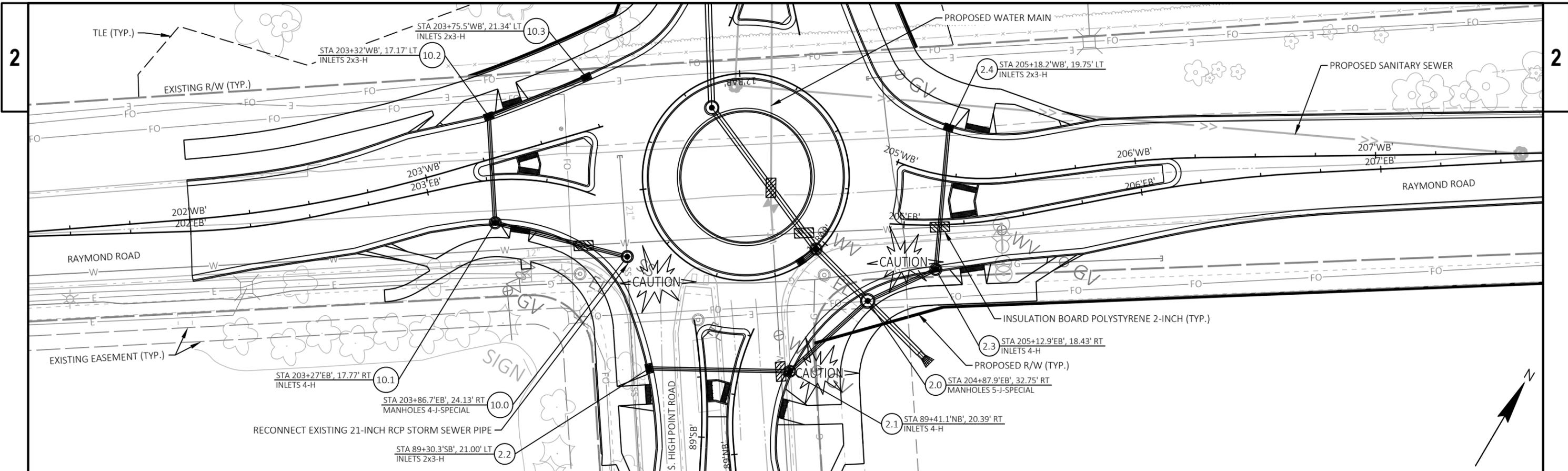
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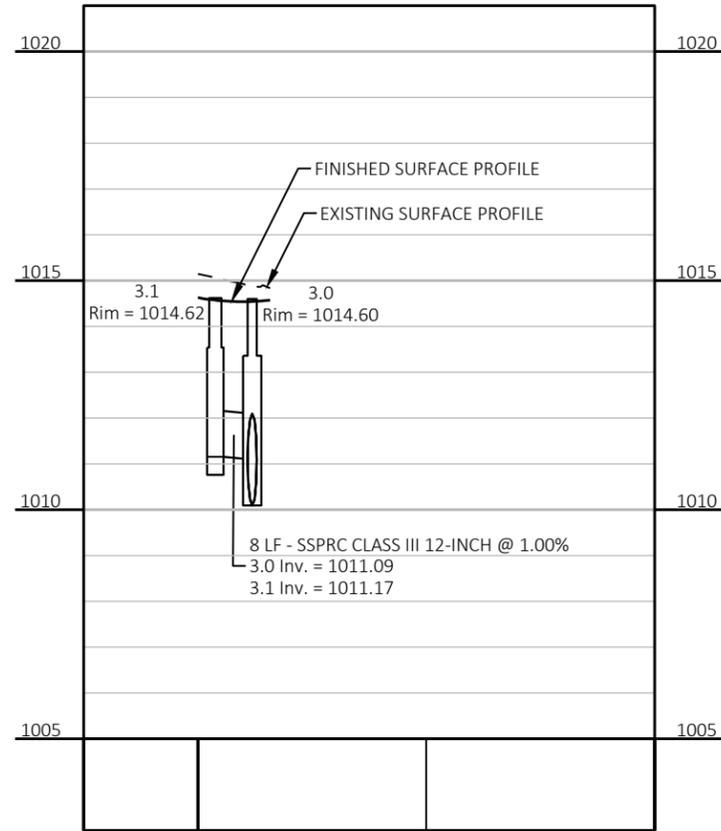
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PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	PAVING DETAILS	SHEET 55 of 175	E
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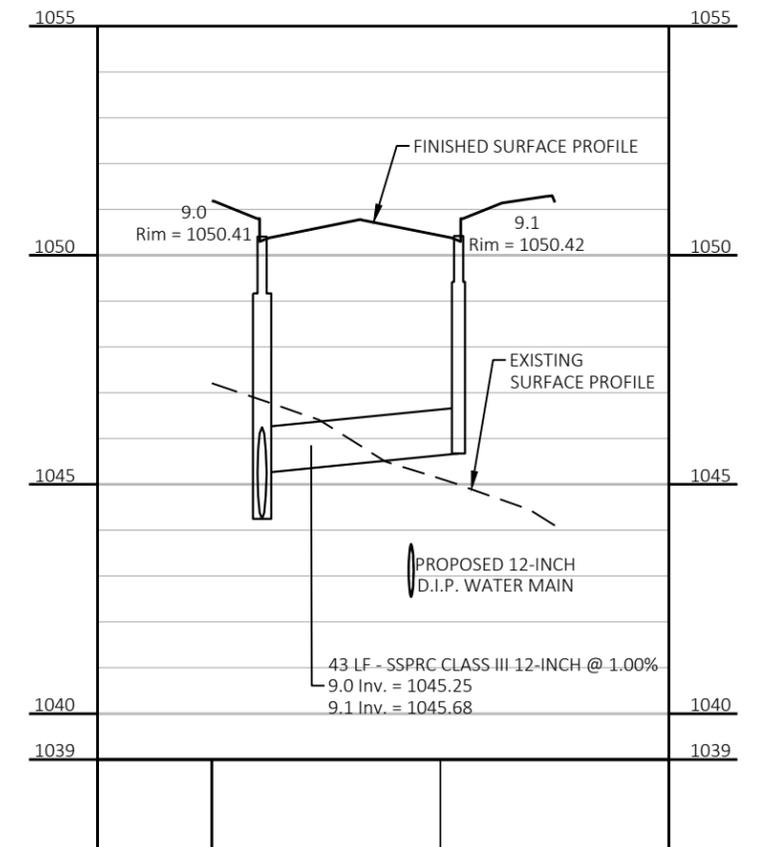
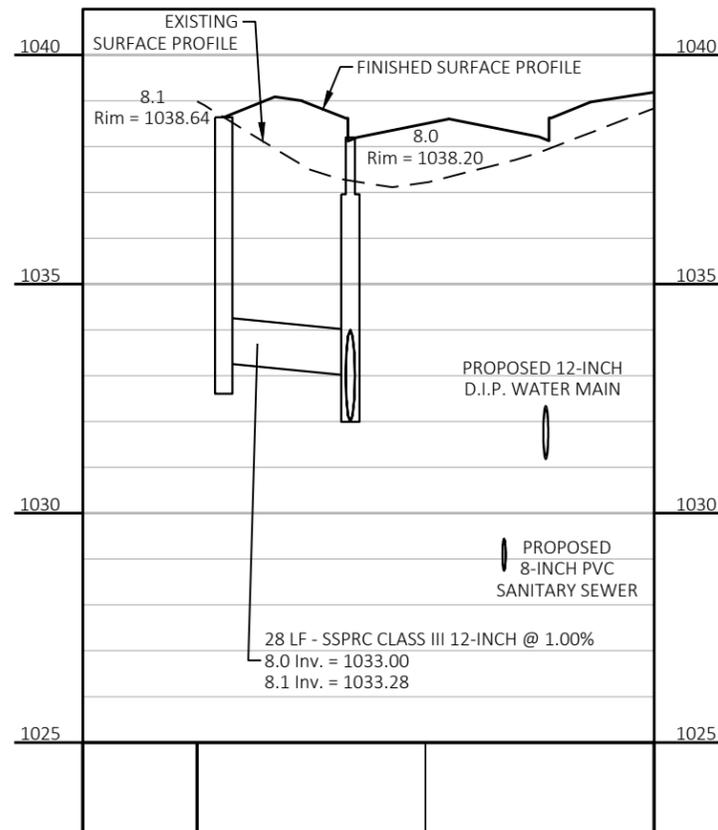
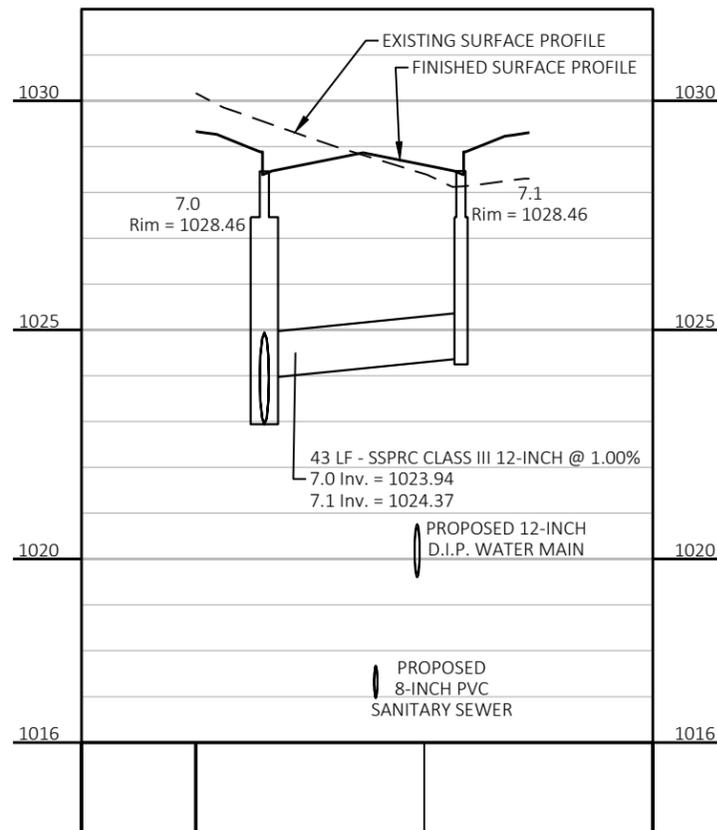
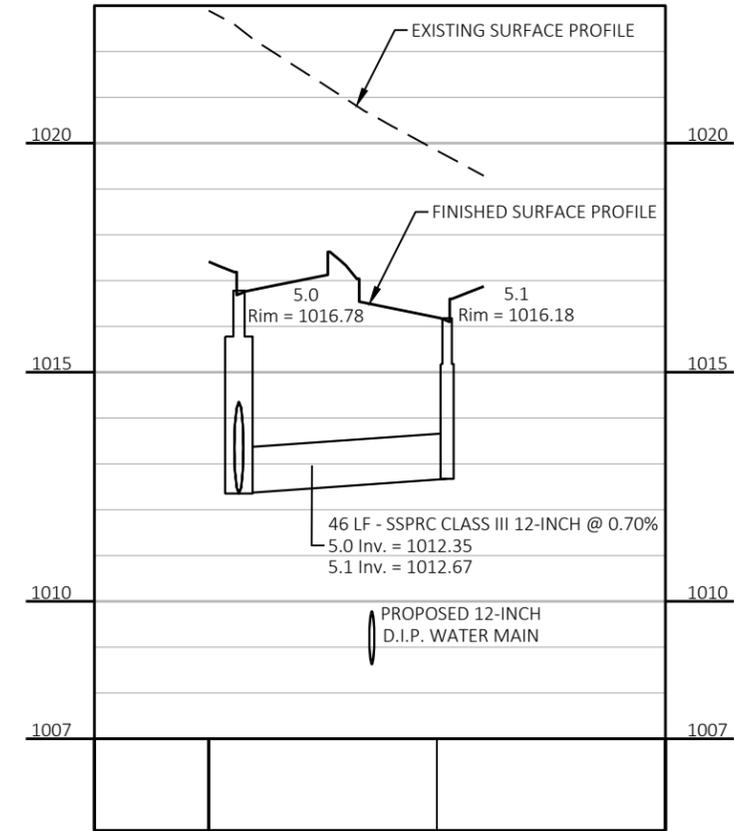


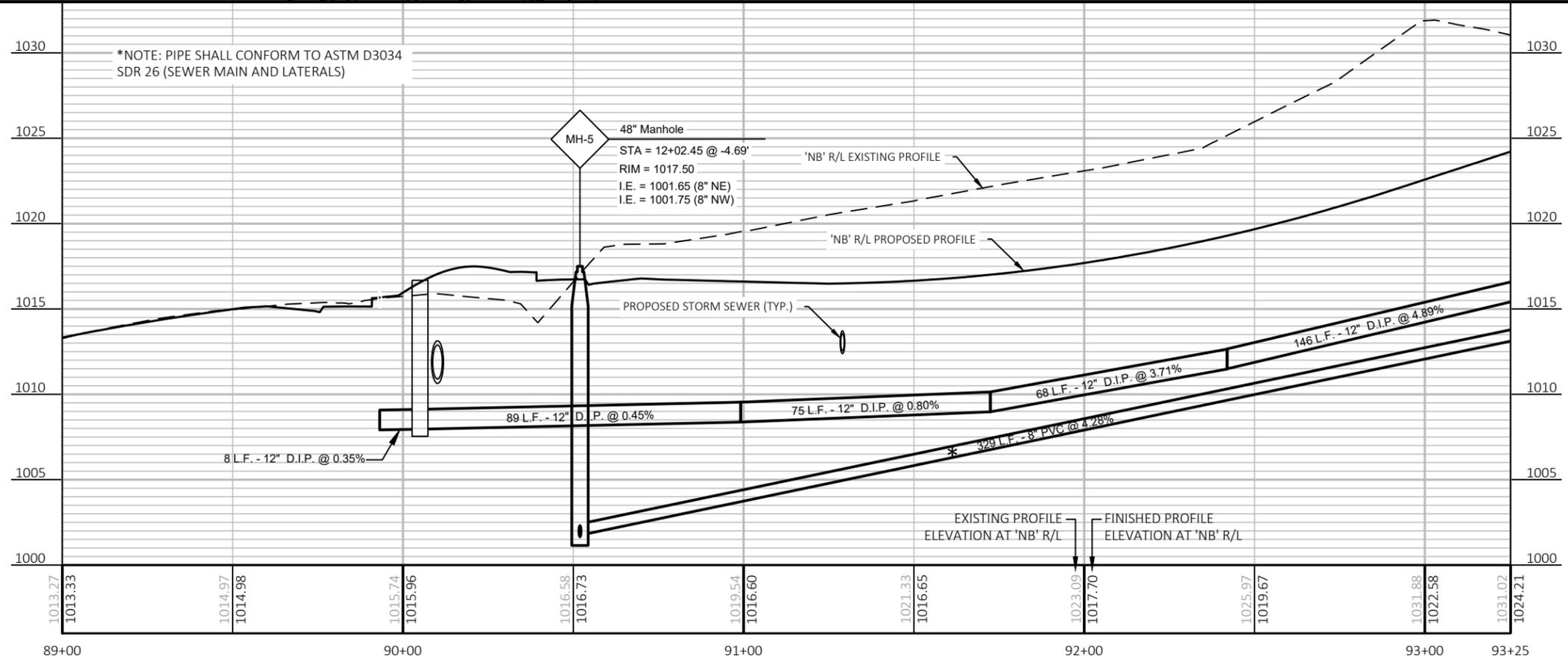
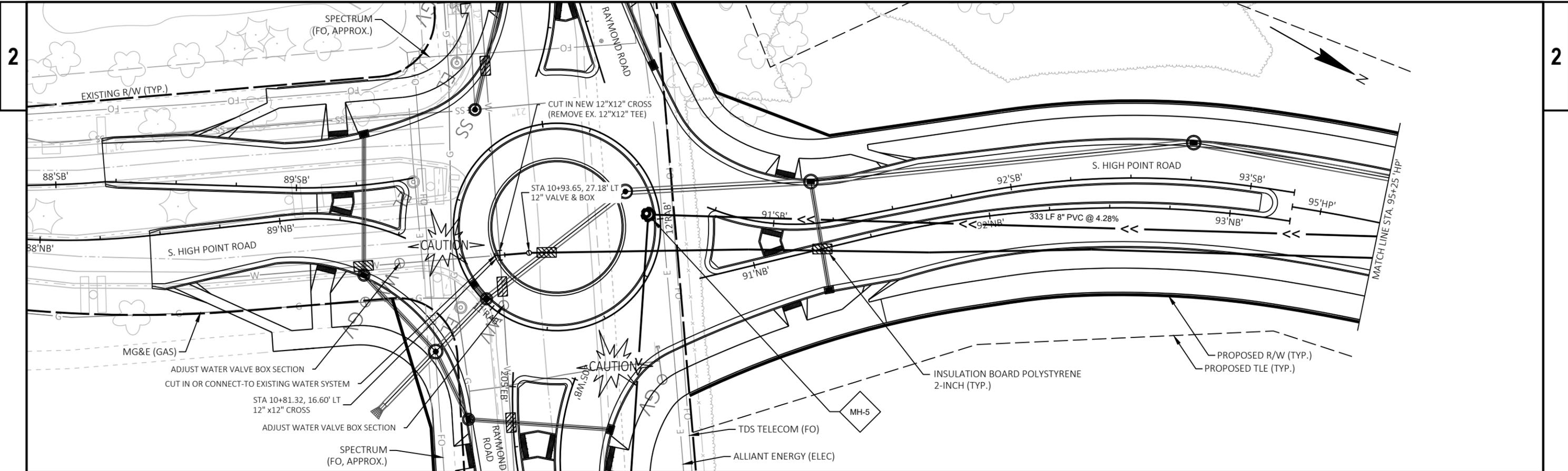


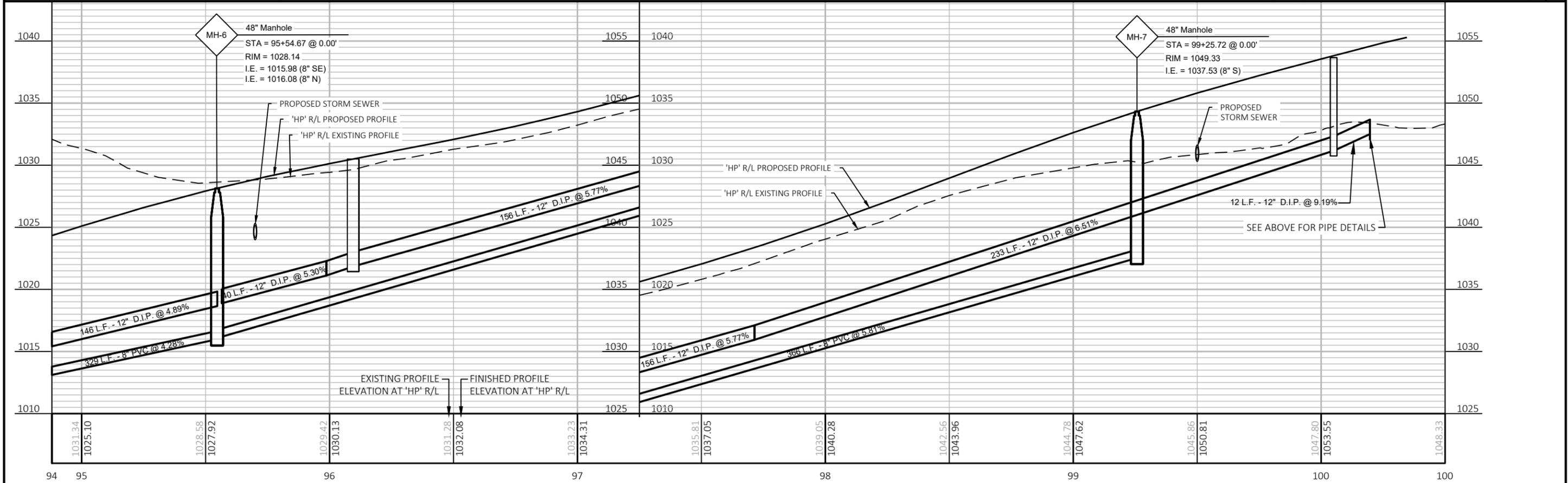
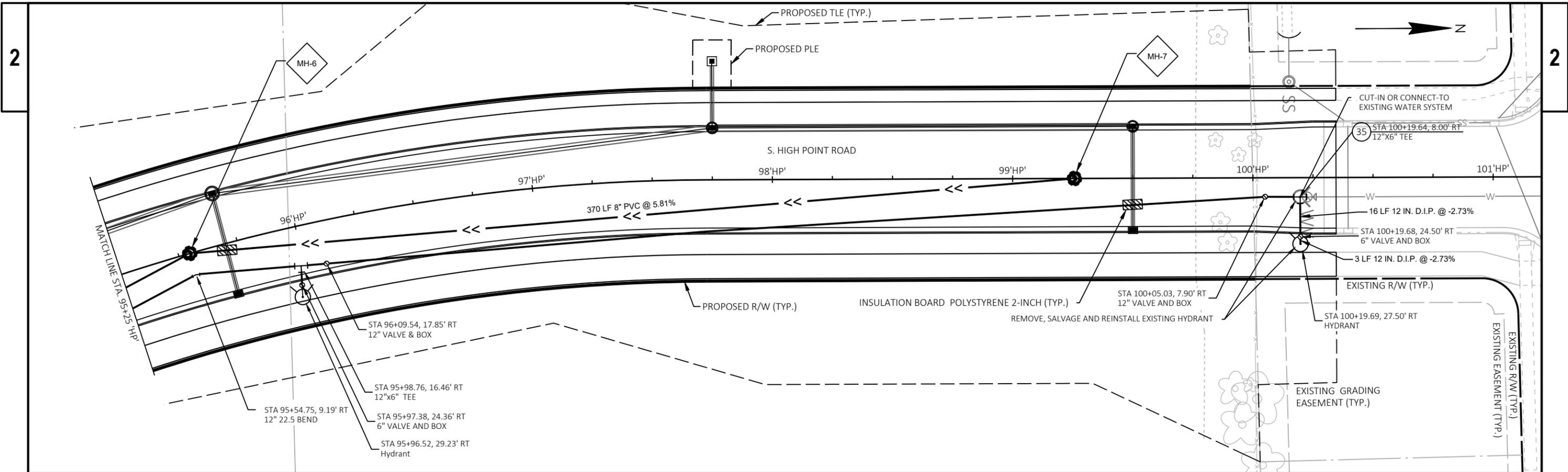
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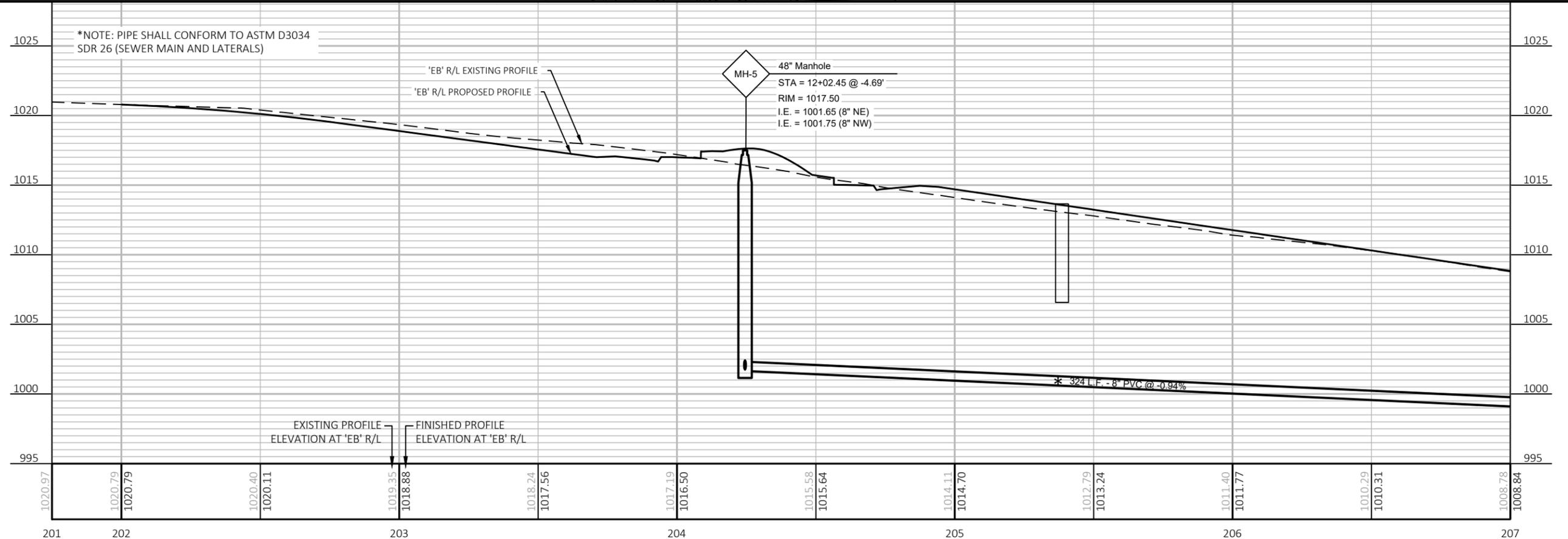
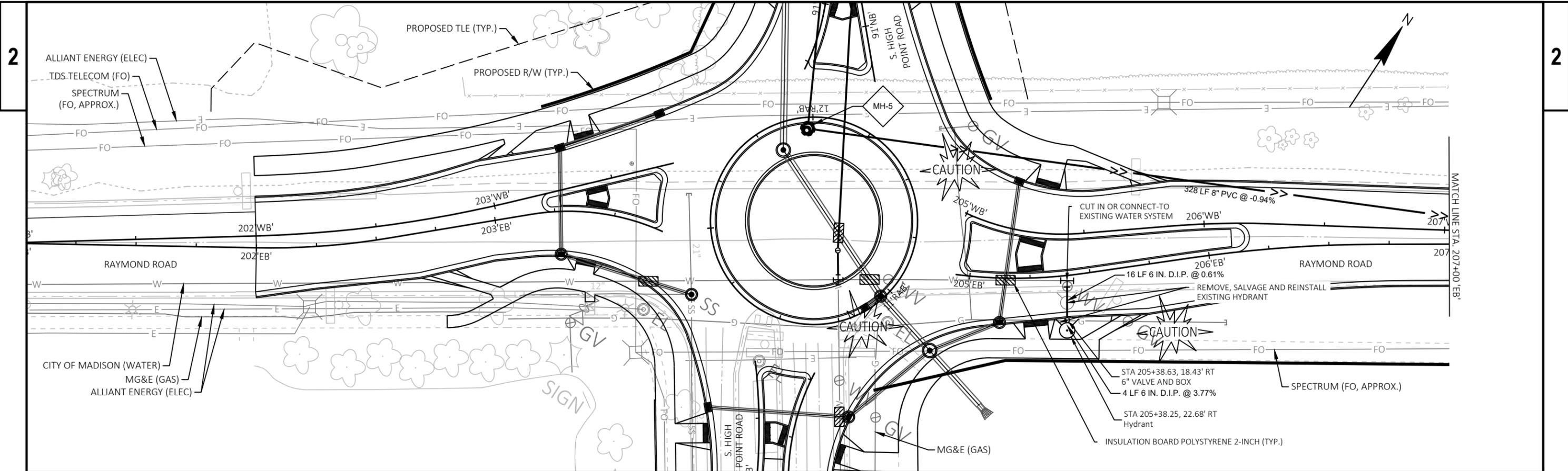
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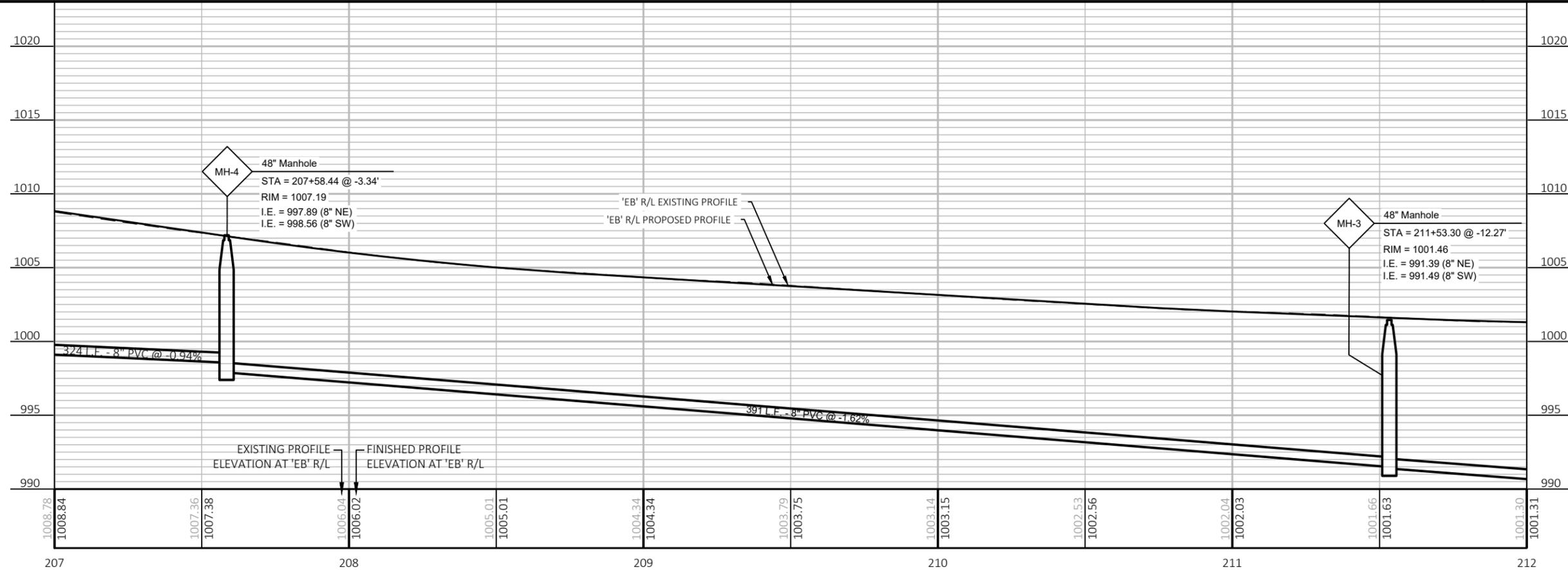
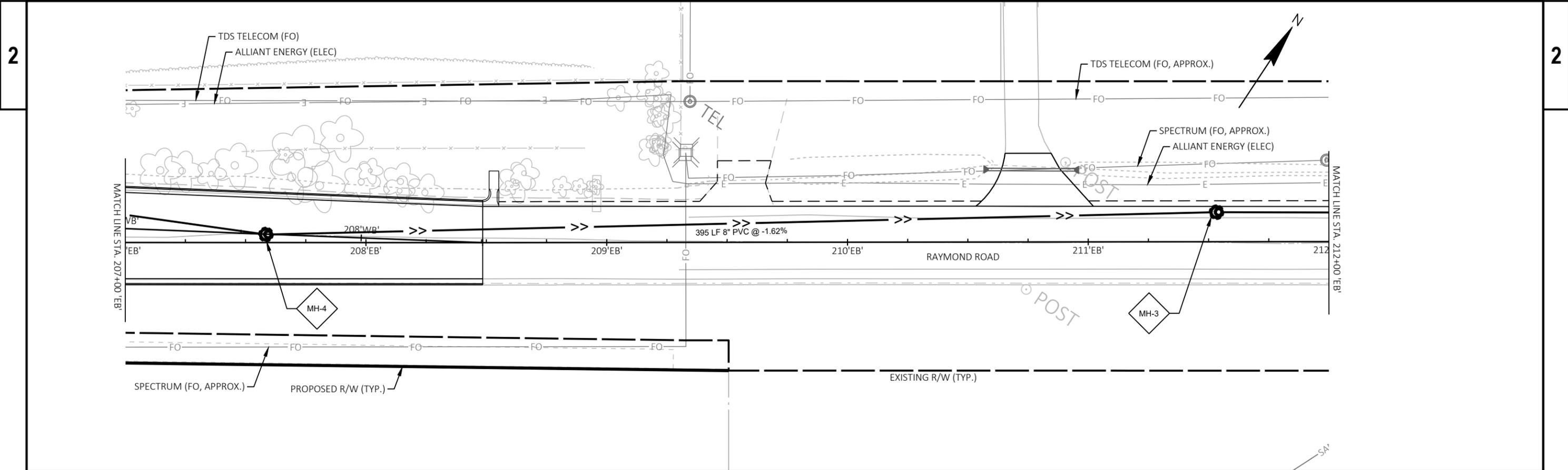


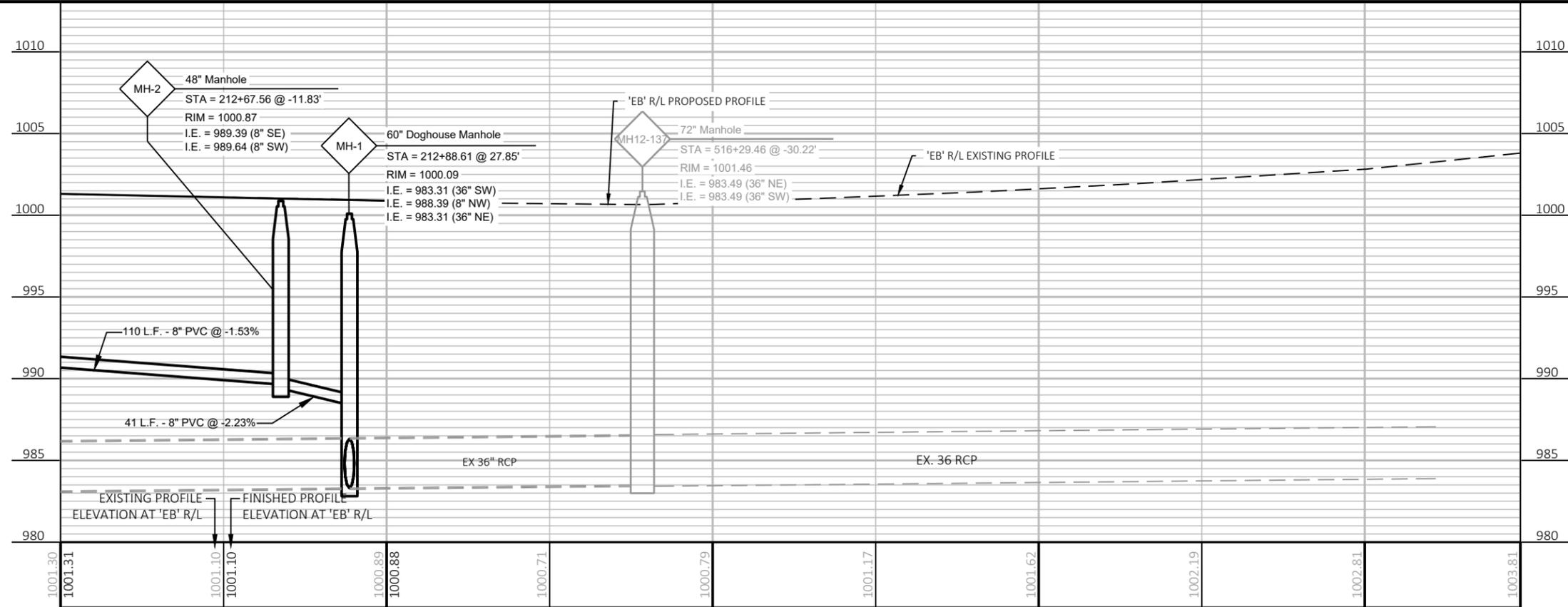
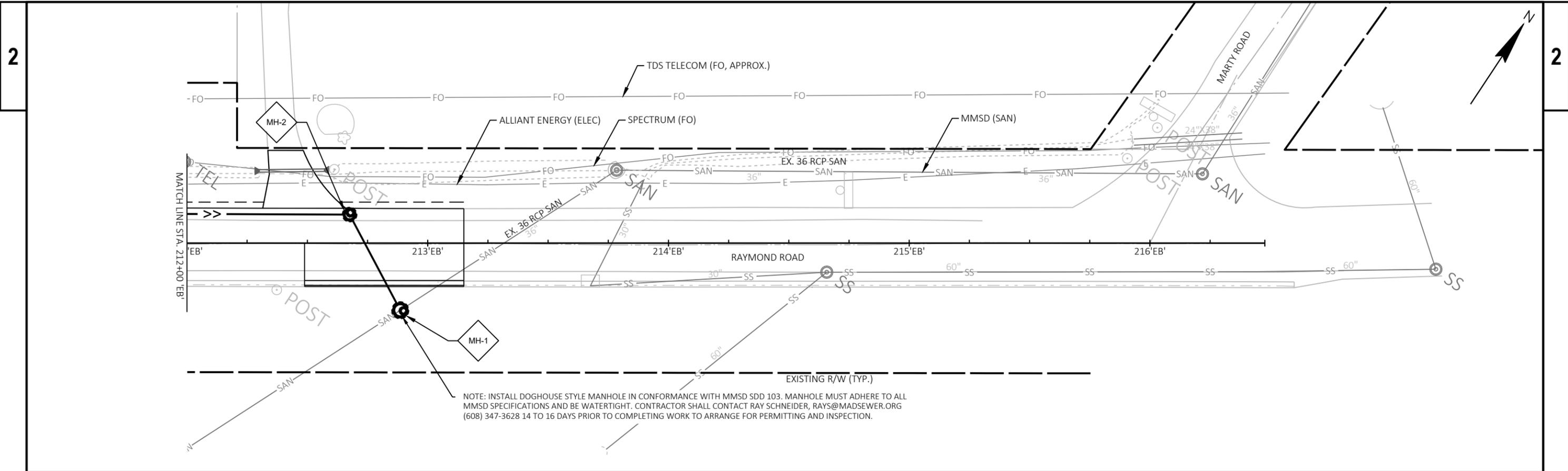


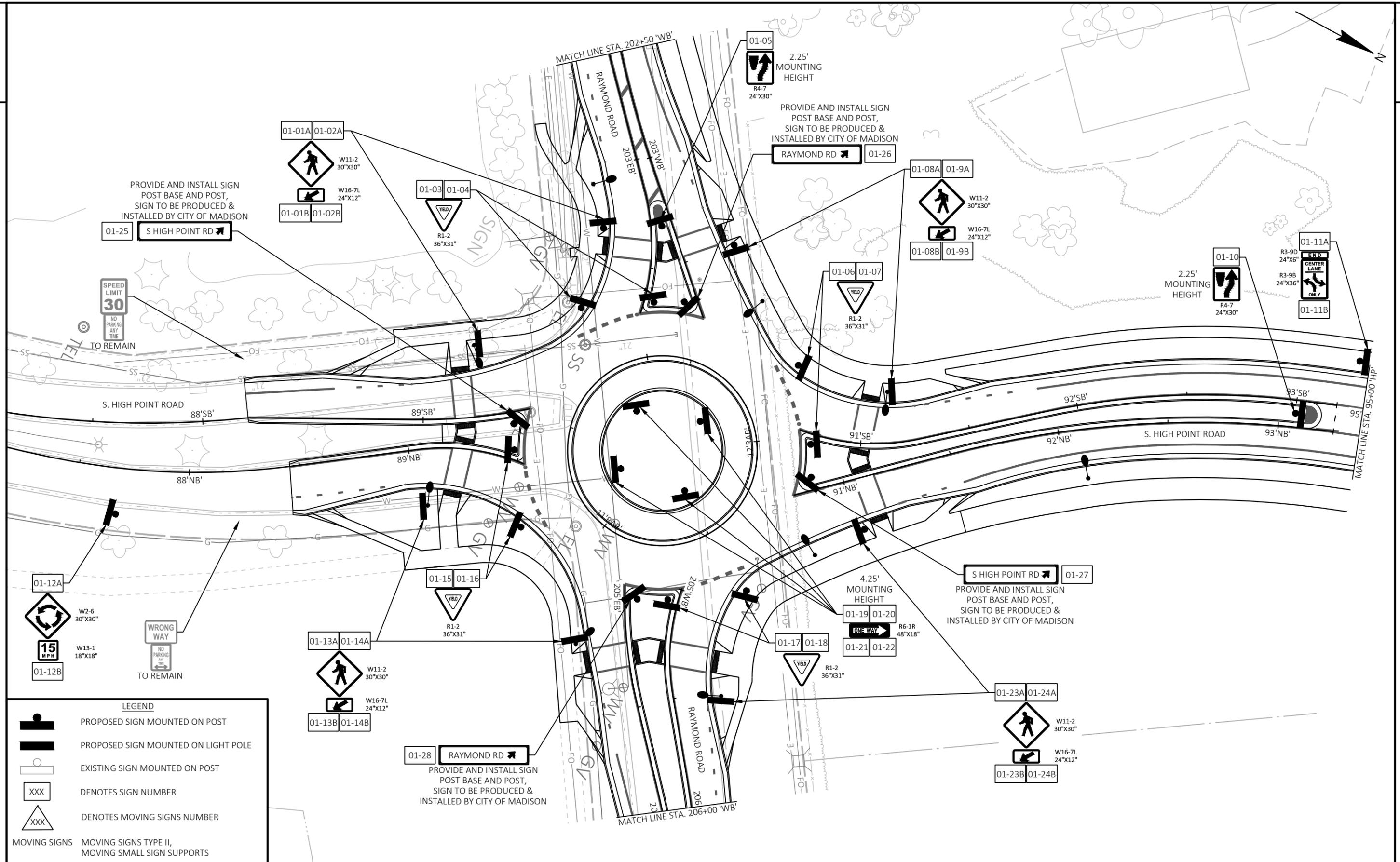


PROJECT NO: 5992-10-75	HWY: S. HIGH POINT ROAD	COUNTY: DANE	SANITARY SEWER AND WATER MAIN	SHEET 73 of 175	E
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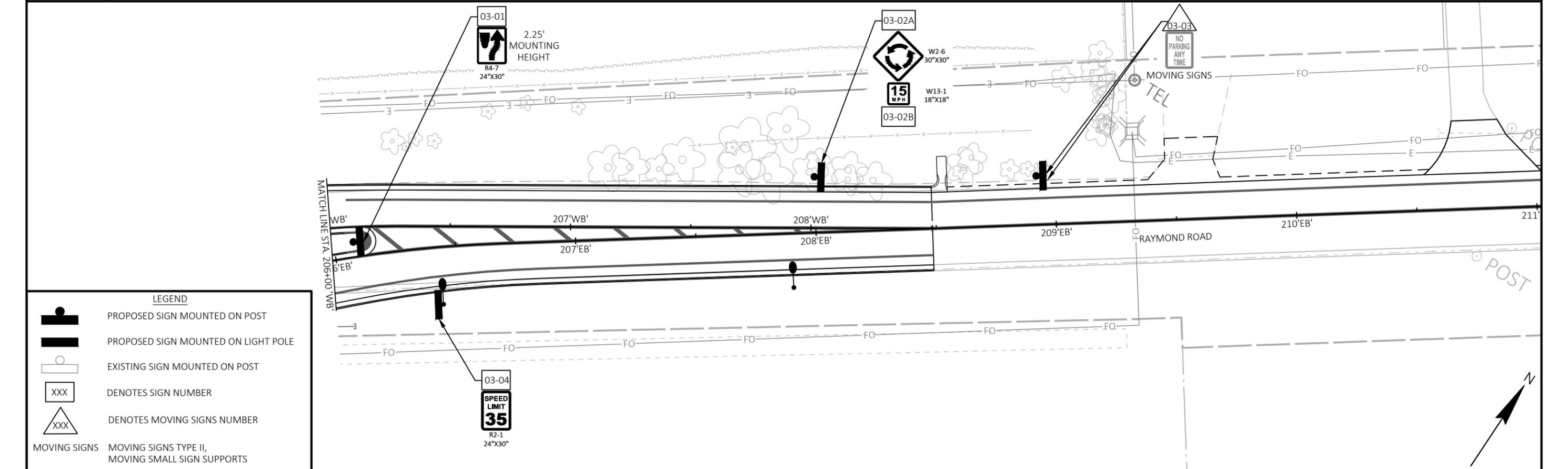
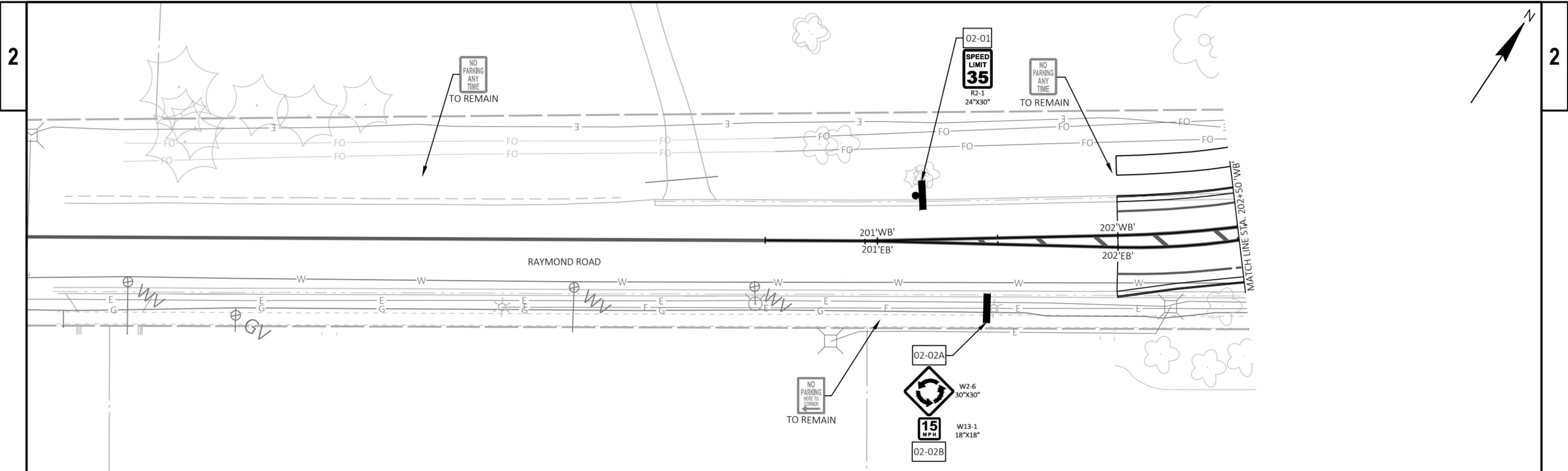




LEGEND

- PROPOSED SIGN MOUNTED ON POST
- PROPOSED SIGN MOUNTED ON LIGHT POLE
- EXISTING SIGN MOUNTED ON POST
- DENOTES SIGN NUMBER
- DENOTES MOVING SIGNS NUMBER
- MOVING SIGNS** MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET 80 of 175 E
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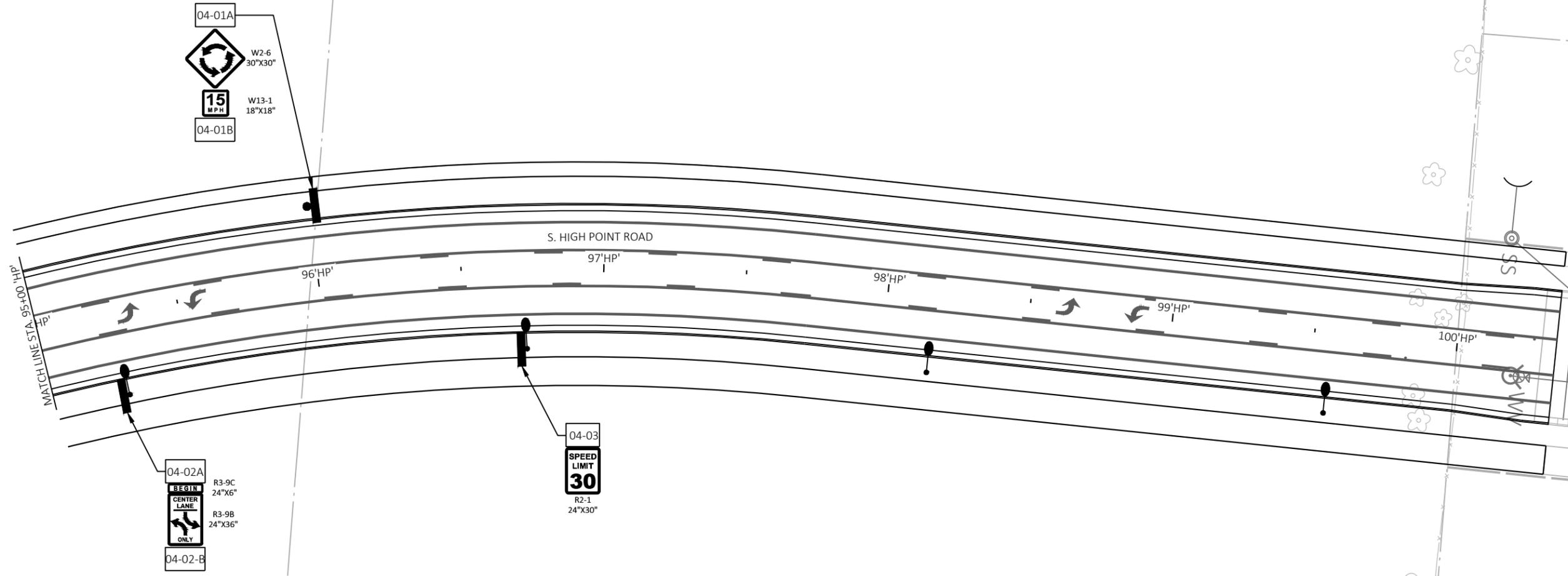


LEGEND

-  PROPOSED SIGN MOUNTED ON POST
-  PROPOSED SIGN MOUNTED ON LIGHT POLE
-  EXISTING SIGN MOUNTED ON POST
-  DENOTES SIGN NUMBER
-  DENOTES MOVING SIGNS NUMBER
-  MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

2

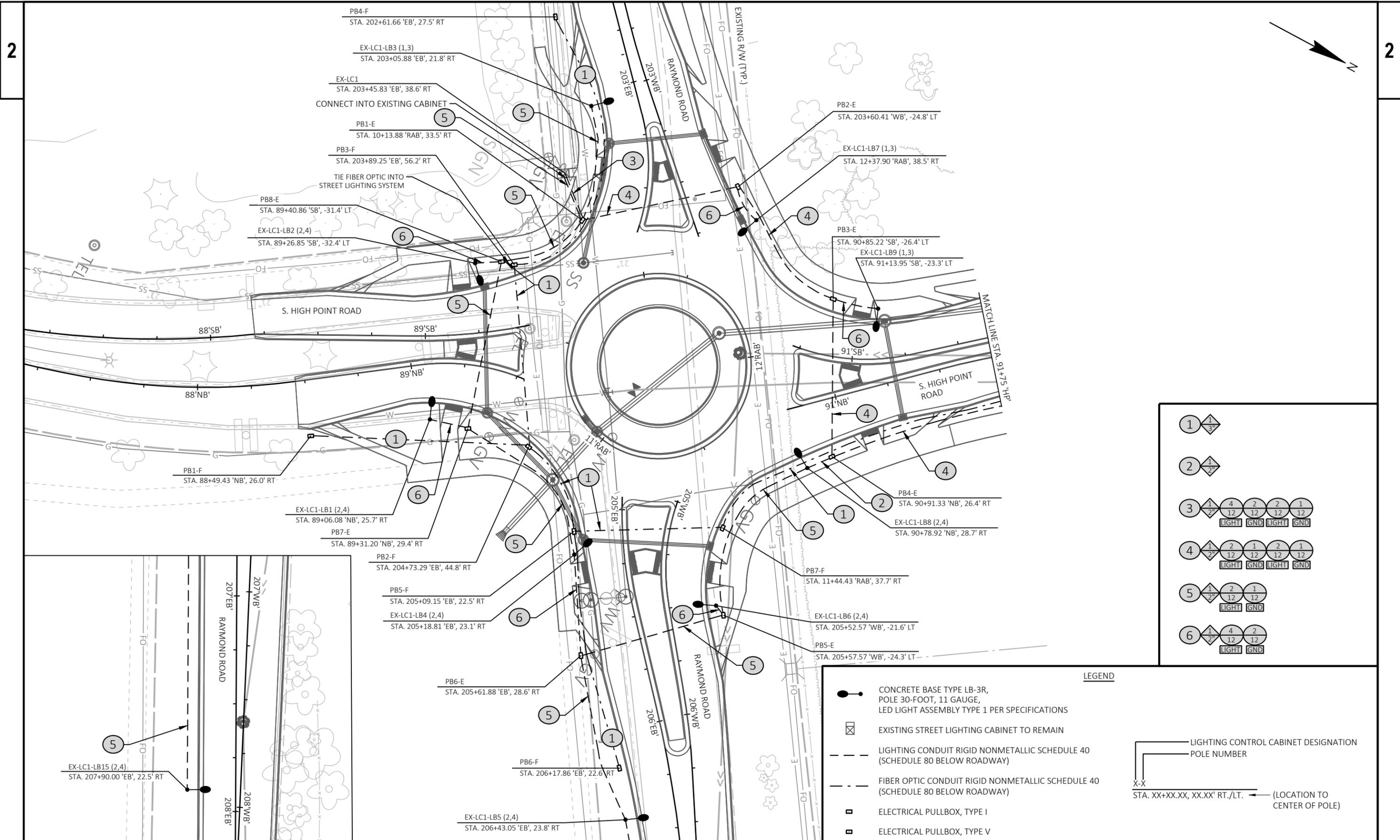
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LEGEND

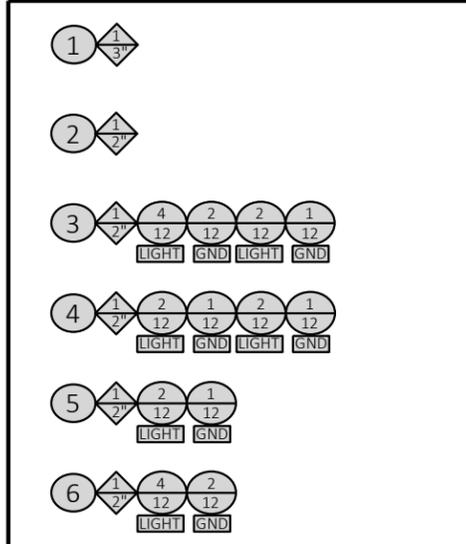
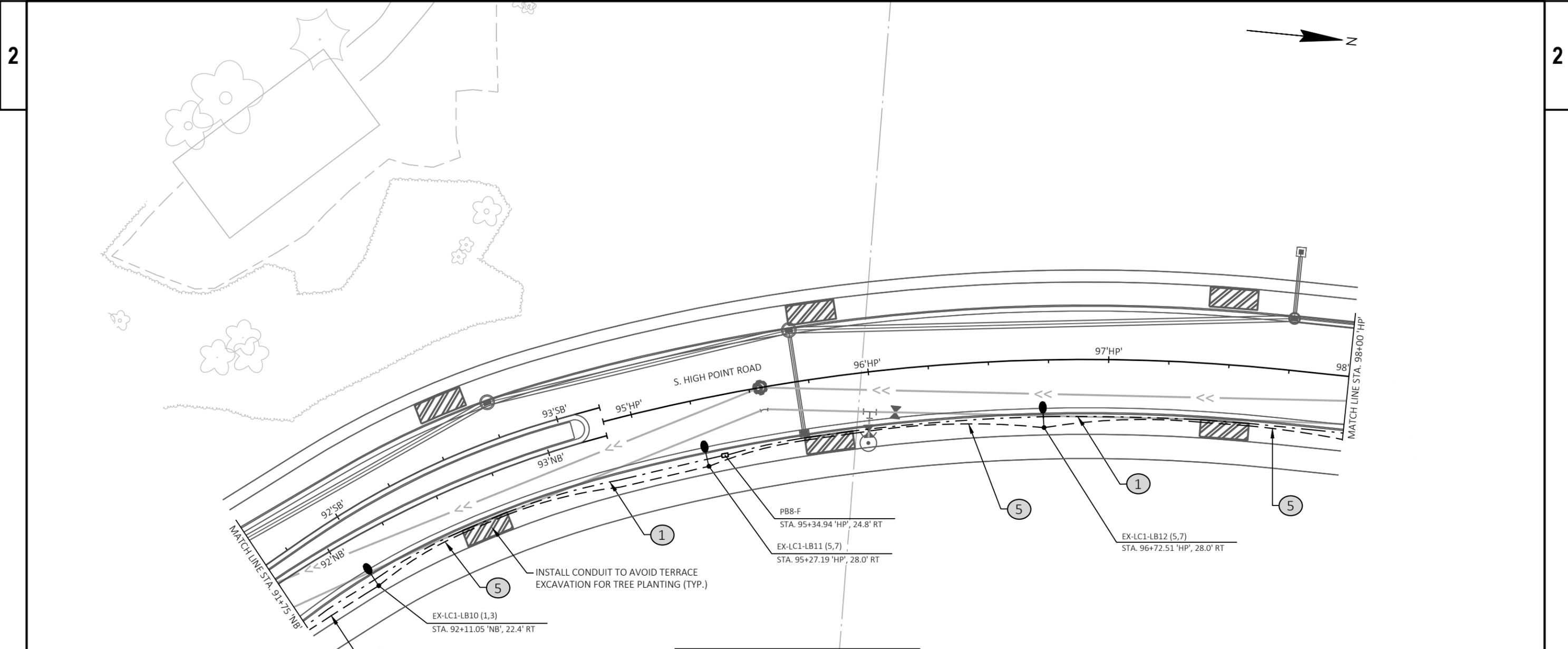
-  PROPOSED SIGN MOUNTED ON POST
-  PROPOSED SIGN MOUNTED ON LIGHT POLE
-  EXISTING SIGN MOUNTED ON POST
-  DENOTES SIGN NUMBER
-  DENOTES MOVING SIGNS NUMBER
-  MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	PERMANENT SIGNING
SHEET			82 of 175 E



2

2

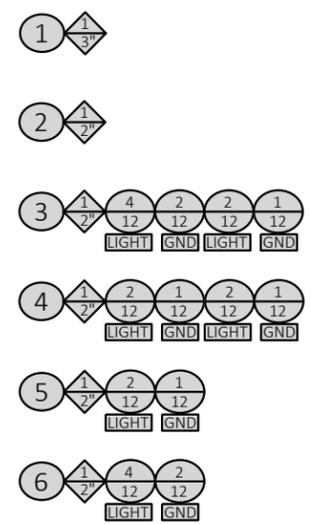
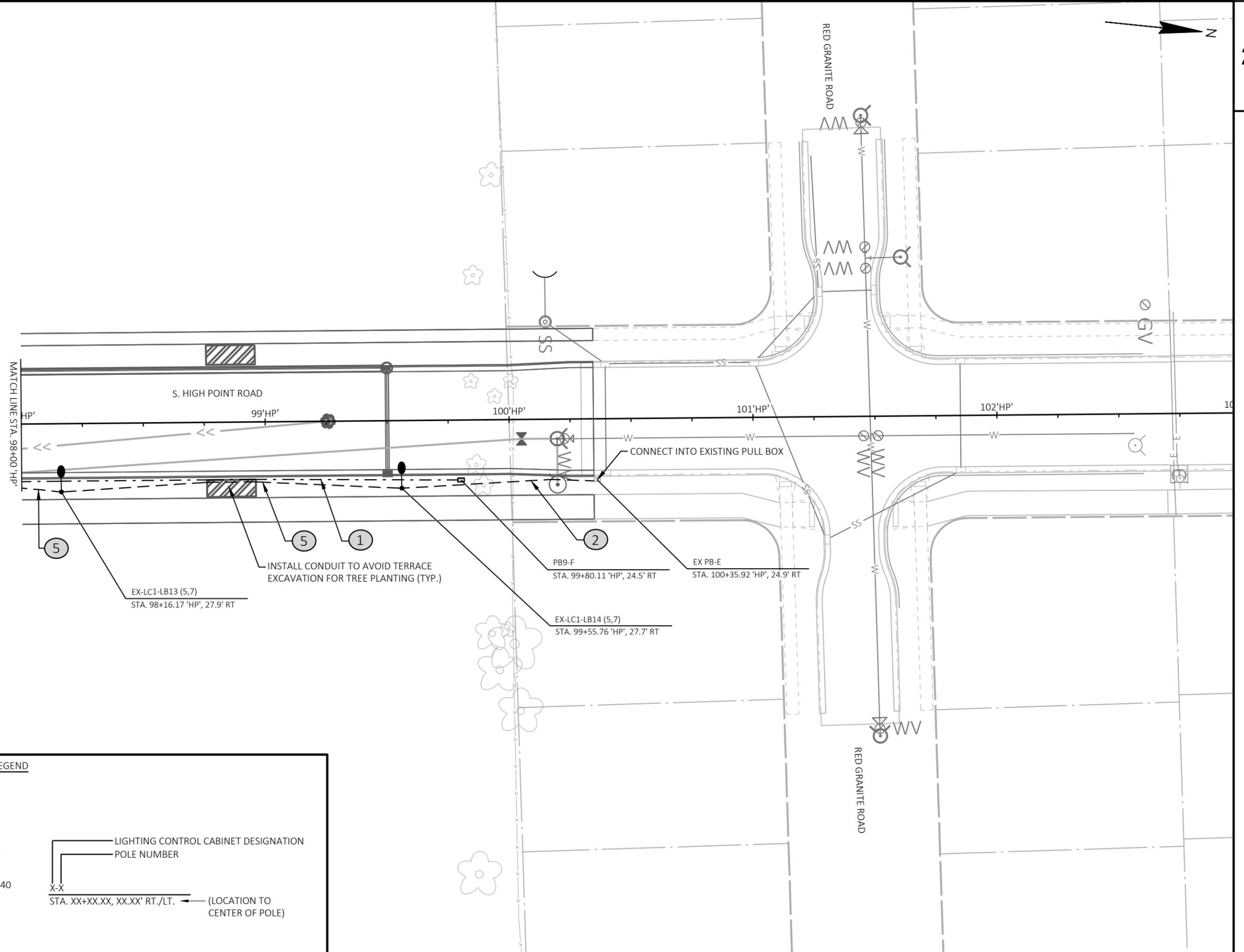


LEGEND

- CONCRETE BASE TYPE LB-3R, POLE 30-FOOT, 11 GAUGE, LED LIGHT ASSEMBLY TYPE 1 PER SPECIFICATIONS
- EXISTING STREET LIGHTING CABINET TO REMAIN
- LIGHTING CONDUIT RIGID NONMETALLIC SCHEDULE 40 (SCHEDULE 80 BELOW ROADWAY)
- FIBER OPTIC CONDUIT RIGID NONMETALLIC SCHEDULE 40 (SCHEDULE 80 BELOW ROADWAY)
- ELECTRICAL PULLBOX, TYPE I
- ELECTRICAL PULLBOX, TYPE V

LIGHTING CONTROL CABINET DESIGNATION POLE NUMBER

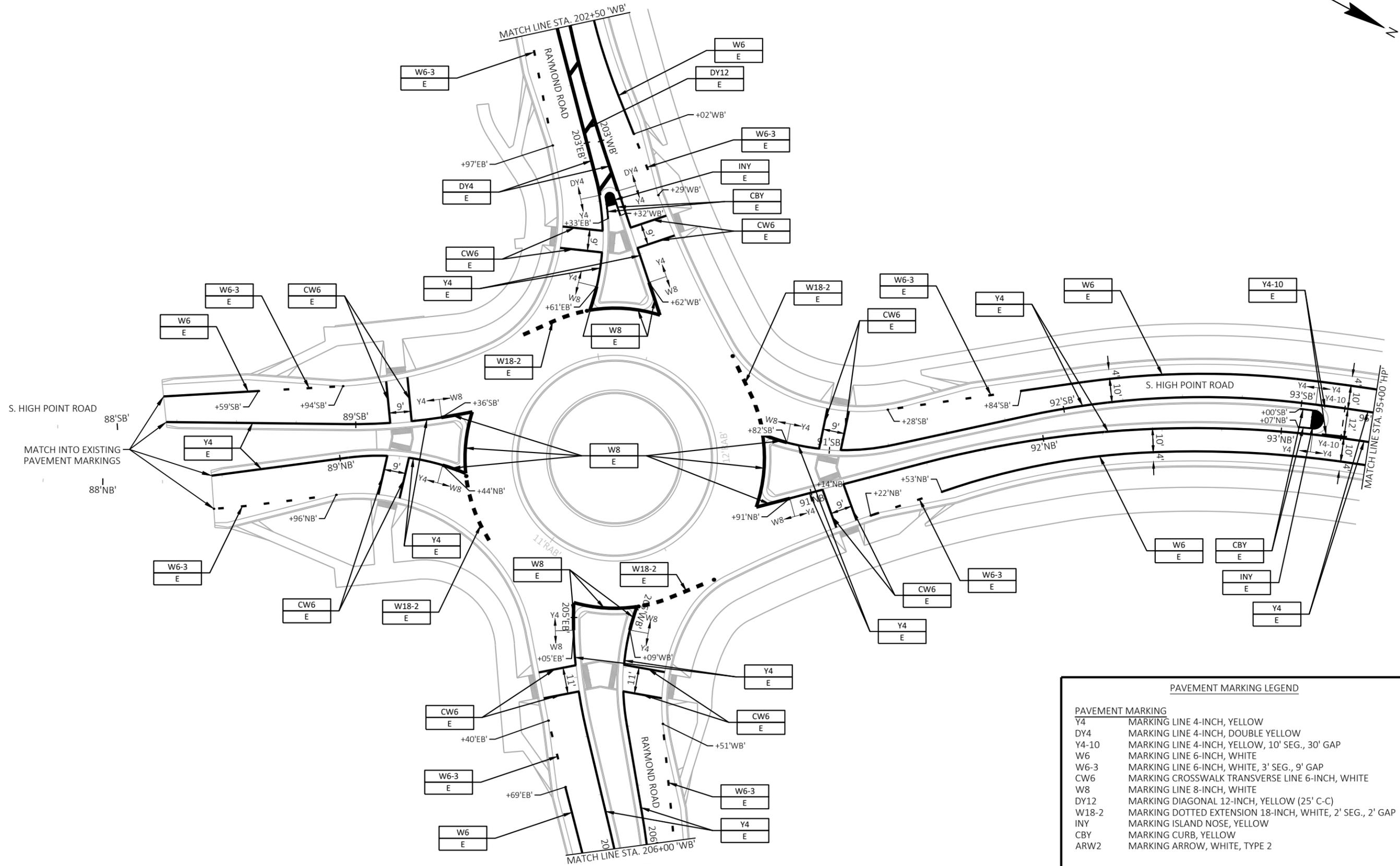
X-X STA. XX+XX.XX, XX.XX' RT./LT. (LOCATION TO CENTER OF POLE)



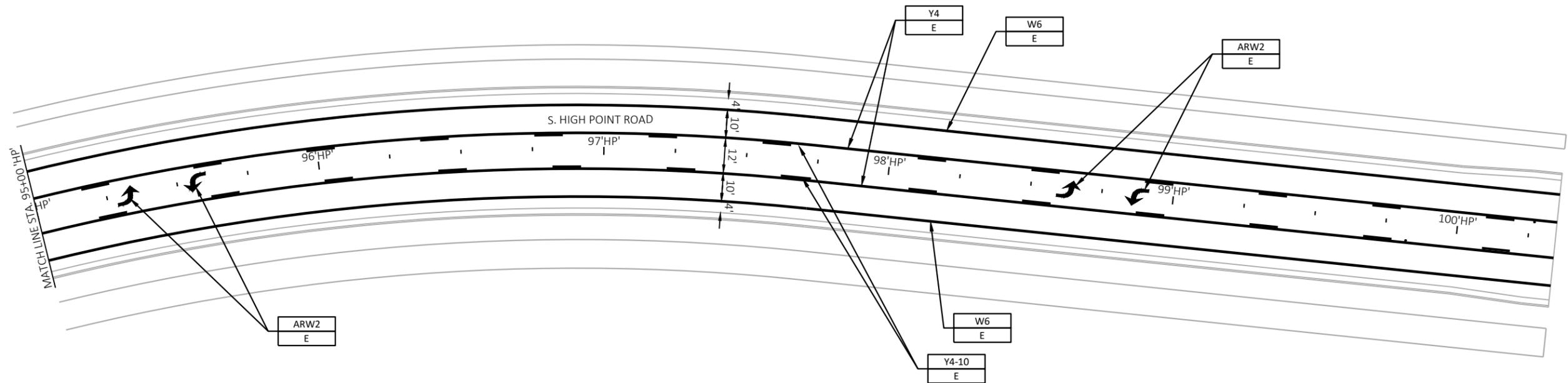
LEGEND

- CONCRETE BASE TYPE LB-3R, POLE 30-FOOT, 11 GAUGE, LED LIGHT ASSEMBLY TYPE 1 PER SPECIFICATIONS
- ☒ EXISTING STREET LIGHTING CABINET TO REMAIN
- LIGHTING CONDUIT RIGID NONMETALLIC SCHEDULE 40 (SCHEDULE 80 BELOW ROADWAY)
- - - FIBER OPTIC CONDUIT RIGID NONMETALLIC SCHEDULE 40 (SCHEDULE 80 BELOW ROADWAY)
- ELECTRICAL PULLBOX, TYPE I
- ELECTRICAL PULLBOX, TYPE V

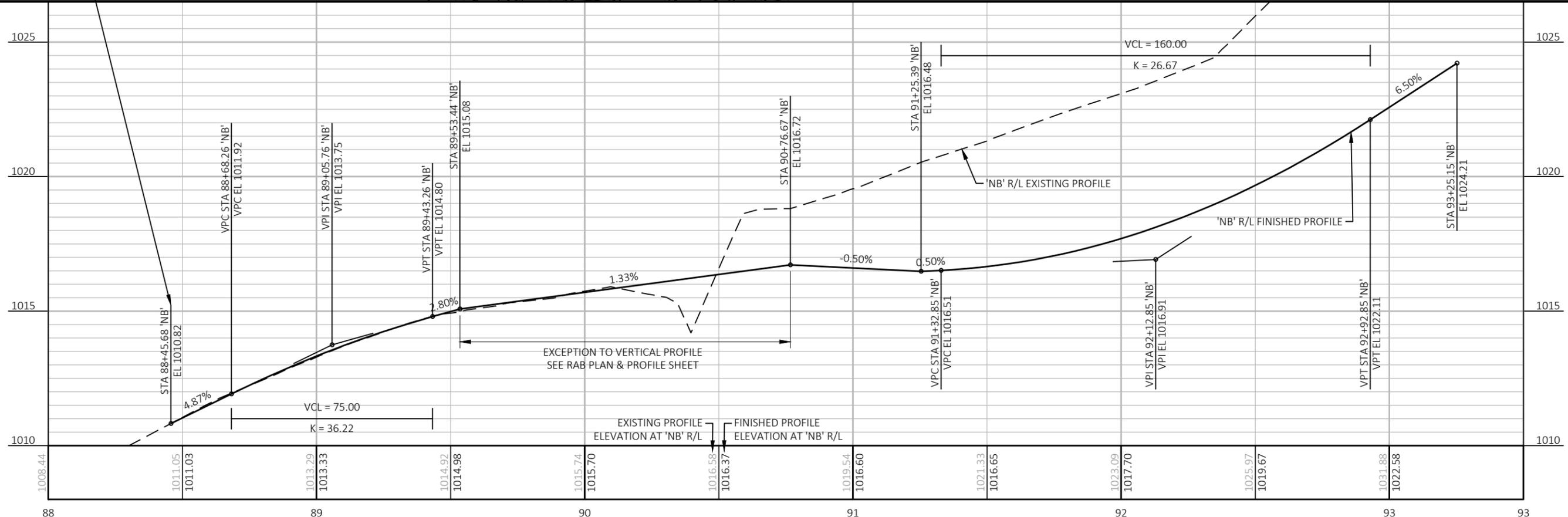
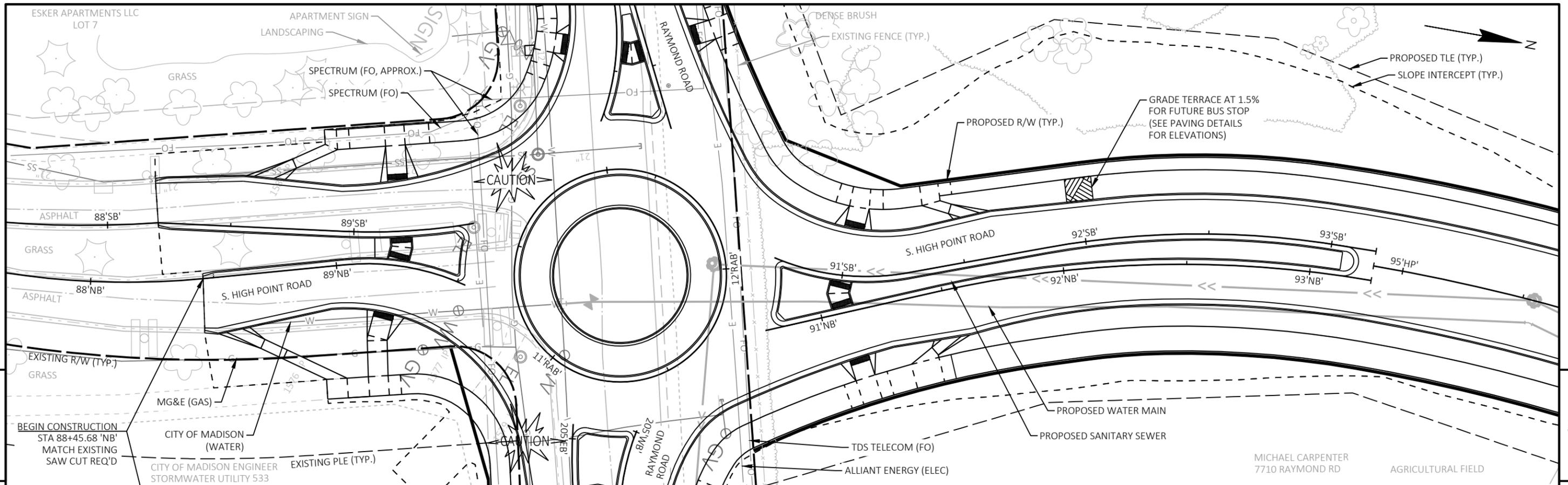
X-X LIGHTING CONTROL CABINET DESIGNATION
 STA. XX+XX.XX, XX.XX' RT./LT. (LOCATION TO CENTER OF POLE)



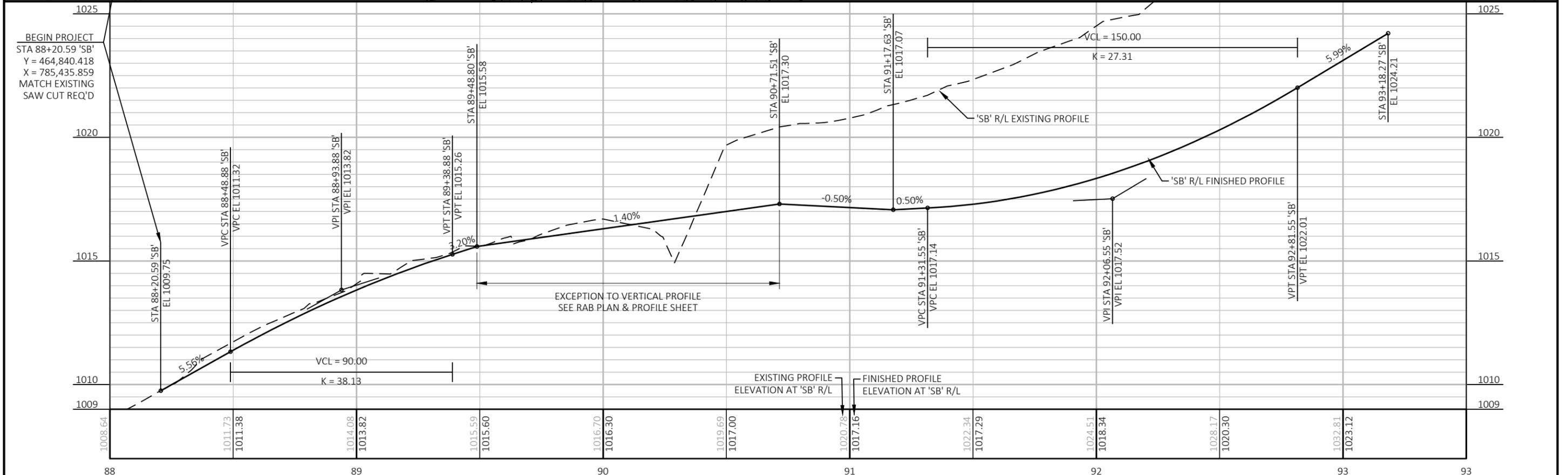
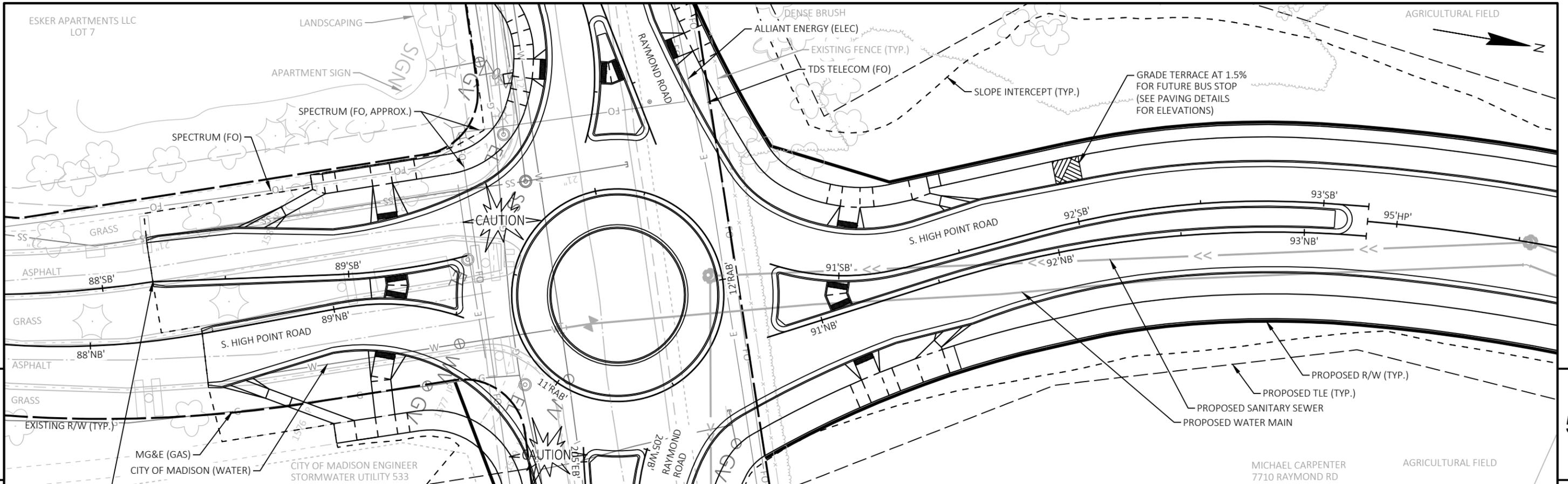
PAVEMENT MARKING LEGEND	
PAVEMENT MARKING	
Y4	MARKING LINE 4-INCH, YELLOW
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
Y4-10	MARKING LINE 4-INCH, YELLOW, 10' SEG., 30' GAP
W6	MARKING LINE 6-INCH, WHITE
W6-3	MARKING LINE 6-INCH, WHITE, 3' SEG., 9' GAP
CW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH, WHITE
W8	MARKING LINE 8-INCH, WHITE
DY12	MARKING DIAGONAL 12-INCH, YELLOW (25' C-C)
W18-2	MARKING DOTTED EXTENSION 18-INCH, WHITE, 2' SEG., 2' GAP
INY	MARKING ISLAND NOSE, YELLOW
CBY	MARKING CURB, YELLOW
ARW2	MARKING ARROW, WHITE, TYPE 2
MATERIAL	
E	EPOXY



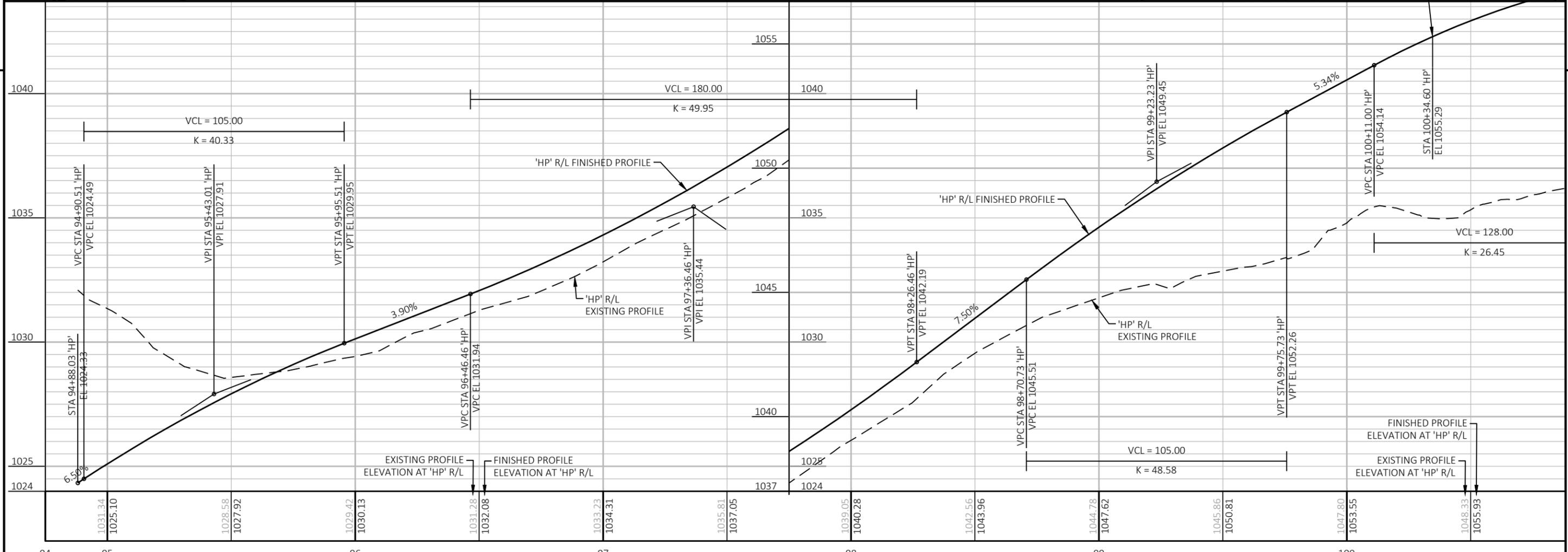
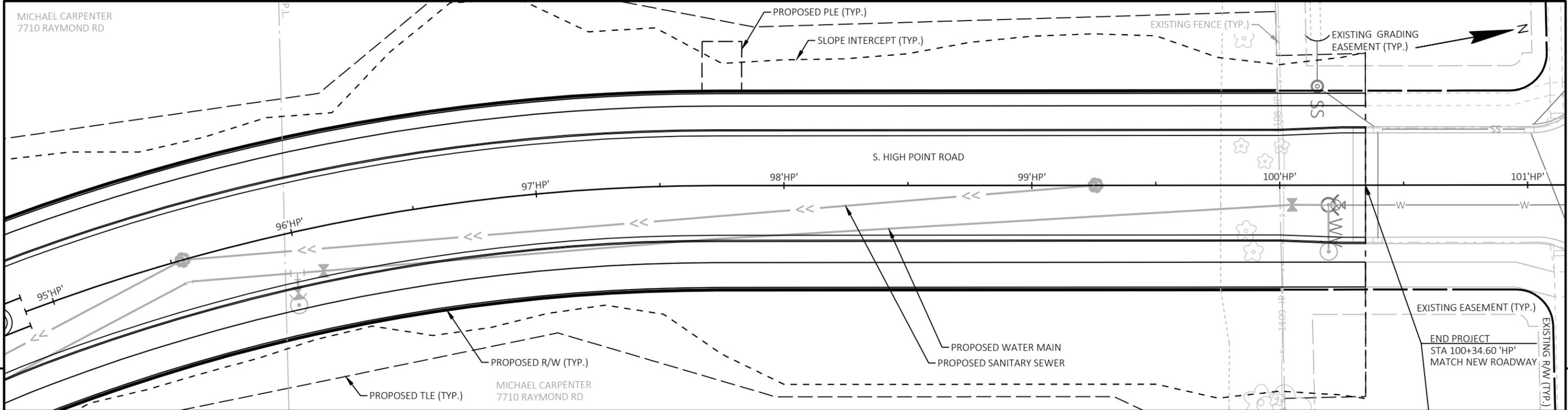
PAVEMENT MARKING LEGEND	
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DY12	MARKING DIAGONAL 12-INCH, YELLOW (25' C-C)
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INY	MARKING ISLAND NOSE, YELLOW
CBY	MARKING CURB, YELLOW
ARW2	MARKING ARROW, WHITE, TYPE 2
MATERIAL	
E	EPOXY



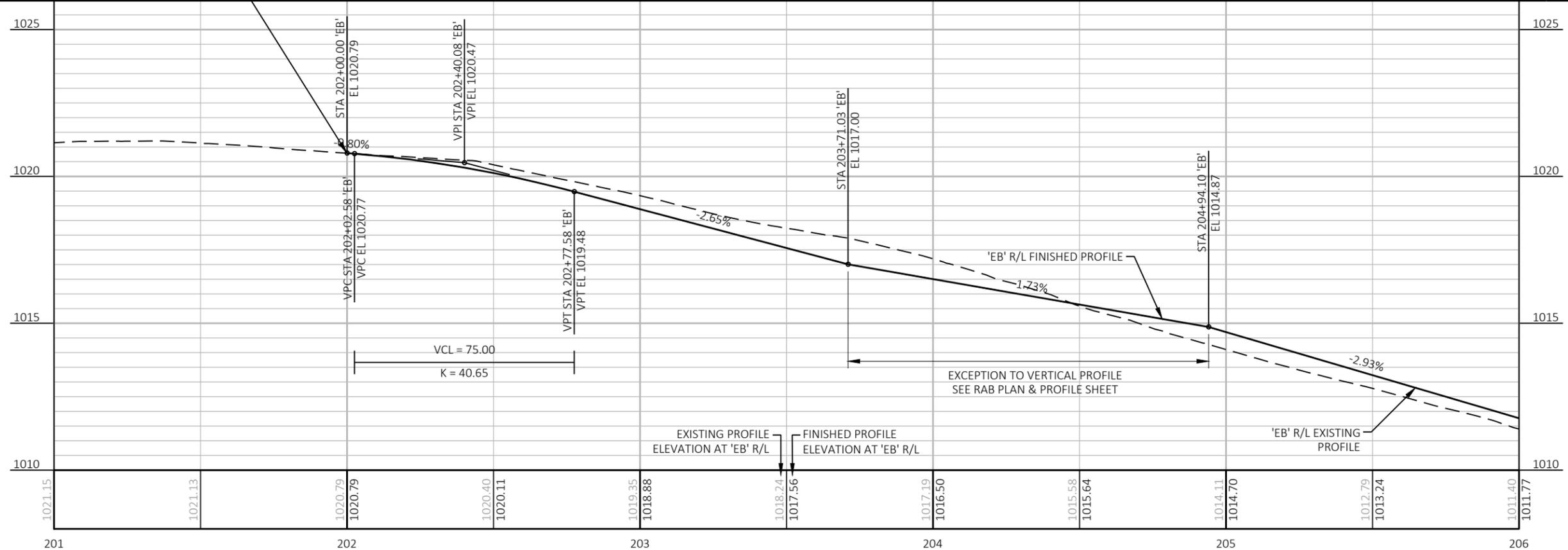
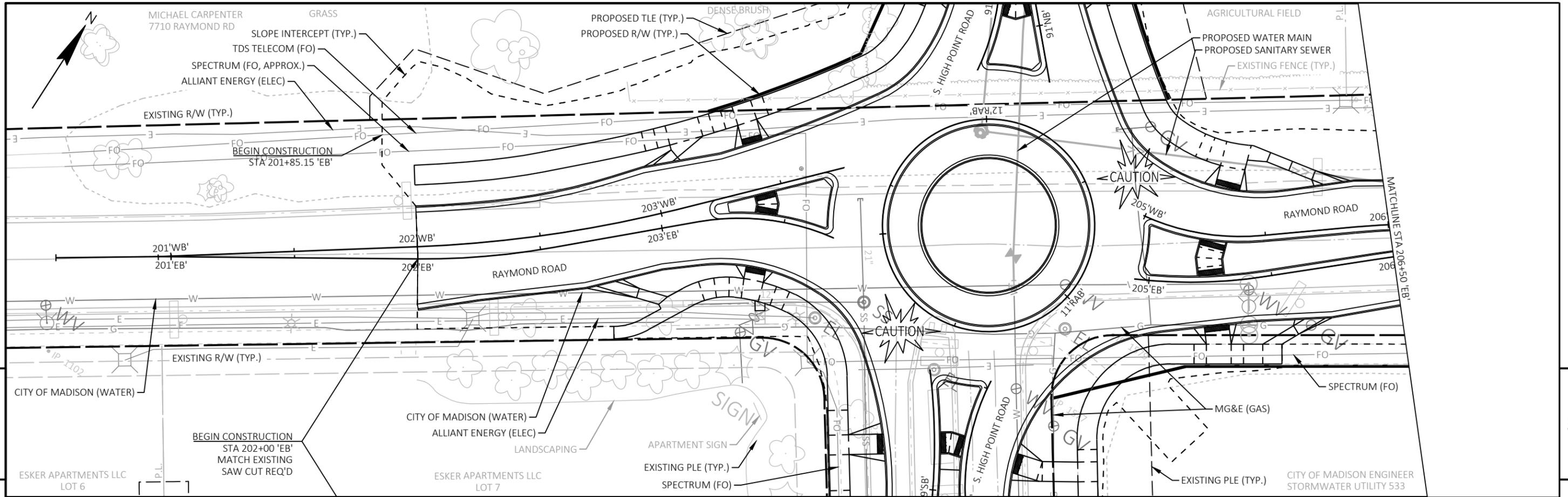
PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: S. HIGH POINT RD NB	SHEET 118 of 175
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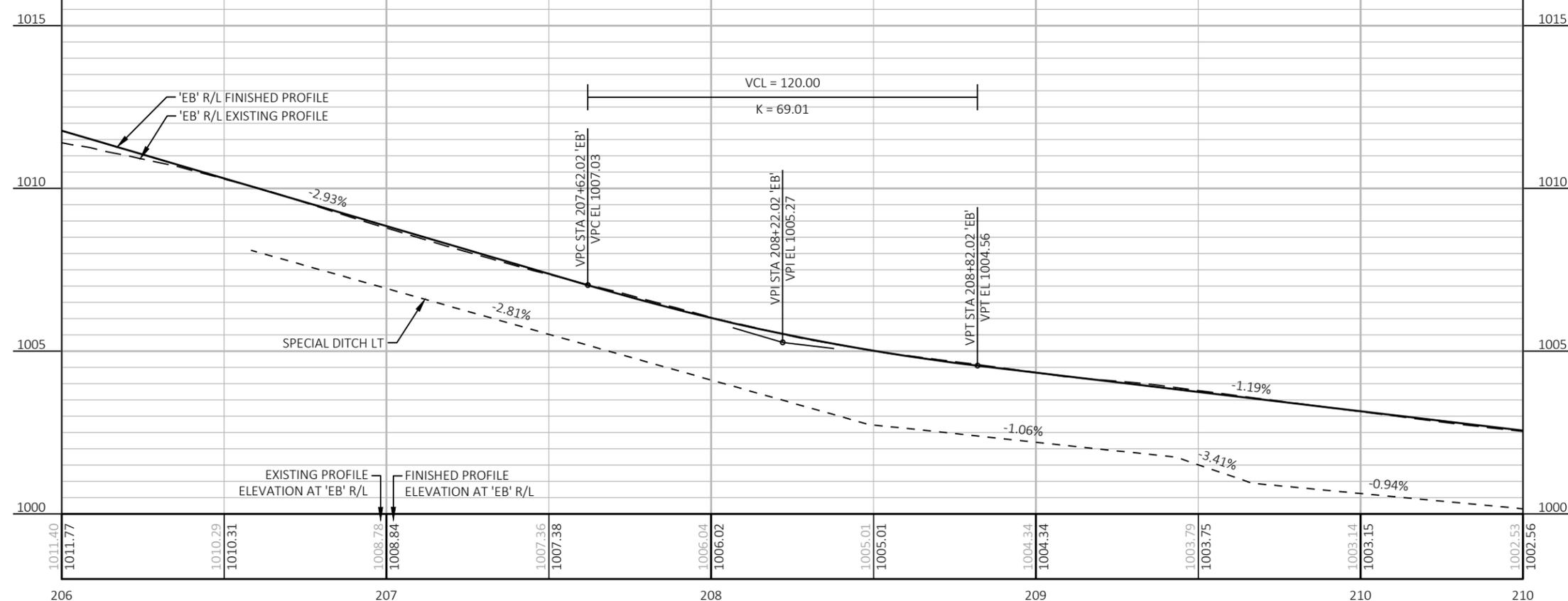
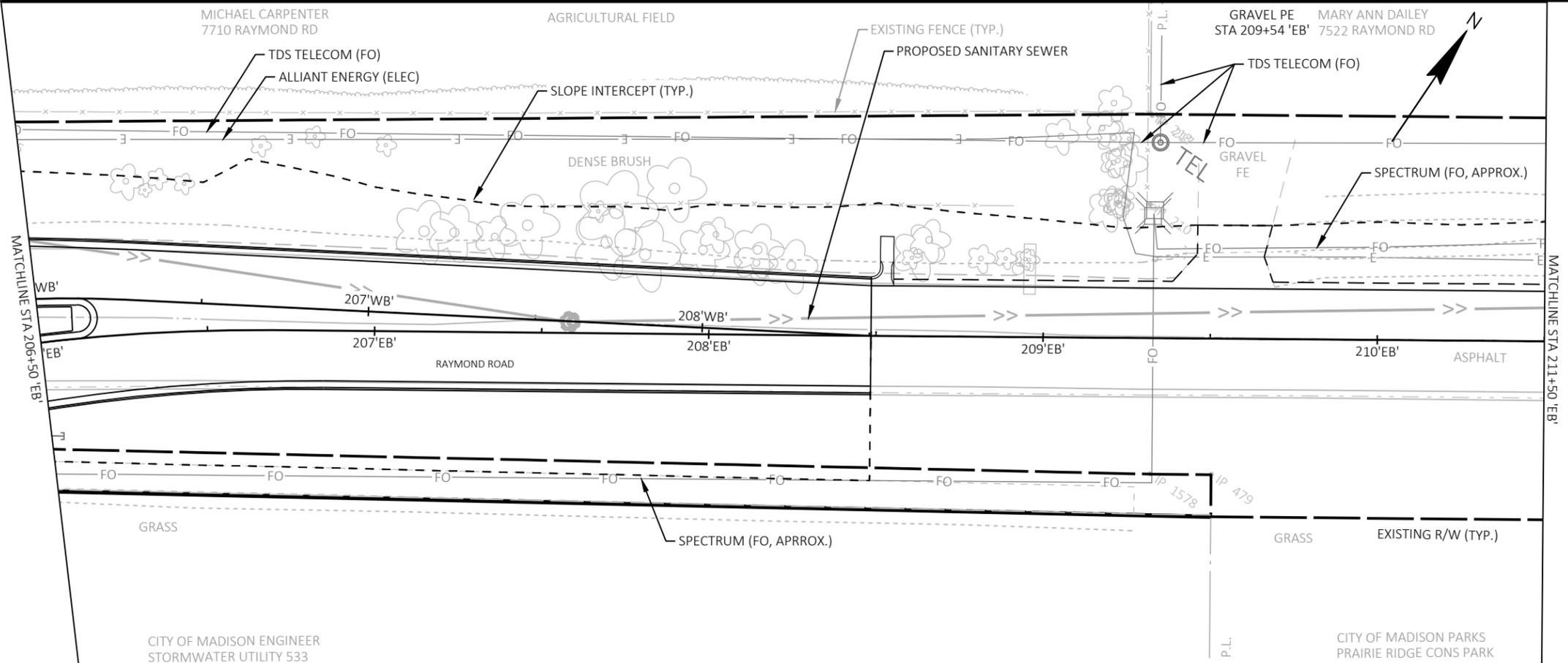


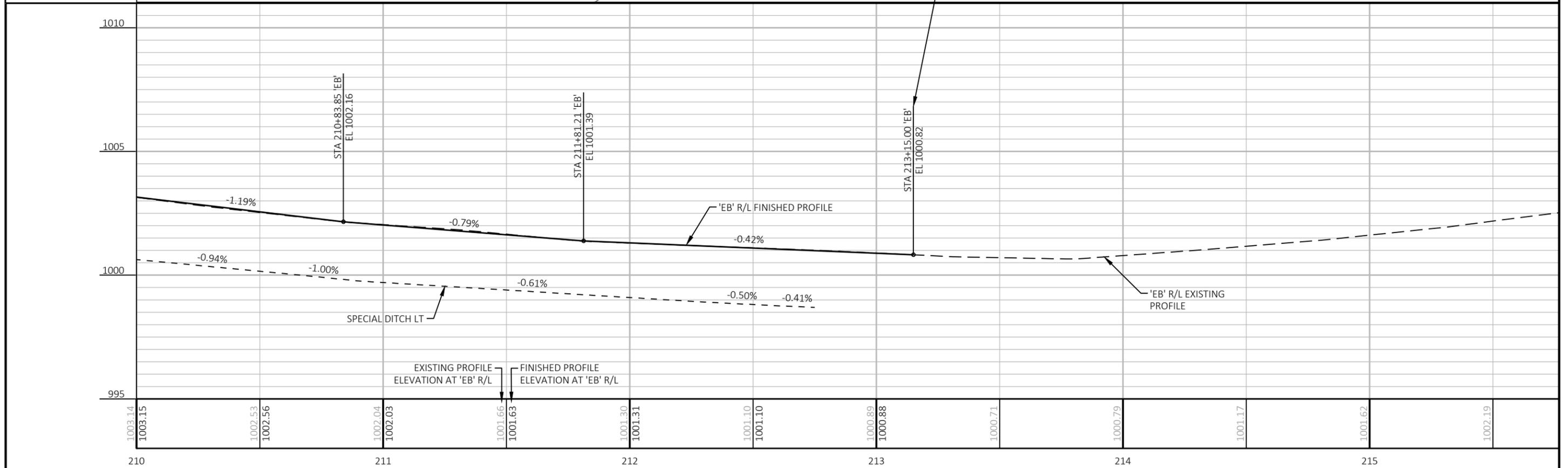
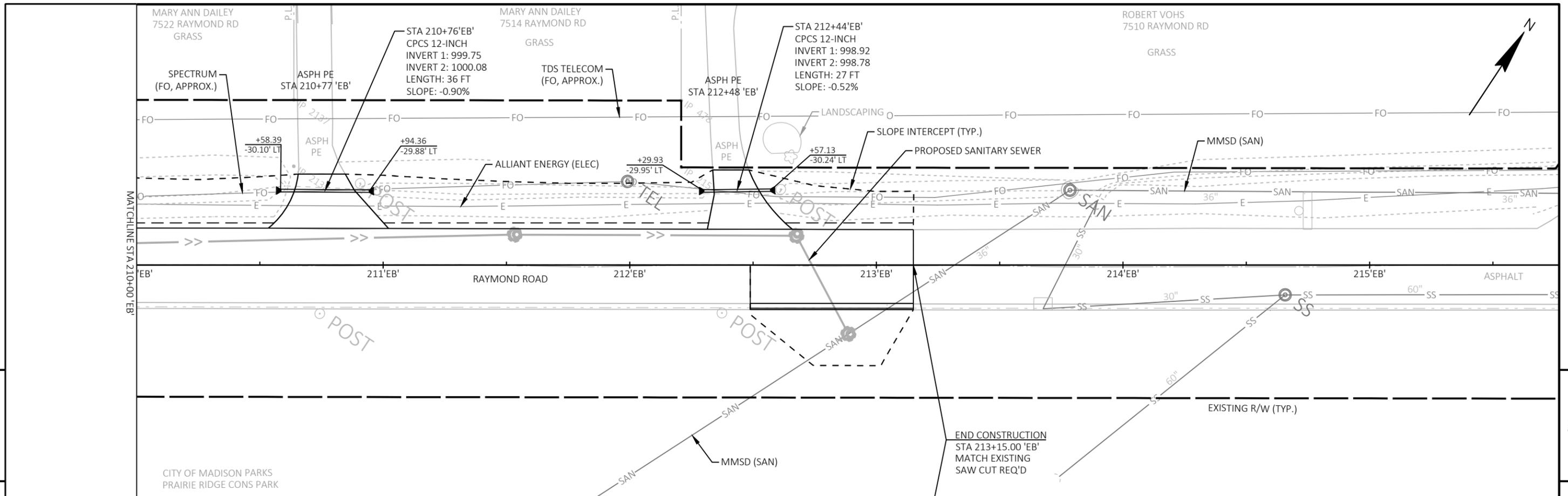
PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: S. HIGH POINT RD SB	SHEET 119 of 175
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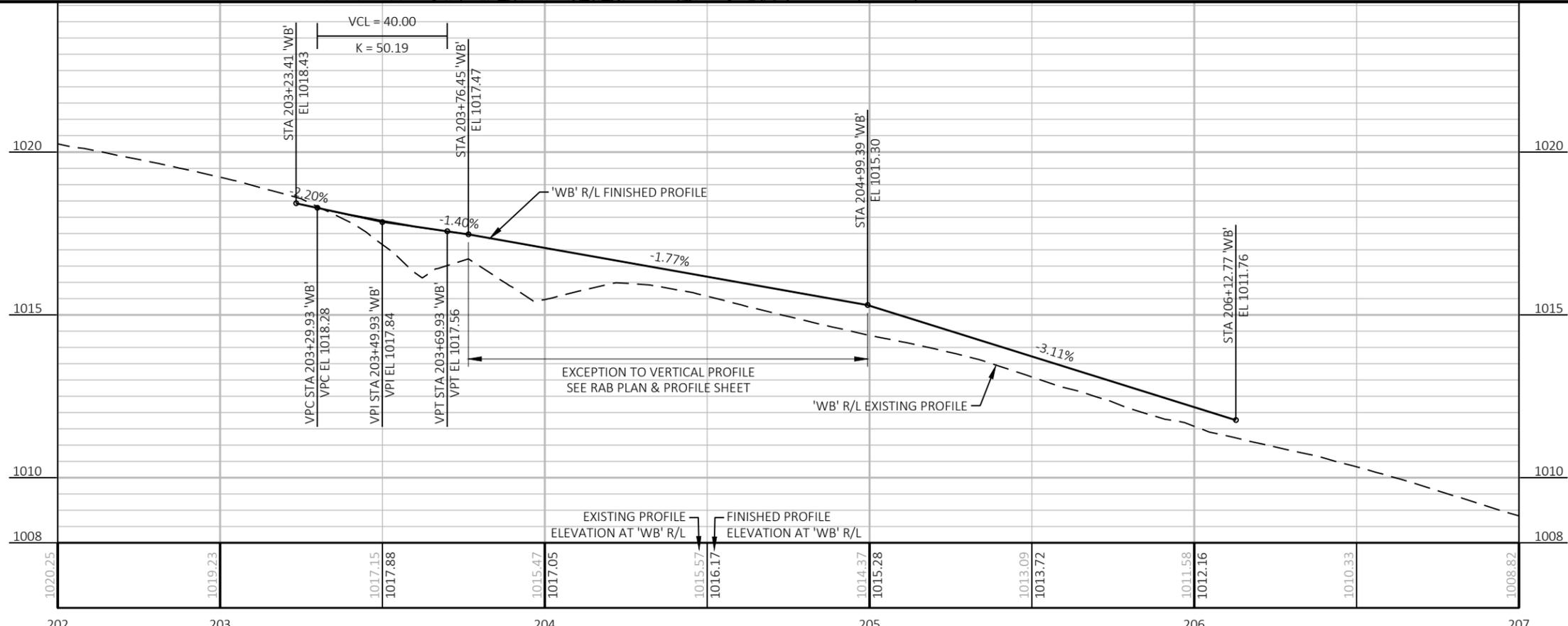
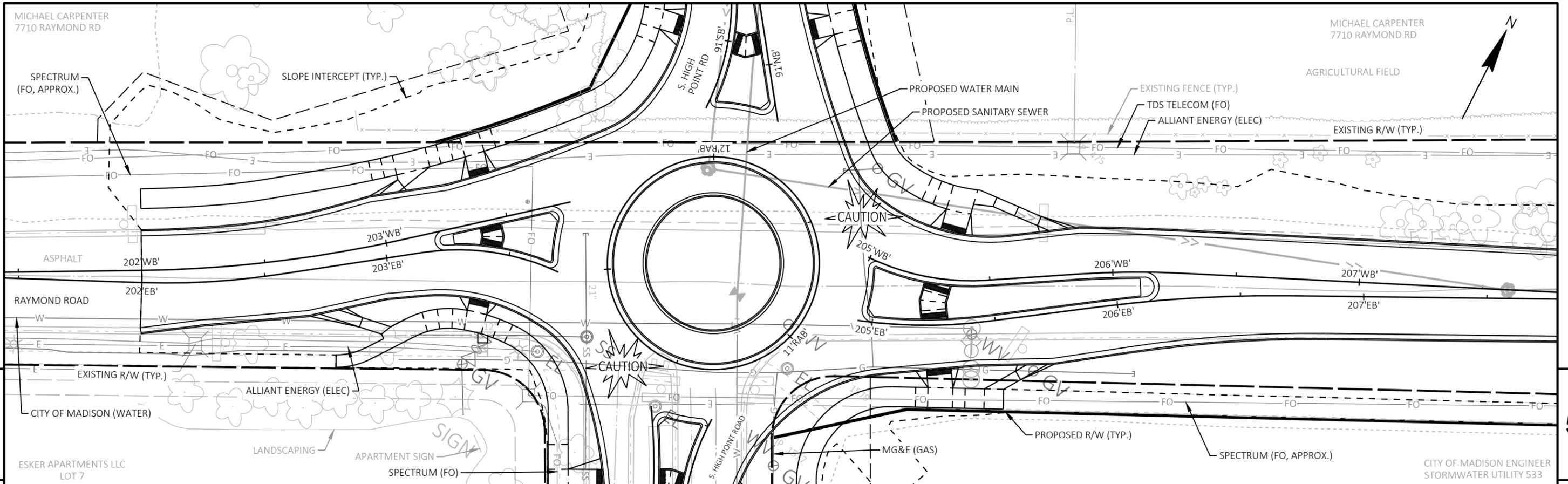
PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: S. HIGH POINT RD	SHEET 120 of 175
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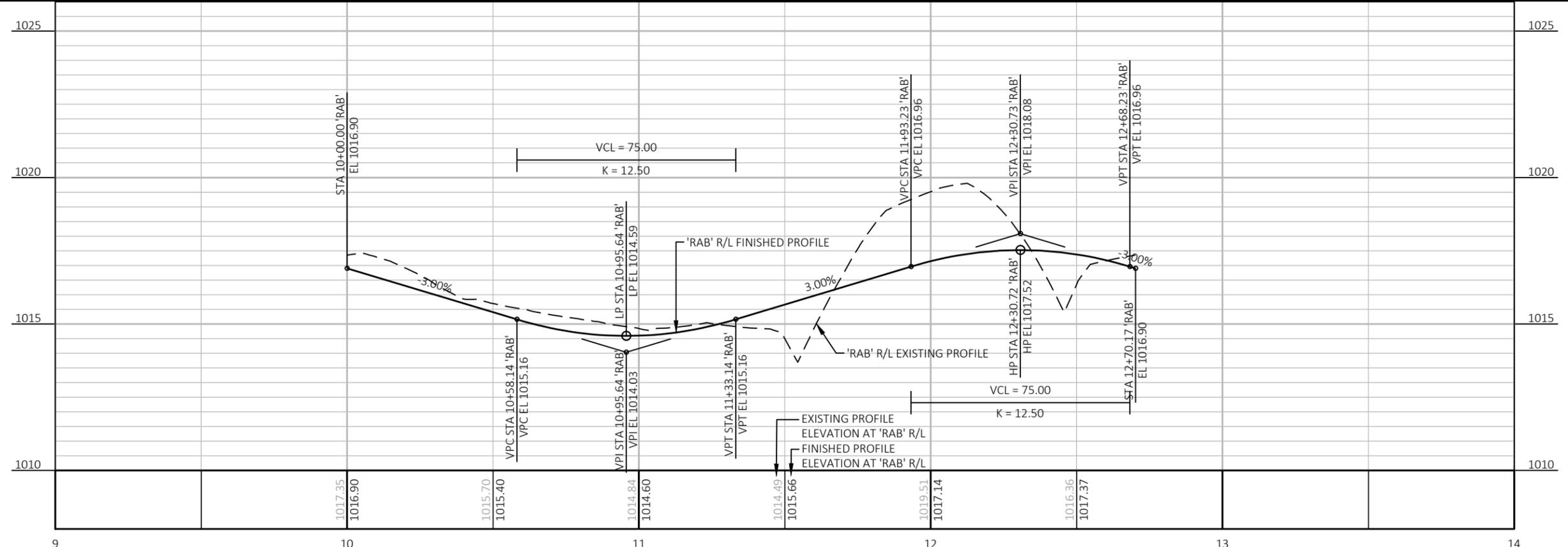
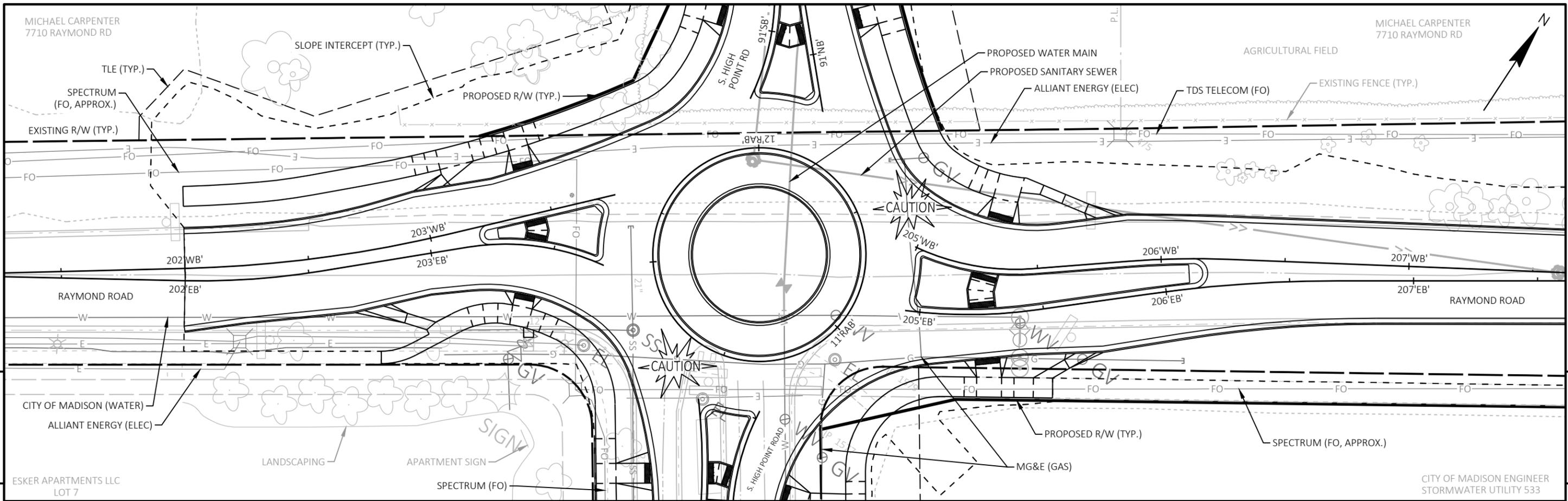


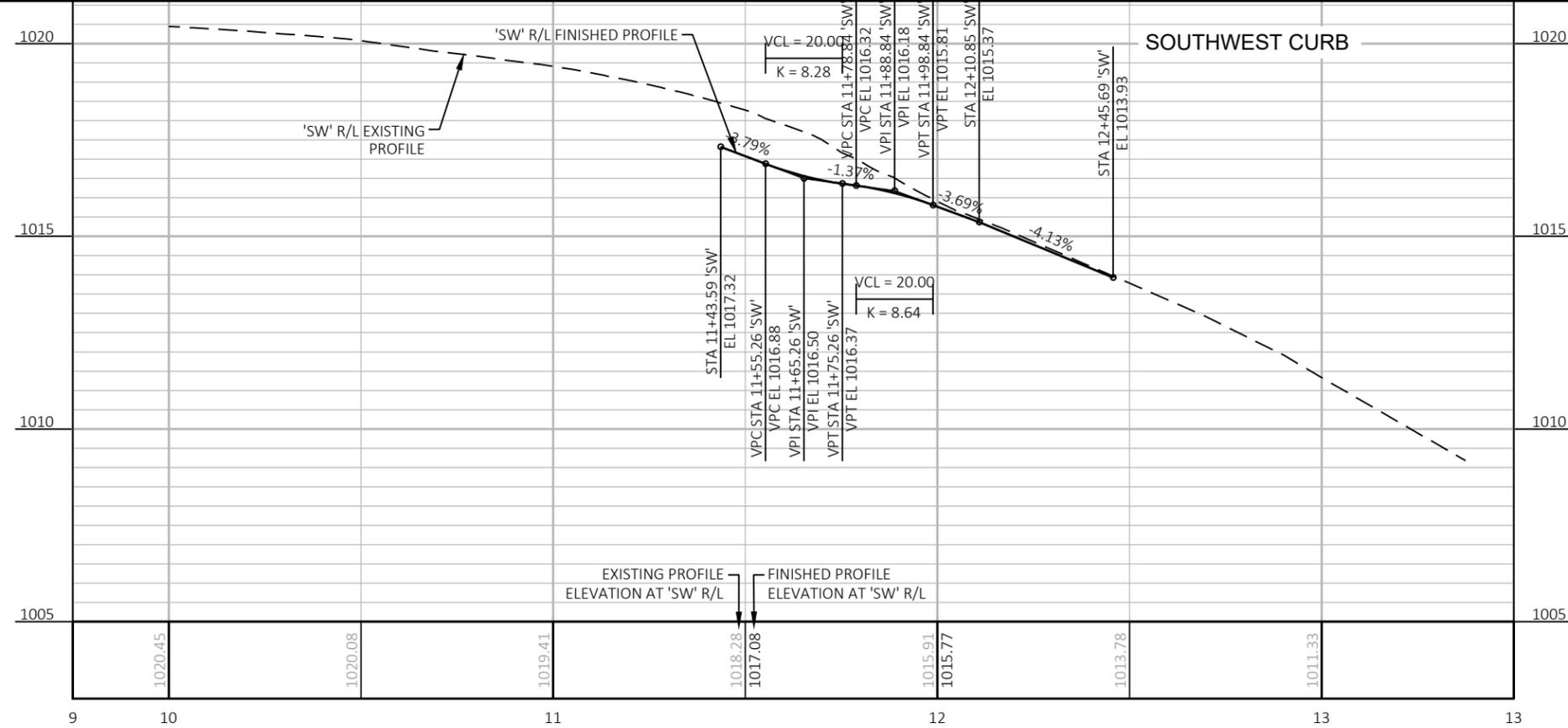
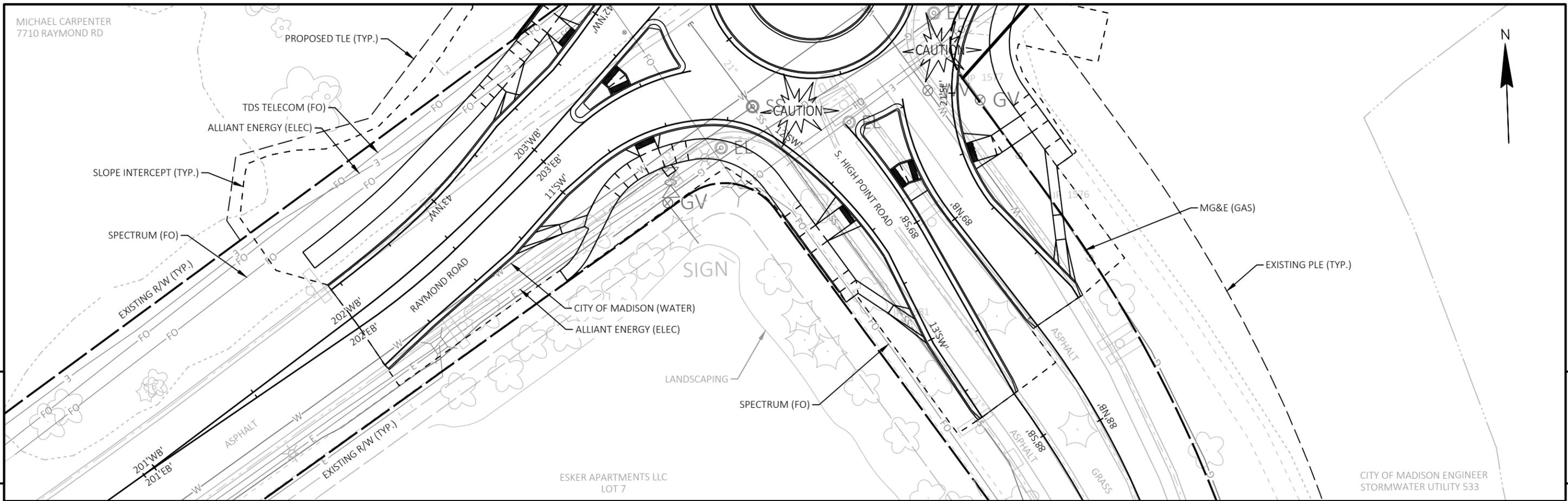


PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: RAYMOND RD EB	SHEET 123 of 175
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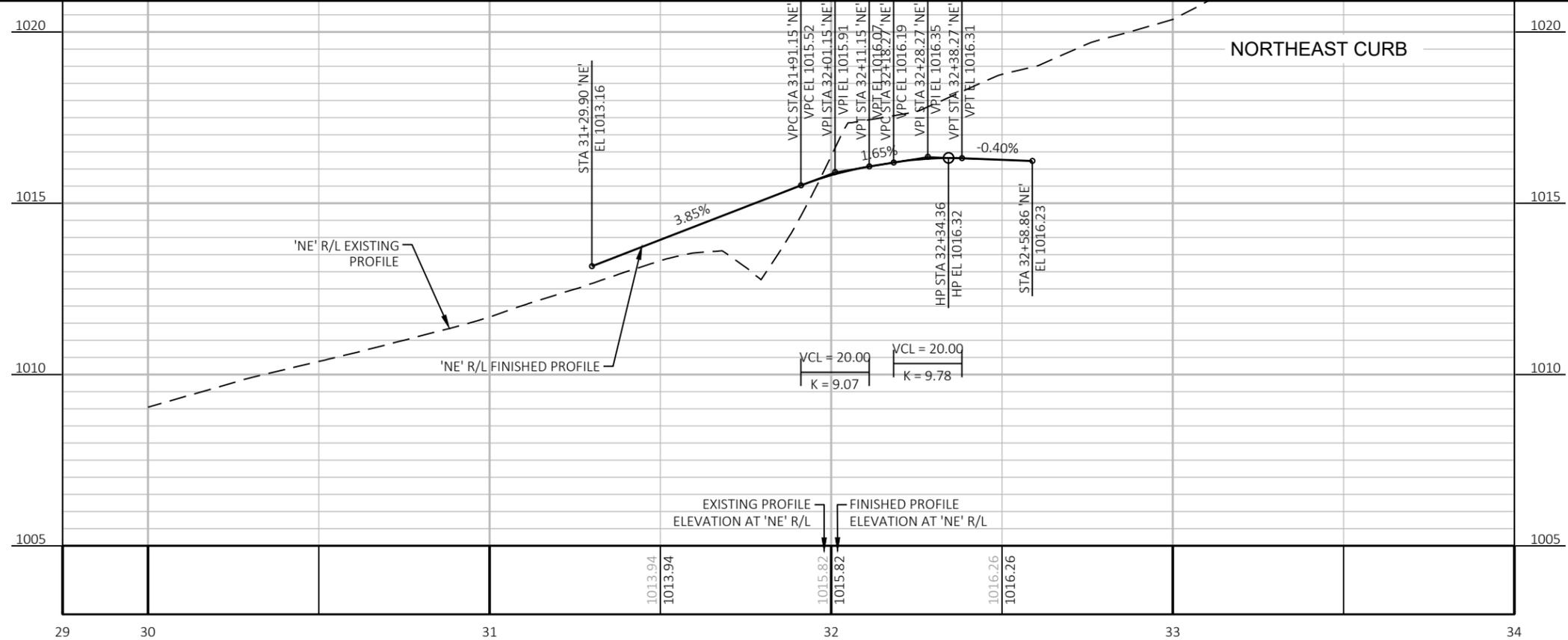
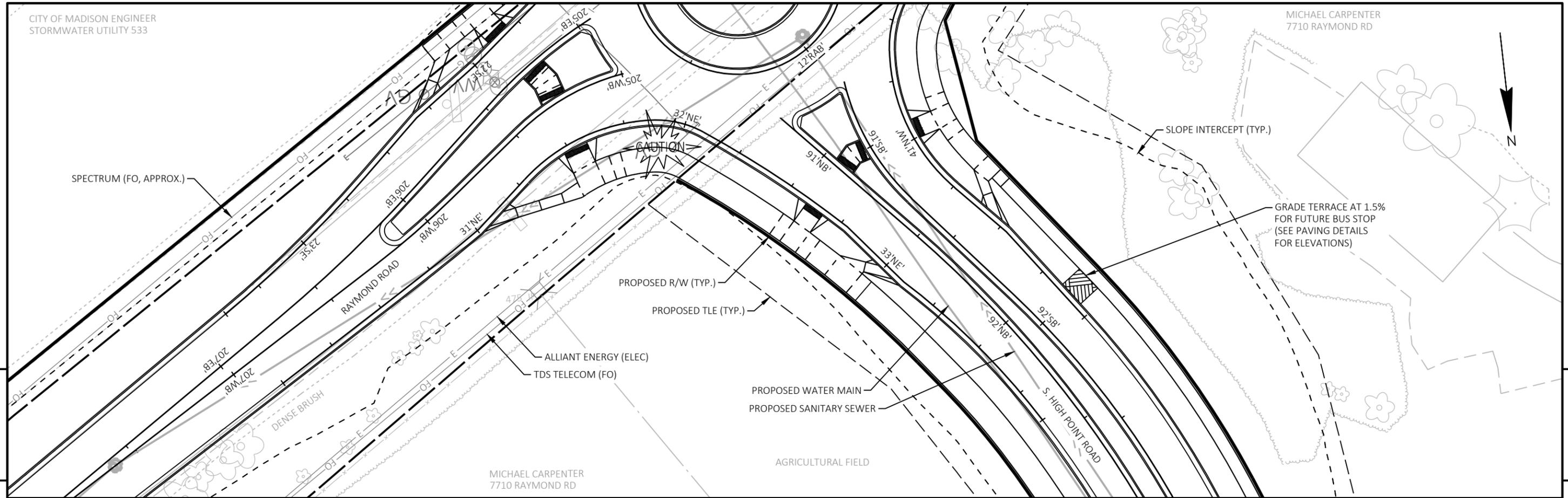
PROJECT NO: 5992-10-74	HWY: S. HIGH POINT ROAD	COUNTY: DANE	PLAN AND PROFILE: RAYMOND RD WB	SHEET 124 of 175
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CITY OF MADISON ENGINEER
STORMWATER UTILITY 533

MICHAEL CARPENTER
7710 RAYMOND RD



PROJECT NO: 5992-10-74

HWY: S. HIGH POINT ROAD

COUNTY: DANE

PLAN AND PROFILE: NORTHEAST CURB

SHEET 128 of 175

E

